New Jersey
ACCUTEST
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09/18/14



Technical Report for

Langan Engineering & Environmental

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

100287501

Accutest Job Number: JB69123

Sampling Dates: 06/11/14 - 06/12/14

Report to:

Langan Engineering & Environmental

ldeckard@langan.com

ATTN: Lindsay Deckard

Total number of pages in report: **2156**

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.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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Sample Summary

Langan Engineering & Environmental

Job No: JB69123

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB69123-1	06/11/14	15:30	CBM	06/12/14	SO	Soil	345-PE-24
JB69123-2	06/11/14	15:35	CBM	06/12/14	SO	Soil	346-PE-25
JB69123-3	06/11/14	00:00	CBM	06/12/14	SO	Soil	347-DUP-5
JB69123-4	06/12/14	08:30	CBM	06/12/14	SO	Soil	348-PE-11
JB69123-5	06/12/14	08:55	CBM	06/12/14	SO	Soil	349-PE-9
JB69123-6	06/12/14	09:00	CBM	06/12/14	SO	Soil	350-PE-10
JB69123-7	06/12/14	09:05	CBM	06/12/14	AQ	Field Blank Soil	351-FB-13
JB69123-8	06/12/14	09:05	CBM	06/12/14	AQ	Trip Blank Soil	352-TB-12

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB69123
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/30/2014 5:16:16 PM

On 06/12/2014, 6 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.2 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB69123 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:** V4V370

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB69115-3MS, JB69115-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** V3C4996

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB69374-1MS, JB69374-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75710

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69115-5MS, JB69115-5MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 3-Nitroaniline, 4-Chloroaniline, bis(2-Chloroisopropyl)ether are outside control limits. Outside of in house control limits, but within reasonable method recovery limits.
- Matrix Spike Duplicate Recovery(s) for 1,1'-Biphenyl are outside of in house control limits.
- JB69123-7: There are several compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- Matrix Spike Duplicate Recovery(s) for 2-Chloronaphthalene, Acenaphthene are outside control limits. Outside of in house control limits, but within reasonable method recovery limits.

Matrix: AQ **Batch ID:** OP75815

- The data for SW846 8270D meets quality control requirements.
- JB69123-7: Confirmation run.

Matrix: SO **Batch ID:** OP75688

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69163-4MS, JB69163-4MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for bis(2-Ethylhexyl)phthalate are outside control limits. Outside of in-house control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for bis(2-Ethylhexyl)phthalate are outside control limits. Outside of in-house control limits due to matrix interference.

Matrix: SO **Batch ID:** OP75724

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69291-4MS, JB69291-4MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 4-Nitrophenol are outside control limits. Outside of in-house control limits.
- Matrix Spike Recovery(s) for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene,Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Recovery(s) for 4-Nitrophenol, Anthracene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for 4-Chloroaniline, Hexachlorocyclopentadiene are outside control limits. Analytical precision exceeds in-house control limits.
- Matrix Spike Duplicate Recovery(s) for 1,4-Dioxane, 4-Nitrophenol, Anthracene, Indeno(1,2,3-cd)pyrene, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP80152

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68948-2FMS, JB68948-2FMSD, JB68948-2FSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Aluminum, Arsenic, Beryllium, Cadmium, Chromium, Lead, Selenium, Vanadium, Zinc are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP80126

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68289-2MS, JB68289-2MSD, JB68289-2SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Calcium, Copper, Lead, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Iron, Manganese are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MS/MSD for Magnesium are outside control limits. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Selenium, Sodium, Thallium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80126-SD1 for Calcium: Serial dilution indicates possible matrix interference.
- MP80126-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP80126-SD1 for Magnesium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP80238

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69115-5MS, JB69115-5MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** MP80223

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69763-14MS, JB69763-14MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN6790

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

Matrix: SO **Batch ID:** GN6873

- 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: JB69123
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69123-1	**345-PE-24**					
Acetone		0.0648	0.033	0.015	mg/kg	SW846 8260C
Carbon disulfide		0.0067 J	0.017	0.00047	mg/kg	SW846 8260C
Cyclohexane		0.0060 J	0.017	0.00085	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.0020 J	0.017	0.00068	mg/kg	SW846 8260C
Ethylbenzene		0.0010 J	0.0033	0.00058	mg/kg	SW846 8260C
Isopropylbenzene		0.0027 J	0.017	0.00049	mg/kg	SW846 8260C
Methylcyclohexane		0.0134 J	0.017	0.00054	mg/kg	SW846 8260C
Toluene		0.0030 J	0.0033	0.00047	mg/kg	SW846 8260C
m,p-Xylene		0.0115	0.0033	0.0016	mg/kg	SW846 8260C
o-Xylene		0.0066	0.0033	0.00059	mg/kg	SW846 8260C
Xylene (total)		0.0181	0.0033	0.00059	mg/kg	SW846 8260C
Aluminum		25100	120	3.3	mg/kg	SW846 6010C
Arsenic		8.6	5.0	0.72	mg/kg	SW846 6010C
Barium		57.9	50	0.20	mg/kg	SW846 6010C
Beryllium		1.2	0.50	0.050	mg/kg	SW846 6010C
Cadmium		0.25 B	1.2	0.12	mg/kg	SW846 6010C
Calcium		3240	1200	7.5	mg/kg	SW846 6010C
Chromium		43.1	2.5	0.17	mg/kg	SW846 6010C
Cobalt		13.2	12	0.15	mg/kg	SW846 6010C
Copper		17.9	6.2	0.37	mg/kg	SW846 6010C
Iron		35300	120	2.4	mg/kg	SW846 6010C
Lead		21.8	5.0	0.52	mg/kg	SW846 6010C
Magnesium		9210	1200	8.4	mg/kg	SW846 6010C
Manganese		395	3.7	0.15	mg/kg	SW846 6010C
Mercury		0.013 B	0.029	0.0066	mg/kg	SW846 7471B
Nickel		38.6	9.9	0.25	mg/kg	SW846 6010C
Potassium		5590	2500	9.9	mg/kg	SW846 6010C
Sodium		2750	2500	4.7	mg/kg	SW846 6010C
Vanadium		59.8	12	0.22	mg/kg	SW846 6010C
Zinc		93.9	5.0	0.94	mg/kg	SW846 6010C
JB69123-2	**346-PE-25**					
Acetone		0.0752	0.024	0.011	mg/kg	SW846 8260C
Carbon disulfide		0.0405	0.012	0.00034	mg/kg	SW846 8260C
Cyclohexane		0.0042 J	0.012	0.00062	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.0053 J	0.012	0.00050	mg/kg	SW846 8260C
Ethylbenzene		0.00087 J	0.0024	0.00042	mg/kg	SW846 8260C
Isopropylbenzene		0.0052 J	0.012	0.00036	mg/kg	SW846 8260C
Methylcyclohexane		0.0146	0.012	0.00040	mg/kg	SW846 8260C
Tetrachloroethene		0.0011 J	0.012	0.00099	mg/kg	SW846 8260C
Toluene		0.0011 J	0.0024	0.00034	mg/kg	SW846 8260C
m,p-Xylene		0.0417	0.0024	0.0012	mg/kg	SW846 8260C

Summary of Hits

Job Number: JB69123
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		0.0205	0.0024	0.00043	mg/kg	SW846 8260C
Xylene (total)		0.0623	0.0024	0.00043	mg/kg	SW846 8260C
bis(2-Ethylhexyl)phthalate		0.0770 J	0.15	0.064	mg/kg	SW846 8270D
Pyrene		0.0327 J	0.073	0.028	mg/kg	SW846 8270D
Aluminum		19100	110	2.8	mg/kg	SW846 6010C
Arsenic		10.1	4.3	0.62	mg/kg	SW846 6010C
Barium		52.4	43	0.17	mg/kg	SW846 6010C
Beryllium		0.88	0.43	0.043	mg/kg	SW846 6010C
Cadmium		0.24 B	1.1	0.11	mg/kg	SW846 6010C
Calcium		2260	1100	6.5	mg/kg	SW846 6010C
Chromium		32.5	2.1	0.15	mg/kg	SW846 6010C
Cobalt		11.5	11	0.13	mg/kg	SW846 6010C
Copper		14.1	5.3	0.32	mg/kg	SW846 6010C
Iron		30800	110	2.1	mg/kg	SW846 6010C
Lead		19.3	4.3	0.45	mg/kg	SW846 6010C
Magnesium		6660	1100	7.2	mg/kg	SW846 6010C
Manganese		384	3.2	0.13	mg/kg	SW846 6010C
Mercury		0.026 B	0.045	0.010	mg/kg	SW846 7471B
Nickel		30.4	8.5	0.21	mg/kg	SW846 6010C
Potassium		4380	2100	8.5	mg/kg	SW846 6010C
Silver		0.36 B	1.1	0.30	mg/kg	SW846 6010C
Sodium		2910	2100	4.0	mg/kg	SW846 6010C
Vanadium		49.0	11	0.19	mg/kg	SW846 6010C
Zinc		70.6	4.3	0.81	mg/kg	SW846 6010C
JB69123-3	**347-DUP-5**					
Acetone		0.0552	0.028	0.013	mg/kg	SW846 8260C
Benzene		0.00062 J	0.0028	0.00036	mg/kg	SW846 8260C
Carbon disulfide		0.0187	0.014	0.00040	mg/kg	SW846 8260C
Cyclohexane		0.0044 J	0.014	0.00073	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.0127 J	0.014	0.00059	mg/kg	SW846 8260C
Ethylbenzene		0.0235	0.0028	0.00050	mg/kg	SW846 8260C
Isopropylbenzene		0.0337	0.014	0.00042	mg/kg	SW846 8260C
Methylcyclohexane		0.0101 J	0.014	0.00047	mg/kg	SW846 8260C
Tetrachloroethene		0.0026 J	0.014	0.0012	mg/kg	SW846 8260C
Toluene		0.0095	0.0028	0.00040	mg/kg	SW846 8260C
m,p-Xylene		0.0848	0.0028	0.0014	mg/kg	SW846 8260C
o-Xylene		0.0398	0.0028	0.00051	mg/kg	SW846 8260C
Xylene (total)		0.125	0.0028	0.00051	mg/kg	SW846 8260C
Anthracene		0.0503 J	0.079	0.028	mg/kg	SW846 8270D
Benzo(a)anthracene		0.159	0.079	0.026	mg/kg	SW846 8270D
Benzo(a)pyrene		0.152	0.079	0.024	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.159	0.079	0.026	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0785 J	0.079	0.029	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69123
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Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(k)fluoranthene		0.0573 J	0.079	0.030	mg/kg	SW846 8270D
Chrysene		0.158	0.079	0.027	mg/kg	SW846 8270D
Fluoranthene		0.252	0.079	0.035	mg/kg	SW846 8270D
Phenanthrene		0.136	0.079	0.036	mg/kg	SW846 8270D
Pyrene		0.273	0.079	0.030	mg/kg	SW846 8270D
Aluminum		26300	130	3.4	mg/kg	SW846 6010C
Arsenic		10.6	5.1	0.74	mg/kg	SW846 6010C
Barium		68.0	51	0.20	mg/kg	SW846 6010C
Beryllium		1.2	0.51	0.051	mg/kg	SW846 6010C
Cadmium		0.33 B	1.3	0.13	mg/kg	SW846 6010C
Calcium		3070	1300	7.7	mg/kg	SW846 6010C
Chromium		45.8	2.5	0.18	mg/kg	SW846 6010C
Cobalt		14.3	13	0.15	mg/kg	SW846 6010C
Copper		20.4	6.4	0.38	mg/kg	SW846 6010C
Iron		39200	130	2.4	mg/kg	SW846 6010C
Lead		29.5	5.1	0.53	mg/kg	SW846 6010C
Magnesium		9300	1300	8.6	mg/kg	SW846 6010C
Manganese		485	3.8	0.15	mg/kg	SW846 6010C
Mercury		0.026 B	0.049	0.011	mg/kg	SW846 7471B
Nickel		40.9	10	0.25	mg/kg	SW846 6010C
Potassium		5790	2500	10	mg/kg	SW846 6010C
Sodium		3380	2500	4.8	mg/kg	SW846 6010C
Vanadium		60.1	13	0.23	mg/kg	SW846 6010C
Zinc		104	5.1	0.97	mg/kg	SW846 6010C
JB69123-4	**348-PE-11**					
Acetone		0.0381	0.023	0.010	mg/kg	SW846 8260C
Benzene		0.00075 J	0.0023	0.00029	mg/kg	SW846 8260C
Carbon disulfide		0.0059 J	0.011	0.00032	mg/kg	SW846 8260C
Cyclohexane		0.0178	0.011	0.00058	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.00069 J	0.011	0.00047	mg/kg	SW846 8260C
Ethylbenzene		0.0028	0.0023	0.00040	mg/kg	SW846 8260C
Isopropylbenzene		0.0037 J	0.011	0.00033	mg/kg	SW846 8260C
Methylcyclohexane		0.0835	0.011	0.00037	mg/kg	SW846 8260C
Toluene		0.0016 J	0.0023	0.00032	mg/kg	SW846 8260C
m,p-Xylene		0.0113	0.0023	0.0011	mg/kg	SW846 8260C
o-Xylene		0.0062	0.0023	0.00040	mg/kg	SW846 8260C
Xylene (total)		0.0174	0.0023	0.00040	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0318 J	0.071	0.023	mg/kg	SW846 8270D
Pyrene		0.0307 J	0.071	0.027	mg/kg	SW846 8270D
Aluminum		24600	100	2.7	mg/kg	SW846 6010C
Arsenic		10.2	4.1	0.59	mg/kg	SW846 6010C
Barium		58.0	41	0.16	mg/kg	SW846 6010C
Beryllium		1.1	0.41	0.041	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69123
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cadmium		0.14 B	1.0	0.10	mg/kg	SW846 6010C
Calcium		3090	1000	6.2	mg/kg	SW846 6010C
Chromium		40.9	2.0	0.14	mg/kg	SW846 6010C
Cobalt		9.9 B	10	0.12	mg/kg	SW846 6010C
Copper		18.7	5.1	0.30	mg/kg	SW846 6010C
Iron		34500	100	1.9	mg/kg	SW846 6010C
Lead		33.5	4.1	0.43	mg/kg	SW846 6010C
Magnesium		7850	1000	6.9	mg/kg	SW846 6010C
Manganese		476	3.0	0.12	mg/kg	SW846 6010C
Mercury		0.057	0.037	0.0084	mg/kg	SW846 7471B
Nickel		31.9	8.1	0.20	mg/kg	SW846 6010C
Potassium		5120	2000	8.1	mg/kg	SW846 6010C
Sodium		1440 B	2000	3.8	mg/kg	SW846 6010C
Vanadium		50.3	10	0.18	mg/kg	SW846 6010C
Zinc		83.8	4.1	0.77	mg/kg	SW846 6010C
JB69123-5	**349-PE-9**					
Acetone		0.0699	0.020	0.0091	mg/kg	SW846 8260C
Carbon disulfide		0.0060 J	0.010	0.00028	mg/kg	SW846 8260C
Cyclohexane		0.0146	0.010	0.00051	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.0012 J	0.010	0.00041	mg/kg	SW846 8260C
Ethylbenzene		0.0050	0.0020	0.00035	mg/kg	SW846 8260C
Isopropylbenzene		0.0039 J	0.010	0.00029	mg/kg	SW846 8260C
Methylcyclohexane		0.174	0.010	0.00033	mg/kg	SW846 8260C
Tetrachloroethene		0.0023 J	0.010	0.00082	mg/kg	SW846 8260C
Toluene		0.0020	0.0020	0.00028	mg/kg	SW846 8260C
m,p-Xylene		0.0186	0.0020	0.00097	mg/kg	SW846 8260C
o-Xylene		0.0106	0.0020	0.00036	mg/kg	SW846 8260C
Xylene (total)		0.0292	0.0020	0.00036	mg/kg	SW846 8260C
Aluminum		21000	91	2.4	mg/kg	SW846 6010C
Arsenic		9.5	3.6	0.53	mg/kg	SW846 6010C
Barium		62.8	36	0.15	mg/kg	SW846 6010C
Beryllium		0.97	0.36	0.036	mg/kg	SW846 6010C
Cadmium		0.33 B	0.91	0.091	mg/kg	SW846 6010C
Calcium		8420	910	5.5	mg/kg	SW846 6010C
Chromium		37.0	1.8	0.13	mg/kg	SW846 6010C
Cobalt		11.7	9.1	0.11	mg/kg	SW846 6010C
Copper		23.2	4.6	0.27	mg/kg	SW846 6010C
Iron		33200	91	1.8	mg/kg	SW846 6010C
Lead		42.5	3.6	0.38	mg/kg	SW846 6010C
Magnesium		6940	910	6.2	mg/kg	SW846 6010C
Manganese		407	2.7	0.11	mg/kg	SW846 6010C
Mercury		0.053	0.046	0.010	mg/kg	SW846 7471B
Nickel		35.5	7.3	0.18	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69123
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Potassium		4220	1800	7.3	mg/kg	SW846 6010C
Sodium		901 B	1800	3.4	mg/kg	SW846 6010C
Vanadium		41.0	9.1	0.16	mg/kg	SW846 6010C
Zinc		88.0	3.6	0.69	mg/kg	SW846 6010C
JB69123-6	**350-PE-10**					
Acetone		0.0523	0.035	0.016	mg/kg	SW846 8260C
Carbon disulfide		0.0340	0.017	0.00049	mg/kg	SW846 8260C
Cyclohexane		0.0075 J	0.017	0.00090	mg/kg	SW846 8260C
cis-1,2-Dichloroethene		0.0020 J	0.017	0.00072	mg/kg	SW846 8260C
Ethylbenzene		0.0016 J	0.0035	0.00061	mg/kg	SW846 8260C
Isopropylbenzene		0.0016 J	0.017	0.00051	mg/kg	SW846 8260C
Methylcyclohexane		0.0191	0.017	0.00057	mg/kg	SW846 8260C
Toluene		0.0054	0.0035	0.00050	mg/kg	SW846 8260C
m,p-Xylene		0.0065	0.0035	0.0017	mg/kg	SW846 8260C
o-Xylene		0.0034 J	0.0035	0.00062	mg/kg	SW846 8260C
Xylene (total)		0.0099	0.0035	0.00062	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0499 J	0.084	0.027	mg/kg	SW846 8270D
Chrysene		0.0445 J	0.084	0.028	mg/kg	SW846 8270D
Fluoranthene		0.0454 J	0.084	0.037	mg/kg	SW846 8270D
Phenanthrene		0.0775 J	0.084	0.038	mg/kg	SW846 8270D
Pyrene		0.0680 J	0.084	0.032	mg/kg	SW846 8270D
Aluminum		23200	130	3.6	mg/kg	SW846 6010C
Arsenic		8.4	5.4	0.78	mg/kg	SW846 6010C
Barium		55.6	54	0.22	mg/kg	SW846 6010C
Beryllium		0.86	0.54	0.054	mg/kg	SW846 6010C
Cadmium		0.35 B	1.3	0.13	mg/kg	SW846 6010C
Calcium		4070	1300	8.2	mg/kg	SW846 6010C
Chromium		36.5	2.7	0.19	mg/kg	SW846 6010C
Cobalt		10.5 B	13	0.16	mg/kg	SW846 6010C
Copper		14.8	6.7	0.40	mg/kg	SW846 6010C
Iron		30900	130	2.6	mg/kg	SW846 6010C
Lead		25.3	5.4	0.57	mg/kg	SW846 6010C
Magnesium		6410	1300	9.1	mg/kg	SW846 6010C
Manganese		252	4.0	0.16	mg/kg	SW846 6010C
Mercury		0.026 B	0.052	0.012	mg/kg	SW846 7471B
Nickel		33.6	11	0.27	mg/kg	SW846 6010C
Potassium		4750	2700	11	mg/kg	SW846 6010C
Selenium		1.3 B	5.4	0.89	mg/kg	SW846 6010C
Sodium		2720	2700	5.1	mg/kg	SW846 6010C
Vanadium		64.4	13	0.24	mg/kg	SW846 6010C
Zinc		68.4	5.4	1.0	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB69123
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/11/14 thru 06/12/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69123-7	**351-FB-13**					
Calcium		25.0 B	5000	19	ug/l	SW846 6010C
JB69123-8	**352-TB-12**					
No hits reported in this sample.						

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	345-PE-24		
Lab Sample ID:	JB69123-1	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	38.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110944.D	1	06/22/14	PS	n/a	n/a	V3C4996
Run #2							

	Initial Weight
Run #1	3.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0648	0.033	0.015	mg/kg	
71-43-2	Benzene	ND	0.0033	0.00042	mg/kg	
74-97-5	Bromochloromethane	ND	0.017	0.0017	mg/kg	
75-27-4	Bromodichloromethane	ND	0.017	0.00093	mg/kg	
75-25-2	Bromoform	ND	0.017	0.00087	mg/kg	
74-83-9	Bromomethane	ND	0.017	0.0016	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.033	0.015	mg/kg	
75-15-0	Carbon disulfide	0.0067	0.017	0.00047	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.017	0.00083	mg/kg	
108-90-7	Chlorobenzene	ND	0.017	0.00065	mg/kg	
75-00-3	Chloroethane	ND	0.017	0.0033	mg/kg	
67-66-3	Chloroform	ND	0.017	0.00084	mg/kg	
74-87-3	Chloromethane	ND	0.017	0.0011	mg/kg	
110-82-7	Cyclohexane	0.0060	0.017	0.00085	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.033	0.0044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.017	0.00080	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0033	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.017	0.0011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.017	0.00072	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.017	0.00083	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.017	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.017	0.0010	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0033	0.0011	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.017	0.00095	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.0020	0.017	0.00068	mg/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	0.017	0.0014	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.017	0.0014	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.017	0.00075	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.017	0.00089	mg/kg	
100-41-4	Ethylbenzene	0.0010	0.0033	0.00058	mg/kg	J
76-13-1	Freon 113	ND	0.017	0.0014	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0059	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:	345-PE-24		
Lab Sample ID:	JB69123-1	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	38.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0027	0.017	0.00049	mg/kg	J
79-20-9	Methyl Acetate	ND	0.017	0.0055	mg/kg	
108-87-2	Methylcyclohexane	0.0134	0.017	0.00054	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0033	0.0011	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.017	0.0044	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.0056	mg/kg	
100-42-5	Styrene	ND	0.017	0.00077	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.017	0.0011	mg/kg	
127-18-4	Tetrachloroethene	ND	0.017	0.0014	mg/kg	
108-88-3	Toluene	0.0030	0.0033	0.00047	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.017	0.00068	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.017	0.00060	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.017	0.00095	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.017	0.0027	mg/kg	
79-01-6	Trichloroethene	ND	0.017	0.0012	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.017	0.00074	mg/kg	
75-01-4	Vinyl chloride	ND	0.017	0.0011	mg/kg	
	m,p-Xylene	0.0115	0.0033	0.0016	mg/kg	
95-47-6	o-Xylene	0.0066	0.0033	0.00059	mg/kg	
1330-20-7	Xylene (total)	0.0181	0.0033	0.00059	mg/kg	

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

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

Accutest LabLink@815166 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	345-PE-24		
Lab Sample ID:	JB69123-1	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	38.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32845.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
Run #2							

	Initial Weight	Final Volume
Run #1	33.4 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	0.077	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.39	0.077	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.39	0.12	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.39	0.13	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.5	0.094	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.5	0.094	mg/kg	
95-48-7	2-Methylphenol	ND	0.15	0.088	mg/kg	
	3&4-Methylphenol	ND	0.15	0.098	mg/kg	
88-75-5	2-Nitrophenol	ND	0.39	0.082	mg/kg	
100-02-7	4-Nitrophenol	ND	0.77	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.77	0.13	mg/kg	
108-95-2	Phenol	ND	0.15	0.081	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.39	0.079	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.39	0.090	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.39	0.073	mg/kg	
83-32-9	Acenaphthene	ND	0.077	0.022	mg/kg	
208-96-8	Acenaphthylene	ND	0.077	0.025	mg/kg	
98-86-2	Acetophenone	ND	0.39	0.014	mg/kg	
120-12-7	Anthracene	ND	0.077	0.027	mg/kg	
1912-24-9	Atrazine	ND	0.15	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.077	0.025	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.077	0.024	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.077	0.026	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.077	0.029	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.077	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	0.045	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.15	0.0090	mg/kg	
100-52-7	Benzaldehyde	ND	0.39	0.018	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.15	0.024	mg/kg	
106-47-8	4-Chloroaniline	ND	0.39	0.025	mg/kg	
86-74-8	Carbazole	ND	0.15	0.036	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:	345-PE-24		
Lab Sample ID:	JB69123-1	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	38.8
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	0.15	0.024	mg/kg	
218-01-9	Chrysene	ND	0.077	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	0.077	0.034	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.077	0.029	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.15	0.020	mg/kg	
123-91-1	1,4-Dioxane	ND	0.077	0.050	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.077	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	0.038	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	0.068	mg/kg	
206-44-0	Fluoranthene	ND	0.077	0.034	mg/kg	
86-73-7	Fluorene	ND	0.077	0.025	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.15	0.025	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.077	0.021	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.77	0.079	mg/kg	
67-72-1	Hexachloroethane	ND	0.39	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.077	0.027	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	0.39	0.034	mg/kg	
99-09-2	3-Nitroaniline	ND	0.39	0.031	mg/kg	
100-01-6	4-Nitroaniline	ND	0.39	0.030	mg/kg	
91-20-3	Naphthalene	ND	0.077	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	0.39	0.046	mg/kg	
85-01-8	Phenanthrene	ND	0.077	0.035	mg/kg	
129-00-0	Pyrene	ND	0.077	0.030	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.39	0.024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		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:	345-PE-24		
Lab Sample ID:	JB69123-1	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	38.8
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	61%		15-110%
118-79-6	2,4,6-Tribromophenol	74%		20-123%
4165-60-0	Nitrobenzene-d5	73%		10-110%
321-60-8	2-Fluorobiphenyl	72%		17-110%
1718-51-0	Terphenyl-d14	84%		30-124%

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

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

Report of Analysis

Client Sample ID: 345-PE-24
Lab Sample ID: JB69123-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/11/14
Date Received: 06/12/14
Percent Solids: 38.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	25100	120	3.3	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.67 U	5.0	0.67	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	8.6	5.0	0.72	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	57.9	50	0.20	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.2	0.50	0.050	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.25 B	1.2	0.12	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	3240	1200	7.5	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	43.1	2.5	0.17	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	13.2	12	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	17.9	6.2	0.37	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	35300	120	2.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	21.8	5.0	0.52	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	9210	1200	8.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	395	3.7	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.013 B	0.029	0.0066	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	38.6	9.9	0.25	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	5590	2500	9.9	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.82 U	5.0	0.82	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.35 U	1.2	0.35	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	2750	2500	4.7	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.0 U	2.5	1.0	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	59.8	12	0.22	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	93.9	5.0	0.94	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	45.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110945.D	1	06/22/14	PS	n/a	n/a	V3C4996
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0752	0.024	0.011	mg/kg	
71-43-2	Benzene	ND	0.0024	0.00030	mg/kg	
74-97-5	Bromochloromethane	ND	0.012	0.0013	mg/kg	
75-27-4	Bromodichloromethane	ND	0.012	0.00068	mg/kg	
75-25-2	Bromoform	ND	0.012	0.00063	mg/kg	
74-83-9	Bromomethane	ND	0.012	0.0012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.024	0.011	mg/kg	
75-15-0	Carbon disulfide	0.0405	0.012	0.00034	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.012	0.00061	mg/kg	
108-90-7	Chlorobenzene	ND	0.012	0.00048	mg/kg	
75-00-3	Chloroethane	ND	0.012	0.0024	mg/kg	
67-66-3	Chloroform	ND	0.012	0.00061	mg/kg	
74-87-3	Chloromethane	ND	0.012	0.00083	mg/kg	
110-82-7	Cyclohexane	0.0042	0.012	0.00062	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.024	0.0032	mg/kg	
124-48-1	Dibromochloromethane	ND	0.012	0.00058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0024	0.0013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.012	0.00082	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.012	0.00053	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.012	0.00061	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.012	0.00085	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.012	0.00076	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0024	0.00078	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.012	0.00069	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.0053	0.012	0.00050	mg/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	0.012	0.0010	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.012	0.0011	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.012	0.00055	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.012	0.00065	mg/kg	
100-41-4	Ethylbenzene	0.00087	0.0024	0.00042	mg/kg	J
76-13-1	Freon 113	ND	0.012	0.0011	mg/kg	
591-78-6	2-Hexanone	ND	0.012	0.0043	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:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	45.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0052	0.012	0.00036	mg/kg	J
79-20-9	Methyl Acetate	ND	0.012	0.0040	mg/kg	
108-87-2	Methylcyclohexane	0.0146	0.012	0.00040	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0024	0.00083	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.012	0.0032	mg/kg	
75-09-2	Methylene chloride	ND	0.012	0.0041	mg/kg	
100-42-5	Styrene	ND	0.012	0.00056	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.012	0.00083	mg/kg	
127-18-4	Tetrachloroethene	0.0011	0.012	0.00099	mg/kg	J
108-88-3	Toluene	0.0011	0.0024	0.00034	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.012	0.00050	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.012	0.00044	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.012	0.00069	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.012	0.0020	mg/kg	
79-01-6	Trichloroethene	ND	0.012	0.00085	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.012	0.00054	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	0.00083	mg/kg	
	m,p-Xylene	0.0417	0.0024	0.0012	mg/kg	
95-47-6	o-Xylene	0.0205	0.0024	0.00043	mg/kg	
1330-20-7	Xylene (total)	0.0623	0.0024	0.00043	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		59-130%
17060-07-0	1,2-Dichloroethane-D4	118%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	130%		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 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	45.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32846.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 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	0.15	0.073	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.36	0.073	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	1.5	0.089	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.5	0.089	mg/kg	
95-48-7	2-Methylphenol	ND	0.15	0.083	mg/kg	
	3&4-Methylphenol	ND	0.15	0.092	mg/kg	
88-75-5	2-Nitrophenol	ND	0.36	0.077	mg/kg	
100-02-7	4-Nitrophenol	ND	0.73	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.73	0.12	mg/kg	
108-95-2	Phenol	ND	0.15	0.076	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.36	0.075	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.36	0.084	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.36	0.068	mg/kg	
83-32-9	Acenaphthene	ND	0.073	0.021	mg/kg	
208-96-8	Acenaphthylene	ND	0.073	0.023	mg/kg	
98-86-2	Acetophenone	ND	0.36	0.013	mg/kg	
120-12-7	Anthracene	ND	0.073	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.15	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.073	0.024	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.073	0.022	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.073	0.024	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.073	0.027	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.073	0.027	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.15	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.15	0.042	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.15	0.0084	mg/kg	
100-52-7	Benzaldehyde	ND	0.36	0.017	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.15	0.023	mg/kg	
106-47-8	4-Chloroaniline	ND	0.36	0.023	mg/kg	
86-74-8	Carbazole	ND	0.15	0.034	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:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	45.0
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	0.023	mg/kg	
218-01-9	Chrysene	ND	0.073	0.025	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.15	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.15	0.022	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.15	0.022	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.15	0.022	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.073	0.032	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.073	0.028	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.15	0.018	mg/kg	
123-91-1	1,4-Dioxane	ND	0.073	0.047	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.073	0.025	mg/kg	
132-64-9	Dibenzofuran	ND	0.15	0.022	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.15	0.016	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.15	0.035	mg/kg	
84-66-2	Diethyl phthalate	ND	0.15	0.025	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.15	0.026	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0770	0.15	0.064	mg/kg	J
206-44-0	Fluoranthene	ND	0.073	0.032	mg/kg	
86-73-7	Fluorene	ND	0.073	0.024	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.15	0.024	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.073	0.020	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.73	0.074	mg/kg	
67-72-1	Hexachloroethane	ND	0.36	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.073	0.025	mg/kg	
78-59-1	Isophorone	ND	0.15	0.020	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.15	0.041	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	0.073	0.020	mg/kg	
98-95-3	Nitrobenzene	ND	0.15	0.021	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.15	0.018	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.36	0.043	mg/kg	
85-01-8	Phenanthrene	ND	0.073	0.033	mg/kg	
129-00-0	Pyrene	0.0327	0.073	0.028	mg/kg	J
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	65%		13-110%

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

Report of Analysis

Client Sample ID:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	45.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	67%		15-110%
118-79-6	2,4,6-Tribromophenol	86%		20-123%
4165-60-0	Nitrobenzene-d5	78%		10-110%
321-60-8	2-Fluorobiphenyl	78%		17-110%
1718-51-0	Terphenyl-d14	89%		30-124%

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

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

Report of Analysis

Client Sample ID:	346-PE-25		
Lab Sample ID:	JB69123-2	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
		Percent Solids:	45.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	19100	110	2.8	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.58 U	4.3	0.58	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	10.1	4.3	0.62	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	52.4	43	0.17	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.88	0.43	0.043	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.24 B	1.1	0.11	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	2260	1100	6.5	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	32.5	2.1	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	11.5	11	0.13	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	14.1	5.3	0.32	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	30800	110	2.1	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	19.3	4.3	0.45	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6660	1100	7.2	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	384	3.2	0.13	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.026 B	0.045	0.010	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	30.4	8.5	0.21	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	4380	2100	8.5	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.71 U	4.3	0.71	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.36 B	1.1	0.30	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	2910	2100	4.0	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.88 U	2.1	0.88	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	49.0	11	0.19	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	70.6	4.3	0.81	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

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Report of Analysis

Client Sample ID:	347-DUP-5		
Lab Sample ID:	JB69123-3	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	40.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110946.D	1	06/22/14	PS	n/a	n/a	V3C4996
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	0.0552	0.028	0.013	mg/kg	
71-43-2	Benzene	0.00062	0.0028	0.00036	mg/kg	J
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	0.013	mg/kg	
75-15-0	Carbon disulfide	0.0187	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	0.00098	mg/kg	
110-82-7	Cyclohexane	0.0044	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	0.00082	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.0127	0.014	0.00059	mg/kg	J
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	0.00065	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.014	0.00077	mg/kg	
100-41-4	Ethylbenzene	0.0235	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	0.0051	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:	347-DUP-5		
Lab Sample ID:	JB69123-3	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	40.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0337	0.014	0.00042	mg/kg	
79-20-9	Methyl Acetate	ND	0.014	0.0047	mg/kg	
108-87-2	Methylcyclohexane	0.0101	0.014	0.00047	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0028	0.00098	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.014	0.0038	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	0.0026	0.014	0.0012	mg/kg	J
108-88-3	Toluene	0.0095	0.0028	0.00040	mg/kg	
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	0.00082	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.014	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.014	0.0010	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	0.0848	0.0028	0.0014	mg/kg	
95-47-6	o-Xylene	0.0398	0.0028	0.00051	mg/kg	
1330-20-7	Xylene (total)	0.125	0.0028	0.00051	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		59-130%
17060-07-0	1,2-Dichloroethane-D4	111%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	121%		71-132%

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

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

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Report of Analysis

Client Sample ID:	347-DUP-5		
Lab Sample ID:	JB69123-3	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32847.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.16	0.079	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.40	0.079	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.40	0.13	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.40	0.13	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.6	0.097	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.6	0.097	mg/kg	
95-48-7	2-Methylphenol	ND	0.16	0.090	mg/kg	
	3&4-Methylphenol	ND	0.16	0.10	mg/kg	
88-75-5	2-Nitrophenol	ND	0.40	0.084	mg/kg	
100-02-7	4-Nitrophenol	ND	0.79	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.79	0.14	mg/kg	
108-95-2	Phenol	ND	0.16	0.083	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.40	0.081	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.40	0.092	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.40	0.074	mg/kg	
83-32-9	Acenaphthene	ND	0.079	0.023	mg/kg	
208-96-8	Acenaphthylene	ND	0.079	0.025	mg/kg	
98-86-2	Acetophenone	ND	0.40	0.014	mg/kg	
120-12-7	Anthracene	0.0503	0.079	0.028	mg/kg	J
1912-24-9	Atrazine	ND	0.16	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.159	0.079	0.026	mg/kg	
50-32-8	Benzo(a)pyrene	0.152	0.079	0.024	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.159	0.079	0.026	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0785	0.079	0.029	mg/kg	J
207-08-9	Benzo(k)fluoranthene	0.0573	0.079	0.030	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.16	0.029	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.16	0.046	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.16	0.0092	mg/kg	
100-52-7	Benzaldehyde	ND	0.40	0.018	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.16	0.025	mg/kg	
106-47-8	4-Chloroaniline	ND	0.40	0.025	mg/kg	
86-74-8	Carbazole	ND	0.16	0.037	mg/kg	

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

Report of Analysis

Client Sample ID:	347-DUP-5		
Lab Sample ID:	JB69123-3	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.9
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	0.16	0.025	mg/kg	
218-01-9	Chrysene	0.158	0.079	0.027	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.16	0.032	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.16	0.024	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.16	0.024	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.16	0.024	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.079	0.035	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.079	0.030	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.16	0.020	mg/kg	
123-91-1	1,4-Dioxane	ND	0.079	0.051	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.079	0.027	mg/kg	
132-64-9	Dibenzofuran	ND	0.16	0.024	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.16	0.018	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.16	0.039	mg/kg	
84-66-2	Diethyl phthalate	ND	0.16	0.027	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.16	0.028	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.16	0.070	mg/kg	
206-44-0	Fluoranthene	0.252	0.079	0.035	mg/kg	
86-73-7	Fluorene	ND	0.079	0.026	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.16	0.026	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.079	0.022	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.79	0.081	mg/kg	
67-72-1	Hexachloroethane	ND	0.40	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.079	0.027	mg/kg	
78-59-1	Isophorone	ND	0.16	0.021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.16	0.044	mg/kg	
88-74-4	2-Nitroaniline	ND	0.40	0.035	mg/kg	
99-09-2	3-Nitroaniline	ND	0.40	0.032	mg/kg	
100-01-6	4-Nitroaniline	ND	0.40	0.031	mg/kg	
91-20-3	Naphthalene	ND	0.079	0.022	mg/kg	
98-95-3	Nitrobenzene	ND	0.16	0.023	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.16	0.019	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.40	0.047	mg/kg	
85-01-8	Phenanthrene	0.136	0.079	0.036	mg/kg	
129-00-0	Pyrene	0.273	0.079	0.030	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.40	0.024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		13-110%

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

Report of Analysis

Client Sample ID:	347-DUP-5		
Lab Sample ID:	JB69123-3	**Date Sampled:**	06/11/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.9
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	75%		20-123%
4165-60-0	Nitrobenzene-d5	67%		10-110%
321-60-8	2-Fluorobiphenyl	68%		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: 347-DUP-5
Lab Sample ID: JB69123-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/11/14
Date Received: 06/12/14
Percent Solids: 40.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	26300	130	3.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.69 U	5.1	0.69	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	10.6	5.1	0.74	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	68.0	51	0.20	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.2	0.51	0.051	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.33 B	1.3	0.13	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	3070	1300	7.7	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	45.8	2.5	0.18	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	14.3	13	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	20.4	6.4	0.38	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	39200	130	2.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	29.5	5.1	0.53	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	9300	1300	8.6	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	485	3.8	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.026 B	0.049	0.011	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	40.9	10	0.25	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	5790	2500	10	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.84 U	5.1	0.84	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.36 U	1.3	0.36	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	3380	2500	4.8	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.0 U	2.5	1.0	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	60.1	13	0.23	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	104	5.1	0.97	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

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Report of Analysis

Client Sample ID:	348-PE-11		
Lab Sample ID:	JB69123-4	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	46.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110947.D	1	06/22/14	PS	n/a	n/a	V3C4996
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0381	0.023	0.010	mg/kg	
71-43-2	Benzene	0.00075	0.0023	0.00029	mg/kg	J
74-97-5	Bromochloromethane	ND	0.011	0.0012	mg/kg	
75-27-4	Bromodichloromethane	ND	0.011	0.00064	mg/kg	
75-25-2	Bromoform	ND	0.011	0.00059	mg/kg	
74-83-9	Bromomethane	ND	0.011	0.0011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.023	0.010	mg/kg	
75-15-0	Carbon disulfide	0.0059	0.011	0.00032	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.011	0.00057	mg/kg	
108-90-7	Chlorobenzene	ND	0.011	0.00045	mg/kg	
75-00-3	Chloroethane	ND	0.011	0.0023	mg/kg	
67-66-3	Chloroform	ND	0.011	0.00058	mg/kg	
74-87-3	Chloromethane	ND	0.011	0.00078	mg/kg	
110-82-7	Cyclohexane	0.0178	0.011	0.00058	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.023	0.0030	mg/kg	
124-48-1	Dibromochloromethane	ND	0.011	0.00055	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	0.0012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.011	0.00077	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.011	0.00049	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.011	0.00057	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.011	0.00080	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.011	0.00071	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	0.00073	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.011	0.00065	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.00069	0.011	0.00047	mg/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	0.011	0.00096	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.011	0.00099	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.011	0.00051	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.011	0.00061	mg/kg	
100-41-4	Ethylbenzene	0.0028	0.0023	0.00040	mg/kg	
76-13-1	Freon 113	ND	0.011	0.00099	mg/kg	
591-78-6	2-Hexanone	ND	0.011	0.0040	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:	348-PE-11		
Lab Sample ID:	JB69123-4	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	46.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0037	0.011	0.00033	mg/kg	J
79-20-9	Methyl Acetate	ND	0.011	0.0038	mg/kg	
108-87-2	Methylcyclohexane	0.0835	0.011	0.00037	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	0.00078	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.011	0.0030	mg/kg	
75-09-2	Methylene chloride	ND	0.011	0.0039	mg/kg	
100-42-5	Styrene	ND	0.011	0.00053	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.011	0.00078	mg/kg	
127-18-4	Tetrachloroethene	ND	0.011	0.00093	mg/kg	
108-88-3	Toluene	0.0016	0.0023	0.00032	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.011	0.00047	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.011	0.00041	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.011	0.00065	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.011	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.011	0.00079	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.011	0.00051	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	0.00078	mg/kg	
	m,p-Xylene	0.0113	0.0023	0.0011	mg/kg	
95-47-6	o-Xylene	0.0062	0.0023	0.00040	mg/kg	
1330-20-7	Xylene (total)	0.0174	0.0023	0.00040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		59-130%
17060-07-0	1,2-Dichloroethane-D4	99%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	125%		71-132%

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

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Report of Analysis

Client Sample ID:	348-PE-11		
Lab Sample ID:	JB69123-4	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	46.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92784.D	1	06/19/14	AR	06/18/14	OP75724	EZ4609
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.14	0.071	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.35	0.071	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.35	0.11	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.35	0.12	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.4	0.086	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.4	0.086	mg/kg	
95-48-7	2-Methylphenol	ND	0.14	0.081	mg/kg	
	3&4-Methylphenol	ND	0.14	0.090	mg/kg	
88-75-5	2-Nitrophenol	ND	0.35	0.075	mg/kg	
100-02-7	4-Nitrophenol	ND	0.71	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.71	0.12	mg/kg	
108-95-2	Phenol	ND	0.14	0.074	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.35	0.073	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.35	0.082	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.35	0.067	mg/kg	
83-32-9	Acenaphthene	ND	0.071	0.021	mg/kg	
208-96-8	Acenaphthylene	ND	0.071	0.023	mg/kg	
98-86-2	Acetophenone	ND	0.35	0.012	mg/kg	
120-12-7	Anthracene	ND	0.071	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.14	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	0.0318	0.071	0.023	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.071	0.022	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.071	0.024	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.071	0.026	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.071	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	0.0082	mg/kg	
100-52-7	Benzaldehyde	ND	0.35	0.016	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.14	0.022	mg/kg	
106-47-8	4-Chloroaniline	ND	0.35	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:	348-PE-11		
Lab Sample ID:	JB69123-4	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	46.9
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	0.14	0.022	mg/kg	
218-01-9	Chrysene	ND	0.071	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	0.021	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	0.021	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.071	0.031	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.071	0.027	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.14	0.018	mg/kg	
123-91-1	1,4-Dioxane	ND	0.071	0.046	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.071	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	0.034	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	0.071	0.031	mg/kg	
86-73-7	Fluorene	ND	0.071	0.023	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.14	0.023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.071	0.020	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.71	0.072	mg/kg	
67-72-1	Hexachloroethane	ND	0.35	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.071	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	0.35	0.031	mg/kg	
99-09-2	3-Nitroaniline	ND	0.35	0.028	mg/kg	
100-01-6	4-Nitroaniline	ND	0.35	0.028	mg/kg	
91-20-3	Naphthalene	ND	0.071	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	0.35	0.042	mg/kg	
85-01-8	Phenanthrene	ND	0.071	0.032	mg/kg	
129-00-0	Pyrene	0.0307	0.071	0.027	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.35	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		13-110%

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

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

Report of Analysis

Client Sample ID:	348-PE-11		
Lab Sample ID:	JB69123-4	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	46.9
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	67%		15-110%
118-79-6	2,4,6-Tribromophenol	101%		20-123%
4165-60-0	Nitrobenzene-d5	89%		10-110%
321-60-8	2-Fluorobiphenyl	80%		17-110%
1718-51-0	Terphenyl-d14	95%		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: 348-PE-11
Lab Sample ID: JB69123-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/12/14
Date Received: 06/12/14
Percent Solids: 46.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	24600	100	2.7	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.55 U	4.1	0.55	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	10.2	4.1	0.59	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	58.0	41	0.16	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.1	0.41	0.041	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.14 B	1.0	0.10	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	3090	1000	6.2	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	40.9	2.0	0.14	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	9.9 B	10	0.12	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	18.7	5.1	0.30	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	34500	100	1.9	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	33.5	4.1	0.43	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	7850	1000	6.9	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	476	3.0	0.12	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.057	0.037	0.0084	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	31.9	8.1	0.20	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	5120	2000	8.1	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.67 U	4.1	0.67	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.28 U	1.0	0.28	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	1440 B	2000	3.8	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.83 U	2.0	0.83	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	50.3	10	0.18	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	83.8	4.1	0.77	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

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Report of Analysis

Client Sample ID:	349-PE-9		
Lab Sample ID:	JB69123-5	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	54.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110950.D	1	06/22/14	PS	n/a	n/a	V3C4996
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0699	0.020	0.0091	mg/kg	
71-43-2	Benzene	ND	0.0020	0.00025	mg/kg	
74-97-5	Bromochloromethane	ND	0.010	0.0010	mg/kg	
75-27-4	Bromodichloromethane	ND	0.010	0.00056	mg/kg	
75-25-2	Bromoform	ND	0.010	0.00052	mg/kg	
74-83-9	Bromomethane	ND	0.010	0.00096	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.020	0.0088	mg/kg	
75-15-0	Carbon disulfide	0.0060	0.010	0.00028	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.010	0.00050	mg/kg	
108-90-7	Chlorobenzene	ND	0.010	0.00039	mg/kg	
75-00-3	Chloroethane	ND	0.010	0.0020	mg/kg	
67-66-3	Chloroform	ND	0.010	0.00051	mg/kg	
74-87-3	Chloromethane	ND	0.010	0.00069	mg/kg	
110-82-7	Cyclohexane	0.0146	0.010	0.00051	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0027	mg/kg	
124-48-1	Dibromochloromethane	ND	0.010	0.00048	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0020	0.0011	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.010	0.00068	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.010	0.00044	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.010	0.00050	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.010	0.00071	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.010	0.00063	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0020	0.00064	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.010	0.00057	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.0012	0.010	0.00041	mg/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	0.010	0.00085	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.010	0.00087	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.010	0.00045	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.010	0.00054	mg/kg	
100-41-4	Ethylbenzene	0.0050	0.0020	0.00035	mg/kg	
76-13-1	Freon 113	ND	0.010	0.00087	mg/kg	
591-78-6	2-Hexanone	ND	0.010	0.0036	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:	349-PE-9		
Lab Sample ID:	JB69123-5	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	54.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0039	0.010	0.00029	mg/kg	J
79-20-9	Methyl Acetate	ND	0.010	0.0033	mg/kg	
108-87-2	Methylcyclohexane	0.174	0.010	0.00033	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0020	0.00069	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.010	0.0026	mg/kg	
75-09-2	Methylene chloride	ND	0.010	0.0034	mg/kg	
100-42-5	Styrene	ND	0.010	0.00046	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.010	0.00068	mg/kg	
127-18-4	Tetrachloroethene	0.0023	0.010	0.00082	mg/kg	J
108-88-3	Toluene	0.0020	0.0020	0.00028	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.010	0.00041	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.010	0.00036	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.010	0.00057	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.010	0.0016	mg/kg	
79-01-6	Trichloroethene	ND	0.010	0.00070	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.010	0.00045	mg/kg	
75-01-4	Vinyl chloride	ND	0.010	0.00068	mg/kg	
	m,p-Xylene	0.0186	0.0020	0.00097	mg/kg	
95-47-6	o-Xylene	0.0106	0.0020	0.00036	mg/kg	
1330-20-7	Xylene (total)	0.0292	0.0020	0.00036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		59-130%
17060-07-0	1,2-Dichloroethane-D4	107%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	119%		71-132%

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

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

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Report of Analysis

Client Sample ID:	349-PE-9		
Lab Sample ID:	JB69123-5	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	54.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32848.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.12	0.058	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.29	0.058	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.29	0.093	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.29	0.097	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.2	0.070	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.2	0.070	mg/kg	
95-48-7	2-Methylphenol	ND	0.12	0.066	mg/kg	
	3&4-Methylphenol	ND	0.12	0.073	mg/kg	
88-75-5	2-Nitrophenol	ND	0.29	0.061	mg/kg	
100-02-7	4-Nitrophenol	ND	0.58	0.098	mg/kg	
87-86-5	Pentachlorophenol	ND	0.58	0.099	mg/kg	
108-95-2	Phenol	ND	0.12	0.061	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.29	0.059	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.29	0.067	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.29	0.054	mg/kg	
83-32-9	Acenaphthene	ND	0.058	0.017	mg/kg	
208-96-8	Acenaphthylene	ND	0.058	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.29	0.010	mg/kg	
120-12-7	Anthracene	ND	0.058	0.020	mg/kg	
1912-24-9	Atrazine	ND	0.12	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.058	0.019	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.058	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.058	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.058	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.058	0.022	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.12	0.021	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.12	0.033	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.12	0.0067	mg/kg	
100-52-7	Benzaldehyde	ND	0.29	0.013	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.12	0.018	mg/kg	
106-47-8	4-Chloroaniline	ND	0.29	0.018	mg/kg	
86-74-8	Carbazole	ND	0.12	0.027	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:	349-PE-9		
Lab Sample ID:	JB69123-5	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	54.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.12	0.018	mg/kg	
218-01-9	Chrysene	ND	0.058	0.020	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.12	0.023	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.12	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.12	0.017	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.12	0.017	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.058	0.025	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.058	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.12	0.015	mg/kg	
123-91-1	1,4-Dioxane	ND	0.058	0.038	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.058	0.020	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.12	0.013	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.12	0.028	mg/kg	
84-66-2	Diethyl phthalate	ND	0.12	0.020	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.12	0.020	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.12	0.051	mg/kg	
206-44-0	Fluoranthene	ND	0.058	0.025	mg/kg	
86-73-7	Fluorene	ND	0.058	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.12	0.019	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.058	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.58	0.059	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	0.016	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.058	0.020	mg/kg	
78-59-1	Isophorone	ND	0.12	0.016	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	0.032	mg/kg	
88-74-4	2-Nitroaniline	ND	0.29	0.025	mg/kg	
99-09-2	3-Nitroaniline	ND	0.29	0.023	mg/kg	
100-01-6	4-Nitroaniline	ND	0.29	0.023	mg/kg	
91-20-3	Naphthalene	ND	0.058	0.016	mg/kg	
98-95-3	Nitrobenzene	ND	0.12	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.12	0.014	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	0.034	mg/kg	
85-01-8	Phenanthrene	ND	0.058	0.026	mg/kg	
129-00-0	Pyrene	ND	0.058	0.022	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.29	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		13-110%

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

Report of Analysis

Client Sample ID:	349-PE-9		
Lab Sample ID:	JB69123-5	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	54.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		15-110%
118-79-6	2,4,6-Tribromophenol	75%		20-123%
4165-60-0	Nitrobenzene-d5	60%		10-110%
321-60-8	2-Fluorobiphenyl	61%		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: 349-PE-9
Lab Sample ID: JB69123-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/12/14
Date Received: 06/12/14
Percent Solids: 54.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	21000	91	2.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.49 U	3.6	0.49	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	9.5	3.6	0.53	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	62.8	36	0.15	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.97	0.36	0.036	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.33 B	0.91	0.091	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	8420	910	5.5	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	37.0	1.8	0.13	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	11.7	9.1	0.11	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	23.2	4.6	0.27	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	33200	91	1.8	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	42.5	3.6	0.38	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6940	910	6.2	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	407	2.7	0.11	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.053	0.046	0.010	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	35.5	7.3	0.18	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	4220	1800	7.3	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.60 U	3.6	0.60	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.26 U	0.91	0.26	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	901 B	1800	3.4	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.75 U	1.8	0.75	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	41.0	9.1	0.16	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	88.0	3.6	0.69	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	350-PE-10		
Lab Sample ID:	JB69123-6	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	36.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C110949.D	1	06/22/14	PS	n/a	n/a	V3C4996
Run #2							

	Initial Weight
Run #1	3.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0523	0.035	0.016	mg/kg	
71-43-2	Benzene	ND	0.0035	0.00044	mg/kg	
74-97-5	Bromochloromethane	ND	0.017	0.0018	mg/kg	
75-27-4	Bromodichloromethane	ND	0.017	0.00098	mg/kg	
75-25-2	Bromoform	ND	0.017	0.00092	mg/kg	
74-83-9	Bromomethane	ND	0.017	0.0017	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.035	0.015	mg/kg	
75-15-0	Carbon disulfide	0.0340	0.017	0.00049	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.017	0.00088	mg/kg	
108-90-7	Chlorobenzene	ND	0.017	0.00069	mg/kg	
75-00-3	Chloroethane	ND	0.017	0.0035	mg/kg	
67-66-3	Chloroform	ND	0.017	0.00089	mg/kg	
74-87-3	Chloromethane	ND	0.017	0.0012	mg/kg	
110-82-7	Cyclohexane	0.0075	0.017	0.00090	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.035	0.0046	mg/kg	
124-48-1	Dibromochloromethane	ND	0.017	0.00085	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0035	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	0.00076	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.017	0.00088	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	0.0035	0.0011	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.017	0.0010	mg/kg	
156-59-2	cis-1,2-Dichloroethene	0.0020	0.017	0.00072	mg/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	0.017	0.0015	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	0.00079	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.017	0.00094	mg/kg	
100-41-4	Ethylbenzene	0.0016	0.0035	0.00061	mg/kg	J
76-13-1	Freon 113	ND	0.017	0.0015	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0062	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:	350-PE-10		
Lab Sample ID:	JB69123-6	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8260C	**Percent Solids:**	36.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0016	0.017	0.00051	mg/kg	J
79-20-9	Methyl Acetate	ND	0.017	0.0058	mg/kg	
108-87-2	Methylcyclohexane	0.0191	0.017	0.00057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0035	0.0012	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.017	0.0046	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.0059	mg/kg	
100-42-5	Styrene	ND	0.017	0.00081	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	0.0054	0.0035	0.00050	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.017	0.00072	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.017	0.00063	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.017	0.0010	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.017	0.0029	mg/kg	
79-01-6	Trichloroethene	ND	0.017	0.0012	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.017	0.00079	mg/kg	
75-01-4	Vinyl chloride	ND	0.017	0.0012	mg/kg	
	m,p-Xylene	0.0065	0.0035	0.0017	mg/kg	
95-47-6	o-Xylene	0.0034	0.0035	0.00062	mg/kg	J
1330-20-7	Xylene (total)	0.0099	0.0035	0.00062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		59-130%
17060-07-0	1,2-Dichloroethane-D4	114%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	126%		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 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	350-PE-10		
Lab Sample ID:	JB69123-6	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	36.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32849.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
Run #2							

	Initial Weight	Final Volume
Run #1	32.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.17	0.084	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.42	0.084	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.42	0.13	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.42	0.14	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.7	0.10	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.7	0.10	mg/kg	
95-48-7	2-Methylphenol	ND	0.17	0.096	mg/kg	
	3&4-Methylphenol	ND	0.17	0.11	mg/kg	
88-75-5	2-Nitrophenol	ND	0.42	0.089	mg/kg	
100-02-7	4-Nitrophenol	ND	0.84	0.14	mg/kg	
87-86-5	Pentachlorophenol	ND	0.84	0.14	mg/kg	
108-95-2	Phenol	ND	0.17	0.088	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.42	0.086	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.42	0.097	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.42	0.079	mg/kg	
83-32-9	Acenaphthene	ND	0.084	0.024	mg/kg	
208-96-8	Acenaphthylene	ND	0.084	0.027	mg/kg	
98-86-2	Acetophenone	ND	0.42	0.015	mg/kg	
120-12-7	Anthracene	ND	0.084	0.029	mg/kg	
1912-24-9	Atrazine	ND	0.17	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	0.0499	0.084	0.027	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.084	0.026	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.084	0.028	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.084	0.031	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.084	0.032	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.17	0.030	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.17	0.049	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.17	0.0097	mg/kg	
100-52-7	Benzaldehyde	ND	0.42	0.019	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.17	0.026	mg/kg	
106-47-8	4-Chloroaniline	ND	0.42	0.027	mg/kg	
86-74-8	Carbazole	ND	0.17	0.039	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:	350-PE-10		
Lab Sample ID:	JB69123-6	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	36.7
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	0.17	0.026	mg/kg	
218-01-9	Chrysene	0.0445	0.084	0.028	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.17	0.034	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.17	0.025	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.17	0.025	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.17	0.025	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.084	0.037	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.084	0.032	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.17	0.021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.084	0.054	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.084	0.029	mg/kg	
132-64-9	Dibenzofuran	ND	0.17	0.025	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.17	0.019	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.17	0.041	mg/kg	
84-66-2	Diethyl phthalate	ND	0.17	0.029	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.17	0.030	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.17	0.074	mg/kg	
206-44-0	Fluoranthene	0.0454	0.084	0.037	mg/kg	J
86-73-7	Fluorene	ND	0.084	0.027	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.17	0.027	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.084	0.023	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.84	0.086	mg/kg	
67-72-1	Hexachloroethane	ND	0.42	0.023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.084	0.029	mg/kg	
78-59-1	Isophorone	ND	0.17	0.023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.17	0.047	mg/kg	
88-74-4	2-Nitroaniline	ND	0.42	0.037	mg/kg	
99-09-2	3-Nitroaniline	ND	0.42	0.034	mg/kg	
100-01-6	4-Nitroaniline	ND	0.42	0.033	mg/kg	
91-20-3	Naphthalene	ND	0.084	0.023	mg/kg	
98-95-3	Nitrobenzene	ND	0.17	0.024	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.17	0.020	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.42	0.050	mg/kg	
85-01-8	Phenanthrene	0.0775	0.084	0.038	mg/kg	J
129-00-0	Pyrene	0.0680	0.084	0.032	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.42	0.026	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:	350-PE-10		
Lab Sample ID:	JB69123-6	**Date Sampled:**	06/12/14
Matrix:	SO - Soil	**Date Received:**	06/12/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	36.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		15-110%
118-79-6	2,4,6-Tribromophenol	60%		20-123%
4165-60-0	Nitrobenzene-d5	62%		10-110%
321-60-8	2-Fluorobiphenyl	63%		17-110%
1718-51-0	Terphenyl-d14	60%		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: 350-PE-10
Lab Sample ID: JB69123-6
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/12/14
Date Received: 06/12/14
Percent Solids: 36.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	23200	130	3.6	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.73 U	5.4	0.73	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Arsenic	8.4	5.4	0.78	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Barium	55.6	54	0.22	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.86	0.54	0.054	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.35 B	1.3	0.13	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Calcium	4070	1300	8.2	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Chromium	36.5	2.7	0.19	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Cobalt	10.5 B	13	0.16	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Copper	14.8	6.7	0.40	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Iron	30900	130	2.6	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Lead	25.3	5.4	0.57	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6410	1300	9.1	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Manganese	252	4.0	0.16	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.026 B	0.052	0.012	mg/kg	1	06/23/14	06/23/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	33.6	11	0.27	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Potassium	4750	2700	11	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.3 B	5.4	0.89	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Silver	0.38 U	1.3	0.38	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Sodium	2720	2700	5.1	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Thallium	1.1 U	2.7	1.1	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Vanadium	64.4	13	0.24	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]
Zinc	68.4	5.4	1.0	mg/kg	1	06/18/14	06/18/14	TG	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34268
(2) Instrument QC Batch: MA34291
(3) Prep QC Batch: MP80126
(4) Prep QC Batch: MP80223

RL = Reporting Limit
MDL = Method Detection Limit

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

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Report of Analysis

Client Sample ID:	351-FB-13		
Lab Sample ID:	JB69123-7	**Date Sampled:**	06/12/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/12/14
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	4V8987.D	1	06/19/14	BM	n/a	n/a	V4V370
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:	351-FB-13		
Lab Sample ID:	JB69123-7	**Date Sampled:**	06/12/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/12/14
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	110%		79-120%
17060-07-0	1,2-Dichloroethane-D4	106%		72-123%
2037-26-5	Toluene-D8	107%		78-119%
460-00-4	4-Bromofluorobenzene	103%		74-119%

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 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	351-FB-13		
Lab Sample ID:	JB69123-7	**Date Sampled:**	06/12/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/12/14
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 [a]	Z92979.D	1	06/27/14	AD	06/17/14	OP75710	EZ4620
Run #2 [b]	F36374.D	1	06/25/14	SW	06/20/14	OP75815	EF5710

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2	900 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	7.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.4	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	5.4	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.99	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.59	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.7	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.32	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	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.4	0.73	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.26	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	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	0.27	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.24	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.37	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.33	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	ug/l	

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

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

Report of Analysis

Client Sample ID:	351-FB-13		
Lab Sample ID:	JB69123-7	**Date Sampled:**	06/12/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/12/14
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	0.44	ug/l	
218-01-9	Chrysene	ND	1.1	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.46	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.47	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.35	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.28	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.61	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.78	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.30	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.25	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.63	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.27	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.60	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	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.52	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.31	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.44	ug/l	
78-59-1	Isophorone	ND	2.2	0.37	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.32	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	0.34	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.33	ug/l	
91-20-3	Naphthalene	ND	1.1	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.41	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.20	ug/l	
129-00-0	Pyrene	ND	1.1	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%	43%	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:	351-FB-13		
Lab Sample ID:	JB69123-7	**Date Sampled:**	06/12/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/12/14
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	43%	28%	10-110%
118-79-6	2,4,6-Tribromophenol	95%	84%	29-139%
4165-60-0	Nitrobenzene-d5	96%	72%	28-131%
321-60-8	2-Fluorobiphenyl	99%	70%	30-121%
1718-51-0	Terphenyl-d14	103%	79%	16-147%

(a) There are several compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Confirmation run.

Report of Analysis

Client Sample ID: 351-FB-13
Lab Sample ID: JB69123-7
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/12/14
Date Received: 06/12/14
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	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Calcium	25.0 B	5000	19	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/23/14	06/23/14	DP	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Sodium	19 U	10000	19	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	2.0	1.8	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]
Zinc	7.6 U	20	7.6	ug/l	1	06/19/14	06/19/14	GT	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34282
(2) Instrument QC Batch: MA34295
(3) Prep QC Batch: MP80152
(4) Prep QC Batch: MP80238

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:12 18-Sep-2014

Report of Analysis

Client Sample ID:	352-TB-12		
Lab Sample ID:	JB69123-8	**Date Sampled:**	06/12/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/12/14
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	4V8988.D	1	06/19/14	BM	n/a	n/a	V4V370
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:	352-TB-12		
Lab Sample ID:	JB69123-8	**Date Sampled:**	06/12/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/12/14
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	109%		79-120%
17060-07-0	1,2-Dichloroethane-D4	105%		72-123%
2037-26-5	Toluene-D8	106%		78-119%
460-00-4	4-Bromofluorobenzene	106%		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

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST LABORATORIES

SLL
FB
STB

CHAIN OF CUSTODY

PAGE 1 OF 1

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

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JB69123

Client / Reporting Information

Company Name: Langan
Street Address: 1619 River Drive
City: Elmwood Park State: NJ Zip: 07407
Project Contact: McManon, Deckard E-mail:
Phone #: 201-794-6900 Fax #:
Sampler(s) Name(s): Christine B. Madsen Phone #:

Project Information

Project Name: Bond Street Redevelopment
Street: 305 Bond St
City: Brooklyn State: NY
Project #: 100281501
Client Purchase Order #:
Project Manager: MCCloskey

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	TAL Metals	LAB USE ONLY
1	345-PE-24		6/11/14	1530	CBM	S	5					2	2	1		X	X	X	B24
2	346-PE-25		6/11/14	1535	CBM	S	5					2	2	1		X	X	X	P39
3	347-DUP-5		6/11/14	—	CBM	S	5					2	2	1		X	X	X	1404
4	348-PE-11		6/12/14	0830	CBM	S	5					2	2	1		X	X	X	4936
5	349-PE-9	4495 5906 5907	6/12/14	0855	CBM	S	4					1	2	1		X	X	X	
6	350-PE-10	4511 5938 5939	6/12/14	0900	CBM	S	4					1	2	1		X	X	X	E1 A20
7	351-FB-13		6/12/14	0905	CBM	FB	5	2	1			2				X	X	X	V727
8	352-TB-12		6/12/14	—	CBM	TB	2	2								X			

D.I. slurry voc vials frozen storage
Date: ___ Time: ___ Initials: ___

Turnaround Time (Business days)

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

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

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

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

Comments / Special Instructions

electronic copies only
report 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	6/12/14 1030	1	2	6/12/14 1340	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp.
5		5					

S. 5.5

JB MS

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB69123 **Client:** **Project:**

Date / Time Received: 6/12/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (5.5/5.2); 0

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

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

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

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

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

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

Comments

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

JB69123: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69123

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69123-1	Collected: 11-JUN-14 15:30 By: CBM		Received: 12-JUN-14 By: AS			
345-PE-24						
JB69123-1	SW846 8270D	18-JUN-14 02:20	AD	17-JUN-14	FN	AB8270TCL20
JB69123-1	SM2540 G-97	18-JUN-14 12:00	MS			%SOL
JB69123-1	SW846 6010C	18-JUN-14 21:38	TG	18-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
JB69123-1	SW846 8260C	22-JUN-14 14:56	PS			VC8260TCL20
JB69123-1	SW846 7471B	23-JUN-14 13:56	JW	23-JUN-14	JW	HG
JB69123-2	Collected: 11-JUN-14 15:35 By: CBM		Received: 12-JUN-14 By: AS			
346-PE-25						
JB69123-2	SW846 8270D	18-JUN-14 02:45	AD	17-JUN-14	FN	AB8270TCL20
JB69123-2	SM2540 G-97	18-JUN-14 12:00	MS			%SOL
JB69123-2	SW846 6010C	18-JUN-14 21:57	TG	18-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
JB69123-2	SW846 8260C	22-JUN-14 15:23	PS			VC8260TCL20
JB69123-2	SW846 7471B	23-JUN-14 14:01	JW	23-JUN-14	JW	HG
JB69123-3	Collected: 11-JUN-14 00:00 By: CBM		Received: 12-JUN-14 By: AS			
347-DUP-5						
JB69123-3	SW846 8270D	18-JUN-14 03:10	AD	17-JUN-14	FN	AB8270TCL20
JB69123-3	SM2540 G-97	18-JUN-14 12:00	MS			%SOL
JB69123-3	SW846 6010C	18-JUN-14 22:02	TG	18-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
JB69123-3	SW846 8260C	22-JUN-14 15:51	PS			VC8260TCL20
JB69123-3	SW846 7471B	23-JUN-14 14:02	JW	23-JUN-14	JW	HG
JB69123-4	Collected: 12-JUN-14 08:30 By: CBM		Received: 12-JUN-14 By: AS			
348-PE-11						
JB69123-4	SM2540 G-97	18-JUN-14 12:00	MS			%SOL
JB69123-4	SW846 6010C	18-JUN-14 22:08	TG	18-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: JB69123

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69123-4	SW846 8270D	19-JUN-14 21:56	AR	18-JUN-14	AQ	AB8270TCL20
JB69123-4	SW846 8260C	22-JUN-14 16:19	PS			VC8260TCL20
JB69123-4	SW846 7471B	23-JUN-14 14:03	JW	23-JUN-14	JW	HG
JB69123-5	Collected: 12-JUN-14 08:55 By: CBM			Received: 12-JUN-14 By: AS		
349-PE-9						
JB69123-5	SW846 8270D	18-JUN-14 03:36	AD	17-JUN-14	FN	AB8270TCL20
JB69123-5	SW846 6010C	18-JUN-14 22:14	TG	18-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
JB69123-5	SM2540 G-97	19-JUN-14 11:30	NR			%SOL
JB69123-5	SW846 8260C	22-JUN-14 17:42	PS			VC8260TCL20
JB69123-5	SW846 7471B	23-JUN-14 14:05	JW	23-JUN-14	JW	HG
JB69123-6	Collected: 12-JUN-14 09:00 By: CBM			Received: 12-JUN-14 By: AS		
350-PE-10						
JB69123-6	SW846 8270D	18-JUN-14 04:01	AD	17-JUN-14	FN	AB8270TCL20
JB69123-6	SW846 6010C	18-JUN-14 22:20	TG	18-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
JB69123-6	SM2540 G-97	19-JUN-14 11:30	NR			%SOL
JB69123-6	SW846 8260C	22-JUN-14 17:14	PS			VC8260TCL20
JB69123-6	SW846 7471B	23-JUN-14 14:06	JW	23-JUN-14	JW	HG
JB69123-7	Collected: 12-JUN-14 09:05 By: CBM			Received: 12-JUN-14 By: AS		
351-FB-13						
JB69123-7	SW846 8260C	19-JUN-14 18:16	BM			VC8260TCL20
JB69123-7	SW846 6010C	19-JUN-14 23:06	GT	19-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
JB69123-7	SW846 7470A	23-JUN-14 16:45	DP	23-JUN-14	DP	HG
JB69123-7	SW846 8270D	25-JUN-14 19:59	SW	20-JUN-14	RM	AB8270TCL20
JB69123-7	SW846 8270D	27-JUN-14 13:14	AD	17-JUN-14	SK	AB8270TCL20
JB69123-8	Collected: 12-JUN-14 09:05 By: CBM			Received: 12-JUN-14 By: AS		
352-TB-12						

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69123

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69123-8	SW846 8260C	19-JUN-14 18:43	BM			VC8260TCL20

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-1.1	Secured Storage	Mike Sikorsky	06/17/14 06:43	Retrieve from Storage
JB69123-1.1	Mike Sikorsky	Secured Storage	06/17/14 12:00	Return to Storage
JB69123-1.1	Secured Storage	Ana Maria Moreta	06/18/14 07:10	Retrieve from Storage
JB69123-1.1	Ana Maria Moreta	Secured Staging Area	06/18/14 07:10	Return to Storage
JB69123-1.1	Secured Staging Area	Amirah Hillman	06/18/14 08:47	Retrieve from Storage
JB69123-1.1	Amirah Hillman	Secured Storage	06/18/14 17:03	Return to Storage
JB69123-1.1	Secured Storage	Alfredo Crespo	06/23/14 07:11	Retrieve from Storage
JB69123-1.1	Alfredo Crespo	Secured Staging Area	06/23/14 07:11	Return to Storage
JB69123-1.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-1.1.1	Mike Sikorsky	Organics Prep	06/17/14 07:21	Extract from JB69123-1.1
JB69123-1.1.1	Organics Prep	Finley Nyaata	06/17/14 19:00	Extract from JB69123-1.1
JB69123-1.1.1	Finley Nyaata	Extract Storage	06/17/14 19:00	Return to Storage
JB69123-1.1.1	Extract Storage	Ashley Dye	06/17/14 23:09	Retrieve from Storage
JB69123-1.1.1	Ashley Dye	GCMS3P	06/17/14 23:09	Load on Instrument
JB69123-1.1.1	GCMS3P	Kristi Schollenberger	06/21/14 11:39	Unload from Instrument
JB69123-1.1.1	Kristi Schollenberger	Extract Freezer	06/21/14 11:39	Return to Storage
JB69123-1.1.1	Extract Freezer		07/28/14 09:00	Disposed
JB69123-1.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-1.1
JB69123-1.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-1.1
JB69123-1.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-1.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-1.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage
JB69123-1.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-1.2	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-1.2	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-1.2	Secured Storage	Todd Shoemaker	06/18/14 10:30	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69123-1.2	Todd Shoemaker	Secured Staging Area	06/18/14 10:30	Return to Storage
JB69123-1.2	Secured Staging Area	Mara Stegaru	06/18/14 12:34	Retrieve from Storage
JB69123-1.2	Mara Stegaru		06/18/14 12:35	Depleted
JB69123-1.4	Secured Storage	Prashant Shukla	06/18/14 18:06	Retrieve from Storage
JB69123-1.4	Prashant Shukla	GCMS3C	06/18/14 18:06	Load on Instrument
JB69123-1.4	GCMS3C	Prashant Shukla	06/20/14 10:39	Unload from Instrument
JB69123-1.4	Prashant Shukla	Secured Storage	06/20/14 10:39	Return to Storage
JB69123-1.4	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-1.4	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-1.4	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-1.4	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-2.1	Secured Storage	Mike Sikorsky	06/17/14 06:43	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-2.1	Mike Sikorsky	Secured Storage	06/17/14 12:00	Return to Storage
JB69123-2.1	Secured Storage	Ana Maria Moreta	06/18/14 07:10	Retrieve from Storage
JB69123-2.1	Ana Maria Moreta	Secured Staging Area	06/18/14 07:10	Return to Storage
JB69123-2.1	Secured Staging Area	Amirah Hillman	06/18/14 08:47	Retrieve from Storage
JB69123-2.1	Amirah Hillman	Secured Storage	06/18/14 17:03	Return to Storage
JB69123-2.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-2.1.1	Mike Sikorsky	Organics Prep	06/17/14 07:21	Extract from JB69123-2.1
JB69123-2.1.1	Organics Prep	Finley Nyaata	06/17/14 19:00	Extract from JB69123-2.1
JB69123-2.1.1	Finley Nyaata	Extract Storage	06/17/14 19:00	Return to Storage
JB69123-2.1.1	Extract Storage	Ashley Dye	06/17/14 23:09	Retrieve from Storage
JB69123-2.1.1	Ashley Dye	GCMS3P	06/17/14 23:09	Load on Instrument
JB69123-2.1.1	GCMS3P	Kristi Schollenberger	06/21/14 11:39	Unload from Instrument
JB69123-2.1.1	Kristi Schollenberger	Extract Freezer	06/21/14 11:39	Return to Storage
JB69123-2.1.1	Extract Freezer		07/28/14 09:00	Disposed
JB69123-2.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-2.1
JB69123-2.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-2.1
JB69123-2.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-2.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-2.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage
JB69123-2.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-2.2	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-2.2	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-2.2	Secured Storage	Todd Shoemaker	06/18/14 10:30	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69123-2.2	Todd Shoemaker	Secured Staging Area	06/18/14 10:30	Return to Storage
JB69123-2.2	Secured Staging Area	Mara Stegaru	06/18/14 12:34	Retrieve from Storage
JB69123-2.2	Mara Stegaru		06/18/14 12:35	Depleted
JB69123-2.4	Secured Storage	Prashant Shukla	06/18/14 18:06	Retrieve from Storage
JB69123-2.4	Prashant Shukla	GCMS3C	06/18/14 18:06	Load on Instrument
JB69123-2.4	GCMS3C	Prashant Shukla	06/20/14 10:39	Unload from Instrument
JB69123-2.4	Prashant Shukla	Secured Storage	06/20/14 10:39	Return to Storage
JB69123-2.4	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-2.4	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-2.4	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-2.4	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-3.1	Secured Storage	Mike Sikorsky	06/17/14 06:43	Retrieve from Storage
JB69123-3.1	Mike Sikorsky	Secured Storage	06/17/14 12:00	Return to Storage
JB69123-3.1	Secured Storage	Ana Maria Moreta	06/18/14 07:10	Retrieve from Storage
JB69123-3.1	Ana Maria Moreta	Secured Staging Area	06/18/14 07:10	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-3.1	Secured Staging Area	Amirah Hillman	06/18/14 08:47	Retrieve from Storage
JB69123-3.1	Amirah Hillman	Secured Storage	06/18/14 17:03	Return to Storage
JB69123-3.1	Secured Storage	Alfredo Crespo	06/23/14 07:11	Retrieve from Storage
JB69123-3.1	Alfredo Crespo	Secured Staging Area	06/23/14 07:11	Return to Storage
JB69123-3.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-3.1.1	Mike Sikorsky	Organics Prep	06/17/14 07:21	Extract from JB69123-3.1
JB69123-3.1.1	Organics Prep	Finley Nyaata	06/17/14 19:00	Extract from JB69123-3.1
JB69123-3.1.1	Finley Nyaata	Extract Storage	06/17/14 19:00	Return to Storage
JB69123-3.1.1	Extract Storage	Ashley Dye	06/17/14 23:09	Retrieve from Storage
JB69123-3.1.1	Ashley Dye	GCMS3P	06/17/14 23:09	Load on Instrument
JB69123-3.1.1	GCMS3P	Kristi Schollenberger	06/21/14 11:39	Unload from Instrument
JB69123-3.1.1	Kristi Schollenberger	Extract Freezer	06/21/14 11:39	Return to Storage
JB69123-3.1.1	Extract Freezer		07/28/14 09:00	Disposed
JB69123-3.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-3.1
JB69123-3.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-3.1
JB69123-3.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-3.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-3.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage
JB69123-3.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-3.2	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-3.2	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-3.2	Secured Storage	Todd Shoemaker	06/18/14 10:30	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69123-3.2	Todd Shoemaker	Secured Staging Area	06/18/14 10:30	Return to Storage
JB69123-3.2	Secured Staging Area	Mara Stegaru	06/18/14 12:34	Retrieve from Storage
JB69123-3.2	Mara Stegaru		06/18/14 12:35	Depleted
JB69123-3.4	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-3.4	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-3.4	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-3.4	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-4.1	Secured Storage	Mike Sikorsky	06/18/14 05:52	Retrieve from Storage
JB69123-4.1	Mike Sikorsky	Amirah Hillman	06/18/14 09:43	Custody Transfer
JB69123-4.1	Amirah Hillman	Secured Storage	06/18/14 17:03	Return to Storage
JB69123-4.1	Secured Storage	Alfredo Crespo	06/23/14 07:11	Retrieve from Storage
JB69123-4.1	Alfredo Crespo	Secured Staging Area	06/23/14 07:11	Return to Storage
JB69123-4.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-4.1.1	Mike Sikorsky	Organics Prep	06/18/14 06:12	Extract from JB69123-4.1

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-4.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-4.1
JB69123-4.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-4.1
JB69123-4.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-4.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-4.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage
JB69123-4.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-4.2	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-4.2	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-4.2	Secured Storage	Todd Shoemaker	06/18/14 10:30	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69123-4.2	Todd Shoemaker	Secured Staging Area	06/18/14 10:30	Return to Storage
JB69123-4.2	Secured Staging Area	Mara Stegaru	06/18/14 12:34	Retrieve from Storage
JB69123-4.2	Mara Stegaru		06/18/14 12:35	Depleted
JB69123-4.4	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-4.4	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-4.4	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-4.4	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-5.1	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-5.1	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-5.1	Secured Staging Area	Mike Sikorsky	06/17/14 06:57	Retrieve from Storage
JB69123-5.1	Mike Sikorsky	Secured Storage	06/17/14 12:00	Return to Storage
JB69123-5.1	Secured Storage	Ana Maria Moreta	06/18/14 07:10	Retrieve from Storage
JB69123-5.1	Ana Maria Moreta	Secured Staging Area	06/18/14 07:10	Return to Storage
JB69123-5.1	Secured Staging Area	Amirah Hillman	06/18/14 08:47	Retrieve from Storage
JB69123-5.1	Amirah Hillman	Secured Storage	06/18/14 17:03	Return to Storage
JB69123-5.1	Secured Storage	Todd Shoemaker	06/19/14 10:06	Retrieve from Storage
JB69123-5.1	Todd Shoemaker	Secured Staging Area	06/19/14 10:07	Return to Storage
JB69123-5.1	Secured Staging Area	Nicole Reiff	06/19/14 10:16	Retrieve from Storage
JB69123-5.1	Nicole Reiff	Secured Storage	06/19/14 11:00	Return to Storage
JB69123-5.1	Secured Storage	Alfredo Crespo	06/23/14 07:11	Retrieve from Storage
JB69123-5.1	Alfredo Crespo	Secured Staging Area	06/23/14 07:11	Return to Storage
JB69123-5.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-5.1.1	Mike Sikorsky	Organics Prep	06/17/14 07:21	Extract from JB69123-5.1
JB69123-5.1.1	Organics Prep	Finley Nyaata	06/17/14 19:00	Extract from JB69123-5.1
JB69123-5.1.1	Finley Nyaata	Extract Storage	06/17/14 19:00	Return to Storage
JB69123-5.1.1	Extract Storage	Ashley Dye	06/17/14 23:09	Retrieve from Storage
JB69123-5.1.1	Ashley Dye	GCMS3P	06/17/14 23:09	Load on Instrument
JB69123-5.1.1	GCMS3P	Kristi Schollenberger	06/21/14 11:39	Unload from Instrument
JB69123-5.1.1	Kristi Schollenberger	Extract Freezer	06/21/14 11:39	Return to Storage
JB69123-5.1.1	Extract Freezer		07/28/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-5.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-5.1
JB69123-5.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-5.1
JB69123-5.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-5.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-5.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage
JB69123-5.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-5.3	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-5.3	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-5.3	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-5.3	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-6.1	Secured Storage	Donald Phelps	06/16/14 16:05	Retrieve from Storage
JB69123-6.1	Donald Phelps	Secured Staging Area	06/16/14 16:05	Return to Storage
JB69123-6.1	Secured Staging Area	Mike Sikorsky	06/17/14 06:57	Retrieve from Storage
JB69123-6.1	Mike Sikorsky	Secured Storage	06/17/14 12:00	Return to Storage
JB69123-6.1	Secured Storage	Ana Maria Moreta	06/18/14 07:10	Retrieve from Storage
JB69123-6.1	Ana Maria Moreta	Secured Staging Area	06/18/14 07:10	Return to Storage
JB69123-6.1	Secured Staging Area	Amirah Hillman	06/18/14 08:47	Retrieve from Storage
JB69123-6.1	Amirah Hillman	Mara Stegaru	06/18/14 11:00	Custody Transfer
JB69123-6.1	Mara Stegaru	Secured Storage	06/18/14 11:03	Return to Storage
JB69123-6.1	Secured Storage	Todd Shoemaker	06/19/14 10:06	Retrieve from Storage
JB69123-6.1	Todd Shoemaker	Secured Staging Area	06/19/14 10:07	Return to Storage
JB69123-6.1	Secured Staging Area	Nicole Reiff	06/19/14 10:16	Retrieve from Storage
JB69123-6.1	Nicole Reiff	Secured Storage	06/19/14 11:00	Return to Storage
JB69123-6.1	Secured Storage	Alfredo Crespo	06/23/14 07:11	Retrieve from Storage
JB69123-6.1	Alfredo Crespo	Secured Staging Area	06/23/14 07:11	Return to Storage
JB69123-6.1	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-6.1.1	Mike Sikorsky	Organics Prep	06/17/14 07:21	Extract from JB69123-6.1
JB69123-6.1.1	Organics Prep	Finley Nyaata	06/17/14 19:00	Extract from JB69123-6.1
JB69123-6.1.1	Finley Nyaata	Extract Storage	06/17/14 19:00	Return to Storage
JB69123-6.1.1	Extract Storage	Ashley Dye	06/17/14 23:09	Retrieve from Storage
JB69123-6.1.1	Ashley Dye	GCMS3P	06/17/14 23:09	Load on Instrument
JB69123-6.1.1	GCMS3P	Kristi Schollenberger	06/21/14 11:39	Unload from Instrument
JB69123-6.1.1	Kristi Schollenberger	Extract Freezer	06/21/14 11:39	Return to Storage
JB69123-6.1.1	Extract Freezer		07/28/14 09:00	Disposed
JB69123-6.1.2	Amirah Hillman	Metals Digestion	06/18/14 10:57	Digestate from JB69123-6.1
JB69123-6.1.2	Metals Digestion	Amirah Hillman	06/18/14 10:58	Digestate from JB69123-6.1
JB69123-6.1.2	Amirah Hillman	Metals Digestate Storage	06/18/14 10:58	Return to Storage
JB69123-6.1.2	Metals Digestate Storage	Thomas Gabriel	06/18/14 15:12	Retrieve from Storage
JB69123-6.1.2	Thomas Gabriel	Metals Digestate Storage	06/18/14 16:41	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-6.1.2	Metals Digestate Storage		08/25/14 09:00	Disposed
JB69123-6.3	Secured Storage	Prashant Shukla	06/20/14 19:55	Retrieve from Storage
JB69123-6.3	Prashant Shukla	GCMS3C	06/20/14 19:55	Load on Instrument
JB69123-6.3	GCMS3C	Prashant Shukla	06/23/14 11:21	Unload from Instrument
JB69123-6.3	Prashant Shukla		06/23/14 11:23	Depleted
JB69123-7.1	Secured Storage	Brian Johnson	06/20/14 05:27	Retrieve from Storage
JB69123-7.1	Brian Johnson		06/20/14 13:29	Depleted
JB69123-7.1.1	Brian Johnson	Organics Prep	06/20/14 05:50	Extract from JB69123-7.1
JB69123-7.1.1	Organics Prep	Raghava Marthi	06/20/14 18:27	Extract from JB69123-7.1
JB69123-7.1.1	Raghava Marthi	Extract Storage	06/20/14 18:27	Return to Storage
JB69123-7.1.1	Extract Storage	Sara Wellington	06/26/14 17:34	Retrieve from Storage
JB69123-7.1.1	Sara Wellington	GCMSF	06/26/14 17:34	Load on Instrument
JB69123-7.1.1	GCMSF	Sara Wellington	06/26/14 17:40	Unload from Instrument
JB69123-7.1.1	Sara Wellington	Extract Freezer	06/26/14 17:40	Return to Storage
JB69123-7.1.1	Extract Freezer		07/31/14 09:00	Disposed
JB69123-7.2	Secured Storage	Alfredo Crespo	06/17/14 12:17	Retrieve from Storage
JB69123-7.2	Alfredo Crespo	Secured Staging Area	06/17/14 12:17	Return to Storage
JB69123-7.2	Secured Staging Area	Nikita Permiuov	06/17/14 15:52	Retrieve from Storage
JB69123-7.2	Nikita Permiuov		06/18/14 11:00	Depleted
JB69123-7.2.1	Nikita Permiuov	Organics Prep	06/17/14 15:53	Extract from JB69123-7.2
JB69123-7.2.1	Organics Prep	Saumil Patel	06/19/14 11:20	Extract from JB69123-7.2
JB69123-7.2.1	Saumil Patel	Extract Storage	06/19/14 11:21	Return to Storage
JB69123-7.2.1	Extract Storage	Sara Wellington	06/27/14 16:51	Retrieve from Storage
JB69123-7.2.1	Sara Wellington	GCMSZ	06/27/14 16:51	Load on Instrument
JB69123-7.2.1	GCMSZ	Ashley Royal	07/09/14 10:39	Unload from Instrument
JB69123-7.2.1	Ashley Royal	Extract Freezer	07/09/14 10:39	Return to Storage
JB69123-7.2.1	Extract Freezer		07/28/14 09:00	Disposed
JB69123-7.3	Secured Storage	Edwin Gonzalez	06/19/14 07:46	Retrieve from Storage
JB69123-7.3	Edwin Gonzalez	Secured Staging Area	06/19/14 07:46	Return to Storage
JB69123-7.3	Secured Staging Area	Gina Montenegro	06/19/14 08:47	Retrieve from Storage
JB69123-7.3	Gina Montenegro	Secured Storage	06/19/14 12:55	Return to Storage
JB69123-7.3	Secured Storage	Alfredo Crespo	06/23/14 07:14	Retrieve from Storage
JB69123-7.3	Alfredo Crespo	Secured Staging Area	06/23/14 07:15	Return to Storage
JB69123-7.3	Secured Staging Area	Darshananben Patel	06/23/14 08:35	Retrieve from Storage
JB69123-7.3	Darshananben Patel	Secured Storage	06/23/14 17:04	Return to Storage
JB69123-7.3	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-7.3.1	Gina Montenegro	Metals Digestion	06/19/14 09:56	Digestate from JB69123-7.3

Accutest Internal Chain of Custody

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/12/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69123-7.3.1	Metals Digestion	Gina Montenegro	06/19/14 09:57	Digestate from JB69123-7.3
JB69123-7.3.1	Gina Montenegro	Metals Digestate Storage	06/19/14 09:57	Return to Storage
JB69123-7.3.1	Metals Digestate Storage	Thomas Gabriel	06/23/14 13:47	Retrieve from Storage
JB69123-7.3.1	Thomas Gabriel	Metals Digestate Storage	06/23/14 16:50	Return to Storage
JB69123-7.3.1	Metals Digestate Storage		08/26/14 09:00	Disposed
JB69123-7.4	Secured Storage	Benjamin Mendez	06/19/14 14:33	Retrieve from Storage
JB69123-7.4	Benjamin Mendez	GCMS4V	06/19/14 14:33	Load on Instrument
JB69123-7.4	GCMS4V	Benjamin Mendez	06/20/14 10:40	Unload from Instrument
JB69123-7.4	Benjamin Mendez	Secured Storage	06/20/14 10:40	Return to Storage
JB69123-7.4	Shirley Grzybowski		07/21/14 08:44	Disposed
JB69123-8.1	Secured Storage	Benjamin Mendez	06/19/14 14:33	Retrieve from Storage
JB69123-8.1	Benjamin Mendez	GCMS4V	06/19/14 14:33	Load on Instrument
JB69123-8.1	GCMS4V	Benjamin Mendez	06/20/14 10:40	Unload from Instrument
JB69123-8.1	Benjamin Mendez	Secured Storage	06/20/14 10:40	Return to Storage
JB69123-8.1	Shirley Grzybowski		07/21/14 08:44	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: JB69123
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
V4V370-MB	4V8968.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

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: JB69123
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
V4V370-MB	4V8968.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	79-120%
17060-07-0	1,2-Dichloroethane-D4	107%	72-123%
2037-26-5	Toluene-D8	111%	78-119%
460-00-4	4-Bromofluorobenzene	109%	74-119%

Method Blank Summary

Job Number: JB69123
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
V3C4996-MB	3C110941.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
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
V3C4996-MB	3C110941.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	59-130%
17060-07-0	1,2-Dichloroethane-D4	100%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	120%	71-132%

Blank Spike Summary

Job Number: JB69123
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
V4V370-BS	4V8969.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	62.0	124	52-152
71-43-2	Benzene	50	53.5	107	80-121
74-97-5	Bromochloromethane	50	54.5	109	82-125
75-27-4	Bromodichloromethane	50	54.4	109	83-127
75-25-2	Bromoform	50	53.7	107	74-131
74-83-9	Bromomethane	50	48.0	96	45-155
78-93-3	2-Butanone (MEK)	50	57.5	115	67-136
75-15-0	Carbon disulfide	50	56.5	113	69-129
56-23-5	Carbon tetrachloride	50	57.7	115	77-138
108-90-7	Chlorobenzene	50	49.4	99	82-119
75-00-3	Chloroethane	50	65.3	131	61-151
67-66-3	Chloroform	50	55.5	111	79-124
74-87-3	Chloromethane	50	45.6	91	48-148
110-82-7	Cyclohexane	50	55.7	111	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	48.9	98	66-137
124-48-1	Dibromochloromethane	50	49.9	100	81-127
106-93-4	1,2-Dibromoethane	50	50.8	102	79-122
95-50-1	1,2-Dichlorobenzene	50	47.2	94	81-121
541-73-1	1,3-Dichlorobenzene	50	46.6	93	81-119
106-46-7	1,4-Dichlorobenzene	50	47.4	95	80-116
75-71-8	Dichlorodifluoromethane	50	39.8	80	33-161
75-34-3	1,1-Dichloroethane	50	58.3	117	78-129
107-06-2	1,2-Dichloroethane	50	57.9	116	75-133
75-35-4	1,1-Dichloroethene	50	59.9	120	74-128
156-59-2	cis-1,2-Dichloroethene	50	55.9	112	78-123
156-60-5	trans-1,2-Dichloroethene	50	56.4	113	75-122
78-87-5	1,2-Dichloropropane	50	57.7	115	80-124
10061-01-5	cis-1,3-Dichloropropene	50	48.6	97	75-114
10061-02-6	trans-1,3-Dichloropropene	50	50.6	101	78-123
100-41-4	Ethylbenzene	50	49.4	99	82-120
76-13-1	Freon 113	50	53.8	108	65-150
591-78-6	2-Hexanone	50	55.6	111	65-135
98-82-8	Isopropylbenzene	50	42.6	85	80-124
79-20-9	Methyl Acetate	50	52.1	104	53-137
108-87-2	Methylcyclohexane	50	53.1	106	62-142
1634-04-4	Methyl Tert Butyl Ether	100	110	110	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
V4V370-BS	4V8969.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	55.5	111	68-135
75-09-2	Methylene chloride	50	55.5	111	75-121
100-42-5	Styrene	50	50.8	102	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	71-123
127-18-4	Tetrachloroethene	50	47.7	95	69-141
108-88-3	Toluene	50	48.3	97	80-122
87-61-6	1,2,3-Trichlorobenzene	50	47.6	95	71-138
120-82-1	1,2,4-Trichlorobenzene	50	47.3	95	77-132
71-55-6	1,1,1-Trichloroethane	50	58.5	117	80-132
79-00-5	1,1,2-Trichloroethane	50	52.1	104	80-127
79-01-6	Trichloroethene	50	52.9	106	82-126
75-69-4	Trichlorofluoromethane	50	53.0	106	63-141
75-01-4	Vinyl chloride	50	49.9	100	53-135
	m,p-Xylene	100	96.8	97	81-121
95-47-6	o-Xylene	50	49.1	98	82-121
1330-20-7	Xylene (total)	150	146	97	82-121

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
V3C4996-BS	3C110942.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	53.6	107	50-147
71-43-2	Benzene	50	51.1	102	75-122
74-97-5	Bromochloromethane	50	55.9	112	77-127
75-27-4	Bromodichloromethane	50	56.0	112	79-132
75-25-2	Bromoform	50	57.4	115	76-134
74-83-9	Bromomethane	50	45.3	91	56-151
78-93-3	2-Butanone (MEK)	50	56.8	114	68-137
75-15-0	Carbon disulfide	50	51.5	103	70-129
56-23-5	Carbon tetrachloride	50	57.1	114	71-148
108-90-7	Chlorobenzene	50	51.4	103	78-120
75-00-3	Chloroethane	50	49.0	98	64-145
67-66-3	Chloroform	50	50.3	101	75-124
74-87-3	Chloromethane	50	49.9	100	51-139
110-82-7	Cyclohexane	50	54.7	109	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	56.8	114	69-134
124-48-1	Dibromochloromethane	50	58.6	117	79-130
106-93-4	1,2-Dibromoethane	50	58.2	116	80-122
95-50-1	1,2-Dichlorobenzene	50	51.7	103	76-118
541-73-1	1,3-Dichlorobenzene	50	52.0	104	75-120
106-46-7	1,4-Dichlorobenzene	50	50.5	101	73-116
75-71-8	Dichlorodifluoromethane	50	54.5	109	34-161
75-34-3	1,1-Dichloroethane	50	53.8	108	78-128
107-06-2	1,2-Dichloroethane	50	57.4	115	75-139
75-35-4	1,1-Dichloroethene	50	54.8	110	73-128
156-59-2	cis-1,2-Dichloroethene	50	55.4	111	76-123
156-60-5	trans-1,2-Dichloroethene	50	54.5	109	74-123
78-87-5	1,2-Dichloropropane	50	52.4	105	78-125
10061-01-5	cis-1,3-Dichloropropene	50	55.2	110	75-115
10061-02-6	trans-1,3-Dichloropropene	50	53.9	108	80-125
100-41-4	Ethylbenzene	50	51.2	102	75-122
76-13-1	Freon 113	50	49.4	99	60-155
591-78-6	2-Hexanone	50	52.6	105	69-134
98-82-8	Isopropylbenzene	50	53.8	108	73-123
79-20-9	Methyl Acetate	50	48.4	97	59-133
108-87-2	Methylcyclohexane	50	50.3	101	63-142
1634-04-4	Methyl Tert Butyl Ether	100	94.1	94	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
V3C4996-BS	3C110942.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	54.9	110	72-130
75-09-2	Methylene chloride	50	48.3	97	72-122
100-42-5	Styrene	50	56.6	113	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	56.7	113	70-117
127-18-4	Tetrachloroethene	50	51.6	103	70-136
108-88-3	Toluene	50	48.5	97	75-122
87-61-6	1,2,3-Trichlorobenzene	50	57.7	115	67-135
120-82-1	1,2,4-Trichlorobenzene	50	61.5	123	64-137
71-55-6	1,1,1-Trichloroethane	50	56.2	112	78-136
79-00-5	1,1,2-Trichloroethane	50	51.5	103	75-123
79-01-6	Trichloroethene	50	54.4	109	81-130
75-69-4	Trichlorofluoromethane	50	54.1	108	57-146
75-01-4	Vinyl chloride	50	49.8	100	55-133
	m,p-Xylene	100	105	105	75-122
95-47-6	o-Xylene	50	53.3	107	75-121
1330-20-7	Xylene (total)	150	158	105	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	59-130%
17060-07-0	1,2-Dichloroethane-D4	102%	65-123%
2037-26-5	Toluene-D8	105%	77-125%
460-00-4	4-Bromofluorobenzene	115%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
JB69115-3MS	4V8978.D	1	06/19/14	BM	n/a	n/a	V4V370
JB69115-3MSD	4V8979.D	1	06/19/14	BM	n/a	n/a	V4V370
JB69115-3	4V8973.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

CAS No.	Compound	JB69115-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	56.6	113	50	56.8	114	0	44-160/20
71-43-2	Benzene	1.8		50	47.6	92	50	46.8	90	2	50-136/12
74-97-5	Bromochloromethane	ND		50	50.8	102	50	50.4	101	1	74-131/11
75-27-4	Bromodichloromethane	ND		50	50.3	101	50	48.2	96	4	74-132/11
75-25-2	Bromoform	ND		50	45.2	90	50	44.5	89	2	68-136/12
74-83-9	Bromomethane	ND		50	47.0	94	50	46.7	93	1	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	54.7	109	50	53.4	107	2	60-145/15
75-15-0	Carbon disulfide	ND		50	43.5	87	50	44.0	88	1	37-143/17
56-23-5	Carbon tetrachloride	ND		50	47.0	94	50	47.4	95	1	46-152/17
108-90-7	Chlorobenzene	ND		50	45.0	90	50	43.5	87	3	70-127/12
75-00-3	Chloroethane	ND		50	52.5	105	50	52.2	104	1	44-147/16
67-66-3	Chloroform	ND		50	49.9	100	50	48.9	98	2	67-129/12
74-87-3	Chloromethane	ND		50	49.2	98	50	48.8	98	1	40-149/19
110-82-7	Cyclohexane	ND		50	43.8	88	50	44.6	89	2	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	47.7	95	50	47.2	94	1	61-144/14
124-48-1	Dibromochloromethane	ND		50	48.6	97	50	47.1	94	3	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	46.7	93	50	45.7	91	2	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		50	45.0	90	50	43.1	86	4	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		50	43.7	87	50	42.0	84	4	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		50	43.4	87	50	42.0	84	3	71-123/12
75-71-8	Dichlorodifluoromethane	ND		50	49.6	99	50	48.3	97	3	20-161/25
75-34-3	1,1-Dichloroethane	ND		50	50.9	102	50	50.9	102	0	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	54.2	108	50	52.0	104	4	68-137/11
75-35-4	1,1-Dichloroethene	ND		50	47.4	95	50	47.7	95	1	40-143/17
156-59-2	cis-1,2-Dichloroethene	ND		50	51.1	102	50	50.4	101	1	59-133/12
156-60-5	trans-1,2-Dichloroethene	ND		50	49.6	99	50	49.3	99	1	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	52.1	104	50	50.6	101	3	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	47.3	95	50	47.7	95	1	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	47.5	95	50	48.7	97	2	72-128/11
100-41-4	Ethylbenzene	ND		50	45.1	90	50	43.1	86	5	49-137/13
76-13-1	Freon 113	ND		50	49.1	98	50	49.0	98	0	32-161/23
591-78-6	2-Hexanone	ND		50	48.2	96	50	51.6	103	7	59-145/14
98-82-8	Isopropylbenzene	ND		50	48.3	97	50	44.0	88	9	57-136/14
79-20-9	Methyl Acetate	ND		50	59.4	119	50	60.1	120	1	46-148/15
108-87-2	Methylcyclohexane	ND		50	47.4	95	50	48.6	97	3	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		50	50.6	101	50	51.1	102	1	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
JB69115-3MS	4V8978.D	1	06/19/14	BM	n/a	n/a	V4V370
JB69115-3MSD	4V8979.D	1	06/19/14	BM	n/a	n/a	V4V370
JB69115-3	4V8973.D	1	06/19/14	BM	n/a	n/a	V4V370

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

JB69123-7, JB69123-8

CAS No.	Compound	JB69115-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	54.0	108	50	53.6	107	1	63-144/13
75-09-2	Methylene chloride	ND		50	48.7	97	50	49.1	98	1	64-128/11
100-42-5	Styrene	ND		50	42.7	85	50	41.4	83	3	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	49.0	98	50	46.3	93	6	68-131/11
127-18-4	Tetrachloroethene	ND		50	46.0	92	50	43.4	87	6	48-143/15
108-88-3	Toluene	ND		50	45.0	90	50	44.5	89	1	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.6	99	50	47.0	94	5	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.1	96	50	46.0	92	4	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		50	49.4	99	50	48.5	97	2	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	49.0	98	50	50.3	101	3	73-130/10
79-01-6	Trichloroethene	ND		50	47.1	94	50	44.7	89	5	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	50.7	101	50	49.9	100	2	33-159/25
75-01-4	Vinyl chloride	ND		50	50.2	100	50	49.3	99	2	36-149/19
	m,p-Xylene	ND		100	87.5	88	100	83.8	84	4	50-137/12
95-47-6	o-Xylene	ND		50	46.8	94	50	44.2	88	6	60-134/12
1330-20-7	Xylene (total)	ND		150	134	89	150	128	85	5	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB69115-3	Limits
1868-53-7	Dibromofluoromethane	111%	111%	108%	79-120%
17060-07-0	1,2-Dichloroethane-D4	111%	105%	102%	72-123%
2037-26-5	Toluene-D8	103%	106%	105%	78-119%
460-00-4	4-Bromofluorobenzene	105%	103%	102%	74-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
JB69374-1MS	3C110951.D	1	06/22/14	PS	n/a	n/a	V3C4996
JB69374-1MSD	3C110952.D	1	06/22/14	PS	n/a	n/a	V3C4996
JB69374-1	3C110948.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

CAS No.	Compound	JB69374-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	9.9		46.1	62.1	113	46.9	62.8	113	1	10-181/30
71-43-2	Benzene	ND		46.1	45.0	98	46.9	47.1	100	5	45-131/22
74-97-5	Bromochloromethane	ND		46.1	45.7	99	46.9	47.2	101	3	50-131/21
75-27-4	Bromodichloromethane	ND		46.1	46.9	102	46.9	49.0	105	4	44-138/22
75-25-2	Bromoform	ND		46.1	43.8	95	46.9	45.2	96	3	34-140/24
74-83-9	Bromomethane	ND		46.1	43.2	94	46.9	44.0	94	2	18-152/31
78-93-3	2-Butanone (MEK)	ND		46.1	51.1	111	46.9	52.0	111	2	25-156/27
75-15-0	Carbon disulfide	ND		46.1	47.3	103	46.9	48.4	103	2	28-139/25
56-23-5	Carbon tetrachloride	ND		46.1	50.7	110	46.9	54.4	116	7	33-153/25
108-90-7	Chlorobenzene	ND		46.1	44.8	97	46.9	47.7	102	6	34-138/24
75-00-3	Chloroethane	ND		46.1	46.2	100	46.9	47.8	102	3	26-142/27
67-66-3	Chloroform	ND		46.1	45.3	98	46.9	46.3	99	2	51-129/21
74-87-3	Chloromethane	ND		46.1	48.1	104	46.9	48.3	103	0	34-134/24
110-82-7	Cyclohexane	ND		46.1	57.4	124	46.9	50.9	109	12	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		46.1	37.9	82	46.9	40.6	87	7	22-145/29
124-48-1	Dibromochloromethane	ND		46.1	46.5	101	46.9	49.3	105	6	41-137/22
106-93-4	1,2-Dibromoethane	ND		46.1	43.9	95	46.9	45.5	97	4	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		46.1	42.6	92	46.9	44.6	95	5	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		46.1	44.4	96	46.9	46.4	99	4	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		46.1	43.0	93	46.9	45.3	97	5	20-140/27
75-71-8	Dichlorodifluoromethane	ND		46.1	54.1	117	46.9	55.2	118	2	10-156/30
75-34-3	1,1-Dichloroethane	ND		46.1	49.7	108	46.9	50.4	107	1	50-130/22
107-06-2	1,2-Dichloroethane	ND		46.1	46.2	100	46.9	47.8	102	3	49-136/21
75-35-4	1,1-Dichloroethene	ND		46.1	50.4	109	46.9	52.4	112	4	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		46.1	49.3	107	46.9	50.7	108	3	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		46.1	50.2	109	46.9	52.0	111	4	41-131/22
78-87-5	1,2-Dichloropropane	ND		46.1	44.7	97	46.9	46.9	100	5	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		46.1	45.3	98	46.9	48.3	103	6	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		46.1	42.9	93	46.9	45.0	96	5	37-137/23
100-41-4	Ethylbenzene	ND		46.1	45.8	99	46.9	48.5	103	6	30-139/26
76-13-1	Freon 113	ND		46.1	44.8	97	46.9	49.1	105	9	16-157/27
591-78-6	2-Hexanone	ND		46.1	46.3	100	46.9	44.1	94	5	19-155/29
98-82-8	Isopropylbenzene	ND		46.1	47.5	103	46.9	50.6	108	6	26-141/26
79-20-9	Methyl Acetate	ND		46.1	37.2	81	46.9	38.1	81	2	17-179/29
108-87-2	Methylcyclohexane	ND		46.1	44.5	96	46.9	49.0	105	10	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		46.1	38.2	83	46.9	39.2	84	3	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
JB69374-1MS	3C110951.D	1	06/22/14	PS	n/a	n/a	V3C4996
JB69374-1MSD	3C110952.D	1	06/22/14	PS	n/a	n/a	V3C4996
JB69374-1	3C110948.D	1	06/22/14	PS	n/a	n/a	V3C4996

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

JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

CAS No.	Compound	JB69374-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		46.1	36.4	79	46.9	38.0	81	4	31-140/25
75-09-2	Methylene chloride	ND		46.1	41.5	90	46.9	42.9	91	3	44-127/21
100-42-5	Styrene	ND		46.1	48.9	106	46.9	51.5	110	5	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		46.1	41.6	90	46.9	41.7	89	0	30-131/27
127-18-4	Tetrachloroethene	ND		46.1	51.0	111	46.9	55.1	118	8	15-183/26
108-88-3	Toluene	ND		46.1	43.0	93	46.9	45.3	97	5	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		46.1	46.7	101	46.9	48.6	104	4	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		46.1	50.4	109	46.9	52.8	113	5	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		46.1	50.2	109	46.9	53.1	113	6	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		46.1	38.8	84	46.9	41.4	88	6	37-135/25
79-01-6	Trichloroethene	ND		46.1	49.1	106	46.9	52.0	111	6	29-161/23
75-69-4	Trichlorofluoromethane	ND		46.1	52.7	114	46.9	53.8	115	2	14-160/29
75-01-4	Vinyl chloride	ND		46.1	48.7	106	46.9	50.0	107	3	31-140/24
	m,p-Xylene	ND		92.3	93.7	102	93.8	99.6	106	6	29-140/26
95-47-6	o-Xylene	ND		46.1	46.9	102	46.9	49.7	106	6	31-140/24
1330-20-7	Xylene (total)	ND		138	141	102	141	149	106	6	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB69374-1	Limits
1868-53-7	Dibromofluoromethane	109%	106%	109%	59-130%
17060-07-0	1,2-Dichloroethane-D4	103%	94%	105%	65-123%
2037-26-5	Toluene-D8	104%	104%	103%	77-125%
460-00-4	4-Bromofluorobenzene	115%	113%	116%	71-132%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8958	20.2		Pass
75	30.0 - 60.0% of mass 95	22392	50.5		Pass
95	Base peak, 100% relative abundance	44384	100.0		Pass
96	5.0 - 9.0% of mass 95	2978	6.71		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	31696	71.4		Pass
175	5.0 - 9.0% of mass 174	2537	5.72	(8.00) [a]	Pass
176	95.0 - 101.0% of mass 174	31026	69.9	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2023	4.56	(6.52) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C4989-IC4989	3C110759.D	06/17/14	18:16	00:39	Initial cal 0.2
V3C4989-IC4989	3C110760.D	06/17/14	18:44	01:07	Initial cal 0.5
V3C4989-IC4989	3C110761.D	06/17/14	19:12	01:35	Initial cal 1
V3C4989-IC4989	3C110762.D	06/17/14	19:40	02:03	Initial cal 2
V3C4989-IC4989	3C110763.D	06/17/14	20:07	02:30	Initial cal 5
V3C4989-IC4989	3C110764.D	06/17/14	20:35	02:58	Initial cal 10
V3C4989-IC4989	3C110765.D	06/17/14	21:03	03:26	Initial cal 20
V3C4989-ICC4989	3C110766.D	06/17/14	21:31	03:54	Initial cal 50
V3C4989-IC4989	3C110767.D	06/17/14	21:59	04:22	Initial cal 100
V3C4989-IC4989	3C110768.D	06/17/14	22:26	04:49	Initial cal 200
V3C4989-ICV4989	3C110771.D	06/17/14	23:49	06:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3C4996-BFB	**Injection Date:**	06/22/14
Lab File ID:	3C110937.D	**Injection Time:**	10:55
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6745	24.0		Pass
75	30.0 - 60.0% of mass 95	15592	55.5		Pass
95	Base peak, 100% relative abundance	28101	100.0		Pass
96	5.0 - 9.0% of mass 95	2035	7.24		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	18616	66.2		Pass
175	5.0 - 9.0% of mass 174	1411	5.02	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	18145	64.6	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1181	4.20	(6.51) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C4996-CC4989	3C110939.D	06/22/14	12:12	01:17	Continuing cal 20
V3C4996-MB	3C110941.D	06/22/14	13:20	02:25	Method Blank
V3C4996-BS	3C110942.D	06/22/14	13:48	02:53	Blank Spike
JB69123-1	3C110944.D	06/22/14	14:56	04:01	345-PE-24
JB69123-2	3C110945.D	06/22/14	15:23	04:28	346-PE-25
JB69123-3	3C110946.D	06/22/14	15:51	04:56	347-DUP-5
JB69123-4	3C110947.D	06/22/14	16:19	05:24	348-PE-11
JB69374-1	3C110948.D	06/22/14	16:47	05:52	(used for QC only; not part of job JB69123)
JB69123-6	3C110949.D	06/22/14	17:14	06:19	350-PE-10
JB69123-5	3C110950.D	06/22/14	17:42	06:47	349-PE-9
JB69374-1MS	3C110951.D	06/22/14	18:10	07:15	Matrix Spike
JB69374-1MSD	3C110952.D	06/22/14	18:37	07:42	Matrix Spike Duplicate
ZZZZZZ	3C110954.D	06/22/14	19:33	08:38	(unrelated sample)
ZZZZZZ	3C110955.D	06/22/14	20:00	09:05	(unrelated sample)
ZZZZZZ	3C110956.D	06/22/14	20:28	09:33	(unrelated sample)
ZZZZZZ	3C110957.D	06/22/14	20:56	10:01	(unrelated sample)
ZZZZZZ	3C110958.D	06/22/14	21:24	10:29	(unrelated sample)
ZZZZZZ	3C110959.D	06/22/14	21:52	10:57	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8885	15.9		Pass
75	30.0 - 60.0% of mass 95	24259	43.4		Pass
95	Base peak, 100% relative abundance	55909	100.0		Pass
96	5.0 - 9.0% of mass 95	3676	6.57		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	48363	86.5		Pass
175	5.0 - 9.0% of mass 174	3730	6.67	(7.71) [a]	Pass
176	95.0 - 101.0% of mass 174	46987	84.0	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3058	5.47	(6.51) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4V368-IC368	4V8913.D	06/17/14	11:27	00:31	Initial cal 5
V4V368-IC368	4V8914.D	06/17/14	11:53	00:57	Initial cal 2
V4V368-IC368	4V8915.D	06/17/14	12:19	01:23	Initial cal 1
V4V368-IC368	4V8916.D	06/17/14	12:46	01:50	Initial cal 0.5
V4V368-IC368	4V8917.D	06/17/14	13:12	02:16	Initial cal 0.2
V4V368-IC368	4V8918.D	06/17/14	13:38	02:42	Initial cal 10
V4V368-IC368	4V8919.D	06/17/14	14:05	03:09	Initial cal 20
V4V368-ICC368	4V8920.D	06/17/14	14:31	03:35	Initial cal 50
V4V368-IC368	4V8921.D	06/17/14	14:58	04:02	Initial cal 100
V4V368-IC368	4V8922.D	06/17/14	15:24	04:28	Initial cal 200
V4V368-ICV368	4V8925.D	06/17/14	16:43	05:47	Initial cal verification 50
ZZZZZZ	4V8928.D	06/17/14	18:03	07:07	(unrelated sample)
ZZZZZZ	4V8929.D	06/17/14	18:29	07:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V4V370-BFB	**Injection Date:**	06/19/14
Lab File ID:	4V8965.D	**Injection Time:**	08:26
Instrument ID:	GCMS4V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10884	16.2		Pass
75	30.0 - 60.0% of mass 95	29088	43.3		Pass
95	Base peak, 100% relative abundance	67187	100.0		Pass
96	5.0 - 9.0% of mass 95	4322	6.43		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	55203	82.2		Pass
175	5.0 - 9.0% of mass 174	4128	6.14	(7.48) [a]	Pass
176	95.0 - 101.0% of mass 174	53947	80.3	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3481	5.18	(6.45) [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
V4V370-CC368	4V8966.D	06/19/14	08:55	00:29	Continuing cal 20
V4V370-MB	4V8968.D	06/19/14	09:55	01:29	Method Blank
V4V370-BS	4V8969.D	06/19/14	10:23	01:57	Blank Spike
ZZZZZZ	4V8971.D	06/19/14	11:15	02:49	(unrelated sample)
ZZZZZZ	4V8972.D	06/19/14	11:41	03:15	(unrelated sample)
JB69115-3	4V8973.D	06/19/14	12:08	03:42	(used for QC only; not part of job JB69123)
ZZZZZZ	4V8974.D	06/19/14	12:34	04:08	(unrelated sample)
ZZZZZZ	4V8975.D	06/19/14	13:00	04:34	(unrelated sample)
ZZZZZZ	4V8976.D	06/19/14	13:27	05:01	(unrelated sample)
ZZZZZZ	4V8977.D	06/19/14	13:53	05:27	(unrelated sample)
JB69115-3MS	4V8978.D	06/19/14	14:19	05:53	Matrix Spike
JB69115-3MSD	4V8979.D	06/19/14	14:46	06:20	Matrix Spike Duplicate
ZZZZZZ	4V8980.D	06/19/14	15:12	06:46	(unrelated sample)
ZZZZZZ	4V8981.D	06/19/14	15:38	07:12	(unrelated sample)
ZZZZZZ	4V8982.D	06/19/14	16:05	07:39	(unrelated sample)
ZZZZZZ	4V8983.D	06/19/14	16:31	08:05	(unrelated sample)
ZZZZZZ	4V8984.D	06/19/14	16:57	08:31	(unrelated sample)
ZZZZZZ	4V8985.D	06/19/14	17:24	08:58	(unrelated sample)
ZZZZZZ	4V8986.D	06/19/14	17:50	09:24	(unrelated sample)
JB69123-7	4V8987.D	06/19/14	18:16	09:50	351-FB-13
JB69123-8	4V8988.D	06/19/14	18:43	10:17	352-TB-12
ZZZZZZ	4V8989.D	06/19/14	19:09	10:43	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3C4996-CC4989	**Injection Date:**	06/22/14
Lab File ID:	3C110939.D	**Injection Time:**	12:12
Instrument ID:	GCMS3C	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	39810	7.30	90739	9.54	123587	10.45	81062	13.58	32004	15.88
Upper Limit [a]	79620	7.80	181478	10.04	247174	10.95	162124	14.08	64008	16.38
Lower Limit [b]	19905	6.80	45370	9.04	61794	9.95	40531	13.08	16002	15.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C4996-MB	32271	7.31	87580	9.54	118731	10.46	77331	13.59	27978	15.88
V3C4996-BS	40194	7.30	85178	9.54	115253	10.46	76960	13.59	30876	15.88
JB69123-1	41177	7.30	75385	9.54	102675	10.46	65774	13.59	23475	15.88
JB69123-2	52059	7.30	80948	9.54	111879	10.46	70690	13.59	24762	15.88
JB69123-3	48909	7.30	85368	9.54	115949	10.46	75960	13.59	28740	15.88
JB69123-4	29958	7.30	84779	9.54	115216	10.46	71372	13.59	24102	15.88
JB69374-1	38011	7.30	87226	9.54	118589	10.46	78903	13.59	29772	15.88
JB69123-6	38717	7.30	85992	9.54	118016	10.46	77037	13.59	27354	15.88
JB69123-5	37309	7.31	84227	9.54	115438	10.46	76202	13.59	29709	15.88
JB69374-1MS	34694	7.31	93595	9.54	128444	10.46	84333	13.59	34105	15.88
JB69374-1MSD	31848	7.31	90593	9.54	122049	10.46	79715	13.59	32392	15.88
ZZZZZZ	32412	7.31	83104	9.54	111473	10.46	73782	13.59	27838	15.88
ZZZZZZ	39738	7.30	92368	9.54	126044	10.46	82915	13.59	32418	15.88
ZZZZZZ	35385	7.31	89820	9.54	121183	10.46	78647	13.59	29528	15.88
ZZZZZZ	39189	7.30	93309	9.54	125989	10.46	85370	13.59	35408	15.88
ZZZZZZ	35722	7.30	86099	9.54	117109	10.46	77919	13.59	32427	15.88
ZZZZZZ	43766	7.31	98946	9.54	135474	10.46	88110	13.59	35896	15.89

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

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

Volatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V4V370-CC368	**Injection Date:**	06/19/14
Lab File ID:	4V8966.D	**Injection Time:**	08:55
Instrument ID:	GCMS4V	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	132455	7.46	147916	9.93	191201	10.90	186986	14.10	122300	16.45
Upper Limit [a]	264910	7.96	295832	10.43	382402	11.40	373972	14.60	244600	16.95
Lower Limit [b]	66228	6.96	73958	9.43	95601	10.40	93493	13.60	61150	15.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4V370-MB	145382	7.47	171993	9.94	251499	10.90	245448	14.10	133593	16.45
V4V370-BS	136814	7.46	150452	9.94	198520	10.90	180014	14.10	121589	16.45
ZZZZZZ	138118	7.45	148344	9.94	188025	10.90	172373	14.10	109120	16.45
ZZZZZZ	128934	7.46	149724	9.94	202369	10.90	189031	14.10	120030	16.45
JB69115-3	132904	7.48	154765	9.94	202851	10.90	181284	14.10	112071	16.45
ZZZZZZ	129748	7.47	147614	9.94	188749	10.90	186796	14.10	119365	16.45
ZZZZZZ	139569	7.46	145891	9.94	185590	10.90	174907	14.10	116428	16.45
ZZZZZZ	133418	7.46	152704	9.94	212444	10.90	194661	14.10	117771	16.45
ZZZZZZ	133778	7.46	150087	9.94	193148	10.90	166334	14.10	101409	16.45
JB69115-3MS	139246	7.47	158737	9.94	217133	10.90	187170	14.10	106079	16.45
JB69115-3MSD	143520	7.47	159707	9.94	211248	10.90	192609	14.10	112189	16.45
ZZZZZZ	134304	7.45	149777	9.93	186125	10.90	185886	14.10	120424	16.45
ZZZZZZ	135272	7.45	152238	9.94	193721	10.90	179194	14.10	117743	16.45
ZZZZZZ	133385	7.46	166231	9.94	226846	10.90	202491	14.10	124765	16.45
ZZZZZZ	141496	7.46	151132	9.94	193582	10.90	171238	14.10	113663	16.45
ZZZZZZ	134474	7.46	144248	9.93	184210	10.90	183838	14.10	114726	16.45
ZZZZZZ	137989	7.46	149517	9.94	199220	10.90	191103	14.10	120221	16.45
ZZZZZZ	132932	7.45	144079	9.94	182696	10.90	183208	14.10	119840	16.45
JB69123-7	140227	7.46	147432	9.94	194291	10.90	182321	14.10	115380	16.45
JB69123-8	136223	7.47	148296	9.94	189883	10.90	188581	14.10	115854	16.45
ZZZZZZ	139294	7.46	145429	9.94	182090	10.90	183993	14.10	120177	16.45

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

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

Volatile Surrogate Recovery Summary

Job Number: JB69123
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
JB69123-7	4V8987.D	110	106	107	103
JB69123-8	4V8988.D	109	105	106	106
JB69115-3MS	4V8978.D	111	111	103	105
JB69115-3MSD	4V8979.D	111	105	106	103
V4V370-BS	4V8969.D	109	107	98	99
V4V370-MB	4V8968.D	100	107	111	109

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: JB69123
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
JB69123-1	3C110944.D	107	107	102	123
JB69123-2	3C110945.D	114	118	101	130
JB69123-3	3C110946.D	111	111	103	121
JB69123-4	3C110947.D	107	99	101	125
JB69123-5	3C110950.D	110	107	105	119
JB69123-6	3C110949.D	113	114	103	126
JB69374-1MS	3C110951.D	109	103	104	115
JB69374-1MSD	3C110952.D	106	94	104	113
V3C4996-BS	3C110942.D	109	102	105	115
V3C4996-MB	3C110941.D	106	100	102	120

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: JB69123 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3C

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

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

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

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

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V3C4989-ICC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110766.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

6.7.1

6

Initial Calibration Verification

Job Number: JB69123 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	105	0.00	7.30
2		1,4-dioxane	0.105	0.100	4.8	98	0.00	11.17
3		tertiary butyl alcohol	1.662	1.486	10.6	97	0.00	7.42
4		ethanol		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	9.54
6		chlorodifluoromethane	0.628	0.467	25.6#	80	0.00	3.97
7		dichlorodifluoromethane	0.696	0.650	6.6	100	-0.01	3.97
8		chloromethane	0.862	0.843	2.2	108	0.00	4.30
9		vinyl chloride	0.710	0.670	5.6	104	0.00	4.55
10		bromomethane	0.367	0.334	9.0	103	0.00	5.19
11		chloroethane	0.324	0.312	3.7	103	0.00	5.37
12		Vinyl Bromide		----------NA----------				
13		Pentane		----------NA----------				
14		trichlorofluoromethane	0.747	0.688	7.9	100	-0.01	5.80
15		ethyl ether	0.292	0.290	0.7	97	-0.01	6.21
16		acrolein	0.097	0.093	4.1	96	0.00	6.47
17		1,1-dichloroethene	0.892	0.847	5.0	99	0.00	6.64
18		acetone	0.063	0.054	14.3	73	0.00	6.69
19		allyl chloride	0.290	0.275	5.2	99	0.00	7.17
20		acetonitrile	0.050	0.050	0.0	104	0.00	7.11
21		iodomethane	0.704	0.683	3.0	100	0.00	6.92
22		iso-butyl alcohol	0.021	0.020	4.8	95	0.00	9.82
23		carbon disulfide	1.818	1.655	9.0	99	0.00	7.05
24		methylene chloride	0.587	0.534	9.0	100	0.00	7.35
25		methyl acetate	0.071	0.066	7.0	87	0.00	7.15
26		methyl tert butyl ether	1.678	1.580	5.8	96	0.00	7.68
27		trans-1,2-dichloroethene	0.919	0.886	3.6	99	0.00	7.73
28		di-isopropyl ether	2.304	2.281	1.0	97	0.00	8.27
29		ethyl tert-butyl ether	2.045	1.971	3.6	94	0.00	8.74
30		2-butanone	0.060	0.055	8.3	83	0.00	9.00
31		1,1-dichloroethane	1.082	1.050	3.0	98	0.00	8.29
32		chloroprene	0.923	0.852	7.7	89	0.00	8.40
33		acrylonitrile	0.179	0.179	0.0	97	0.00	7.67
34		vinyl acetate	0.079	0.084	-6.3	106	0.00	8.28
35		ethyl acetate	0.073	0.076	-4.1	96	0.00	9.01
36		2,2-dichloropropane	0.906	0.868	4.2	100	0.00	9.03
37		cis-1,2-dichloroethene	1.070	1.062	0.7	98	0.00	9.02
38		propionitrile	0.069	0.069	0.0	95	0.00	9.08
		----------	True	Calc.	% Drift	----------		
39		Methyl Acrylate	50.000	45.783	8.4	92	0.00	9.09

Initial Calibration Verification

Job Number: JB69123 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

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

Initial Calibration Verification

Job Number: JB69123 **Sample:** V3C4989-ICV4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110771.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V3C4996-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110939.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\3C110939.D Vial: 3
Acq On : 22 Jun 2014 12:12 pm Operator: prashans
Sample : CC4989-20 Inst : MS3C
Misc : MS69087,V3C4996,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	72	0.00	7.30
2		1,4-dioxane	0.105	0.102	2.9	71	0.00	11.18
3		tertiary butyl alcohol	1.662	1.685	-1.4	77	0.00	7.43
4		ethanol		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	68	0.00	9.54
6		chlorodifluoromethane	0.628	0.779	-24.0#	87	0.00	3.98
7		dichlorodifluoromethane	0.696	0.817	-17.4	80	0.00	3.97
8		chloromethane	0.862	0.876	-1.6	72	0.00	4.30
9		vinyl chloride	0.710	0.738	-3.9	72	0.00	4.55
10		bromomethane	0.367	0.369	-0.5	70	0.00	5.21
11		chloroethane	0.324	0.337	-4.0	70	0.00	5.38
12		Vinyl Bromide		----------NA----------				
13		Pentane		----------NA----------				
14		trichlorofluoromethane	0.747	0.841	-12.6	77	0.00	5.80
15		ethyl ether	0.292	0.316	-8.2	72	0.00	6.22
16		acrolein	0.097	0.099	-2.1	72	0.00	6.47
17		1,1-dichloroethene	0.892	1.031	-15.6	78	0.00	6.64
18		acetone	0.063	0.073	-15.9	74	0.00	6.68
19		allyl chloride	0.290	0.319	-10.0	75	0.00	7.17
20		acetonitrile	0.050	0.050	0.0	71	0.00	7.11
21		iodomethane	0.704	0.791	-12.4	75	0.00	6.92
22		iso-butyl alcohol	0.021	0.023	-9.5	78	0.00	9.82
23		carbon disulfide	1.818	1.927	-6.0	74	0.00	7.05
24		methylene chloride	0.587	0.571	2.7	67	0.00	7.35
25		methyl acetate	0.071	0.073	-2.8	71	0.00	7.15
26		methyl tert butyl ether	1.678	1.620	3.5	67	0.00	7.68
27		trans-1,2-dichloroethene	0.919	1.042	-13.4	76	0.00	7.73
28		di-isopropyl ether	2.304	2.426	-5.3	71	0.00	8.27
29		ethyl tert-butyl ether	2.045	2.085	-2.0	69	0.00	8.74
30		2-butanone	0.060	0.067	-11.7	74	0.00	9.00
31		1,1-dichloroethane	1.082	1.214	-12.2	75	0.00	8.29
32		chloroprene	0.923	1.091	-18.2	78	0.00	8.40
33		acrylonitrile	0.179	0.177	1.1	65	0.00	7.67
34		vinyl acetate	0.079	0.076	3.8	67	0.00	8.28
35		ethyl acetate	0.073	0.075	-2.7	73	0.00	9.01
36		2,2-dichloropropane	0.906	1.091	-20.4#	80	0.00	9.03
37		cis-1,2-dichloroethene	1.070	1.217	-13.7	74	0.00	9.02
38		propionitrile	0.069	0.069	0.0	66	0.00	9.08
		----------	True	Calc.	% Drift	----------		
39		Methyl Acrylate	20.000	20.615	-3.1	70	0.00	9.08

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V3C4996-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110939.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			AvgRF	CCRF	% Dev			
40		bromochloromethane	0.216	0.236	-9.3	72	0.00	9.33
41		tetrahydrofuran	0.061	0.061	0.0	68	0.00	9.38
42		chloroform	1.023	1.049	-2.5	73	0.00	9.39
43		tert-Butyl Formate	0.466	0.500	-7.3	74	0.00	9.42
44	S	dibromofluoromethane (s)	0.455	0.502	-10.3	79	0.00	9.58
45	S	1,2-dichloroethane-d4 (s)	0.670	0.677	-1.0	74	0.00	10.01
46		freon 113	0.349	0.391	-12.0	82	0.00	6.61
47		methacrylonitrile	0.331	0.326	1.5	69	0.00	9.27
48		1,1,1-trichloroethane	0.839	0.964	-14.9	78	0.00	9.65
49		Cyclohexane	0.821	0.923	-12.4	76	0.00	9.72
50		Tert Amyl Alcohol		----------NA----------				
51		2,2,4-trimethylpentane	2.581	2.840	-10.0	76	0.00	10.08
52		tert-amyl methyl ether	1.808	1.736	4.0	70	0.00	10.12
53	I	1,4-difluorobenzene	1.000	1.000	0.0	68	0.00	10.45
54		epichlorohydrin	0.035	0.035	0.0	69	0.00	11.71

			True	Calc.	% Drift			
55		n-butyl alcohol	1000.000	1020.443	-2.0	68	0.00	10.57

			AvgRF	CCRF	% Dev			
56		carbon tetrachloride	0.518	0.593	-14.5	78	0.00	9.85
57		1,1-dichloropropene	0.567	0.636	-12.2	77	0.00	9.82
58		hexane	0.640	0.724	-13.1	77	0.00	8.03
59		benzene	1.667	1.751	-5.0	72	0.00	10.09
60		heptane	0.393	0.430	-9.4	76	0.00	10.26
61		isopropyl acetate	0.070	0.074	-5.7	71	0.00	10.00
62		1,2-dichloroethane	0.554	0.616	-11.2	73	0.00	10.10
63		trichloroethene	0.383	0.427	-11.5	75	0.00	10.80
64		ethyl acrylate		----------NA----------				
65		Tert-Amyl ethyl ether		----------NA----------				
66		2-nitropropane	0.147	0.147	0.0	69	0.00	11.56
67		2-chloroethyl vinyl ether	0.149	0.142	4.7	61	0.00	11.58
68		methyl methacrylate	0.073	0.070	4.1	66	0.00	11.06
69		1,2-dichloropropane	0.443	0.455	-2.7	68	0.00	11.06
70		methylcyclohexane	0.699	0.784	-12.2	79	0.00	11.02
71		dibromomethane	0.195	0.207	-6.2	70	0.00	11.23
72		bromodichloromethane	0.497	0.544	-9.5	71	0.00	11.35
73		cis-1,3-dichloropropene	0.604	0.642	-6.3	67	0.00	11.80
74	S	toluene-d8 (s)	1.295	1.342	-3.6	73	0.00	12.09
75		4-methyl-2-pentanone	0.135	0.130	3.7	65	0.00	11.89
76		toluene	1.586	1.557	1.8	67	0.00	12.17

			True	Calc.	% Drift			
77		3-methyl-1-butanol	400.000	403.277	-0.8	68	0.00	11.91

			AvgRF	CCRF	% Dev			
78		trans-1,3-dichloropropene	0.543	0.556	-2.4	66	0.00	12.36
79		ethyl methacrylate	0.415	0.401	3.4	63	0.00	12.35
80		1,1,2-trichloroethane	0.253	0.241	4.7	62	0.00	12.57
81		2-hexanone	0.120	0.119	0.8	68	0.00	12.74
82	I	chlorobenzene-d5	1.000	1.000	0.0	60	0.00	13.58
83		tetrachloroethene	0.460	0.492	-7.0	65	0.00	12.75
84		1,3-dichloropropane	0.665	0.749	-12.6	65	0.00	12.75
85		butyl acetate	0.290	0.318	-9.7	65	0.00	12.81
86		dibromochloromethane	0.383	0.426	-11.2	66	0.00	13.01
87		1,2-dibromoethane	0.322	0.358	-11.2	65	0.00	13.16

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V3C4996-CC4989
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3C110939.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
88		3,3-Dimethyl-1-Butanol	200.000	209.538	-4.8	67	0.00	12.90
			AvgRF	CCRF	% Dev			
89		chlorobenzene	1.192	1.226	-2.9	63	0.00	13.62
90		1,1,1,2-tetrachloroethane	0.415	0.461	-11.1	67	0.00	13.68
91		ethylbenzene	2.275	2.402	-5.6	65	0.00	13.67
92		m,p-xylene	0.791	0.852	-7.7	65	0.00	13.78
93		o-xylene	1.799	1.916	-6.5	64	0.00	14.19
94		styrene	1.130	1.225	-8.4	62	0.00	14.20
95		BUTYL ACRYLATE		----------NA----------				
96		bromoform	0.227	0.239	-5.3	62	0.00	14.46
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	57	0.00	15.88
98		isopropylbenzene	4.952	5.460	-10.3	64	0.00	14.53
99	S	4-bromofluorobenzene (s)	1.513	1.753	-15.9	69	0.00	14.73
100		bromobenzene	1.037	1.147	-10.6	62	0.00	14.92
101		cyclohexanone	0.224	0.289	-29.0#	71	0.00	14.69
102		1,1,2,2-tetrachloroethane	1.082	1.181	-9.1	61	0.00	14.82
103		trans-1,4-dichloro-2-bute	0.338	0.391	-15.7	66	0.00	14.87
104		1,2,3-trichloropropane	0.266	0.303	-13.9	64	0.00	14.90
105		n-propylbenzene	5.512	6.234	-13.1	64	0.00	14.93
106		4-Ethyltoluene		----------NA----------				
107		2-chlorotoluene	1.071	1.189	-11.0	62	0.00	15.07
108		4-chlorotoluene	1.087	1.188	-9.3	64	0.00	15.17
109		1,3,5-trimethylbenzene	4.100	4.578	-11.7	65	0.00	15.08
110		tert-butylbenzene	3.345	3.637	-8.7	62	0.00	15.43
111		pentachloroethane	0.620	0.714	-15.2	64	0.00	15.50
112		1,2,4-trimethylbenzene	4.006	4.316	-7.7	63	0.00	15.47
113		sec-butylbenzene	5.028	5.537	-10.1	62	0.00	15.63
114		1,3-dichlorobenzene	2.044	2.099	-2.7	60	0.00	15.82
115		p-isopropyltoluene	4.000	4.374	-9.3	62	0.00	15.75
116		1,4-dichlorobenzene	2.053	2.012	2.0	59	0.00	15.91
117		1,2-dichlorobenzene	1.902	1.907	-0.3	60	0.00	16.29
118		1,4-Diethylbenzene		----------NA----------				
119		n-butylbenzene	2.110	2.258	-7.0	60	0.00	16.16
120		1,2,4,5-Tetramethylbenzen		----------NA----------				
121		1,2-dibromo-3-chloropropa	0.166	0.164	1.2	60	0.00	17.06
122		1,3,5-Trichlorobenzene	1.481	1.629	-10.0	62	0.00	17.25
123		1,2,4-trichlorobenzene	1.113	1.258	-13.0	63	0.00	17.87
124		hexachlorobutadiene	0.891	0.964	-8.2	64	0.00	17.99
125		naphthalene	2.345	2.312	1.4	57	0.00	18.15
126		1,2,3-trichlorobenzene	1.041	1.112	-6.8	60	0.00	18.40
127		hexachloroethane	0.730	0.800	-9.6	63	0.00	16.55
128		Benzyl chloride	1.854	2.095	-13.0	65	0.00	16.02

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

3C110765.D M3C4989.M Mon Jun 23 10:06:18 2014 MS3C

Initial Calibration Summary

Job Number: JB69123 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GCMS4V

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

Calibration Files
0.2 =4V8917.D 0.5 =4V8916.D 5 =4V8913.D 50 =4V8920.D
100 =4V8921.D 1 =4V8915.D 200 =4V8922.D 20 =4V8919.D
2 =4V8914.D 10 =4V8918.D = =

Compound	0.2	0.5	5	50	100	1	200	20	2	10	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------											
2) 1,4-dioxane			0.069	0.081	0.084		0.081	0.075		0.079	0.078	6.71
3) tertiary butyl alcohol			0.969	0.983	0.998		0.944	0.997	1.047	1.019	0.994	3.37
4) I pentafluorobenzene	----------ISTD----------											
5) Freon 143a											0.000	-1.00
6) chlorodifluoromethane		0.755	0.686	0.718	0.716	0.732	0.744	0.712	0.770	0.685	0.724	4.01
7) dichlorodifluoromethane			0.738	0.820	0.840	0.701	0.854	0.831	0.819	0.781	0.798	6.73
8) freon 142b											0.000	-1.00
9) chloromethane	0.900	0.823	0.689	0.735	0.789	0.830	0.823	0.735	0.822	0.719	0.786	8.28
10) vinyl chloride		0.817	0.753	0.809	0.858	0.783	0.893	0.828	0.900	0.800	0.827	5.90
11) bromomethane			0.512	0.495	0.495	0.608	0.485	0.519	0.606	0.524	0.531	9.24
12) chloroethane			0.292	0.306	0.304	0.271	0.263	0.317	0.331	0.317	0.300	7.75
13) trichlorofluoromethane			0.785	0.866	0.897	0.733	0.940	0.859	0.897	0.823	0.850	7.91
14) ethyl ether			0.219	0.215	0.216	0.165	0.221	0.210	0.203	0.206	0.207	8.69
15) freon 141b											0.000	-1.00
16) 2-chloropropane			0.909	0.771	0.765		0.791	0.765		0.777	0.796	7.03
17) acrolein	0.106	0.123	0.102	0.109		0.117		0.108	0.114	0.105	0.111	6.30
18) 1,1-dichloroethene		0.636	0.792	0.774	0.794	0.823	0.824	0.772	0.765	0.752	0.770	7.26
19) acetone			0.037	0.047	0.045		0.048	0.044		0.036	0.043	11.55
20) allyl chloride			0.233	0.209	0.213	0.171	0.218	0.226	0.197	0.220	0.211	9.29
21) acetonitrile			0.046	0.046	0.044		0.045	0.045	0.040	0.043	0.044	4.64
22) iodomethane	1.131	0.770	1.047	0.985	1.010	1.036	1.047	0.986	0.994	0.963	0.997	9.31
23) iso-butyl alcohol												

Initial Calibration Summary

Job Number: JB69123 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

Initial Calibration Summary

Job Number: JB69123 **Sample:** V4V368-ICC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8920.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Verification

Job Number: JB69123 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: JB69123 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Verification

Job Number: JB69123 **Sample:** V4V368-ICV368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V4V370-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8966.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\4V8966.D Vial: 2
Acq On : 19 Jun 2014 8:55 am Operator: BenM
Sample : cc368-20 Inst : GCMS4V
Misc : MS69086,V4V370,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	107	-0.01	7.46
2		1,4-dioxane	0.078	0.070	10.3	100	0.00	11.65
3	M	tertiary butyl alcohol	0.994	0.992	0.2	107	-0.03	7.58
4	I	pentafluorobenzene	1.000	1.000	0.0	89	0.00	9.93
5		Freon 143a		----------NA----------				
6		chlorodifluoromethane	0.724	0.880	-21.5#	110	0.00	3.64
7		dichlorodifluoromethane	0.798	0.913	-14.4	97	0.00	3.63
8		freon 142b		----------NA----------				
9		chloromethane	0.786	0.840	-6.9	101	-0.01	3.95
10		vinyl chloride	0.827	0.949	-14.8	102	-0.01	4.23
11		bromomethane	0.531	0.598	-12.6	102	0.00	4.93
12		chloroethane	0.300	0.357	-19.0	100	0.00	5.13
13		trichlorofluoromethane	0.850	0.989	-16.4	102	0.00	5.65
14		ethyl ether	0.207	0.224	-8.2	95	0.00	6.11
15		freon 141b		----------NA----------				
16		2-chloropropane	0.796	0.833	-4.6	97	-0.01	6.33
17		acrolein	0.111	0.120	-8.1	98	0.00	6.44
18		1,1-dichloroethene	0.770	0.824	-7.0	95	0.00	6.58
19		acetone	0.043	0.052	-20.9#	105	-0.02	6.70
20		allyl chloride	0.211	0.244	-15.6	96	0.00	7.21
21		acetonitrile	0.044	0.053	-20.5#	105	-0.01	7.25
22		iodomethane	0.997	1.034	-3.7	93	-0.01	6.91
23		iso-butyl alcohol	0.020	0.022	-10.0	104	0.00	10.30
24		carbon disulfide	2.057	2.036	1.0	93	-0.01	7.02
25		methylene chloride	0.572	0.588	-2.8	95	0.00	7.45
26		1-chloropropane	0.222	0.223	-0.5	93	0.00	7.46
27		methyl acetate	0.076	0.086	-13.2	101	-0.02	7.21
28		methyl tert butyl ether	1.545	1.643	-6.3	97	0.00	7.80
29		trans-1,2-dichloroethene	0.680	0.747	-9.9	99	0.00	7.85
30		di-isopropyl ether	1.493	1.733	-16.1	105	-0.01	8.47
31		ethyl tert-butyl ether	1.492	1.790	-20.0	103	0.00	9.00
32		2-butanone	0.055	0.060	-9.1	98	-0.01	9.34
33	M	1,1-dichloroethane	0.838	0.904	-7.9	96	0.00	8.53
34		chloroprene	0.569	0.668	-17.4	101	-0.01	8.62
35		acrylonitrile	0.182	0.203	-11.5	96	0.00	7.88
36		vinyl acetate	0.063	0.065	-3.2	98	0.00	8.53
37		ethyl acetate	0.073	0.072	1.4	84	0.00	9.35
38		2,2-dichloropropane	0.754	0.878	-16.4	107	0.00	9.34
39		cis-1,2-dichloroethene	0.859	0.913	-6.3	97	0.00	9.35
40		propionitrile	0.076	0.080	-5.3	93	-0.01	9.49
41		methyl acrylate	0.545	0.537	1.5	90	0.00	9.44

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V4V370-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8966.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		bromochloromethane	0.262	0.271	-3.4	95	0.00	9.71
43		tetrahydrofuran	0.187	0.193	-3.2	97	0.00	9.73
44		chloroform	0.852	0.879	-3.2	96	-0.01	9.77
45	S	dibromofluoromethane (s)	0.473	0.510	-7.8	100	0.00	9.99
46	S	1,2-dichloroethane-d4 (s)	0.469	0.501	-6.8	97	0.00	10.43
47		freon 113	0.392	0.455	-16.1	101	0.00	6.54
48		methacrylonitrile	0.637	0.699	-9.7	99	-0.01	9.66
49		1,1,1-trichloroethane	0.774	0.850	-9.8	100	-0.01	10.00
50		tert-amyl methyl ether	1.505	1.702	-13.1	102	0.00	10.51
51	I	1,4-difluorobenzene	1.000	1.000	0.0	88	0.00	10.90
52		epichlorohydrin	0.036	0.041	-13.9	102	0.00	12.21
53		n-butyl alcohol	0.012	0.013	-8.3	99	0.00	11.08
54	M	cyclohexane	0.570	0.588	-3.2	93	0.00	10.05
55		carbon tetrachloride	0.539	0.594	-10.2	98	0.00	10.20
56		1,1-dichloropropene	0.460	0.479	-4.1	95	0.00	10.19
57		hexane	0.384	0.446	-16.1	99	0.00	8.16
58	M	benzene	1.370	1.396	-1.9	94	0.00	10.48
59	m	isooctane	1.325	1.554	-17.3	100	0.00	10.44
60		heptane	0.211	0.241	-14.2	99	0.00	10.63
61		isopropyl acetate	0.891	0.965	-8.3	98	0.00	10.44
62		1,2-dichloroethane	0.412	0.442	-7.3	93	0.00	10.53
63		trichloroethene	0.345	0.343	0.6	89	0.00	11.23
64		ethyl acrylate		----------NA----------				
65		2-nitropropane	0.802	0.864	-7.7	105	0.00	12.07
66		2-chloroethyl vinyl ether	0.212	0.247	-16.5	106	0.00	12.07
67		methyl methacrylate	0.222	0.227	-2.3	97	0.00	11.53
68		1,2-dichloropropane	0.327	0.351	-7.3	94	0.00	11.52
69		methylcyclohexane	0.579	0.661	-14.2	99	0.00	11.41
70		dibromomethane	0.233	0.238	-2.1	89	0.00	11.69
71		bromodichloromethane	0.460	0.467	-1.5	91	0.00	11.83
72		cis-1,3-dichloropropene	0.533	0.534	-0.2	97	0.00	12.28
73	S	toluene-d8 (s)	1.062	1.101	-3.7	100	0.00	12.55
74		4-methyl-2-pentanone	0.148	0.152	-2.7	95	0.00	12.38
75		toluene	0.735	0.726	1.2	97	0.00	12.62
76		3-methyl-1-butanol	0.011	0.012	-9.1	103	0.00	12.43
77		trans-1,3-dichloropropene	0.476	0.506	-6.3	101	0.00	12.86
78		ethyl methacrylate	0.420	0.439	-4.5	99	0.00	12.84
79		1,1,2-trichloroethane	0.261	0.276	-5.7	99	0.00	13.08
80		2-hexanone	0.138	0.155	-12.3	103	0.00	13.25
81	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	14.10
82		tetrachloroethene	0.354	0.313	11.6	92	0.00	13.20
83		1,3-dichloropropane	0.535	0.490	8.4	103	0.00	13.26
84		butyl acetate	0.263	0.269	-2.3	102	0.00	13.32
85		dibromochloromethane	0.432	0.412	4.6	101	0.00	13.53
86		1,2-dibromoethane	0.389	0.368	5.4	100	0.00	13.67
87		chlorobenzene	0.978	0.931	4.8	104	0.00	14.13
88		1,1,1,2-tetrachloroethane	0.413	0.385	6.8	95	0.00	14.20
89		ethylbenzene	1.720	1.619	5.9	102	0.00	14.18
90		m,p-xylene	0.644	0.601	6.7	103	0.00	14.29
91		o-xylene	0.667	0.614	7.9	100	0.00	14.72
92		styrene	1.120	1.047	6.5	101	0.00	14.74
93		bromoform	0.340	0.342	-0.6	104	0.00	15.04
94	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	16.45
95		isopropylbenzene	3.034	2.509	17.3	97	0.00	15.07
96	S	4-bromofluorobenzene (s)	0.869	0.873	-0.5	117	0.00	15.29
97		bromobenzene	0.777	0.701	9.8	104	0.00	15.49

Continuing Calibration Summary

Job Number: JB69123 **Sample:** V4V370-CC368
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 4V8966.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

		True	Calc.	% Drift			
98	cyclohexanone	200.000	293.779	-46.9#	145	0.00	15.28

		AvgRF	CCRF	% Dev			
99	1,1,2,2-tetrachloroethane	1.105	0.967	12.5	103	0.00	15.43
100	trans-1,4-dichloro-2-bute	0.251	0.241	4.0	111	0.00	15.46
101	1,2,3-trichloropropane	0.216	0.204	5.6	105	0.00	15.50
102	n-propylbenzene	3.621	3.240	10.5	105	0.00	15.49
103	2-chlorotoluene	0.721	0.643	10.8	104	0.00	15.64
104	4-chlorotoluene	2.251	2.030	9.8	105	0.00	15.74
105	1,3,5-trimethylbenzene	2.599	2.246	13.6	102	0.00	15.64
106	tert-butylbenzene	2.086	1.632	21.8#	89	0.00	15.98
107	pentachloroethane	0.516	0.447	13.4	94	0.00	16.08
108	1,2,4-trimethylbenzene	2.638	2.336	11.4	103	0.00	16.03
109	sec-butylbenzene	3.632	3.006	17.2	98	0.00	16.19
110	1,3-dichlorobenzene	1.579	1.423	9.9	104	0.00	16.39
111	p-isopropyltoluene	2.915	2.553	12.4	101	0.00	16.31
112	1,4-dichlorobenzene	1.614	1.458	9.7	105	0.00	16.47
113	indane		----------NA----------				
114	1,2-dichlorobenzene	1.642	1.462	11.0	103	0.00	16.86
115	n-butylbenzene	1.620	1.484	8.4	104	0.00	16.71
116	1,2-dibromo-3-chloropropa	0.239	0.221	7.5	106	0.00	17.61
117	1,3,5-trichlorobenzene	1.399	1.244	11.1	104	0.00	17.75
118	1,2,4-trichlorobenzene	1.310	1.168	10.8	103	0.00	18.32
119	hexachlorobutadiene	0.596	0.526	11.7	101	0.00	18.40
120	naphthalene	3.742	3.293	12.0	101	0.00	18.58
121	1,2,3-trichlorobenzene	1.256	1.122	10.7	102	0.00	18.79
122	hexachloroethane	0.624	0.519	16.8	92	0.00	17.09
123	Benzyl chloride	2.012	2.109	-4.8	119	0.00	16.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4V8919.D M4V368.M Thu Jun 19 16:24:02 2014 RPT1

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110944.D
Acq On : 22 Jun 2014 2:56 pm
Operator : prashans
Sample : JB69123-1
Misc : MS69087,V3C4996,3.9,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 08:29:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

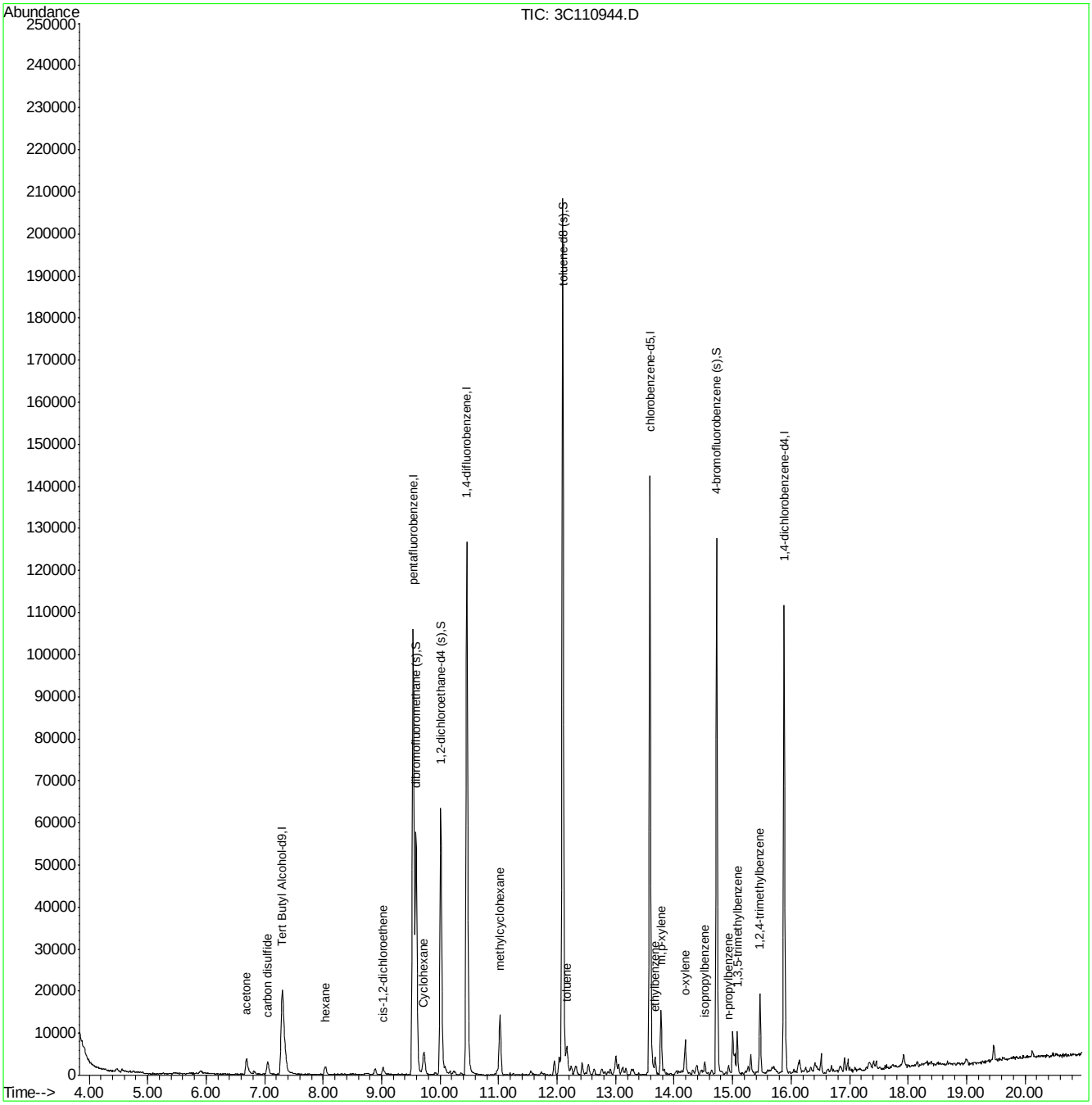
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	41177	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	75385	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	102675	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	65774	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	23475	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	36824	53.62	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.24%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	54158	53.64	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.28%			
74) toluene-d8 (s)	12.09	98	135195	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.66%			
99) 4-bromofluorobenzene (s)	14.73	95	43805	61.66	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 123.32%			
Target Compounds						Qvalue
18) acetone	6.69	58	1864	19.60	ug/L	91
23) carbon disulfide	7.06	76	5587	2.04	ug/L	98
37) cis-1,2-dichloroethene	9.03	61	978	0.61	ug/L	84
49) Cyclohexane	9.72	84	2229	1.80	ug/L #	34
58) hexane	8.04	57	1075	0.82	ug/L	84
70) methylcyclohexane	11.03	83	5806	4.04	ug/L	100
76) toluene	12.17	91	2958	0.91	ug/L	97
91) ethylbenzene	13.67	91	931	0.31	ug/L	87
92) m,p-xylene	13.77	106	3615	3.47	ug/L	98
93) o-xylene	14.19	91	4760	2.01	ug/L	94
98) isopropylbenzene	14.53	105	1912	0.82	ug/L	96
105) n-propylbenzene	14.93	91	1855	0.72	ug/L	93
109) 1,3,5-trimethylbenzene	15.08	105	5091	2.64	ug/L	98
112) 1,2,4-trimethylbenzene	15.47	105	10035	5.34	ug/L	96

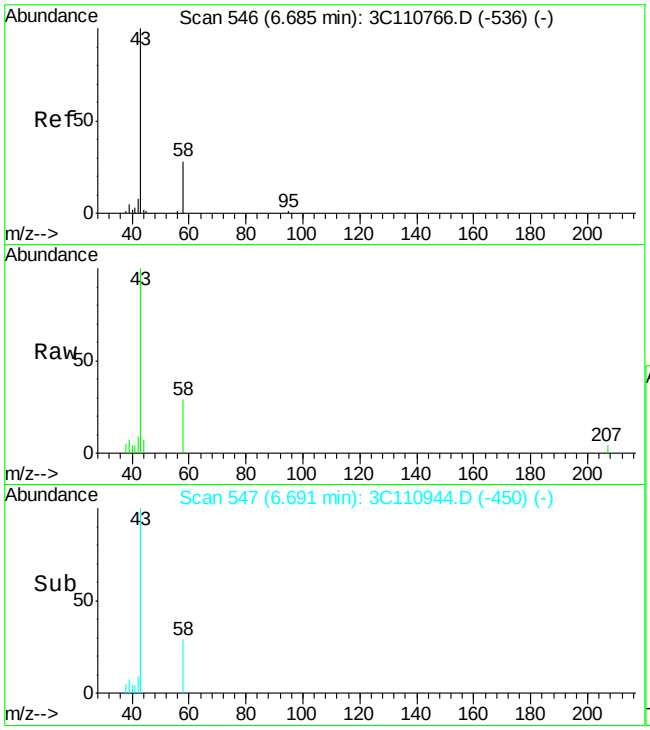
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110944.D
Acq On : 22 Jun 2014 2:56 pm
Operator : prashans
Sample : JB69123-1
Misc : MS69087,V3C4996,3.9,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 08:29:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

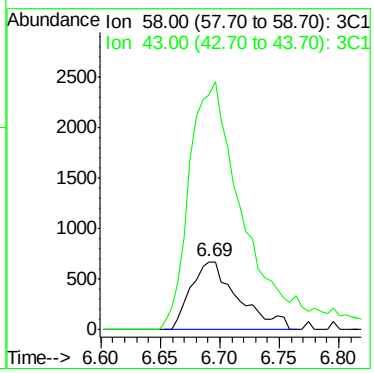


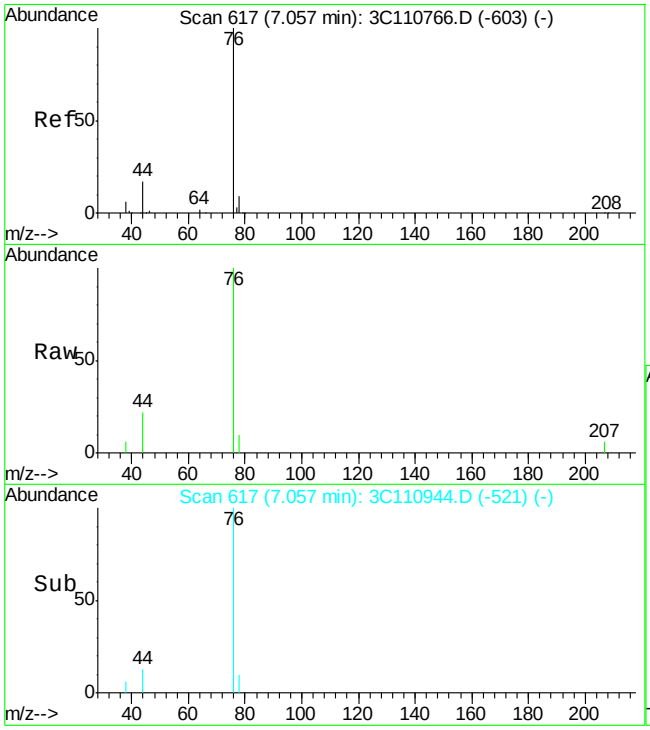


#18
acetone
Concen: 19.60 ug/L
RT: 6.69 min Scan# 547
Delta R.T. 0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 58 Resp: 1864

Ion	Ratio	Lower	Upper
58	100		
43	346.3	336.0	396.0

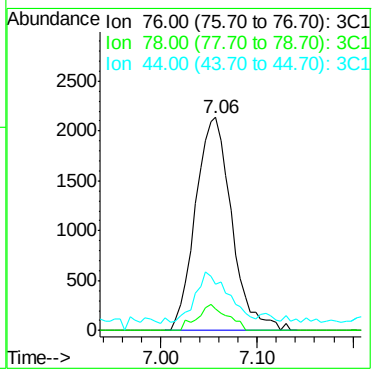


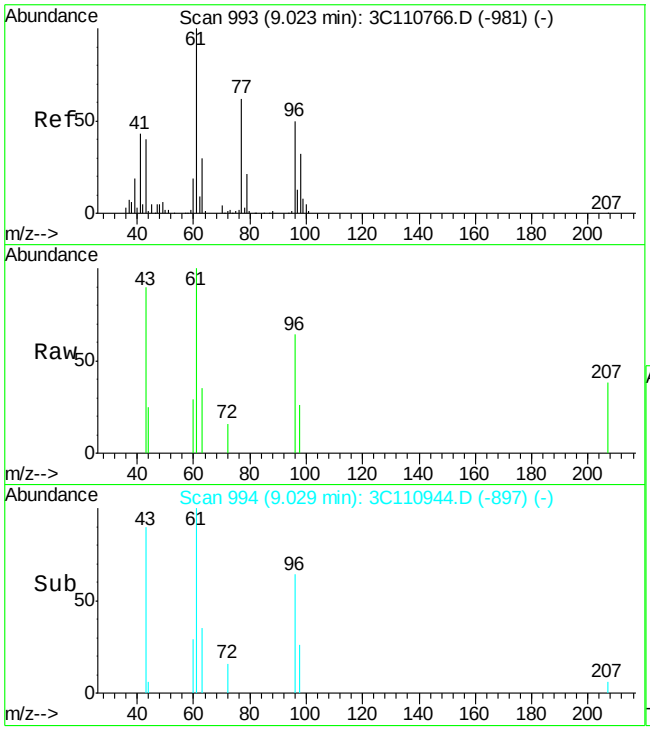


#23
carbon disulfide
Concen: 2.04 ug/L
RT: 7.06 min Scan# 617
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 76 Resp: 5587

Ion	Ratio	Lower	Upper
76	100		
78	10.1	0.0	39.2
44	15.7	0.0	46.7

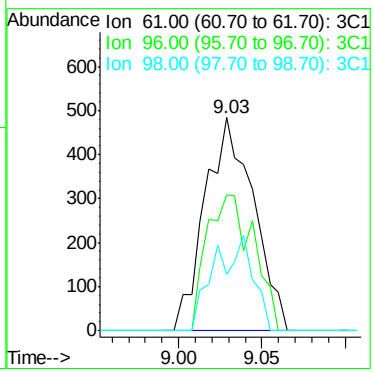


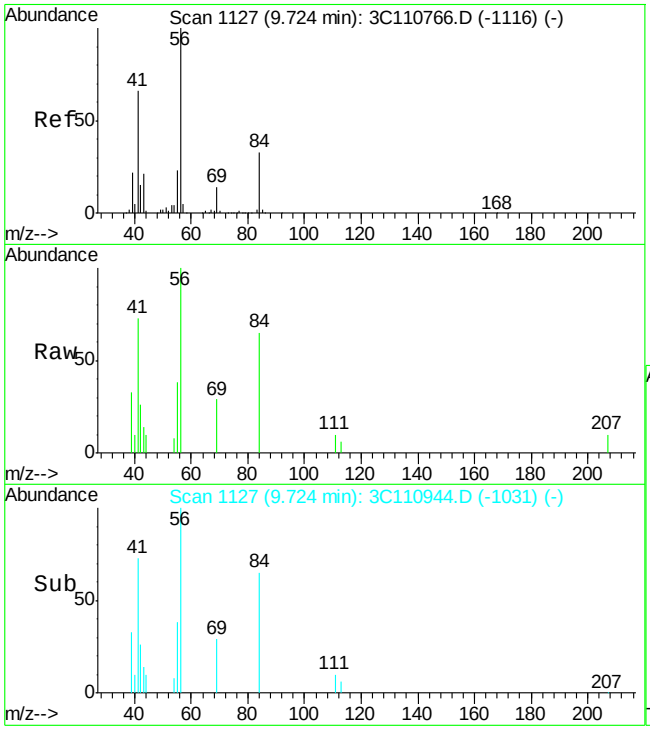


#37
cis-1,2-dichloroethene
Concen: 0.61 ug/L
RT: 9.03 min Scan# 994
Delta R.T. 0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 61 Resp: 978

Ion	Ratio	Lower	Upper
61	100		
96	63.6	20.4	80.4
98	26.4	2.1	62.1

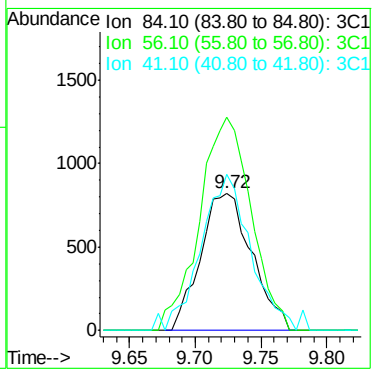


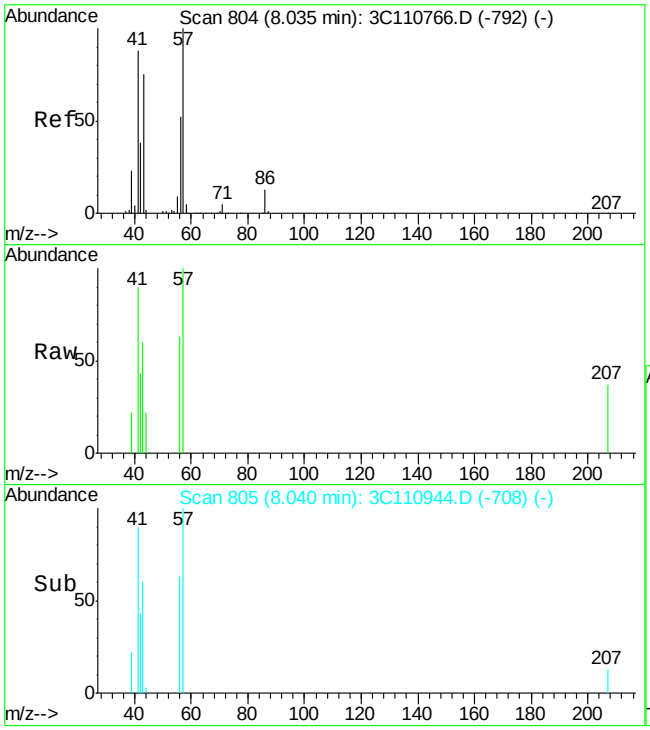


#49
Cyclohexane
Concen: 1.80 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 84 Resp: 2229

Ion	Ratio	Lower	Upper
84	100		
56	156.2	206.7	383.9#
41	109.8	136.6	253.6#

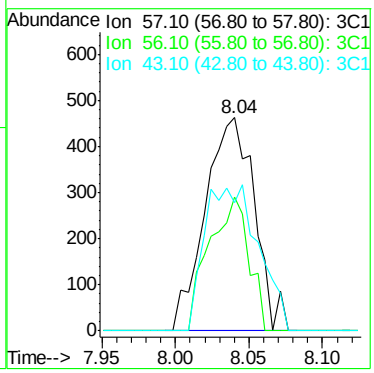


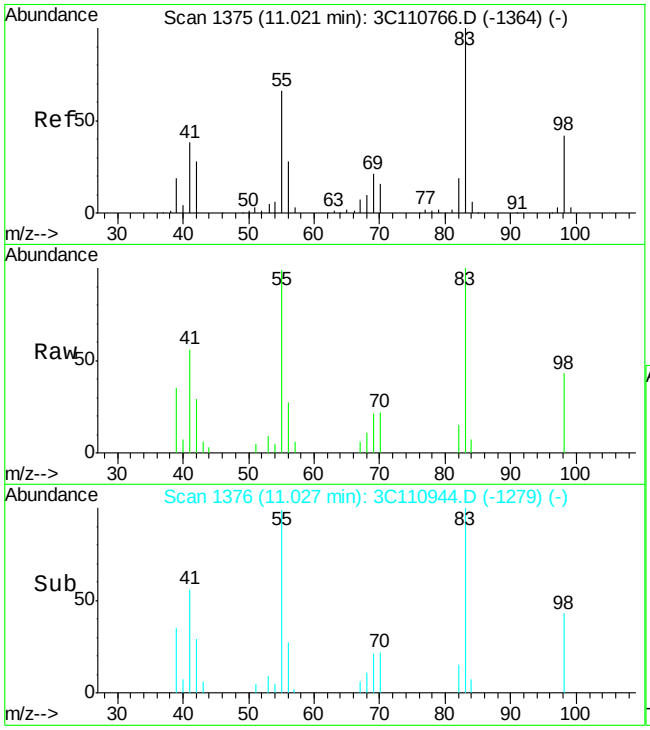


#58
hexane
Concen: 0.82 ug/L
RT: 8.04 min Scan# 805
Delta R.T. 0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 57 Resp: 1075

Ion	Ratio	Lower	Upper
57	100		
56	62.9	22.5	82.5
43	59.8	44.9	104.9

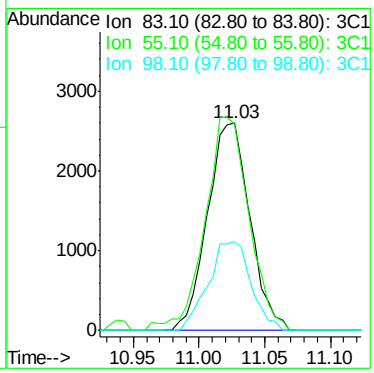


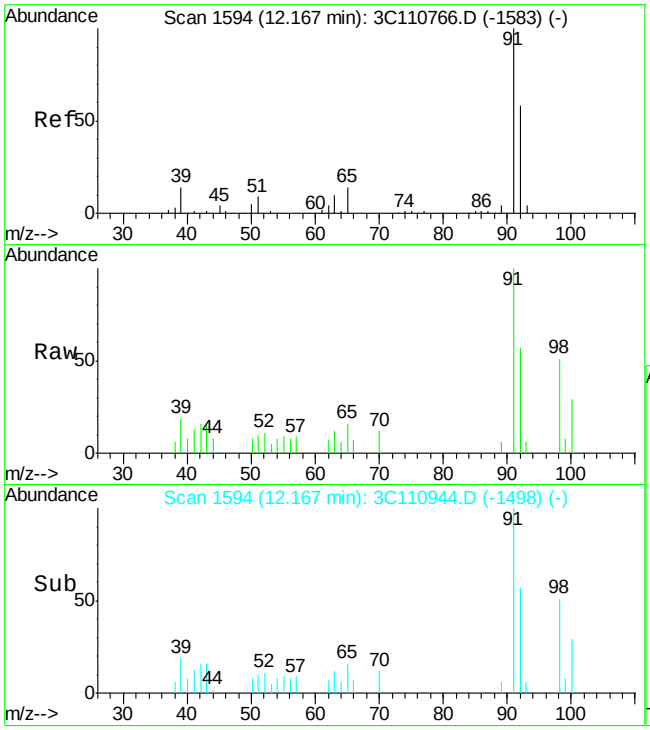


#70
methylcyclohexane
Concen: 4.04 ug/L
RT: 11.03 min Scan# 1376
Delta R.T. 0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 83 Resp: 5806

Ion	Ratio	Lower	Upper
83	100		
55	99.3	69.4	129.4
98	42.7	12.3	72.3

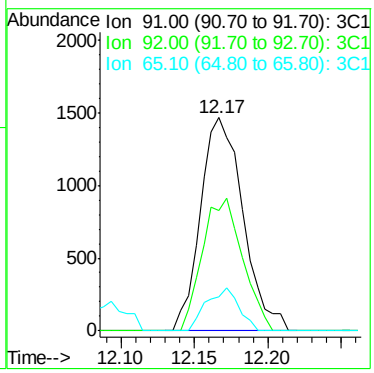


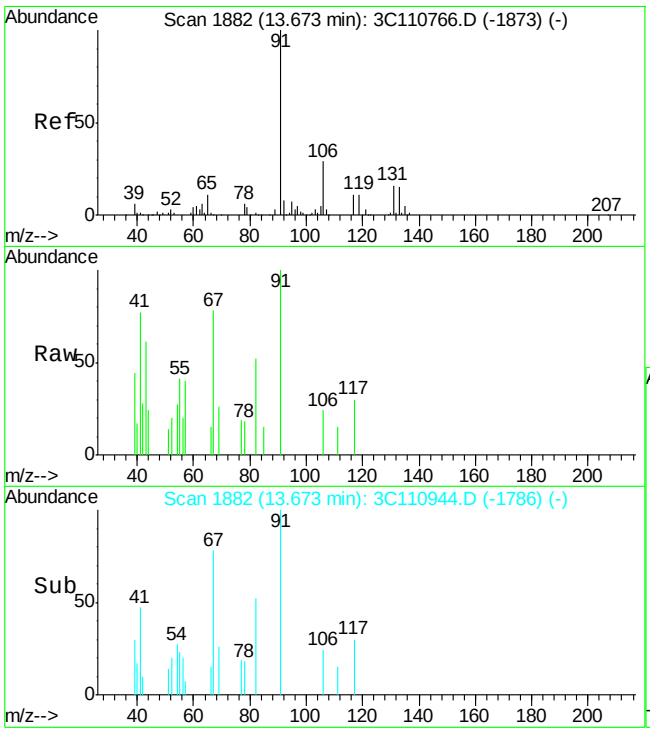


#76
toluene
Concen: 0.91 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 91 Resp: 2958

Ion	Ratio	Lower	Upper
91	100		
92	56.6	28.4	88.4
65	16.1	0.0	44.5

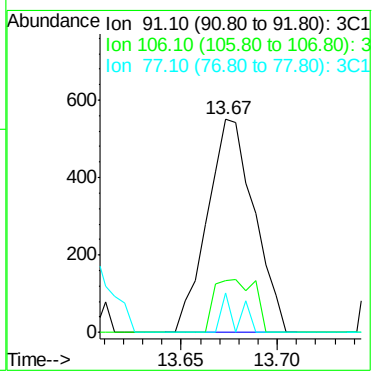


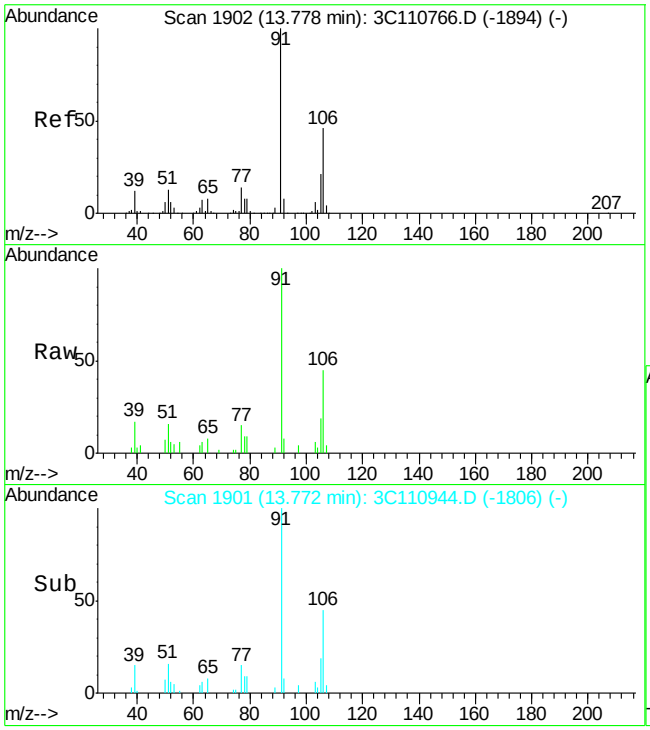


#91
ethylbenzene
Concen: 0.31 ug/L
RT: 13.67 min Scan# 1882
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 91 Resp: 931

Ion	Ratio	Lower	Upper
91	100		
106	24.3	0.0	59.1
77	18.5	0.0	39.8

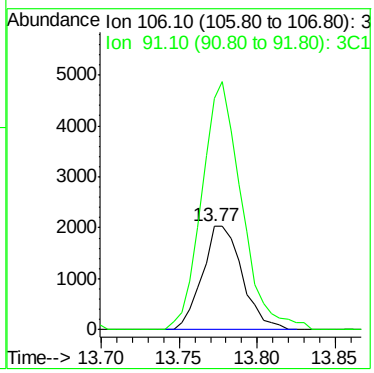


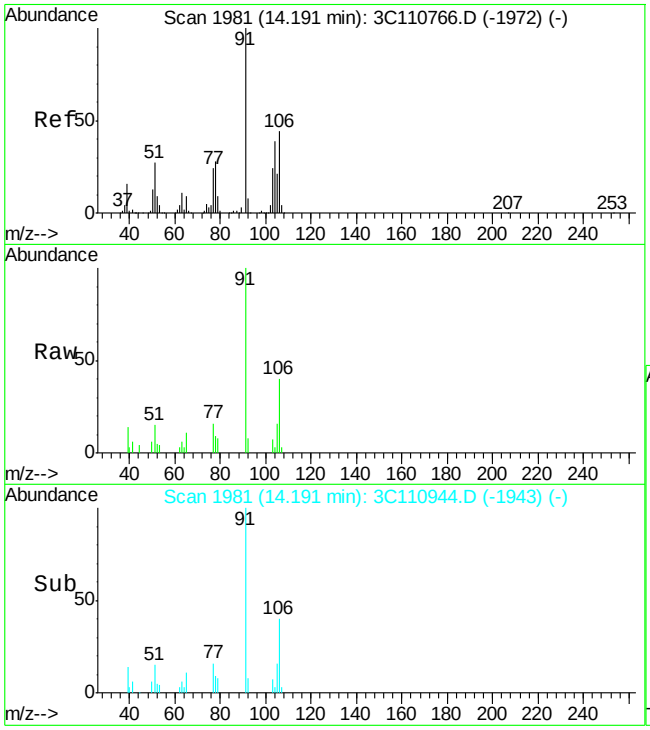


#92
m,p-xylene
Concen: 3.47 ug/L
RT: 13.77 min Scan# 1901
Delta R.T. -0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion:106 Resp: 3615

Ion	Ratio	Lower	Upper
106	100		
91	222.5	153.9	285.9

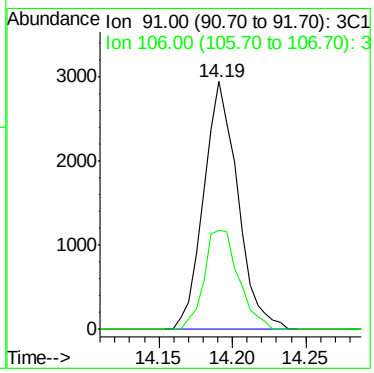


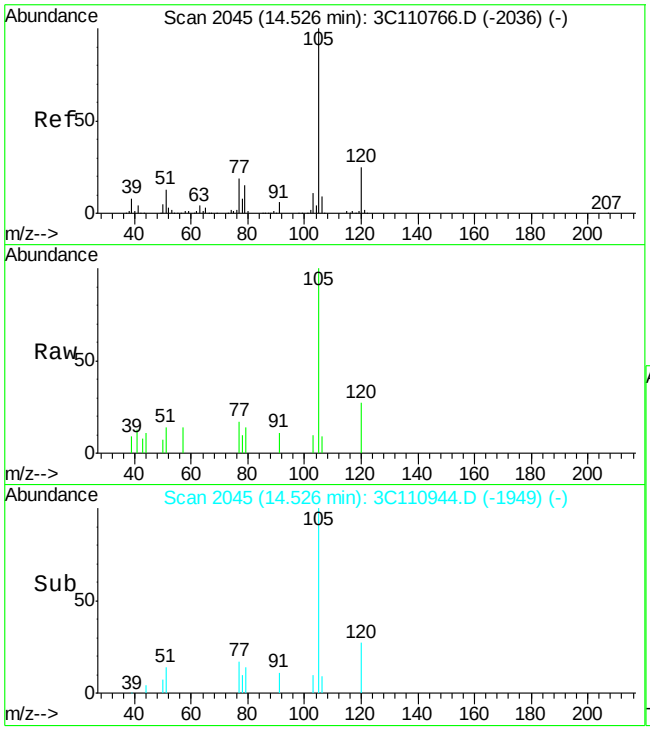


#93
o-xylene
Concen: 2.01 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 91 Resp: 4760

Ion	Ratio	Lower	Upper
91	100		
106	39.9	30.7	57.1

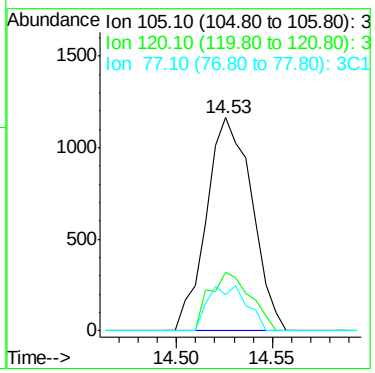


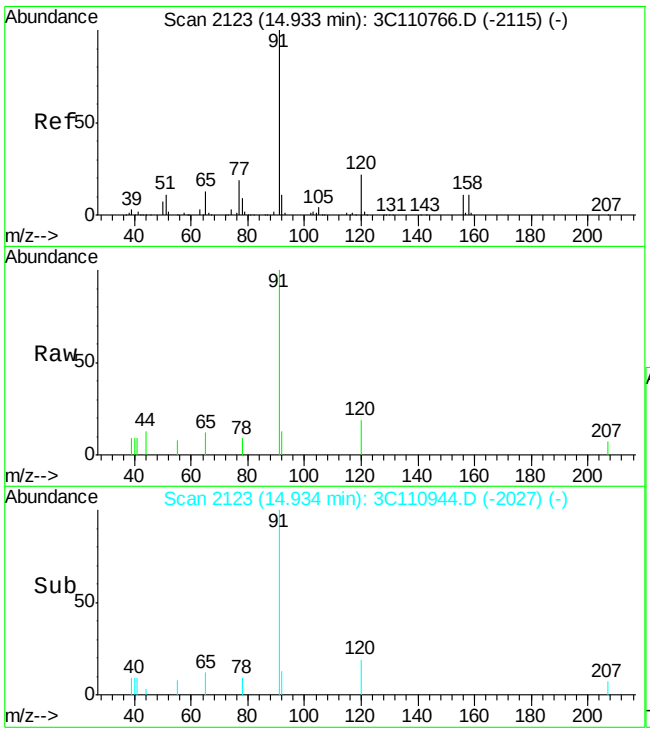


#98
isopropylbenzene
Concen: 0.82 ug/L
RT: 14.53 min Scan# 2045
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion:105 Resp: 1912

Ion	Ratio	Lower	Upper
105	100		
120	27.3	0.0	55.3
77	17.2	0.0	48.6

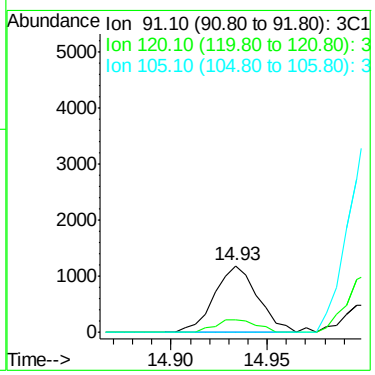


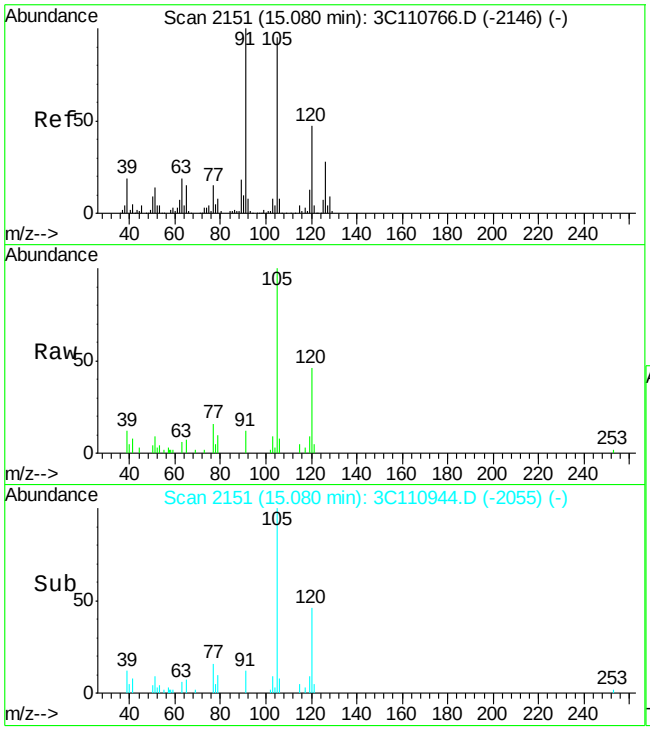


#105
n-propylbenzene
Concen: 0.72 ug/L
RT: 14.93 min Scan# 2123
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion: 91 Resp: 1855

Ion	Ratio	Lower	Upper
91	100		
120	18.8	0.0	51.6
105	0.0	0.0	33.9

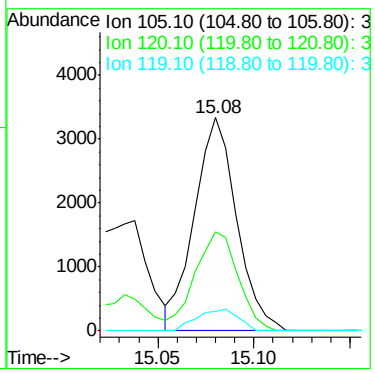


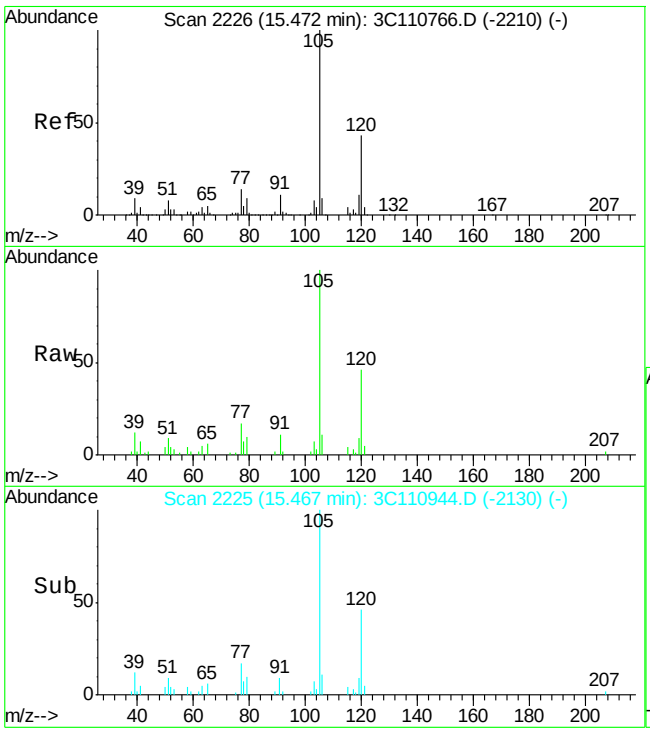


#109
1,3,5-trimethylbenzene
Concen: 2.64 ug/L
RT: 15.08 min Scan# 2151
Delta R.T. 0.00 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion:105 Resp: 5091

Ion	Ratio	Lower	Upper
105	100		
120	46.3	16.6	76.6
119	9.1	0.0	41.7

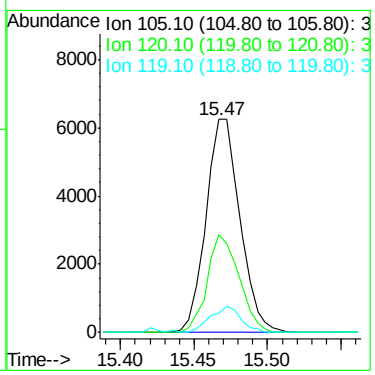




#112
1,2,4-trimethylbenzene
Concen: 5.34 ug/L
RT: 15.47 min Scan# 2225
Delta R.T. -0.01 min
Lab File: 3C110944.D
Acq: 22 Jun 2014 2:56 pm

Tgt Ion:105 Resp: 10035

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.6	73.6
119	9.0	0.0	41.4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110945.D
Acq On : 22 Jun 2014 3:23 pm
Operator : prashans
Sample : JB69123-2
Misc : MS69087,V3C4996,4.6,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 10:09:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

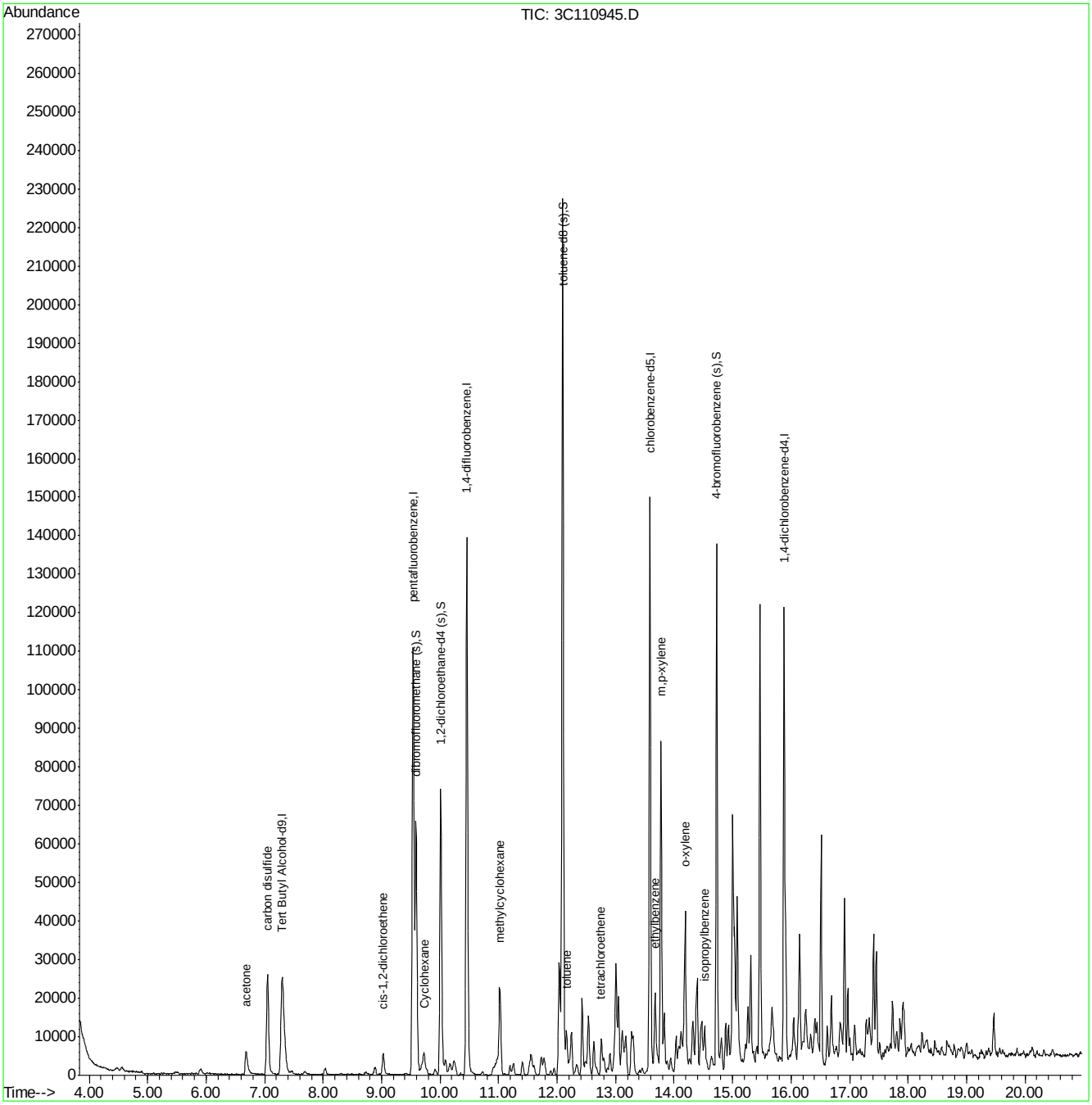
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	52059	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	80948	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	111879	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	70690	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	24762	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	42186	57.21	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 114.42%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	63905	58.94	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 117.88%			
74) toluene-d8 (s)	12.09	98	146504	50.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.10%			
99) 4-bromofluorobenzene (s)	14.73	95	48566	64.81	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 129.62%			
Target Compounds						Qvalue
18) acetone	6.68	58	3178	31.13	ug/L	99
23) carbon disulfide	7.05	76	49407	16.79	ug/L	99
37) cis-1,2-dichloroethene	9.03	61	3792	2.19	ug/L	96
49) Cyclohexane	9.72	84	2310	1.74	ug/L #	59
70) methylcyclohexane	11.02	83	9450	6.04	ug/L	97
76) toluene	12.17	91	1643	0.46	ug/L	99
83) tetrachloroethene	12.75	166	301	0.46	ug/L	97
91) ethylbenzene	13.67	91	1152	0.36	ug/L	82
92) m,p-xylene	13.78	106	19316	17.27	ug/L	94
93) o-xylene	14.19	91	21617	8.50	ug/L	99
98) isopropylbenzene	14.53	105	5304	2.16	ug/L	93

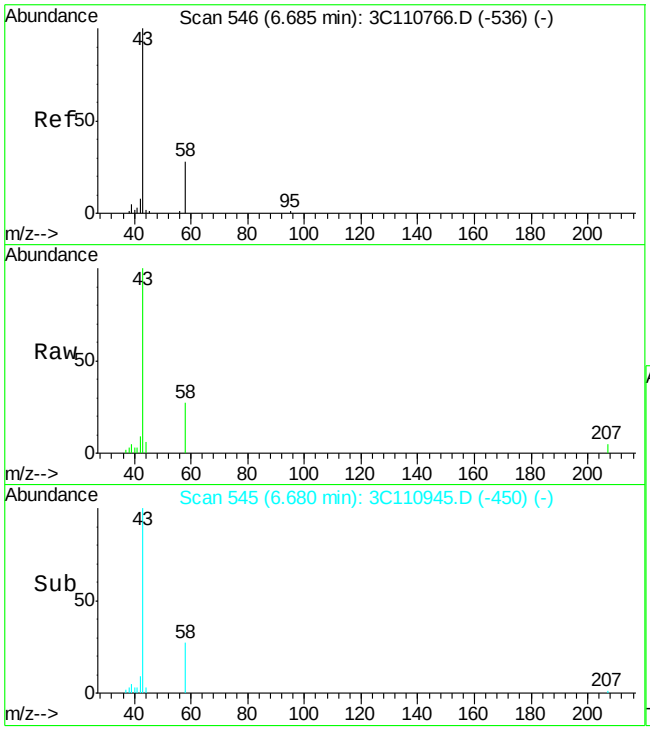
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110945.D
Acq On : 22 Jun 2014 3:23 pm
Operator : prashans
Sample : JB69123-2
Misc : MS69087,V3C4996,4.6,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 10:09:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

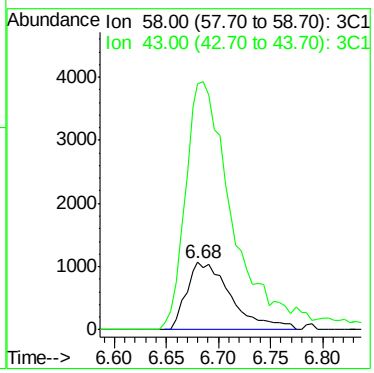


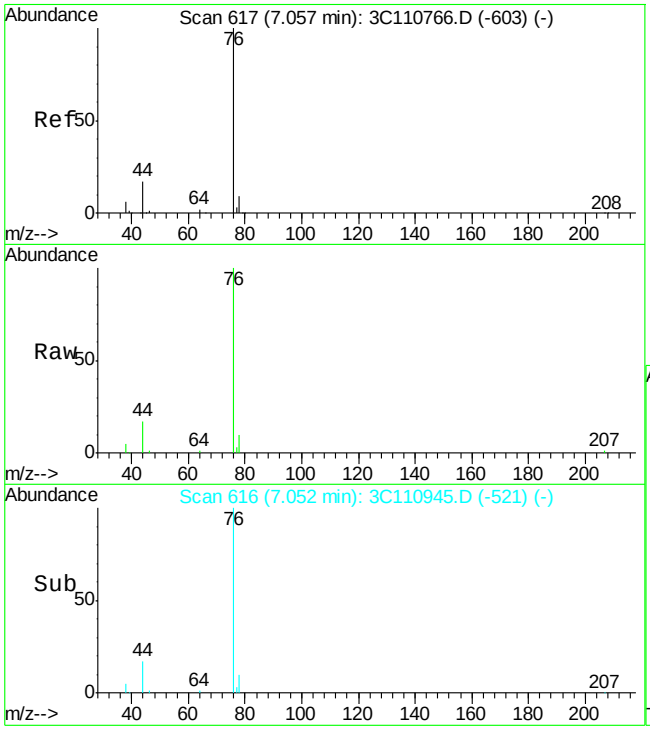


#18
acetone
Concen: 31.13 ug/L
RT: 6.68 min Scan# 545
Delta R.T. -0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 58 Resp: 3178

Ion	Ratio	Lower	Upper
58	100		
43	363.9	336.0	396.0

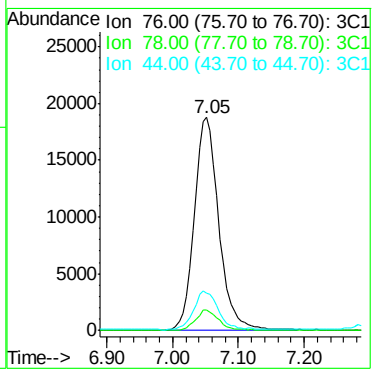


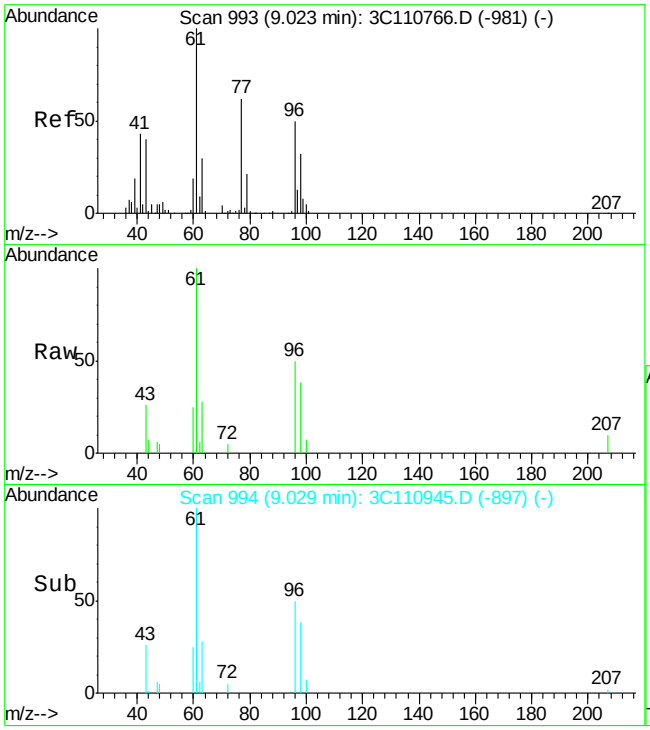


#23
carbon disulfide
Concen: 16.79 ug/L
RT: 7.05 min Scan# 616
Delta R.T. -0.01 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 76 Resp: 49407

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.2
44	17.0	0.0	46.7

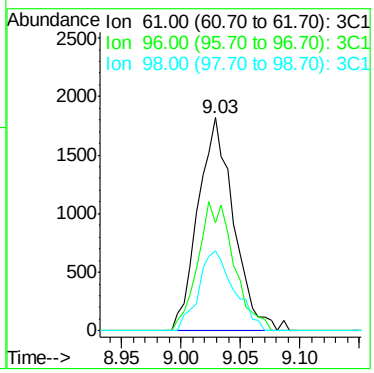


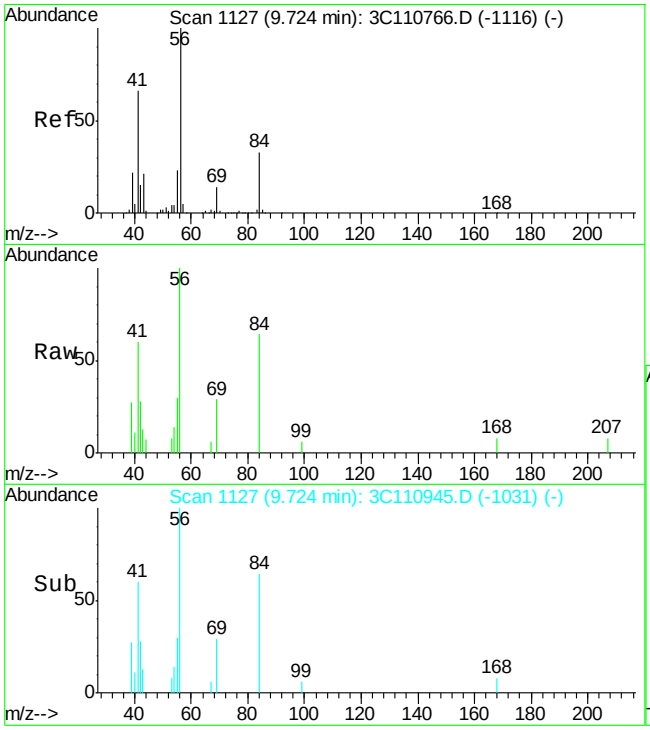


#37
cis-1,2-dichloroethene
Concen: 2.19 ug/L
RT: 9.03 min Scan# 994
Delta R.T. 0.01 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 61 Resp: 3792

Ion	Ratio	Lower	Upper
61	100		
96	50.4	20.4	80.4
98	37.5	2.1	62.1

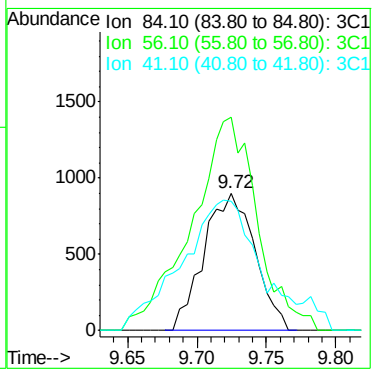


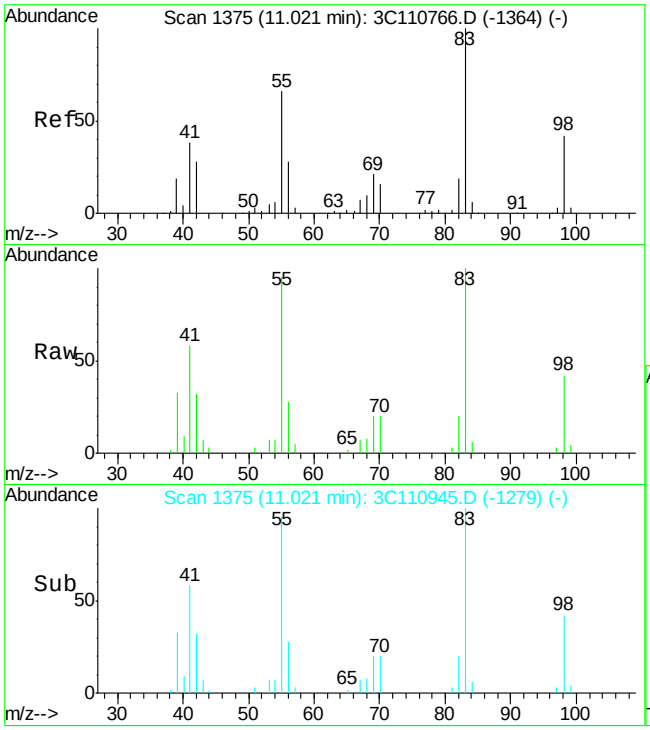


#49
Cyclohexane
Concen: 1.74 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 84 Resp: 2310

Ion	Ratio	Lower	Upper
84	100		
56	200.0	206.7	383.9#
41	152.3	136.6	253.6

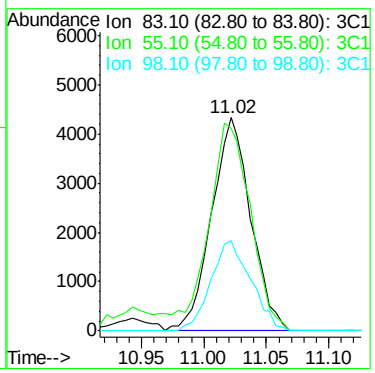


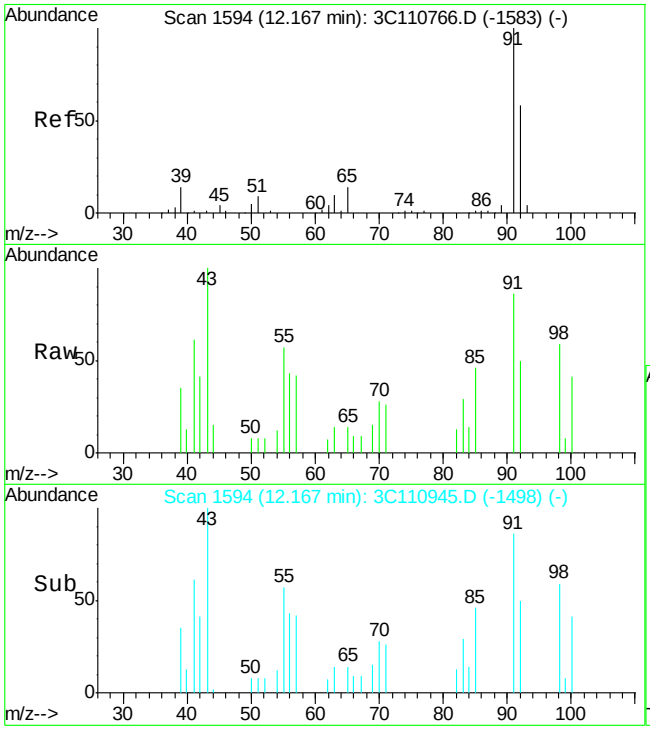


#70
methylcyclohexane
Concen: 6.04 ug/L
RT: 11.02 min Scan# 1375
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 83 Resp: 9450

Ion	Ratio	Lower	Upper
83	100		
55	94.9	69.4	129.4
98	42.4	12.3	72.3

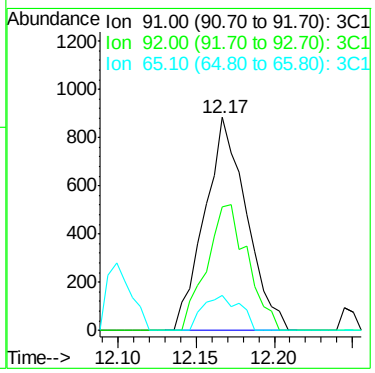


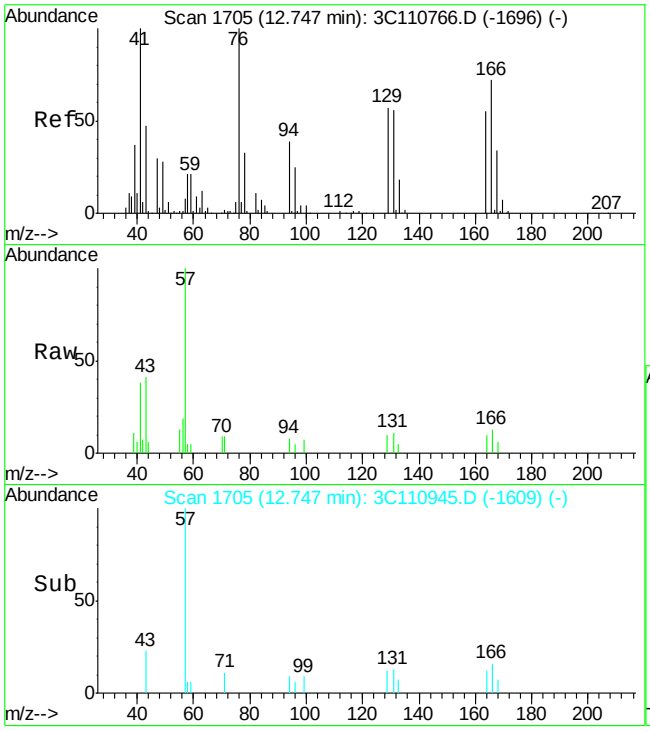


#76
toluene
Concen: 0.46 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 91 Resp: 1643

Ion	Ratio	Lower	Upper
91	100		
92	57.9	28.4	88.4
65	16.2	0.0	44.5

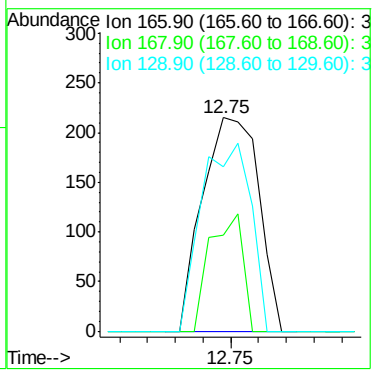


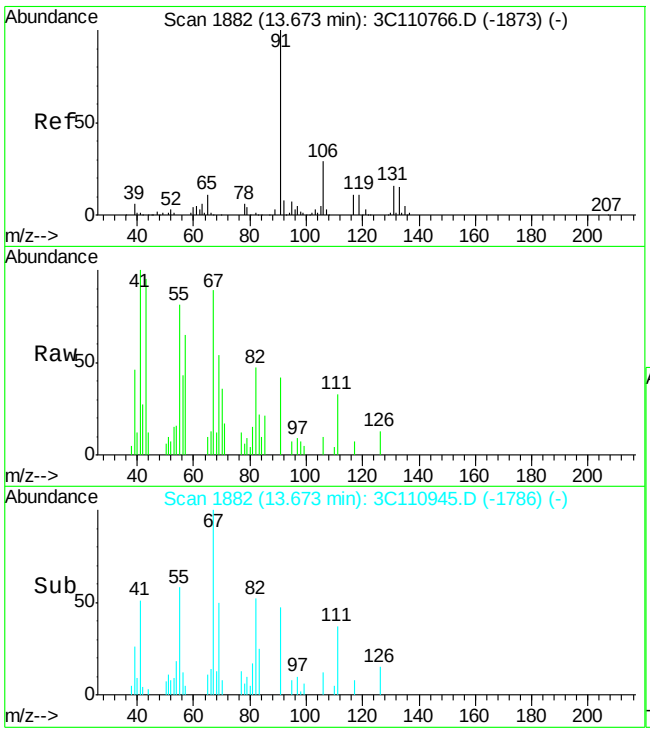


#83
tetrachloroethene
Concen: 0.46 ug/L
RT: 12.75 min Scan# 1705
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion:166 Resp: 301

Ion	Ratio	Lower	Upper
166	100		
168	45.1	17.4	77.4
129	77.2	49.1	109.1

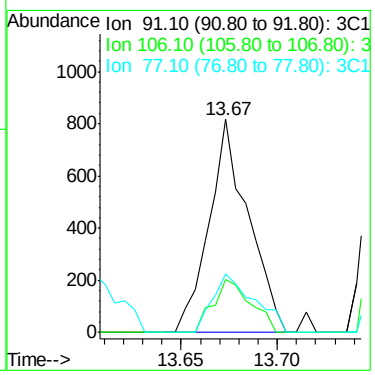


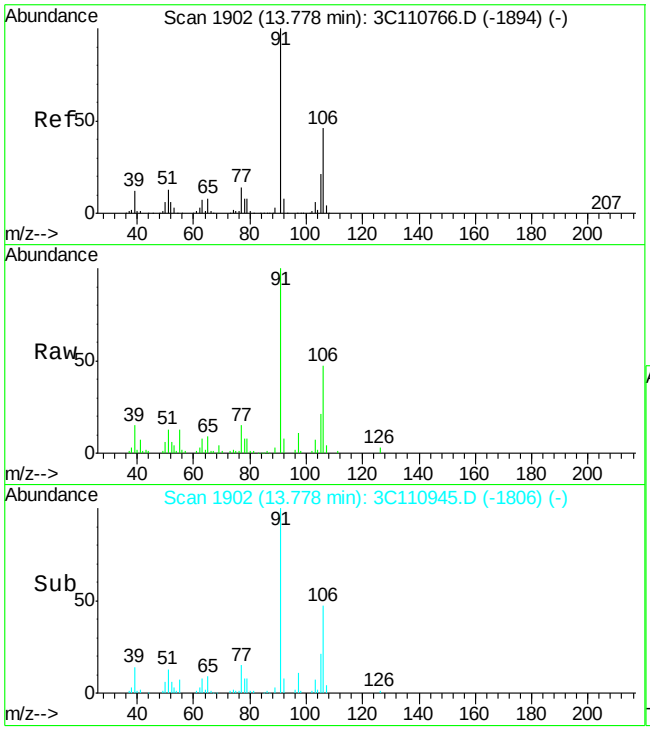


#91
ethylbenzene
Concen: 0.36 ug/L
RT: 13.67 min Scan# 1882
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 91 Resp: 1152

Ion	Ratio	Lower	Upper
91	100		
106	24.7	0.0	59.1
77	27.4	0.0	39.8

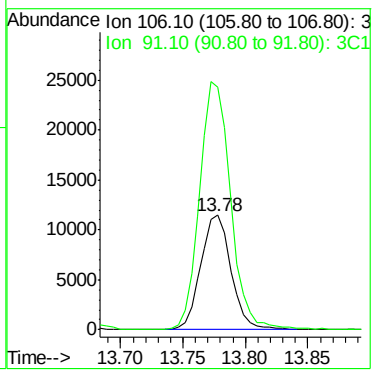


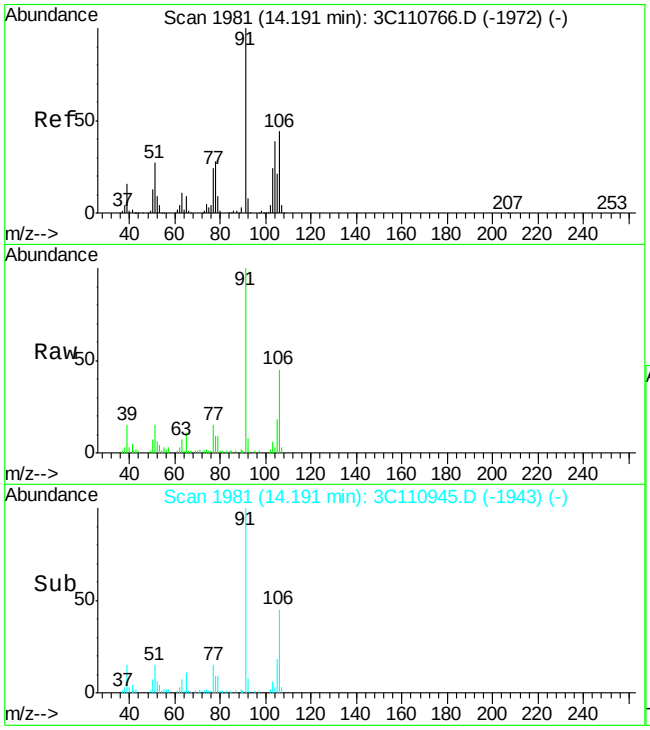


#92
m,p-xylene
Concen: 17.27 ug/L
RT: 13.78 min Scan# 1902
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion:106 Resp: 19316

Ion	Ratio	Lower	Upper
106	100		
91	211.0	153.9	285.9

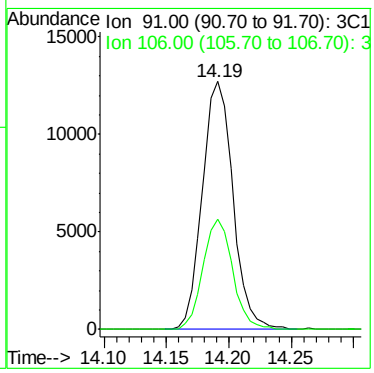


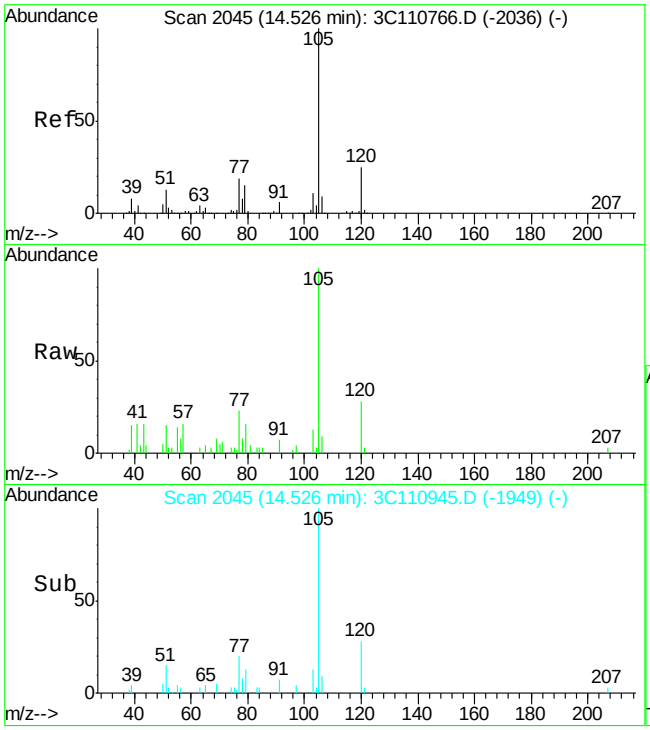


#93
o-xylene
Concen: 8.50 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion: 91 Resp: 21617

Ion	Ratio	Lower	Upper
91	100		
106	44.6	30.7	57.1

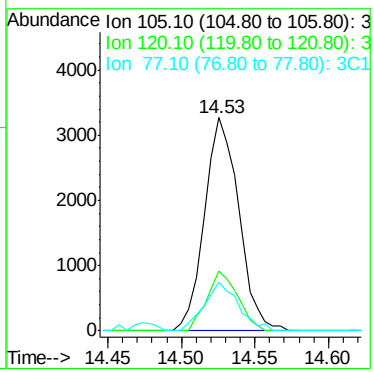




#98
isopropylbenzene
Concen: 2.16 ug/L
RT: 14.53 min Scan# 2045
Delta R.T. 0.00 min
Lab File: 3C110945.D
Acq: 22 Jun 2014 3:23 pm

Tgt Ion:105 Resp: 5304

Ion	Ratio	Lower	Upper
105	100		
120	28.2	0.0	55.3
77	22.8	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110946.D
Acq On : 22 Jun 2014 3:51 pm
Operator : prashans
Sample : JB69123-3
Misc : MS69087,V3C4996,4.3,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 10:10:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

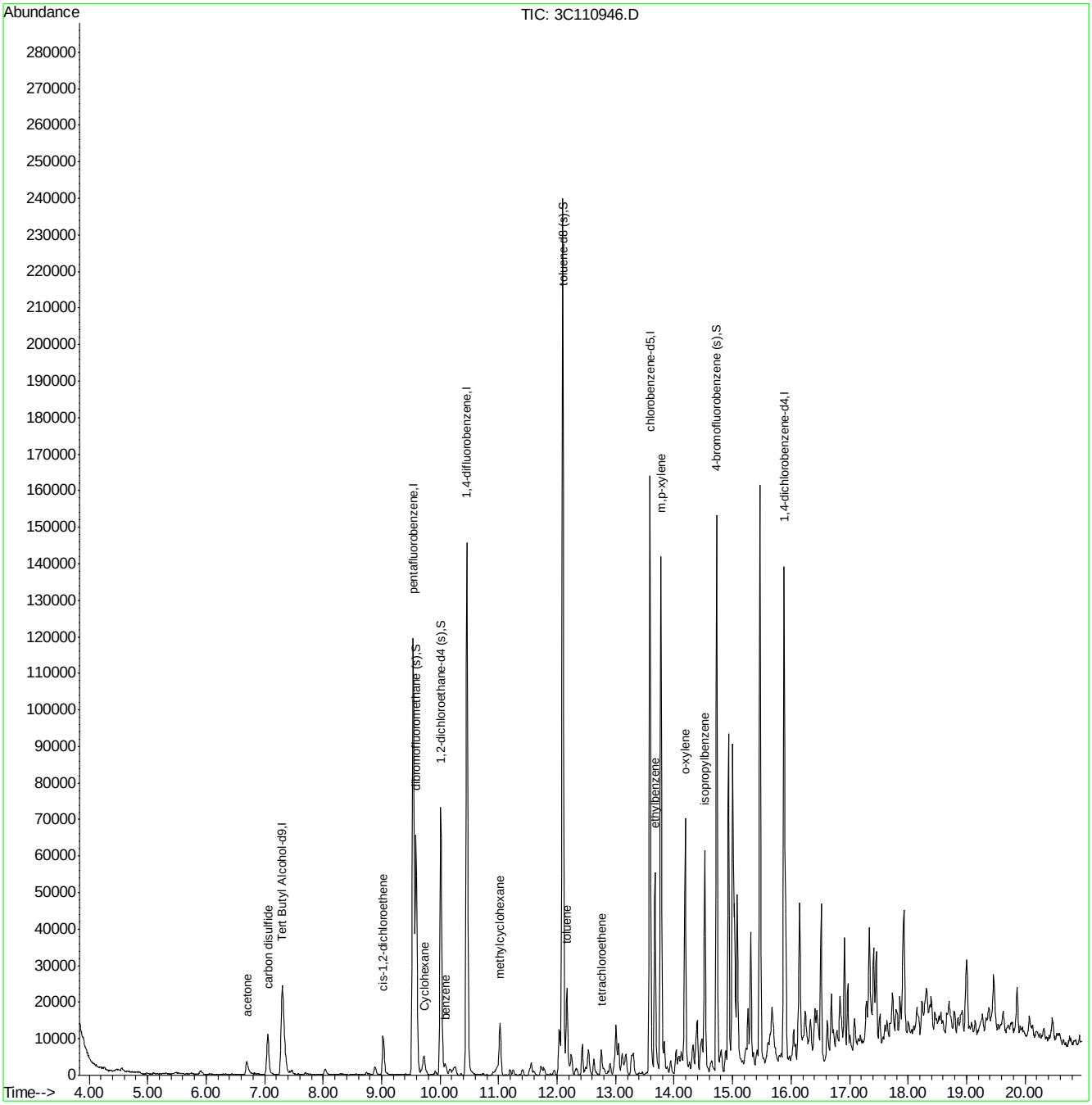
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	48909	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	85368	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	115949	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	75960	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	28740	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	43138	55.47	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.94%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	63585	55.61	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 111.22%			
74) toluene-d8 (s)	12.09	98	155193	51.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.32%			
99) 4-bromofluorobenzene (s)	14.73	95	52564	60.44	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 120.88%			
Target Compounds						Qvalue
18) acetone	6.69	58	2089	19.40	ug/L	90
23) carbon disulfide	7.06	76	20434	6.58	ug/L	96
37) cis-1,2-dichloroethene	9.03	61	8136	4.45	ug/L	93
49) Cyclohexane	9.72	84	2176	1.55	ug/L #	43
59) benzene	10.10	78	844	0.22	ug/L	78
70) methylcyclohexane	11.03	83	5767	3.56	ug/L	93
76) toluene	12.17	91	12348	3.36	ug/L	91
83) tetrachloroethene	12.75	166	649	0.93	ug/L	78
91) ethylbenzene	13.67	91	28526	8.25	ug/L	98
92) m,p-xylene	13.78	106	35854	29.84	ug/L	98
93) o-xylene	14.19	91	38306	14.02	ug/L	99
98) isopropylbenzene	14.53	105	33766	11.86	ug/L	96

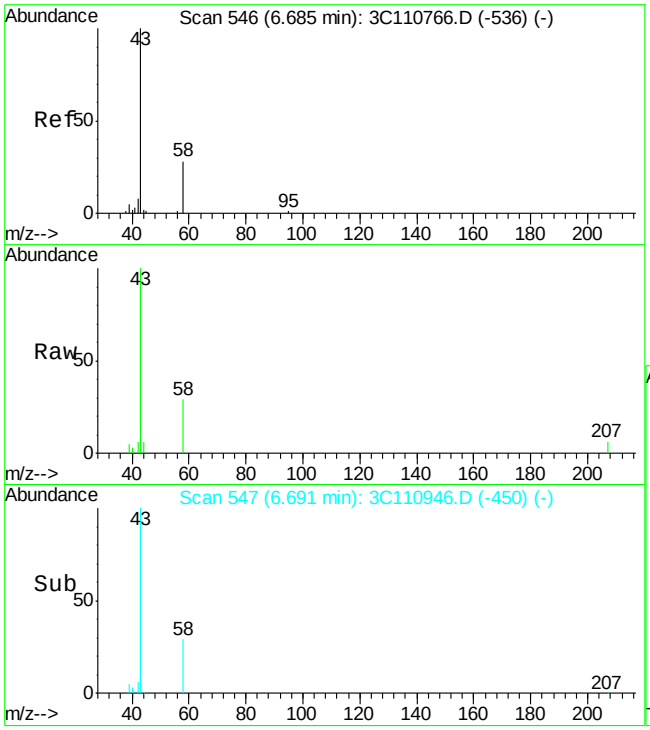
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110946.D
Acq On : 22 Jun 2014 3:51 pm
Operator : prashans
Sample : JB69123-3
Misc : MS69087,V3C4996,4.3,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 10:10:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

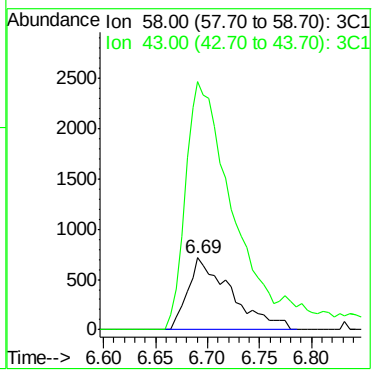


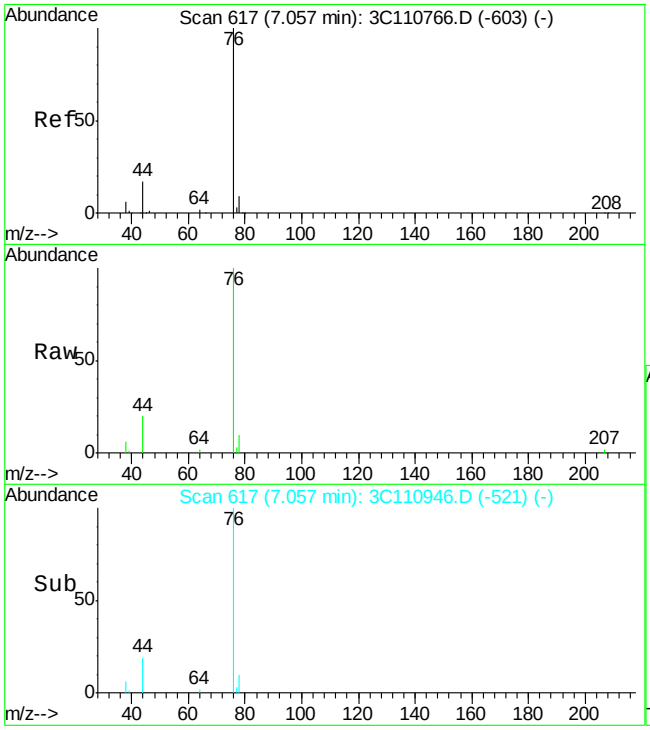


#18
acetone
Concen: 19.40 ug/L
RT: 6.69 min Scan# 547
Delta R.T. 0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 58 Resp: 2089

Ion	Ratio	Lower	Upper
58	100		
43	344.4	336.0	396.0

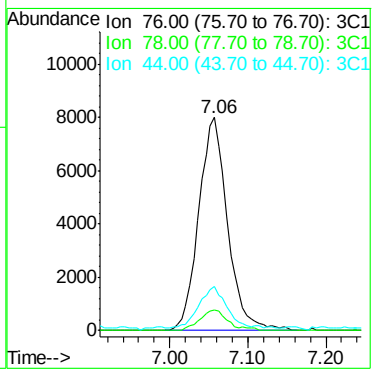


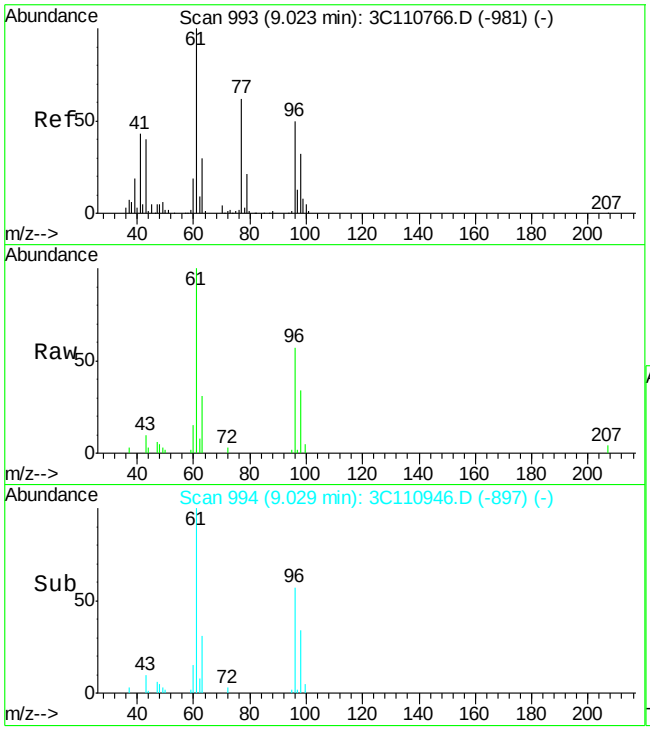


#23
carbon disulfide
Concen: 6.58 ug/L
RT: 7.06 min Scan# 617
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 76 Resp: 20434

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.2
44	19.1	0.0	46.7

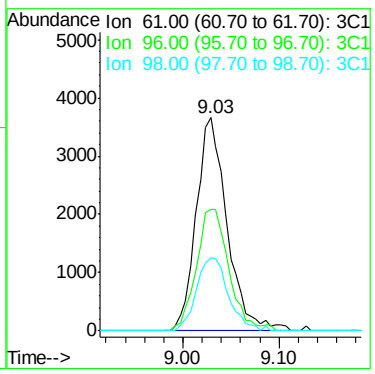


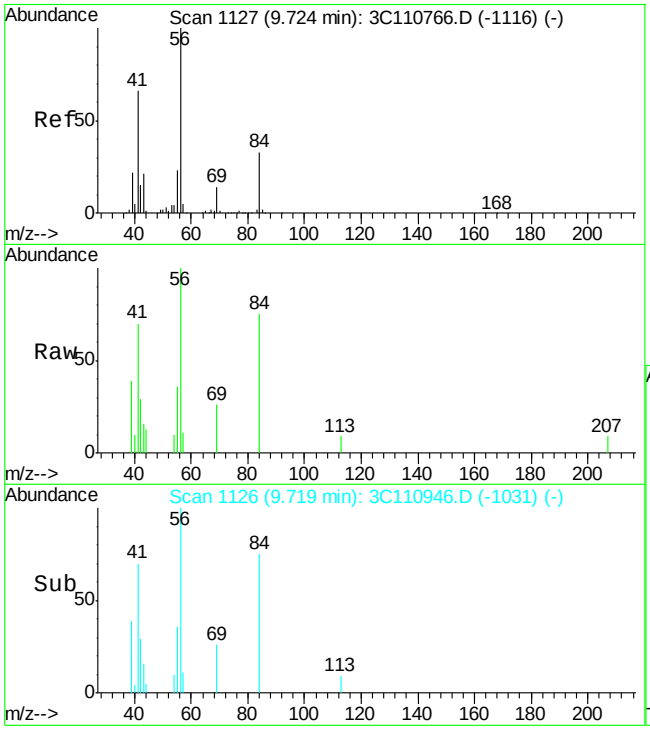


#37
cis-1,2-dichloroethene
Concen: 4.45 ug/L
RT: 9.03 min Scan# 994
Delta R.T. 0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 61 Resp: 8136

Ion	Ratio	Lower	Upper
61	100		
96	56.7	20.4	80.4
98	34.3	2.1	62.1

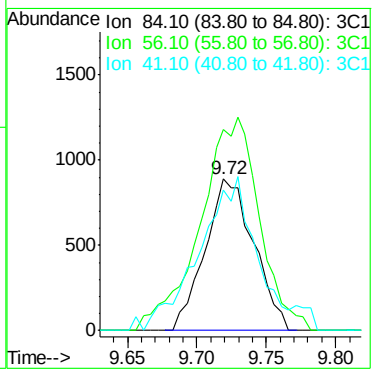


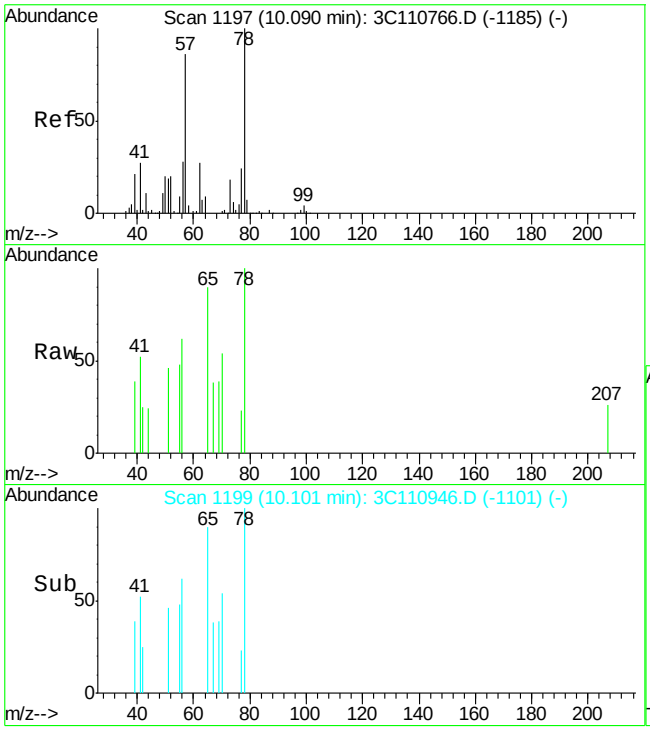


#49
Cyclohexane
Concen: 1.55 ug/L
RT: 9.72 min Scan# 1126
Delta R.T. -0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 84 Resp: 2176

Ion	Ratio	Lower	Upper
84	100		
56	171.2	206.7	383.9#
41	124.5	136.6	253.6#

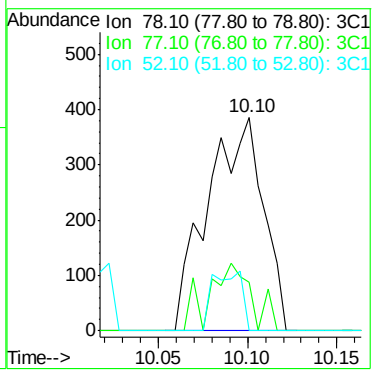


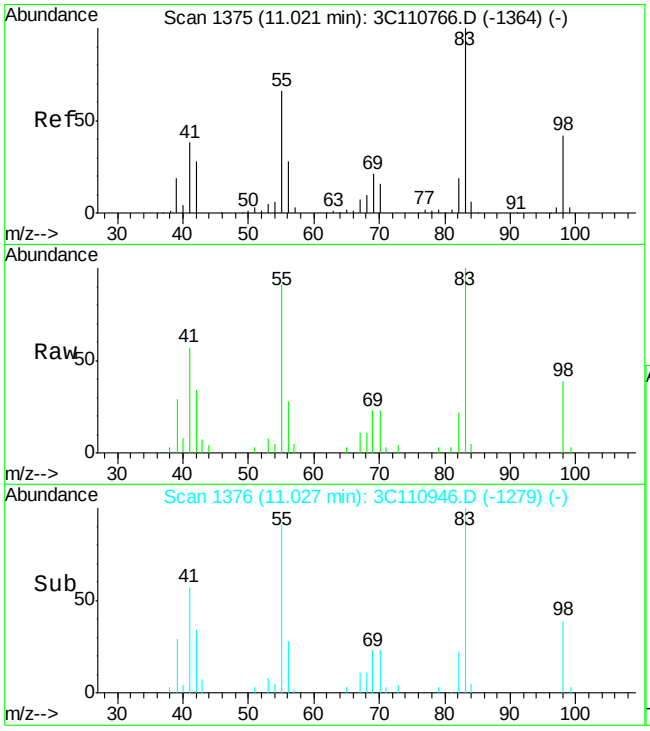


#59
benzene
Concen: 0.22 ug/L
RT: 10.10 min Scan# 1199
Delta R.T. 0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 78 Resp: 844

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	54.5
52	0.0	0.0	50.4

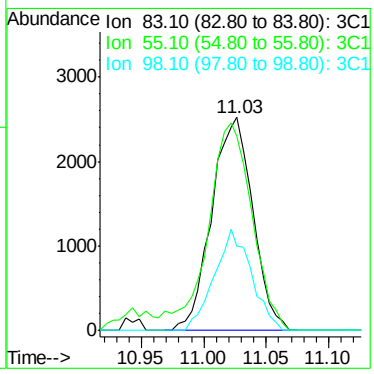


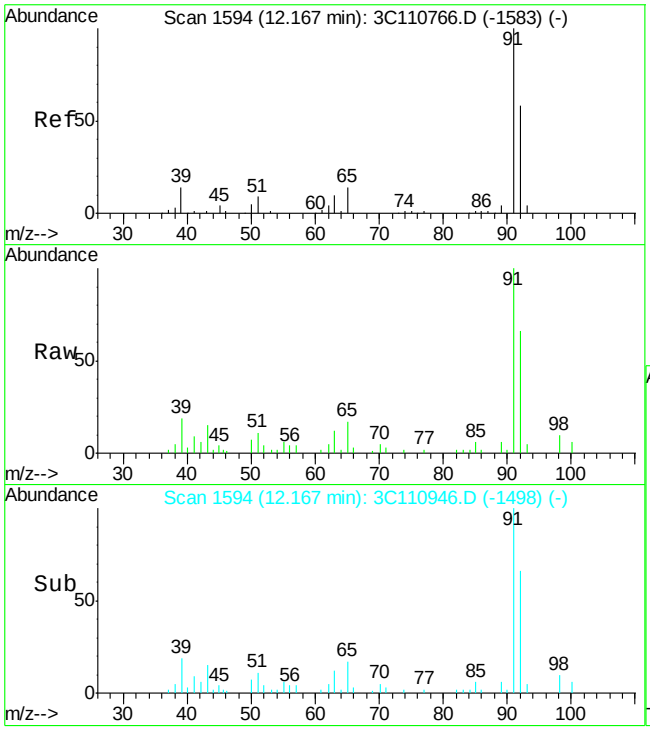


#70
methylcyclohexane
Concen: 3.56 ug/L
RT: 11.03 min Scan# 1376
Delta R.T. 0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 83 Resp: 5767

Ion	Ratio	Lower	Upper
83	100		
55	91.0	69.4	129.4
98	39.4	12.3	72.3

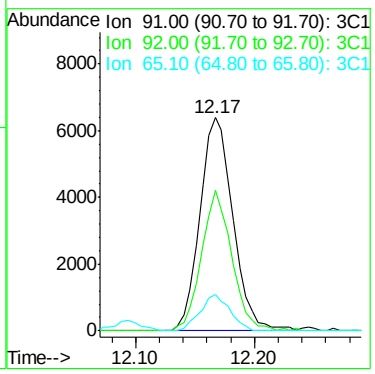


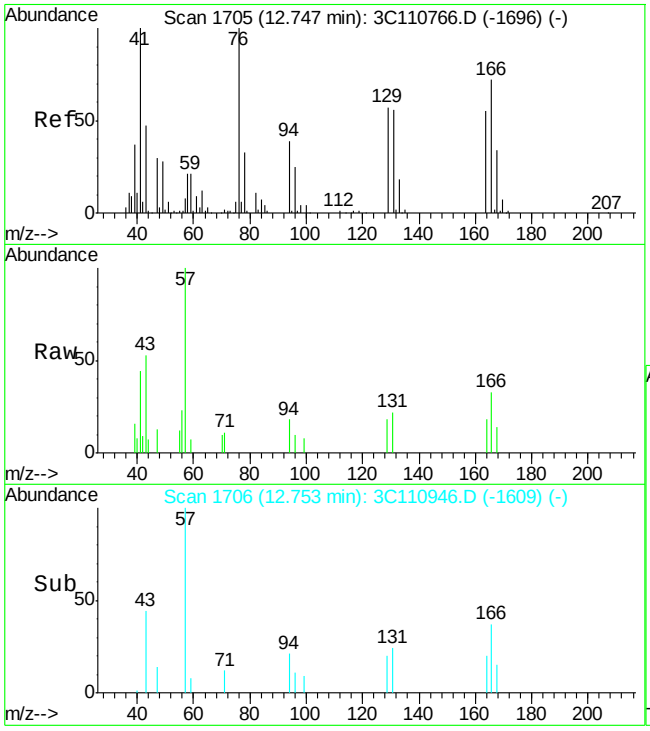


#76
toluene
Concen: 3.36 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 91 Resp: 12348

Ion	Ratio	Lower	Upper
91	100		
92	65.7	28.4	88.4
65	17.2	0.0	44.5

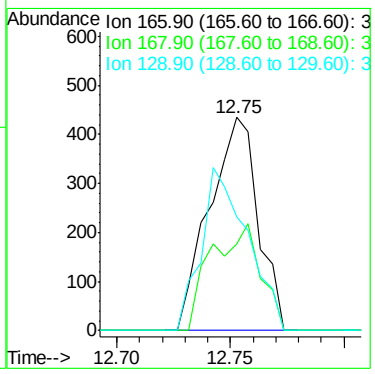


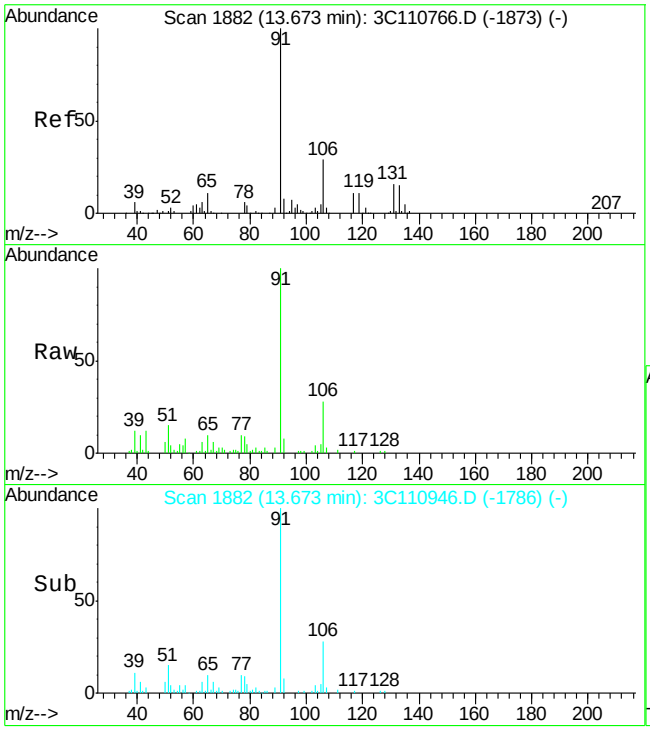


#83
tetrachloroethene
Concen: 0.93 ug/L
RT: 12.75 min Scan# 1706
Delta R.T. 0.01 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion:166 Resp: 649

Ion	Ratio	Lower	Upper
166	100		
168	40.7	17.4	77.4
129	53.3	49.1	109.1

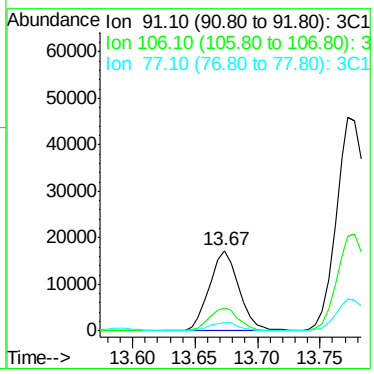


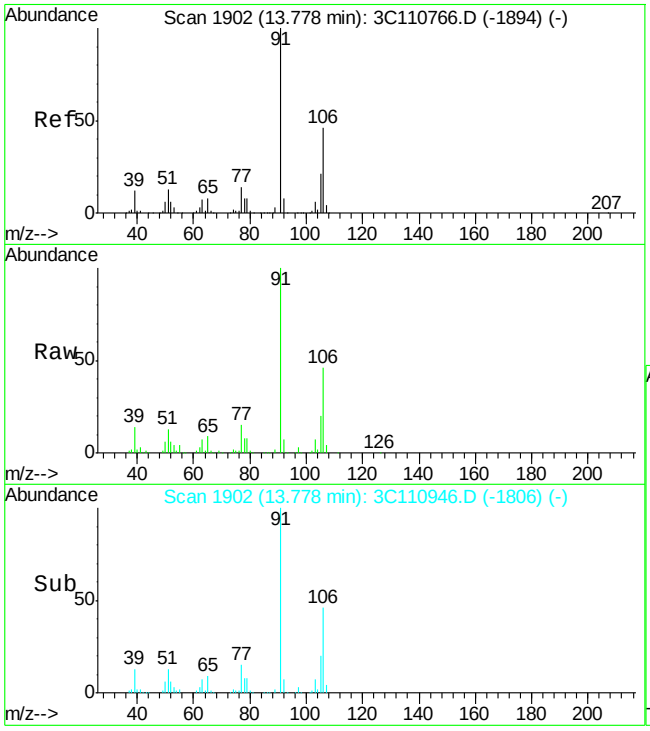


#91
ethylbenzene
Concen: 8.25 ug/L
RT: 13.67 min Scan# 1882
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 91 Resp: 28526

Ion	Ratio	Lower	Upper
91	100		
106	28.0	0.0	59.1
77	10.0	0.0	39.8

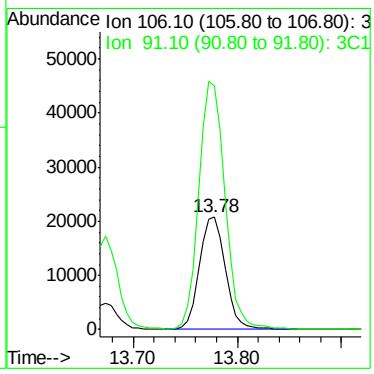


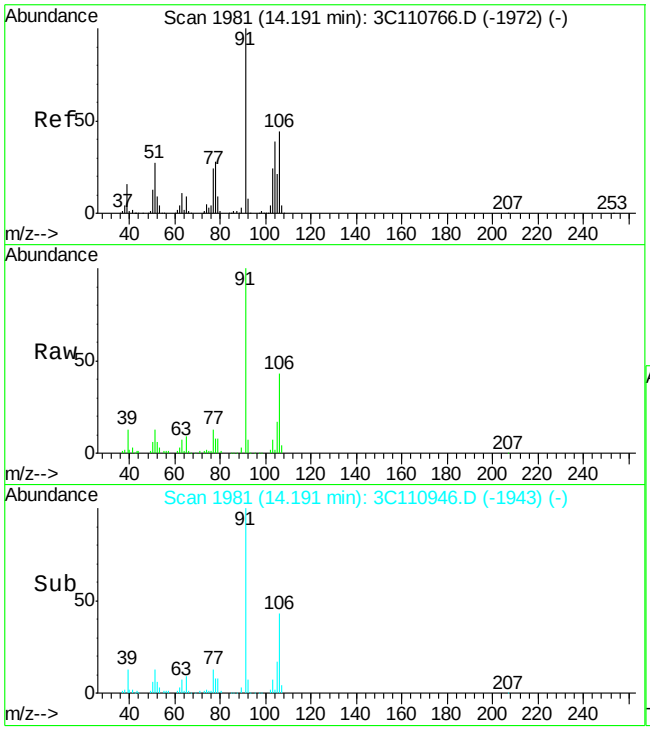


#92
m,p-xylene
Concen: 29.84 ug/L
RT: 13.78 min Scan# 1902
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion:106 Resp: 35854

Ion	Ratio	Lower	Upper
106	100		
91	217.0	153.9	285.9

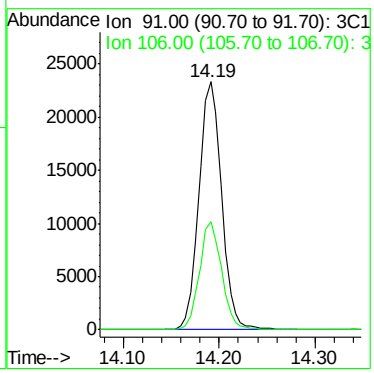


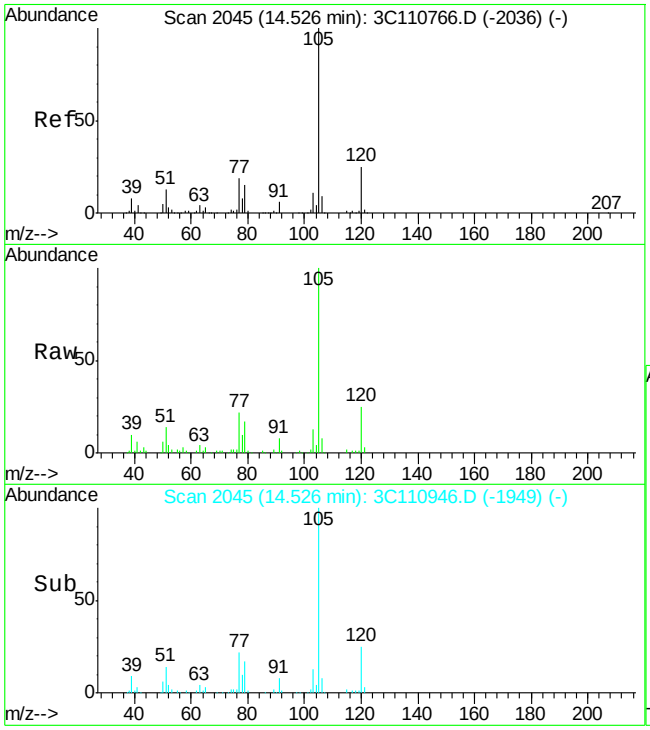


#93
o-xylene
Concen: 14.02 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion: 91 Resp: 38306

Ion	Ratio	Lower	Upper
91	100		
106	43.4	30.7	57.1

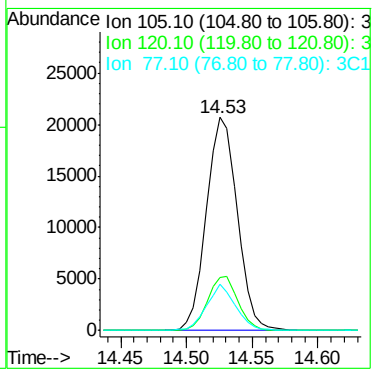




#98
isopropylbenzene
Concen: 11.86 ug/L
RT: 14.53 min Scan# 2045
Delta R.T. 0.00 min
Lab File: 3C110946.D
Acq: 22 Jun 2014 3:51 pm

Tgt Ion:105 Resp: 33766

Ion	Ratio	Lower	Upper
105	100		
120	24.9	0.0	55.3
77	21.9	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110947.D
Acq On : 22 Jun 2014 4:19 pm
Operator : prashans
Sample : JB69123-4
Misc : MS69087,V3C4996,4.7,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 10:11:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

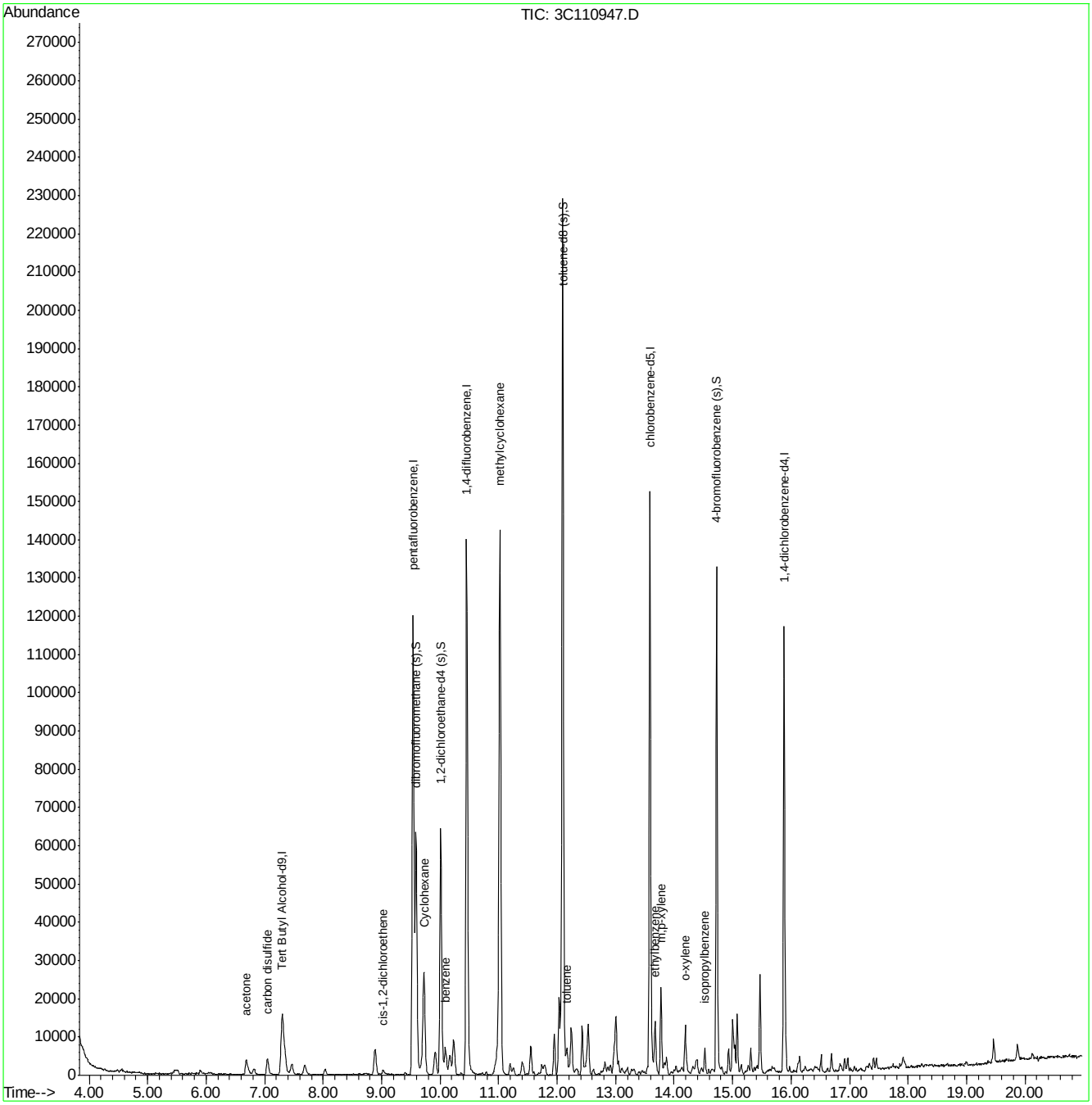
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	29958	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	84779	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	115216	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	71372	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	24102	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	41474	53.70	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.40%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	56338	49.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 99.24%			
74) toluene-d8 (s)	12.09	98	150794	50.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.04%			
99) 4-bromofluorobenzene (s)	14.73	95	45629	62.56	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 125.12%			
Target Compounds						Qvalue
18) acetone	6.69	58	1797	16.81	ug/L	88
23) carbon disulfide	7.05	76	7974	2.59	ug/L	98
37) cis-1,2-dichloroethene	9.02	61	552	0.30	ug/L	95
49) Cyclohexane	9.72	84	10911	7.84	ug/L #	34
59) benzene	10.10	78	1268	0.33	ug/L	93
70) methylcyclohexane	11.02	83	59333	36.82	ug/L	99
76) toluene	12.17	91	2624	0.72	ug/L	91
91) ethylbenzene	13.68	91	4018	1.24	ug/L	92
92) m,p-xylene	13.78	106	5600	4.96	ug/L	99
93) o-xylene	14.19	91	6985	2.72	ug/L	96
98) isopropylbenzene	14.53	105	3911	1.64	ug/L	97

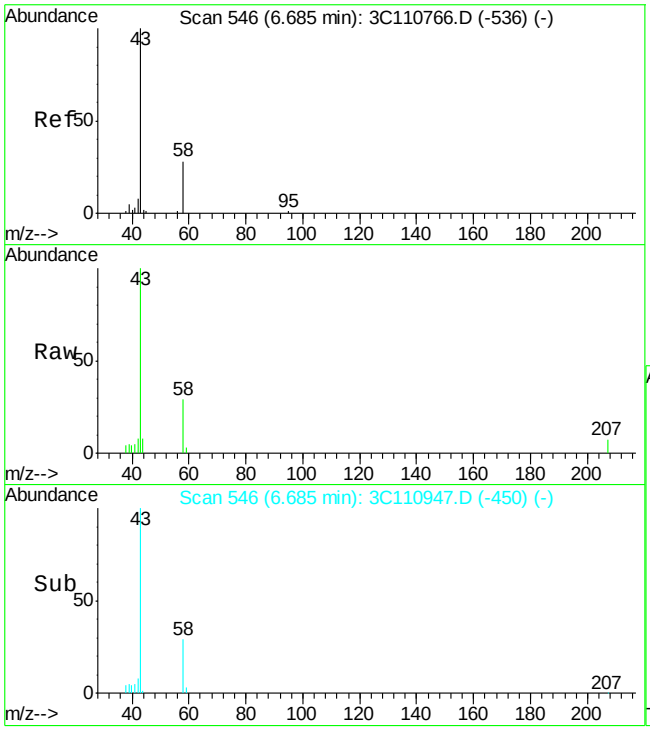
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110947.D
Acq On : 22 Jun 2014 4:19 pm
Operator : prashans
Sample : JB69123-4
Misc : MS69087,V3C4996,4.7,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 10:11:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

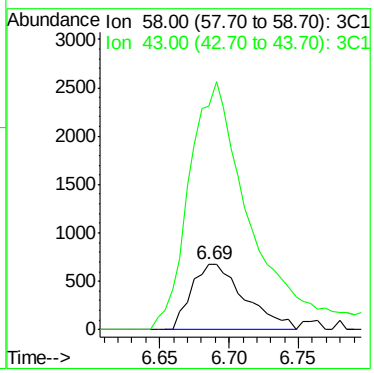


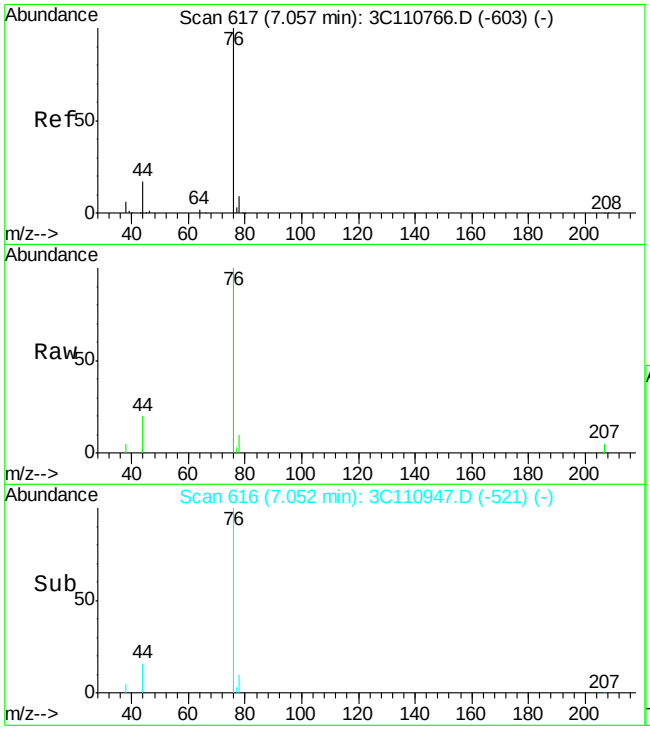


#18
acetone
Concen: 16.81 ug/L
RT: 6.69 min Scan# 546
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 58 Resp: 1797

Ion	Ratio	Lower	Upper
58	100		
43	340.0	336.0	396.0

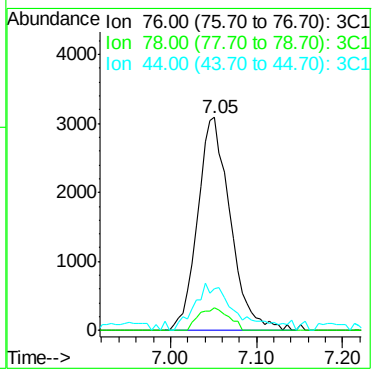


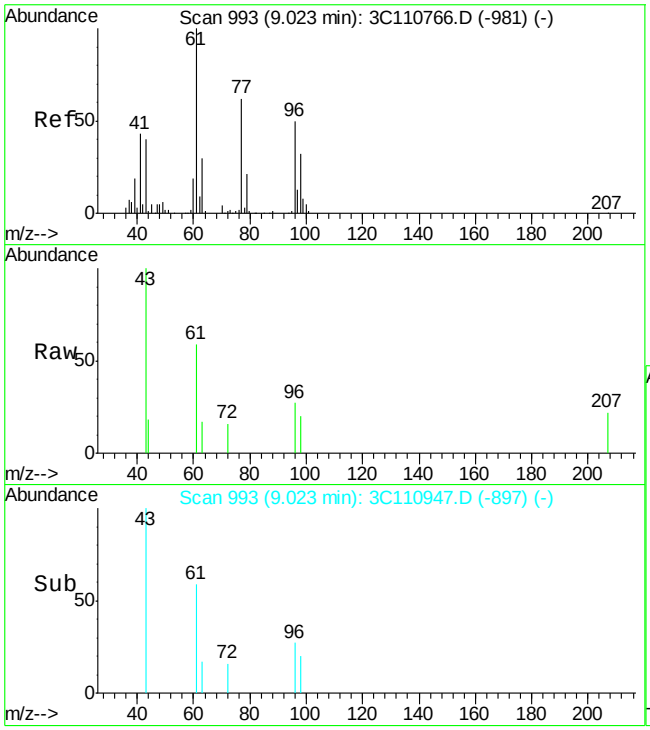


#23
carbon disulfide
Concen: 2.59 ug/L
RT: 7.05 min Scan# 616
Delta R.T. -0.01 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 76 Resp: 7974

Ion	Ratio	Lower	Upper
76	100		
78	10.4	0.0	39.2
44	17.2	0.0	46.7

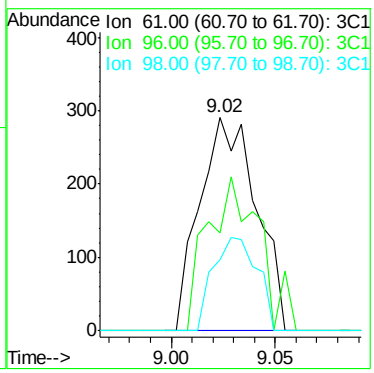


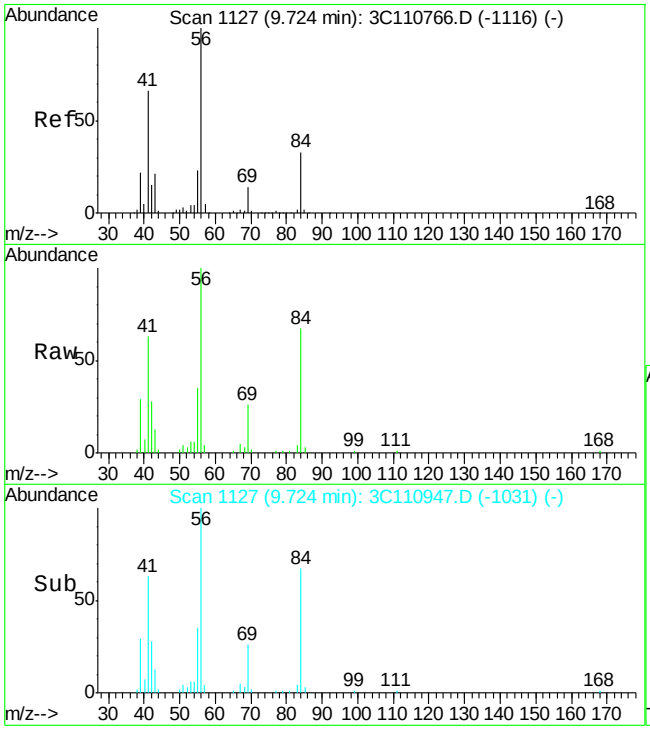


#37
cis-1,2-dichloroethene
Concen: 0.30 ug/L
RT: 9.02 min Scan# 993
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 61 Resp: 552

Ion	Ratio	Lower	Upper
61	100		
96	45.7	20.4	80.4
98	33.3	2.1	62.1

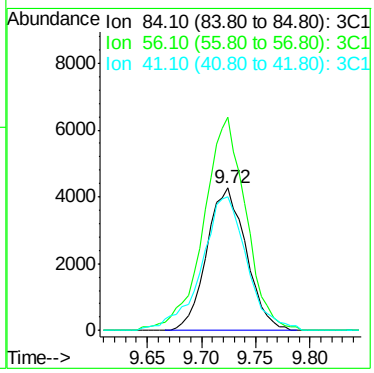


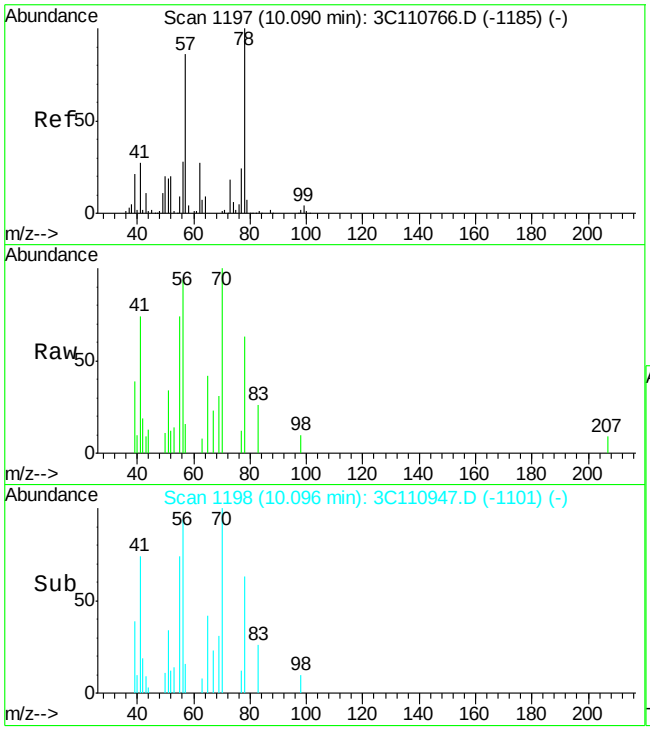


#49
Cyclohexane
Concen: 7.84 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 84 Resp: 10911

Ion	Ratio	Lower	Upper
84	100		
56	159.4	206.7	383.9#
41	107.3	136.6	253.6#

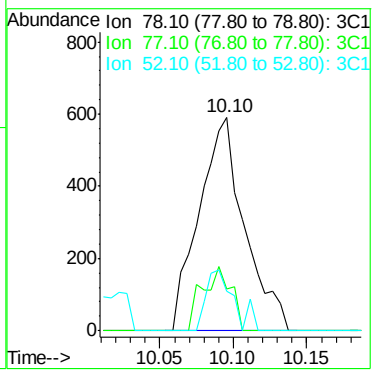


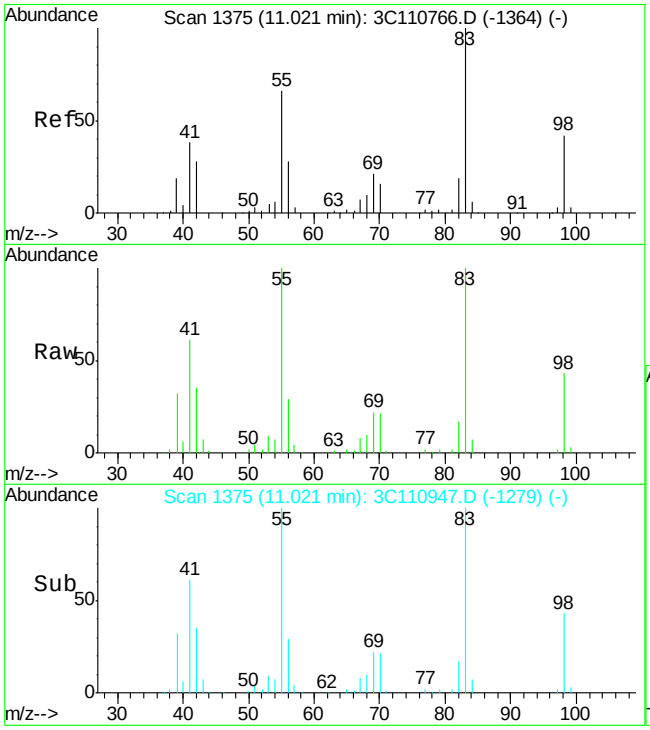


#59
benzene
Concen: 0.33 ug/L
RT: 10.10 min Scan# 1198
Delta R.T. 0.01 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 78 Resp: 1268

Ion	Ratio	Lower	Upper
78	100		
77	19.6	0.0	54.5
52	18.6	0.0	50.4

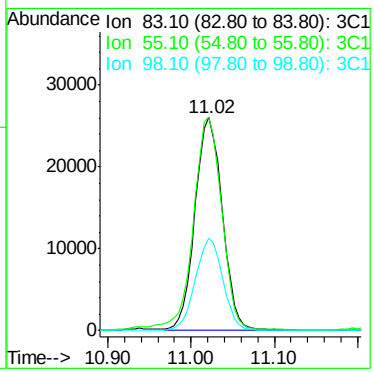


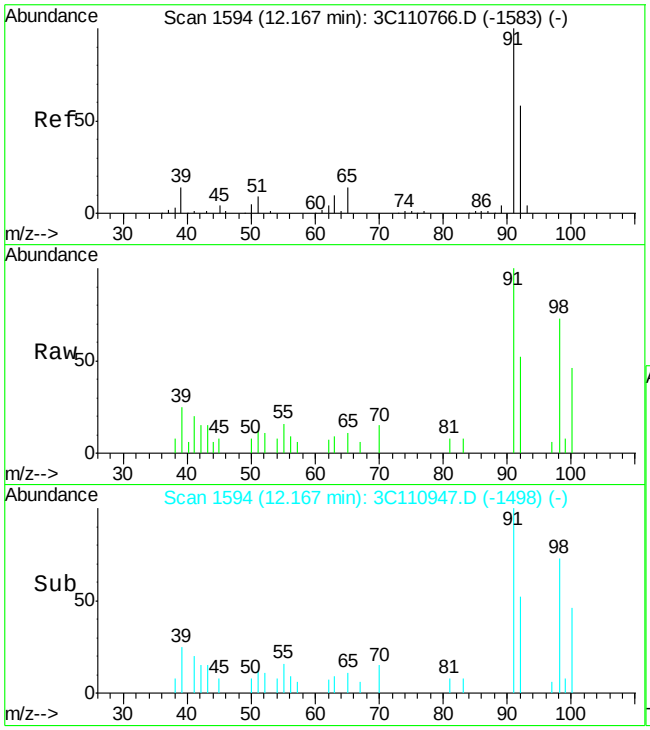


#70
methylcyclohexane
Concen: 36.82 ug/L
RT: 11.02 min Scan# 1375
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 83 Resp: 59333

Ion	Ratio	Lower	Upper
83	100		
55	99.7	69.4	129.4
98	43.4	12.3	72.3

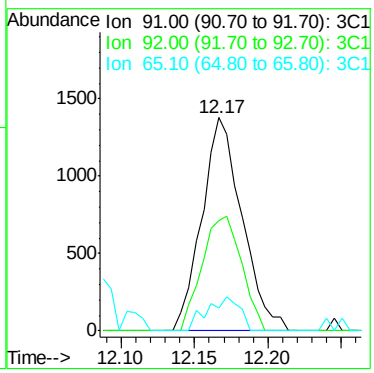


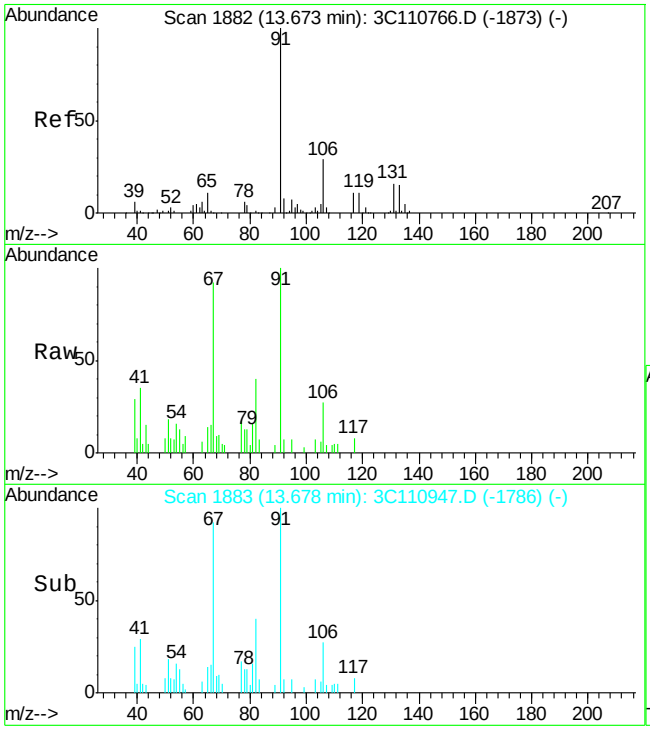


#76
toluene
Concen: 0.72 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 91 Resp: 2624

Ion	Ratio	Lower	Upper
91	100		
92	51.9	28.4	88.4
65	10.7	0.0	44.5

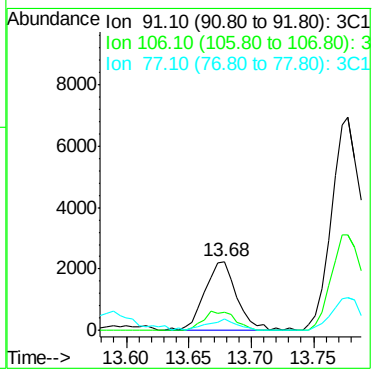


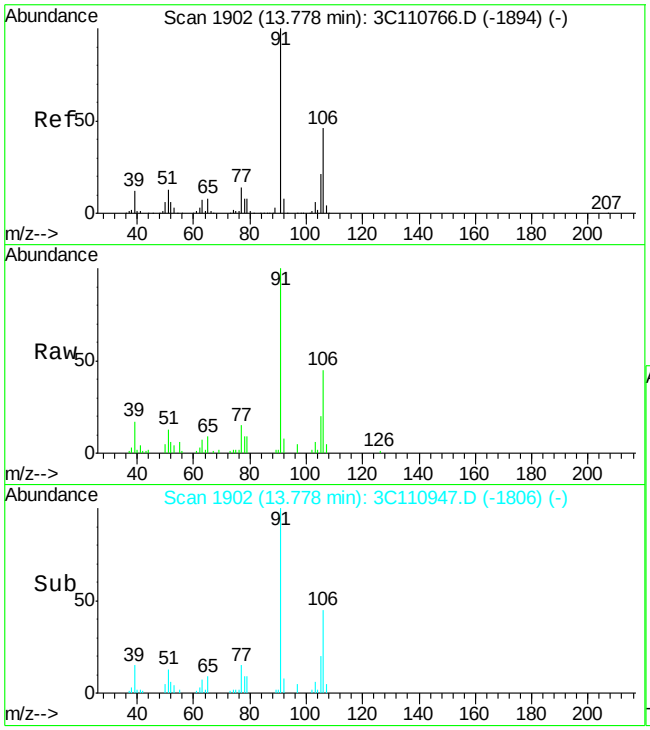


#91
ethylbenzene
Concen: 1.24 ug/L
RT: 13.68 min Scan# 1883
Delta R.T. 0.01 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 91 Resp: 4018

Ion	Ratio	Lower	Upper
91	100		
106	27.1	0.0	59.1
77	17.2	0.0	39.8

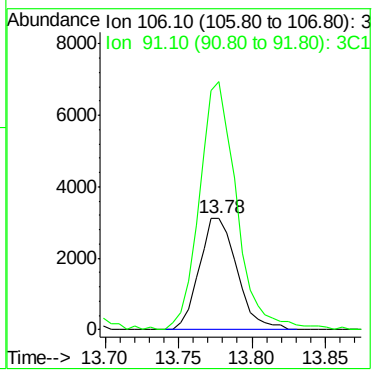


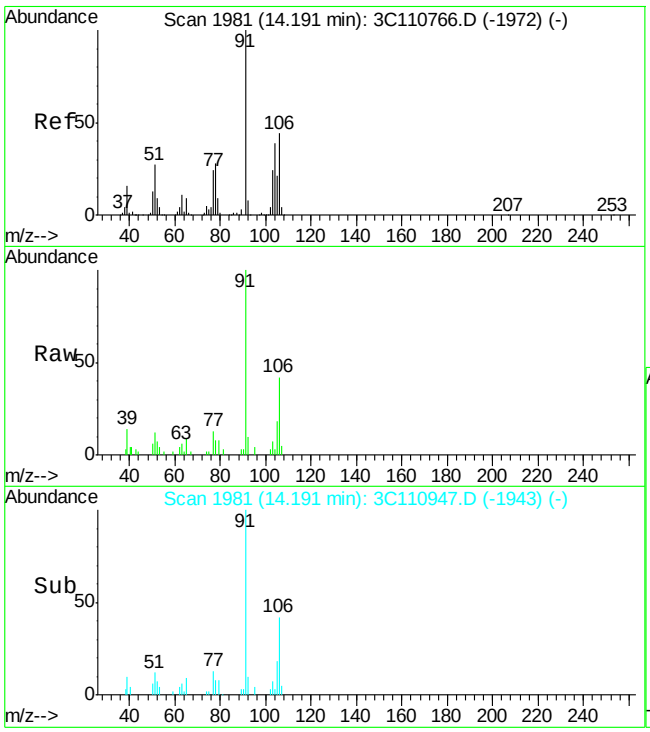


#92
m,p-xylene
Concen: 4.96 ug/L
RT: 13.78 min Scan# 1902
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion:106 Resp: 5600

Ion	Ratio	Lower	Upper
106	100		
91	221.7	153.9	285.9

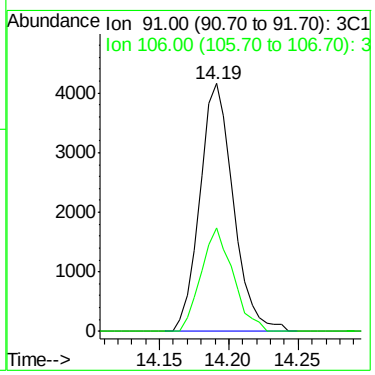


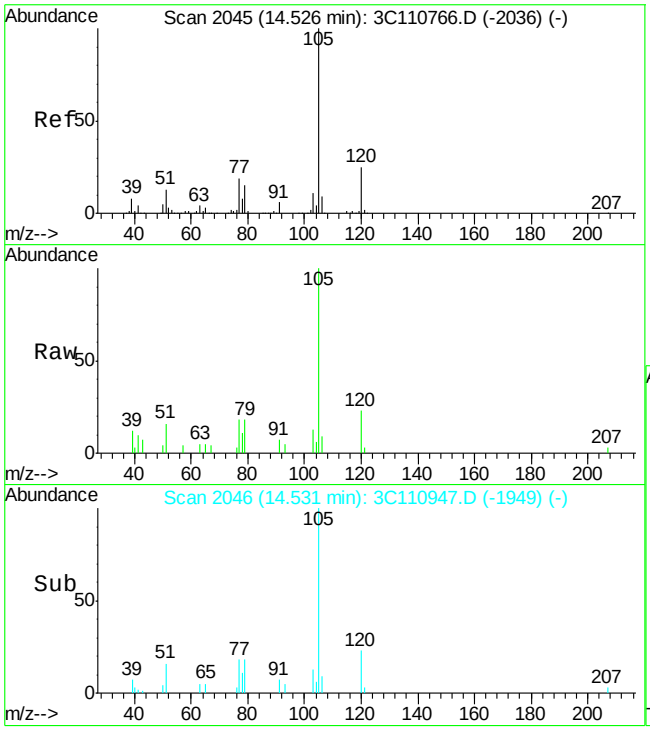


#93
o-xylene
Concen: 2.72 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion: 91 Resp: 6985

Ion	Ratio	Lower	Upper
91	100		
106	41.6	30.7	57.1

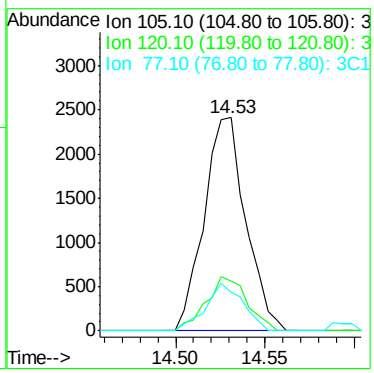




#98
isopropylbenzene
Concen: 1.64 ug/L
RT: 14.53 min Scan# 2046
Delta R.T. 0.01 min
Lab File: 3C110947.D
Acq: 22 Jun 2014 4:19 pm

Tgt Ion:105 Resp: 3911

Ion	Ratio	Lower	Upper
105	100		
120	23.2	0.0	55.3
77	18.0	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110950.D
Acq On : 22 Jun 2014 5:42 pm
Operator : prashans
Sample : JB69123-5
Misc : MS69087,V3C4996,4.6,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 10:13:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

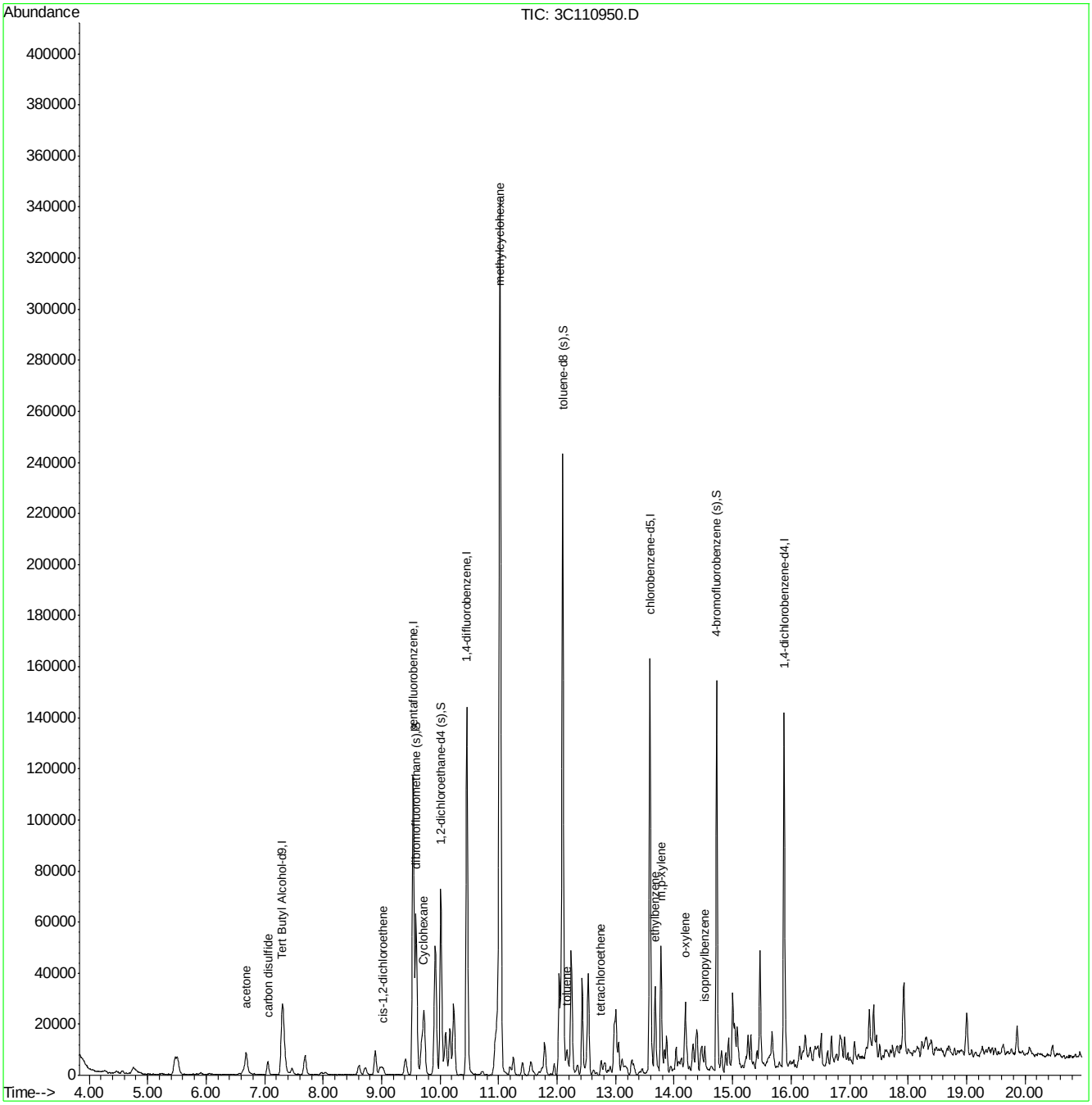
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	37309	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	84227	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	115438	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	76202	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	29709	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	42039	54.79	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 109.58%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	60515	53.64	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.28%			
74) toluene-d8 (s)	12.09	98	156964	52.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.98%			
99) 4-bromofluorobenzene (s)	14.73	95	53684	59.71	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.42%			
Target Compounds						Qvalue
18) acetone	6.69	58	3707	34.90	ug/L	100
23) carbon disulfide	7.05	76	9255	3.02	ug/L	97
37) cis-1,2-dichloroethene	9.03	61	1044	0.58	ug/L	83
49) Cyclohexane	9.72	84	10072	7.29	ug/L	65
70) methylcyclohexane	11.02	83	140102	86.78	ug/L	97
76) toluene	12.17	91	3695	1.01	ug/L	88
83) tetrachloroethene	12.75	166	817	1.17	ug/L	90
91) ethylbenzene	13.67	91	8718	2.51	ug/L	95
92) m,p-xylene	13.77	106	11177	9.27	ug/L	97
93) o-xylene	14.19	91	14544	5.30	ug/L	98
98) isopropylbenzene	14.53	105	5802	1.97	ug/L	99

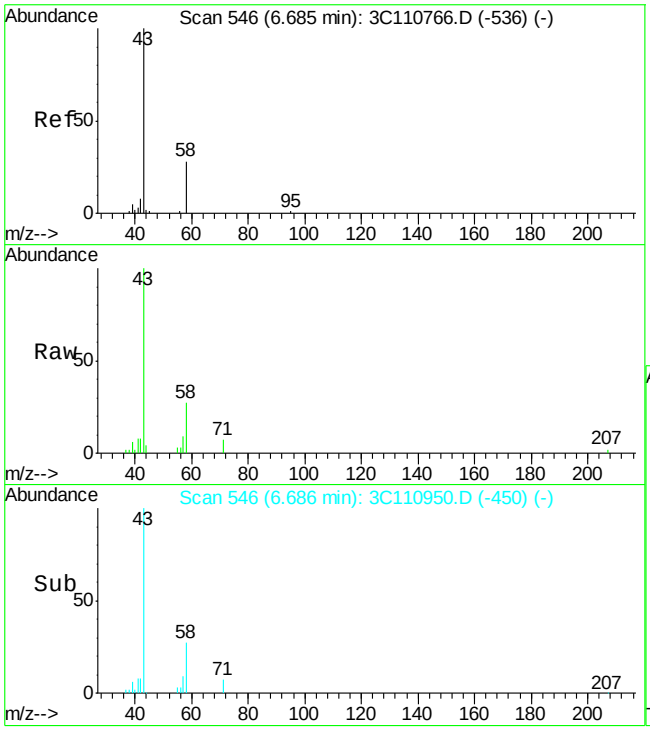
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110950.D
Acq On : 22 Jun 2014 5:42 pm
Operator : prashans
Sample : JB69123-5
Misc : MS69087,V3C4996,4.6,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 10:13:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

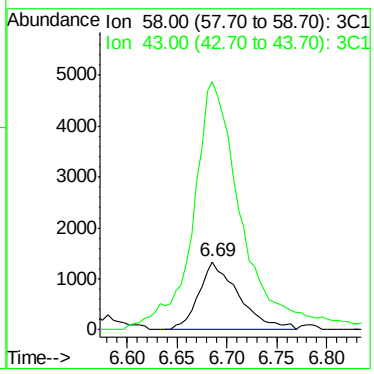


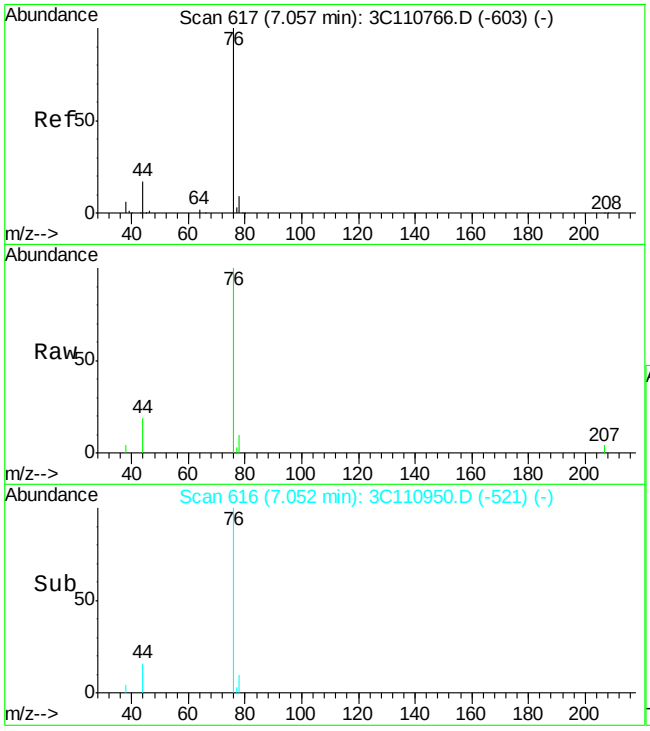


#18
acetone
Concen: 34.90 ug/L
RT: 6.69 min Scan# 546
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 58 Resp: 3707

Ion	Ratio	Lower	Upper
58	100		
43	366.0	336.0	396.0

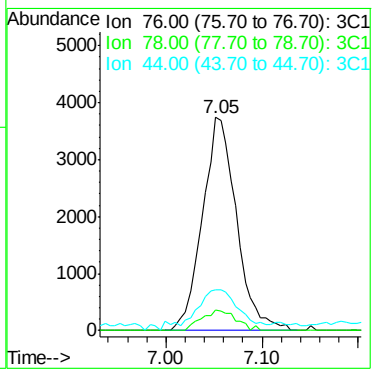


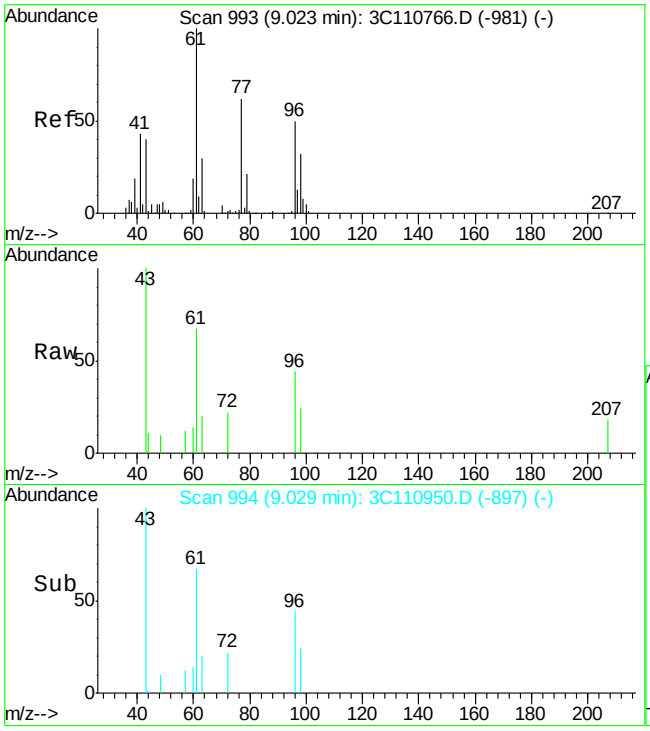


#23
carbon disulfide
Concen: 3.02 ug/L
RT: 7.05 min Scan# 616
Delta R.T. -0.01 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 76 Resp: 9255

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.2
44	15.1	0.0	46.7

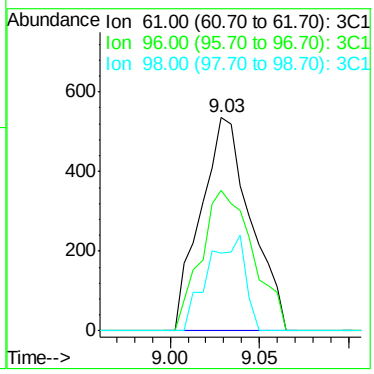


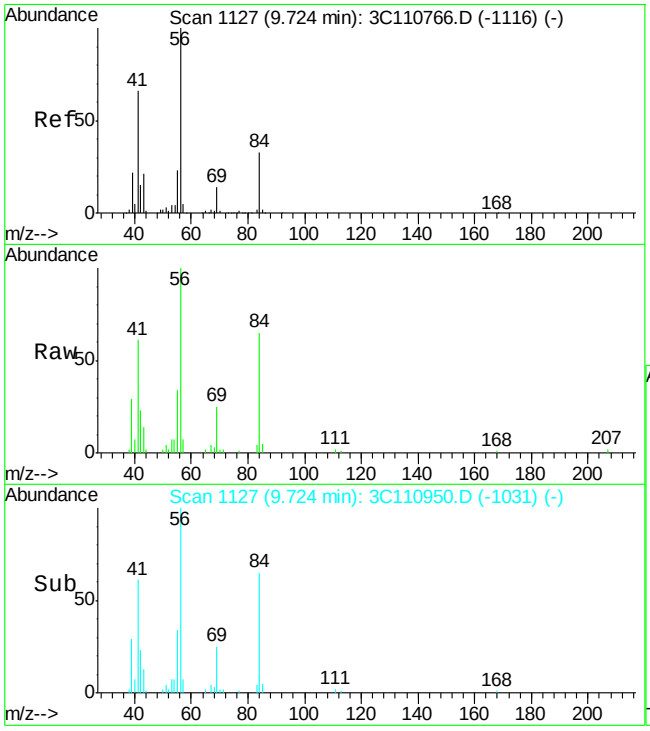


#37
cis-1,2-dichloroethene
Concen: 0.58 ug/L
RT: 9.03 min Scan# 994
Delta R.T. 0.01 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 61 Resp: 1044

Ion	Ratio	Lower	Upper
61	100		
96	66.0	20.4	80.4
98	36.2	2.1	62.1

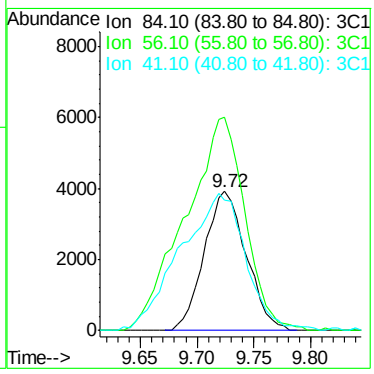


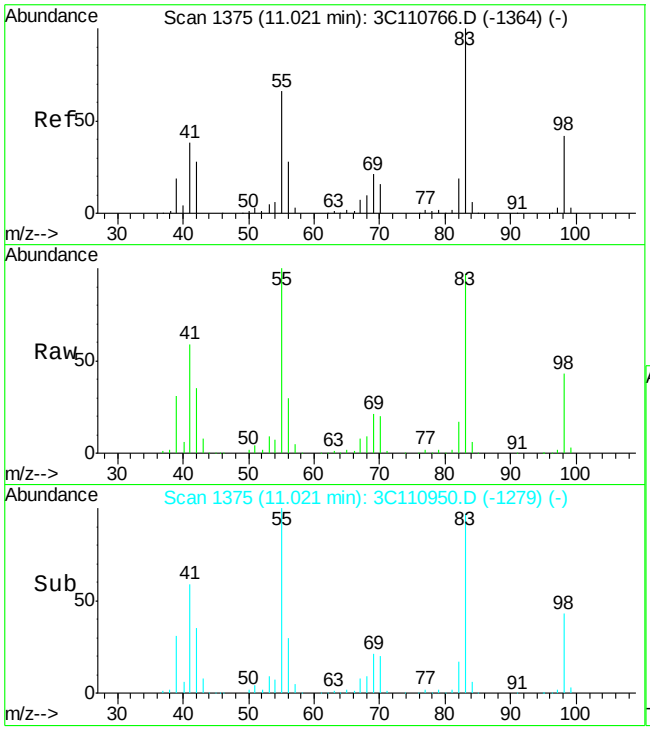


#49
Cyclohexane
Concen: 7.29 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 84 Resp: 10072

Ion	Ratio	Lower	Upper
84	100		
56	217.2	206.7	383.9
41	153.7	136.6	253.6

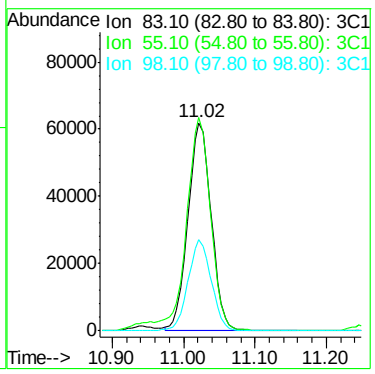


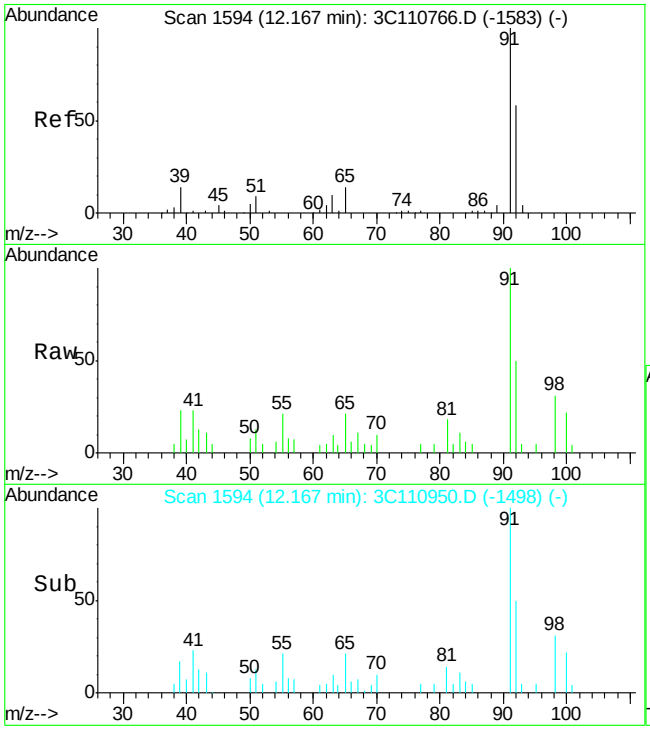


#70
methylcyclohexane
Concen: 86.78 ug/L
RT: 11.02 min Scan# 1375
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 83 Resp: 140102

Ion	Ratio	Lower	Upper
83	100		
55	102.6	69.4	129.4
98	43.8	12.3	72.3

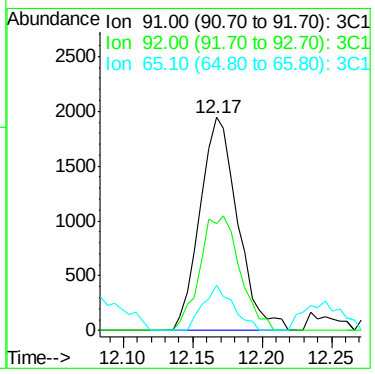


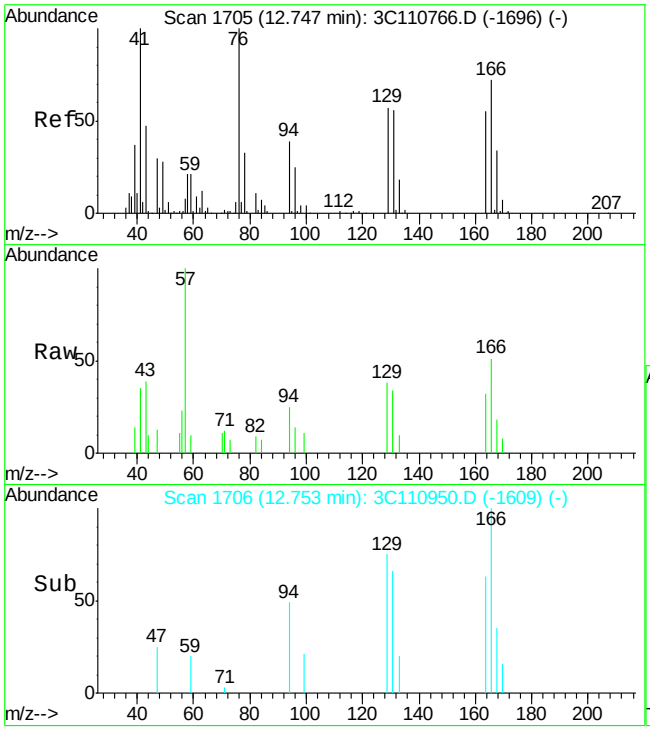


#76
toluene
Concen: 1.01 ug/L
RT: 12.17 min Scan# 1594
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 91 Resp: 3695

Ion	Ratio	Lower	Upper
91	100		
92	50.1	28.4	88.4
65	21.1	0.0	44.5

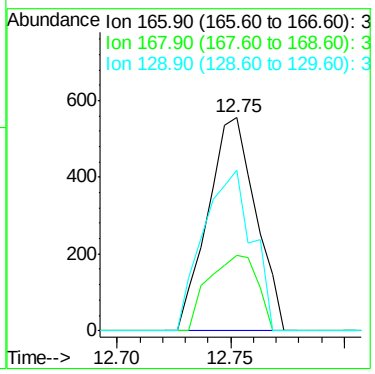


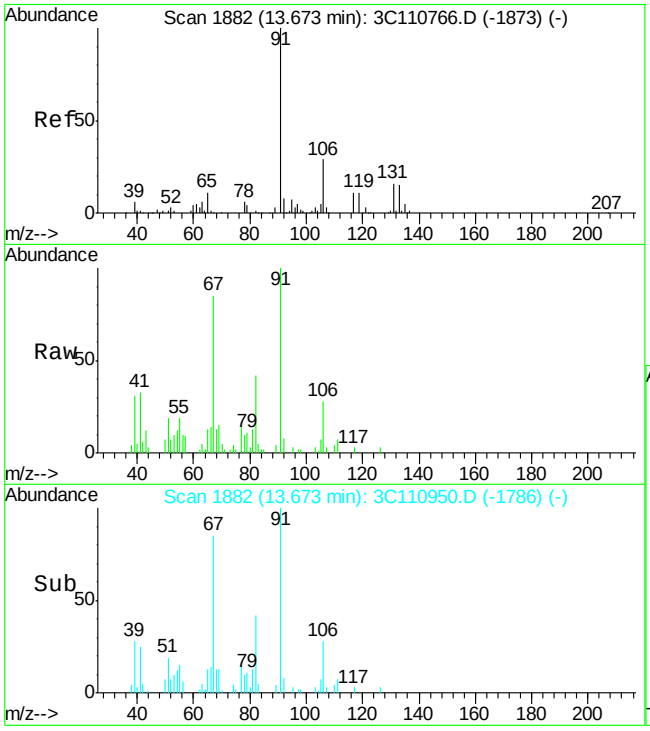


#83
tetrachloroethene
Concen: 1.17 ug/L
RT: 12.75 min Scan# 1706
Delta R.T. 0.01 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion:166 Resp: 817

Ion	Ratio	Lower	Upper
166	100		
168	35.3	17.4	77.4
129	75.2	49.1	109.1

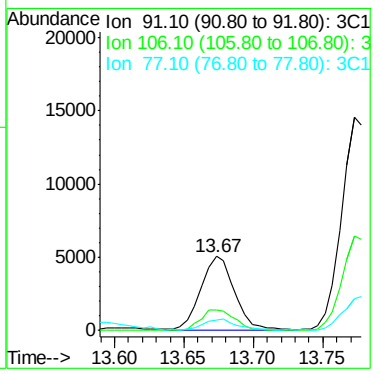


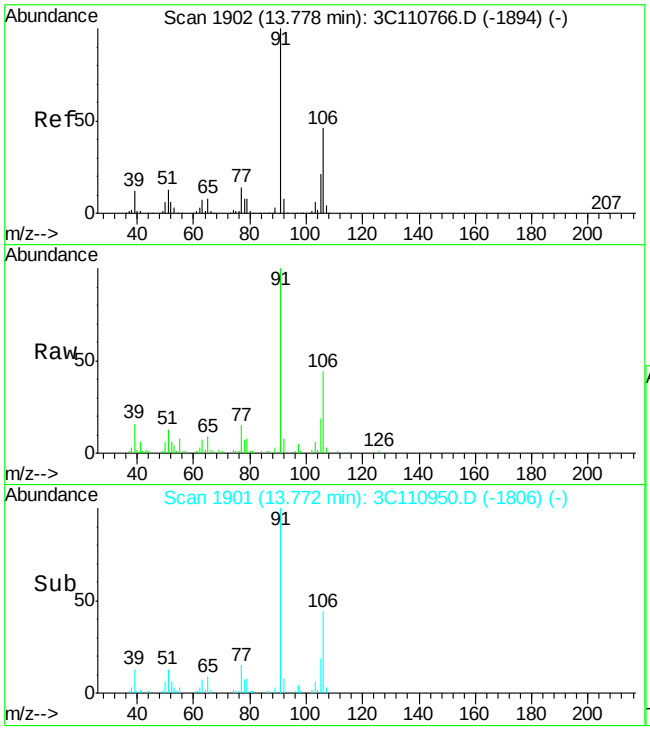


#91
ethylbenzene
Concen: 2.51 ug/L
RT: 13.67 min Scan# 1882
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 91 Resp: 8718

Ion	Ratio	Lower	Upper
91	100		
106	28.1	0.0	59.1
77	14.4	0.0	39.8

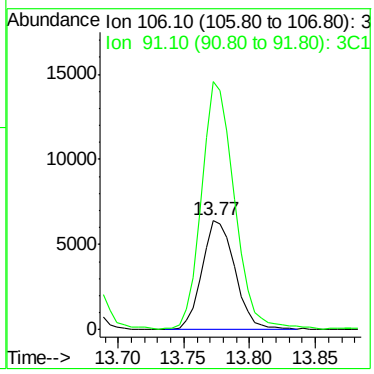


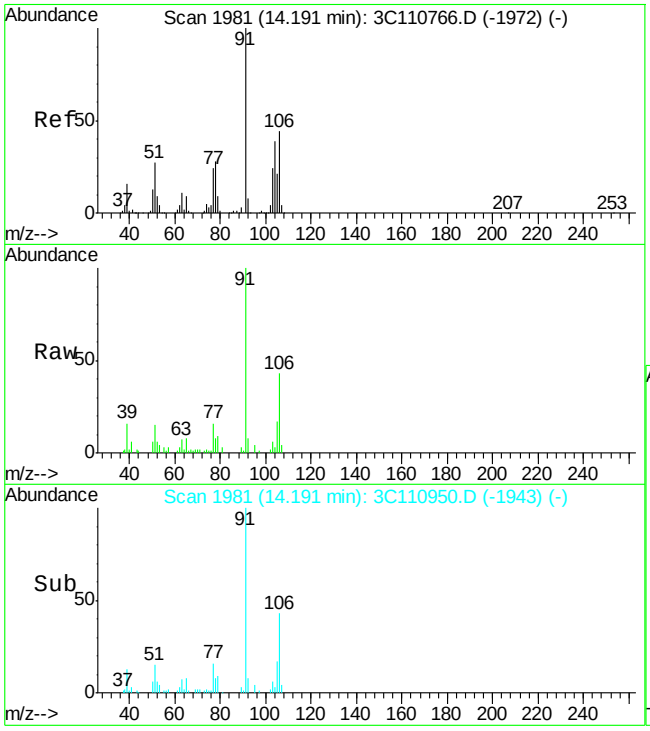


#92
m,p-xylene
Concen: 9.27 ug/L
RT: 13.77 min Scan# 1901
Delta R.T. -0.01 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion:106 Resp: 11177

Ion	Ratio	Lower	Upper
106	100		
91	224.4	153.9	285.9

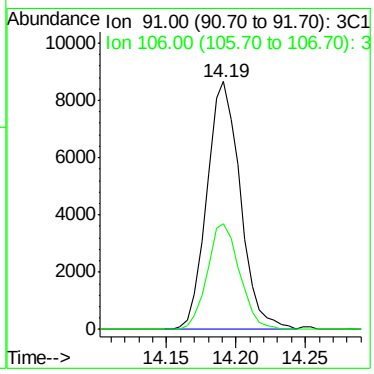


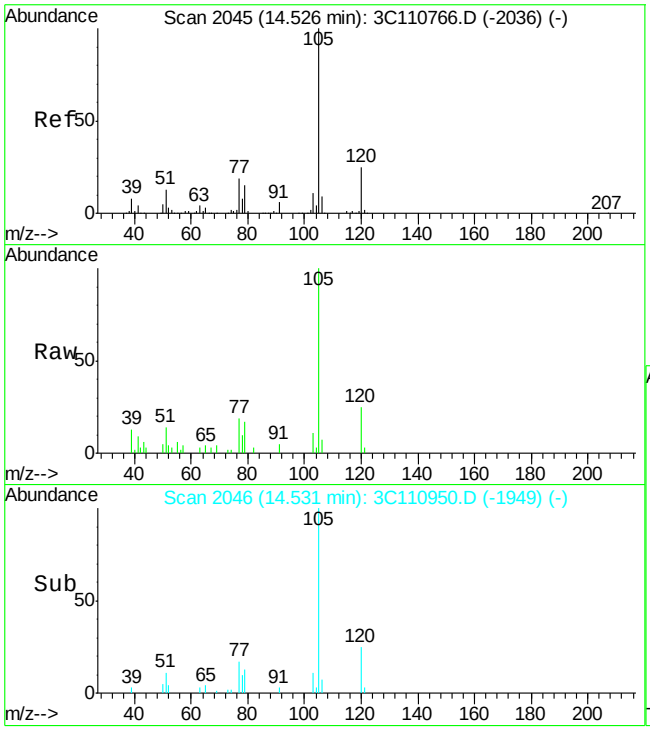


#93
o-xylene
Concen: 5.30 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion: 91 Resp: 14544

Ion	Ratio	Lower	Upper
91	100		
106	42.7	30.7	57.1

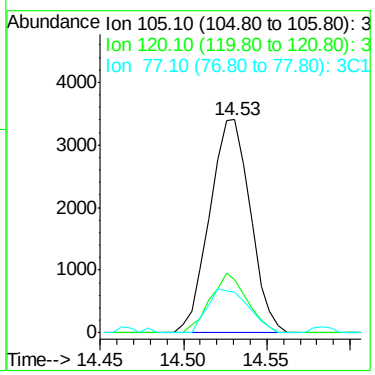




#98
isopropylbenzene
Concen: 1.97 ug/L
RT: 14.53 min Scan# 2046
Delta R.T. 0.01 min
Lab File: 3C110950.D
Acq: 22 Jun 2014 5:42 pm

Tgt Ion:105 Resp: 5802

Ion	Ratio	Lower	Upper
105	100		
120	24.8	0.0	55.3
77	19.3	0.0	48.6



7.1.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110949.D
Acq On : 22 Jun 2014 5:14 pm
Operator : prashans
Sample : JB69123-6
Misc : MS69087,V3C4996,3.9,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 10:12:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

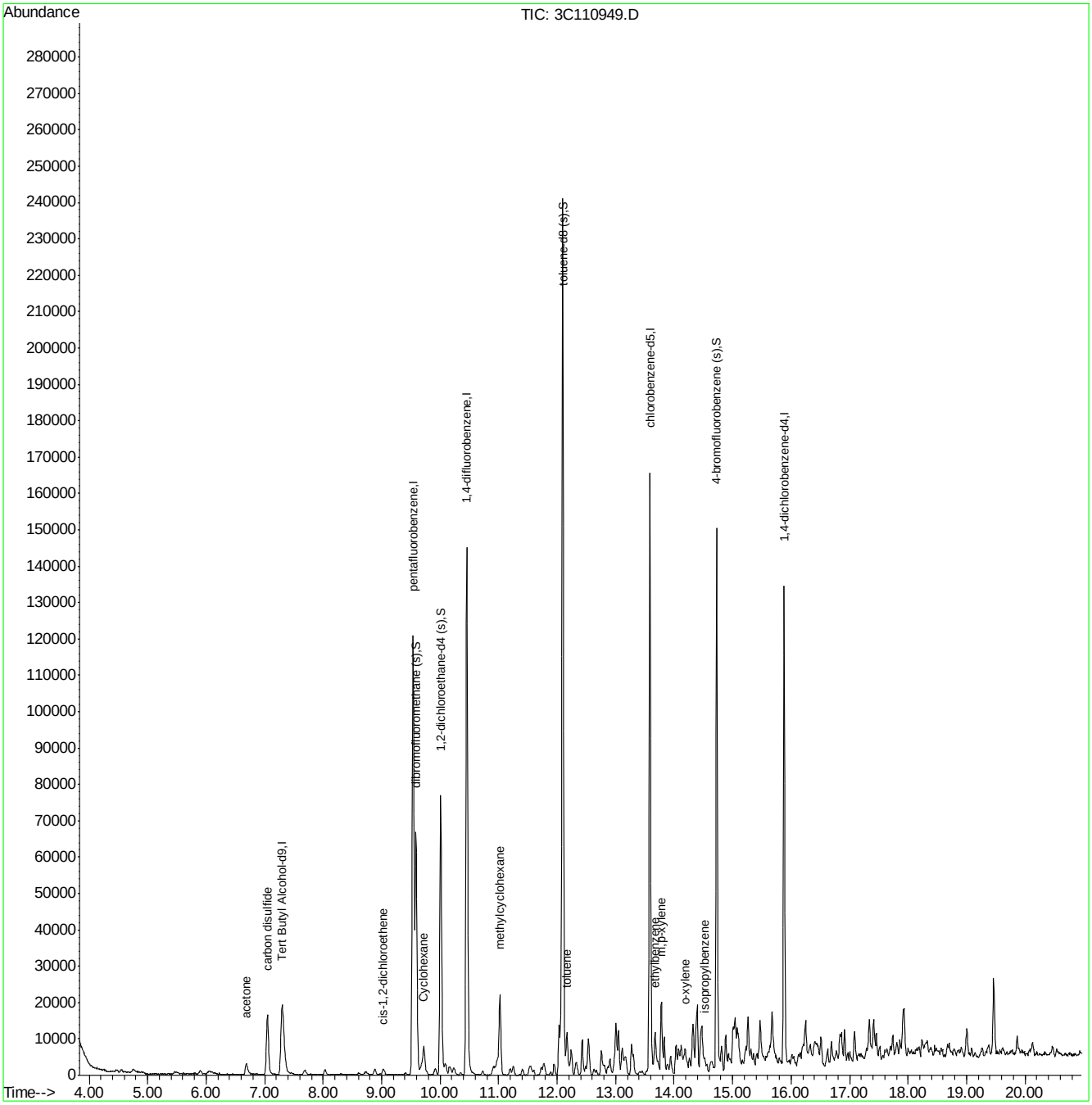
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	38717	500.00	ug/L	-0.01
5) pentafluorobenzene	9.54	168	85992	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	118016	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	77037	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	27354	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	44297	56.55	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 113.10%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	65709	57.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 114.10%			
74) toluene-d8 (s)	12.09	98	157517	51.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.04%			
99) 4-bromofluorobenzene (s)	14.73	95	52140	62.99	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 125.98%			
Target Compounds						Qvalue
18) acetone	6.69	58	1623	14.96	ug/L	99
23) carbon disulfide	7.05	76	30426	9.73	ug/L	97
37) cis-1,2-dichloroethene	9.03	61	1027	0.56	ug/L	80
49) Cyclohexane	9.72	84	3040	2.15	ug/L #	50
70) methylcyclohexane	11.02	83	9014	5.46	ug/L	98
76) toluene	12.17	91	5751	1.54	ug/L	93
91) ethylbenzene	13.68	91	1652	0.47	ug/L	93
92) m,p-xylene	13.78	106	2257	1.85	ug/L	89
93) o-xylene	14.19	91	2711	0.98	ug/L	93
98) isopropylbenzene	14.53	105	1211	0.45	ug/L	85

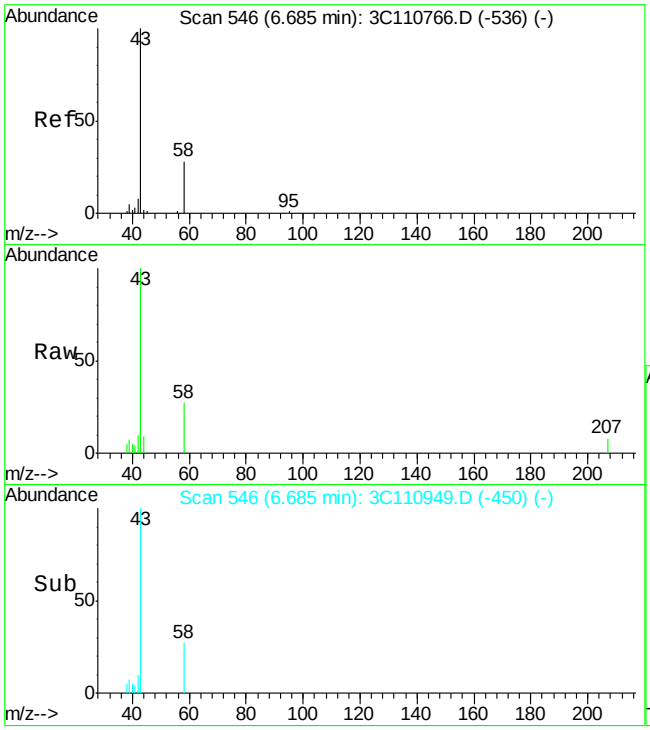
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110949.D
Acq On : 22 Jun 2014 5:14 pm
Operator : prashans
Sample : JB69123-6
Misc : MS69087,V3C4996,3.9,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 10:12:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

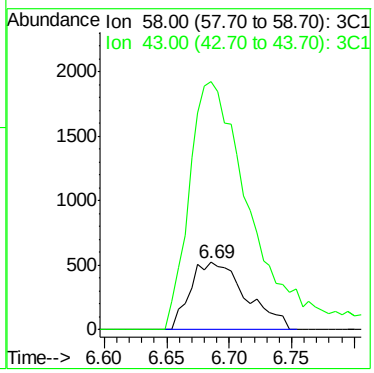


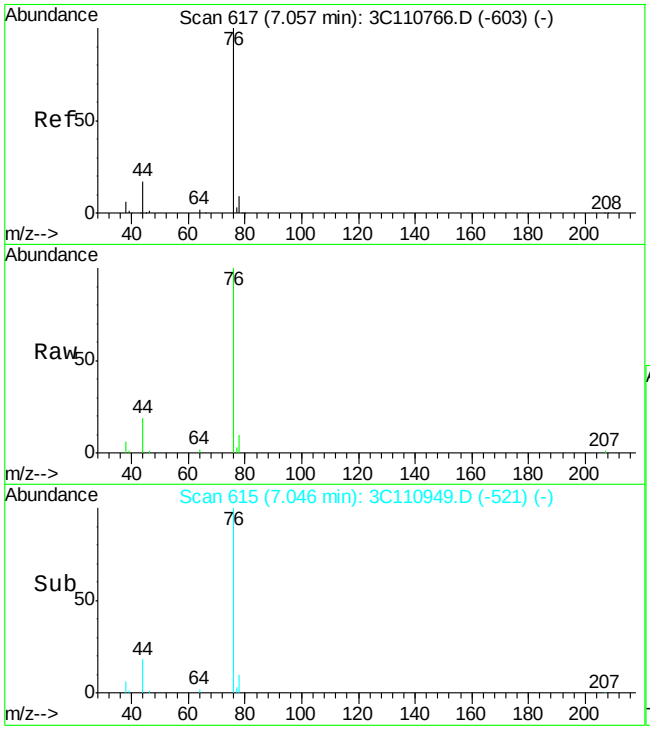


#18
acetone
Concen: 14.96 ug/L
RT: 6.69 min Scan# 546
Delta R.T. 0.00 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 58 Resp: 1623

Ion	Ratio	Lower	Upper
58	100		
43	367.3	336.0	396.0

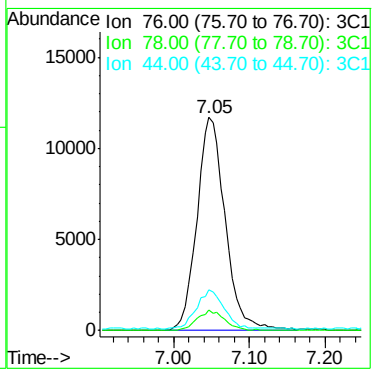


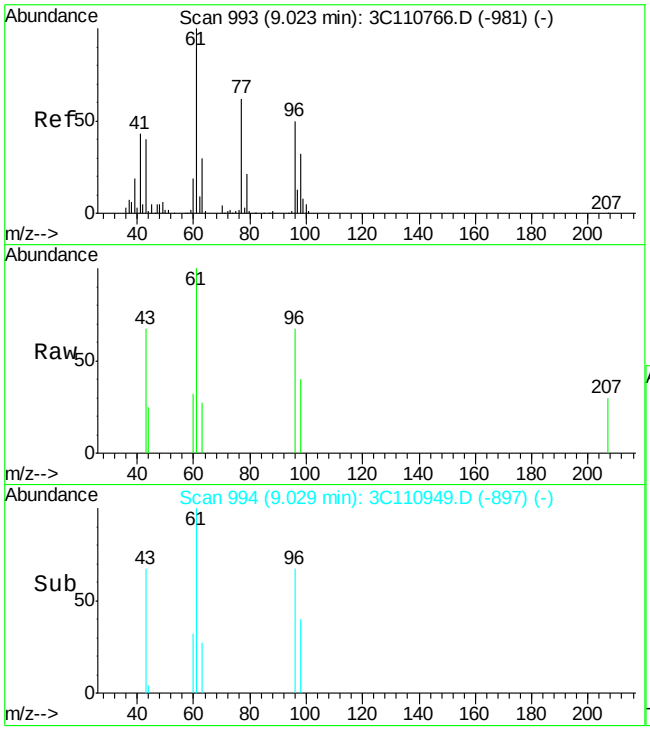


#23
carbon disulfide
Concen: 9.73 ug/L
RT: 7.05 min Scan# 615
Delta R.T. -0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 76 Resp: 30426

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	39.2
44	18.1	0.0	46.7

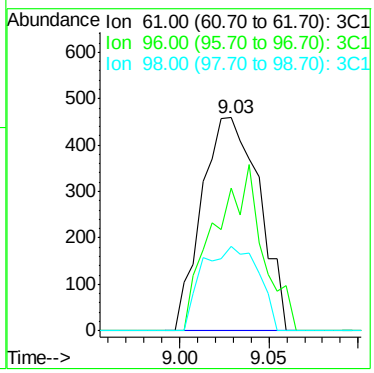


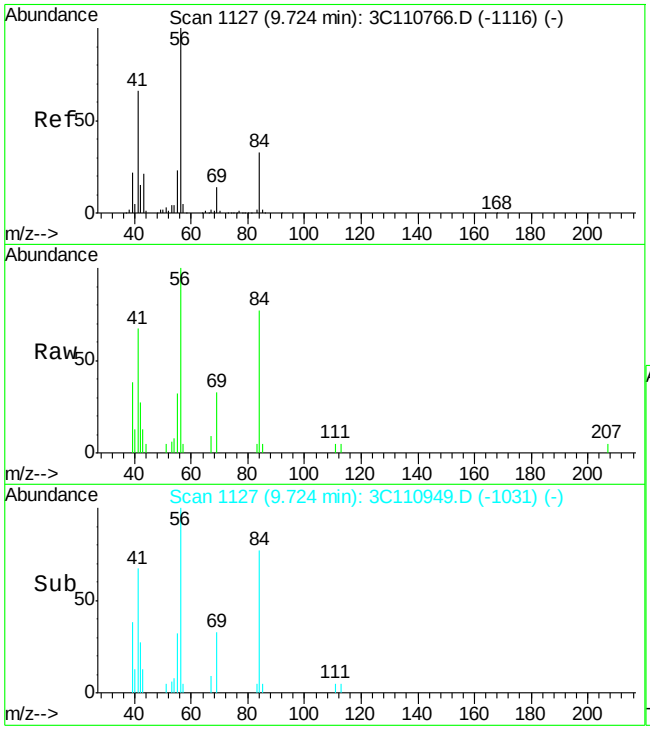


#37
cis-1,2-dichloroethene
Concen: 0.56 ug/L
RT: 9.03 min Scan# 994
Delta R.T. 0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 61 Resp: 1027

Ion	Ratio	Lower	Upper
61	100		
96	67.1	20.4	80.4
98	39.7	2.1	62.1

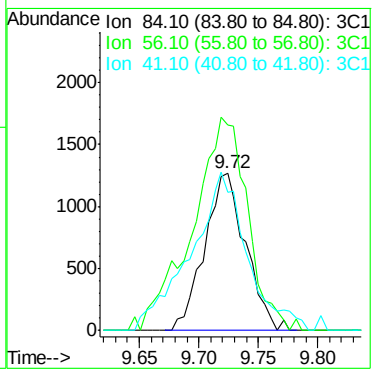


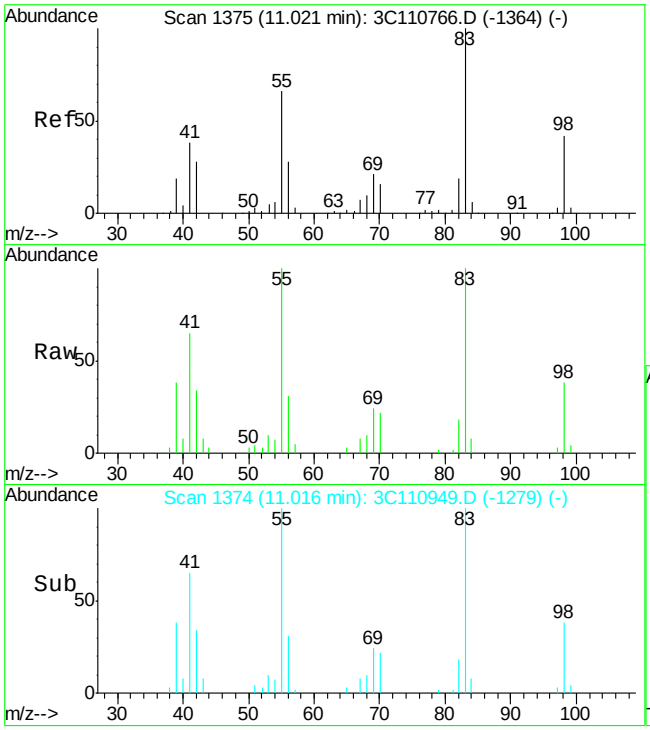


#49
Cyclohexane
Concen: 2.15 ug/L
RT: 9.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 84 Resp: 3040

Ion	Ratio	Lower	Upper
84	100		
56	183.8	206.7	383.9#
41	138.0	136.6	253.6

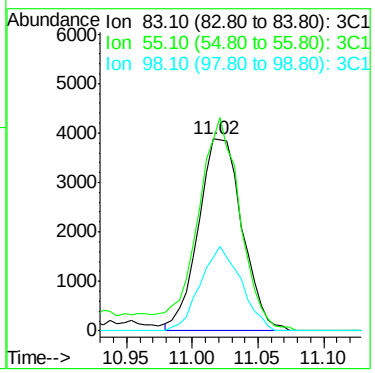


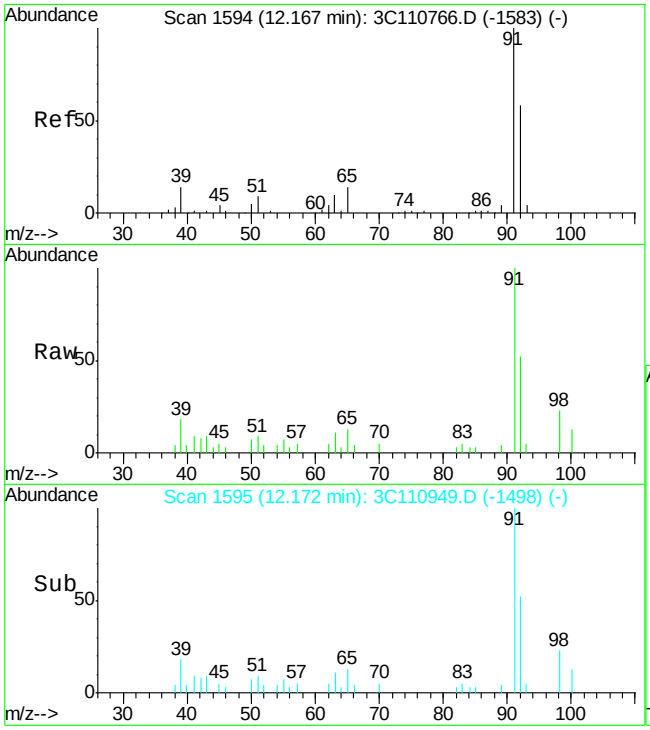


#70
methylcyclohexane
Concen: 5.46 ug/L
RT: 11.02 min Scan# 1374
Delta R.T. -0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 83 Resp: 9014

Ion	Ratio	Lower	Upper
83	100		
55	99.5	69.4	129.4
98	37.9	12.3	72.3

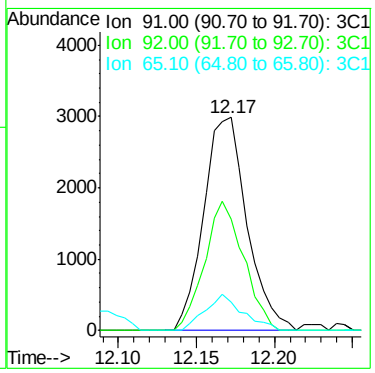


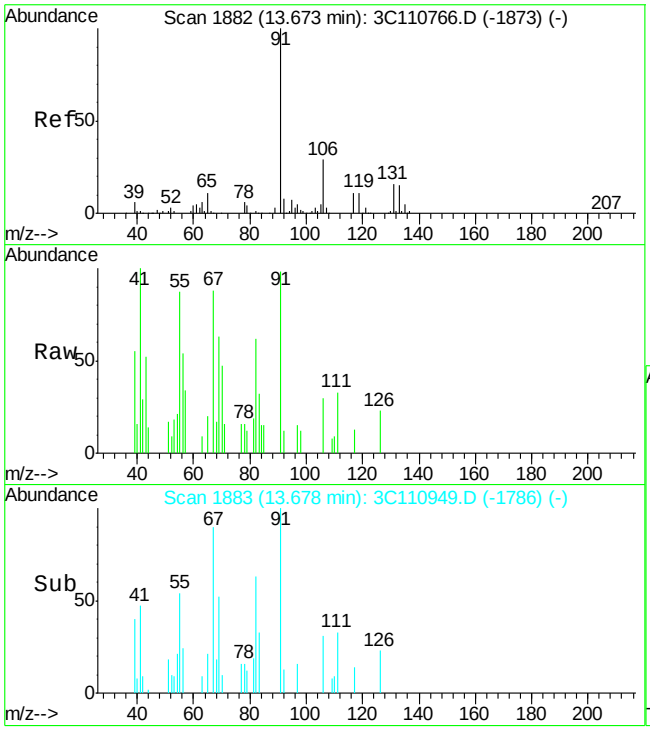


#76
toluene
Concen: 1.54 ug/L
RT: 12.17 min Scan# 1595
Delta R.T. 0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 91 Resp: 5751

Ion	Ratio	Lower	Upper
91	100		
92	52.2	28.4	88.4
65	13.4	0.0	44.5

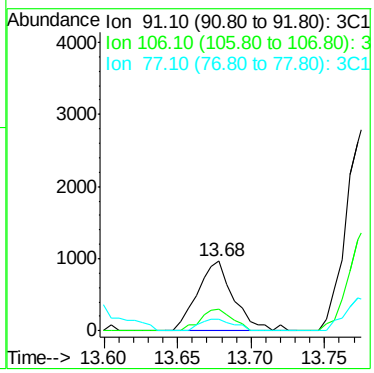


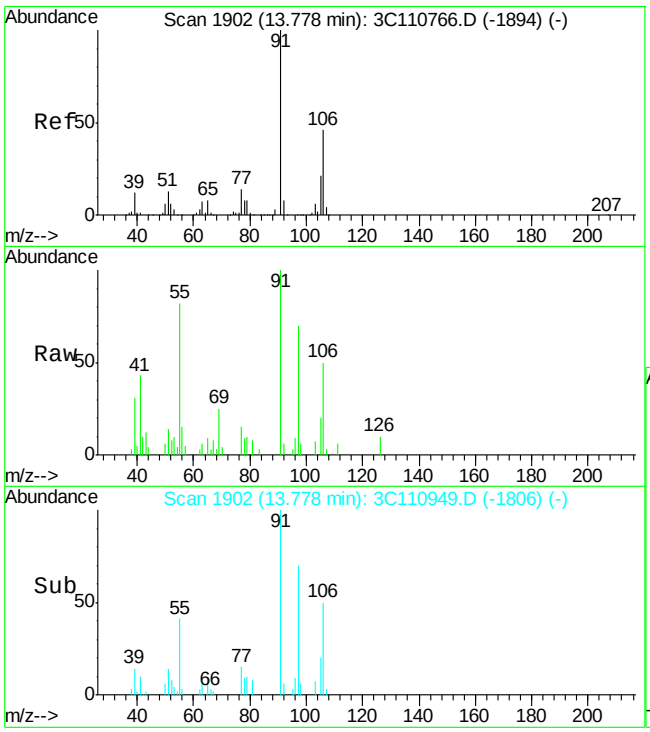


#91
ethylbenzene
Concen: 0.47 ug/L
RT: 13.68 min Scan# 1883
Delta R.T. 0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 91 Resp: 1652

Ion	Ratio	Lower	Upper
91	100		
106	30.8	0.0	59.1
77	16.2	0.0	39.8

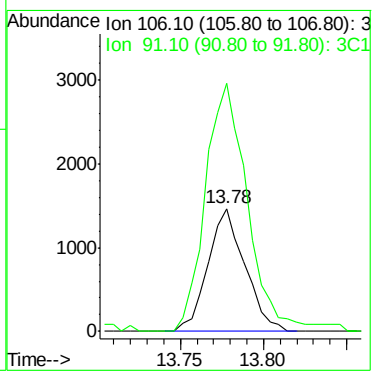


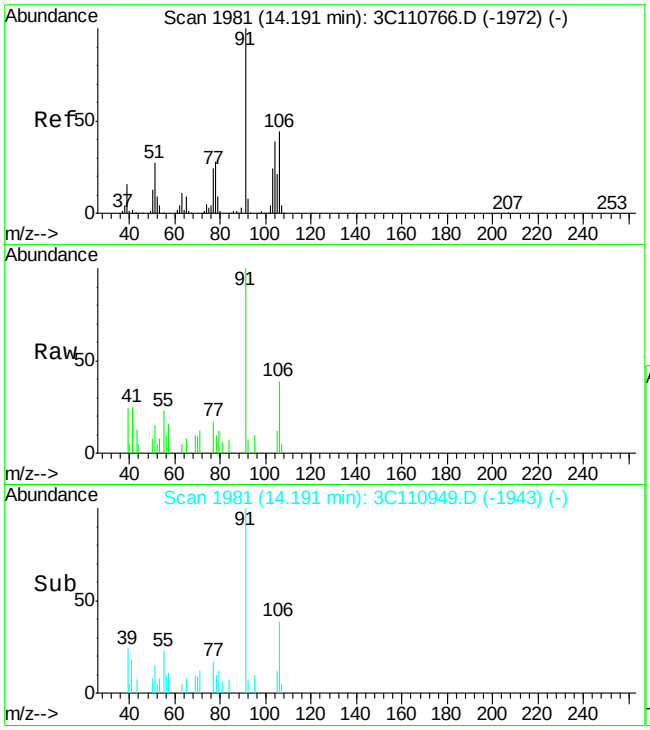


#92
m,p-xylene
Concen: 1.85 ug/L
RT: 13.78 min Scan# 1902
Delta R.T. 0.00 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion:106 Resp: 2257

Ion	Ratio	Lower	Upper
106	100		
91	201.6	153.9	285.9

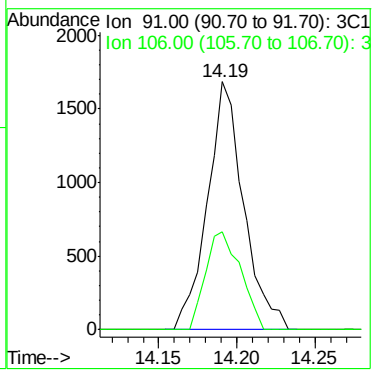


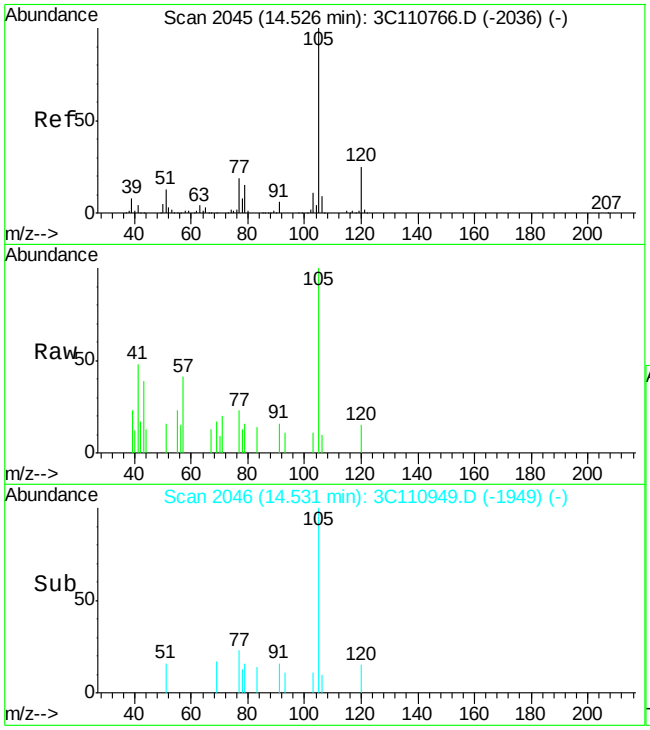


#93
o-xylene
Concen: 0.98 ug/L
RT: 14.19 min Scan# 1981
Delta R.T. 0.00 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion: 91 Resp: 2711

Ion	Ratio	Lower	Upper
91	100		
106	39.5	30.7	57.1

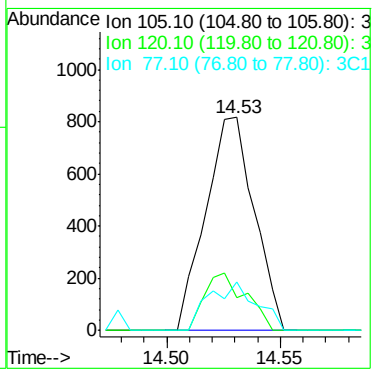




#98
isopropylbenzene
Concen: 0.45 ug/L
RT: 14.53 min Scan# 2046
Delta R.T. 0.01 min
Lab File: 3C110949.D
Acq: 22 Jun 2014 5:14 pm

Tgt Ion:105 Resp: 1211

Ion	Ratio	Lower	Upper
105	100		
120	15.4	0.0	55.3
77	22.8	0.0	48.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8987.D
Acq On : 19 Jun 2014 6:16 pm
Operator : BenM
Sample : jb69123-7
Misc : MS69080,V4V370,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 20 08:09:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

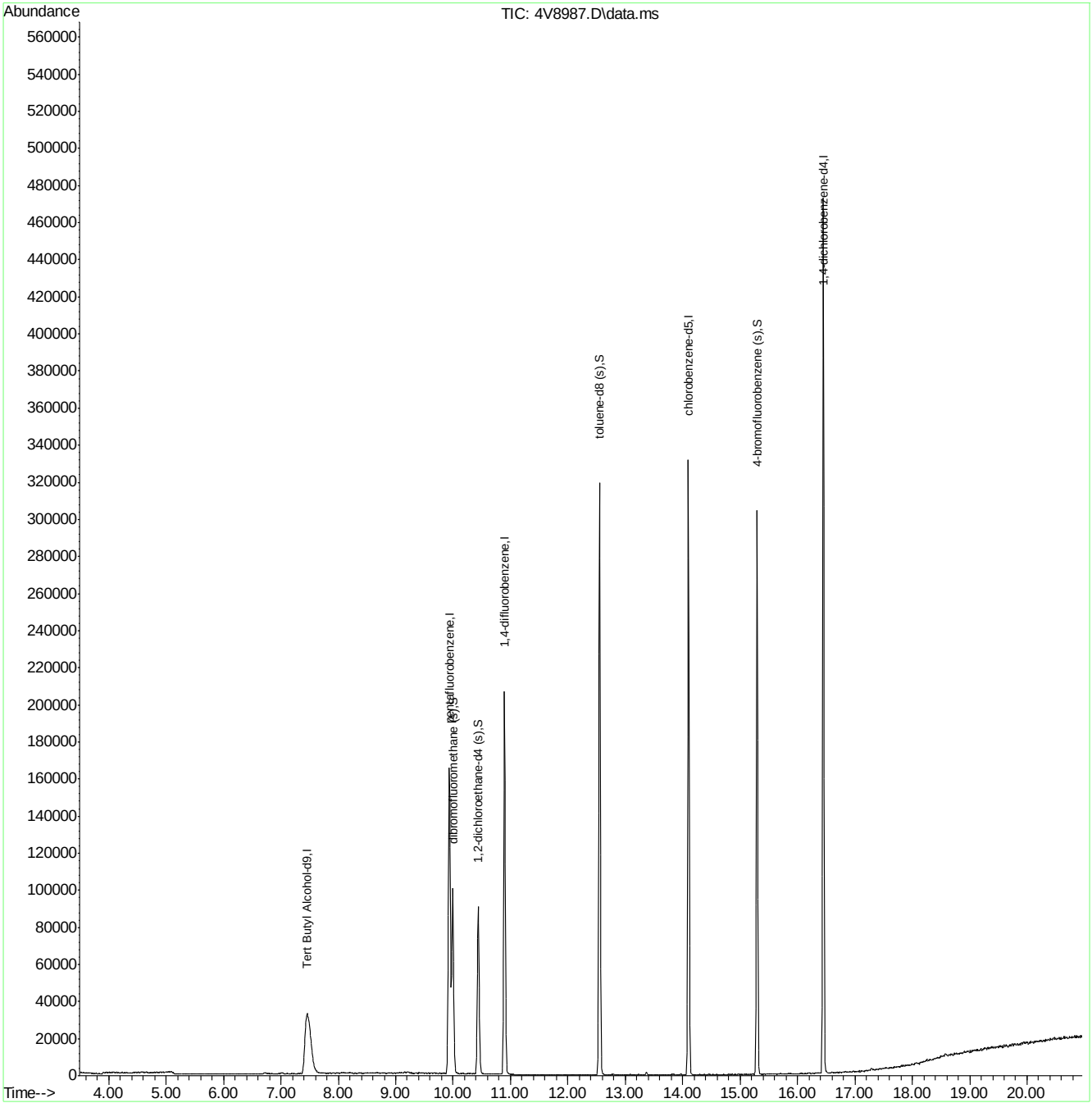
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.456	65	140227	500.00	ug/L	-0.01
4) pentafluorobenzene	9.936	168	147432	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	194291	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	182321	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	115380	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	76723	54.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 109.94%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	72956	52.78	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 105.56%			
73) toluene-d8 (s)	12.552	98	220407	53.41	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.82%			
96) 4-bromofluorobenzene (s)	15.294	95	102996	51.37	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.74%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8987.D
Acq On : 19 Jun 2014 6:16 pm
Operator : BenM
Sample : jb69123-7
Misc : MS69080,V4V370,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 20 08:09:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8988.D
Acq On : 19 Jun 2014 6:43 pm
Operator : BenM
Sample : jb69123-8
Misc : MS69080,V4V370,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 08:09:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.466	65	136223	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	148296	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	189883	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	188581	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	115854	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	76521	54.50	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 109.00%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	73227	52.66	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 105.32%			
73) toluene-d8 (s)	12.552	98	212832	52.77	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.54%			
96) 4-bromofluorobenzene (s)	15.294	95	107141	53.22	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 106.44%			
Target Compounds						Qvalue

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

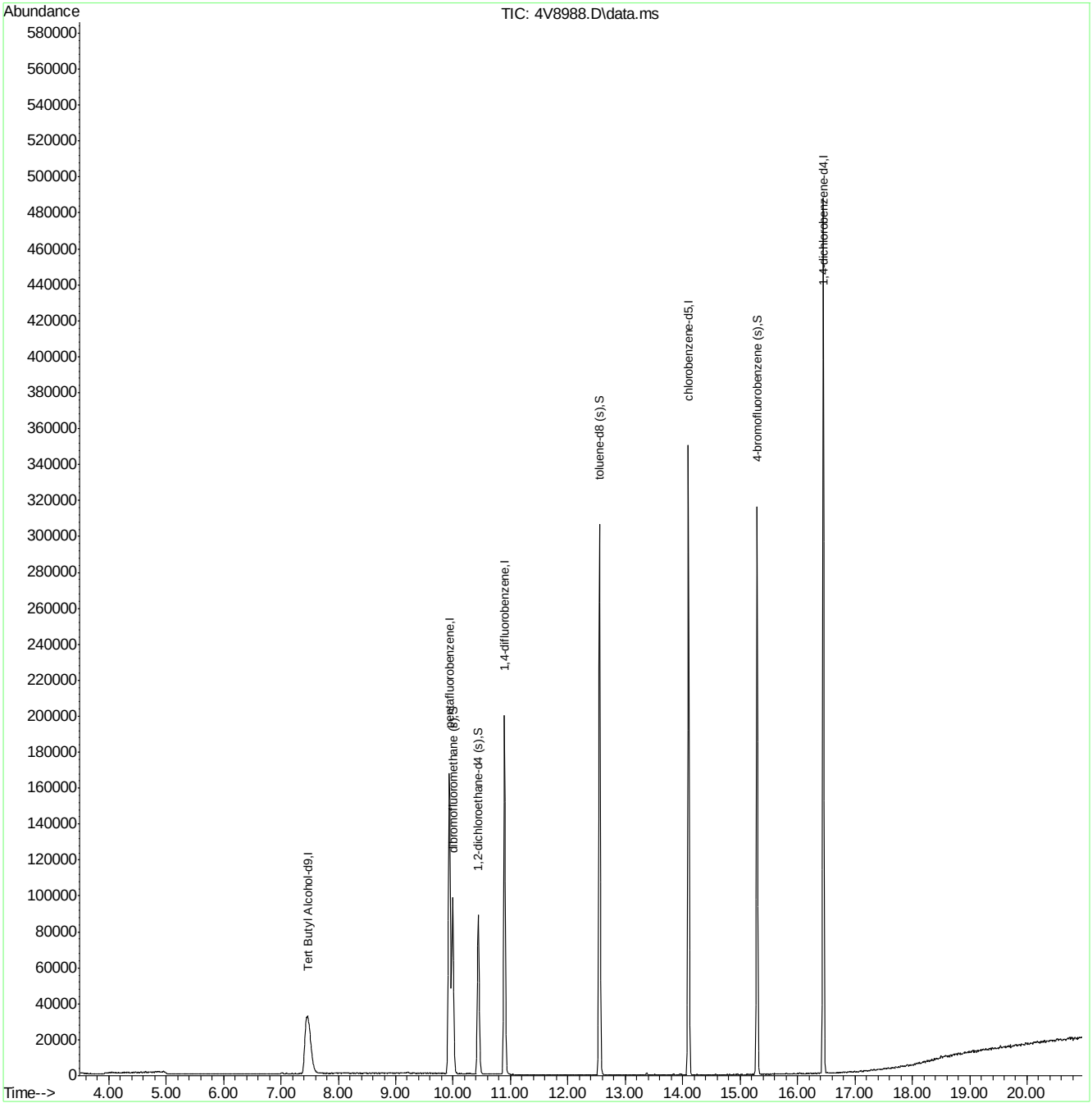
7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8988.D
Acq On : 19 Jun 2014 6:43 pm
Operator : BenM
Sample : jb69123-8
Misc : MS69080,V4V370,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 08:09:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8968.D
Acq On : 19 Jun 2014 9:55 am
Operator : BenM
Sample : mb
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 16:39:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 14:59:39 2014
Response via : Initial Calibration

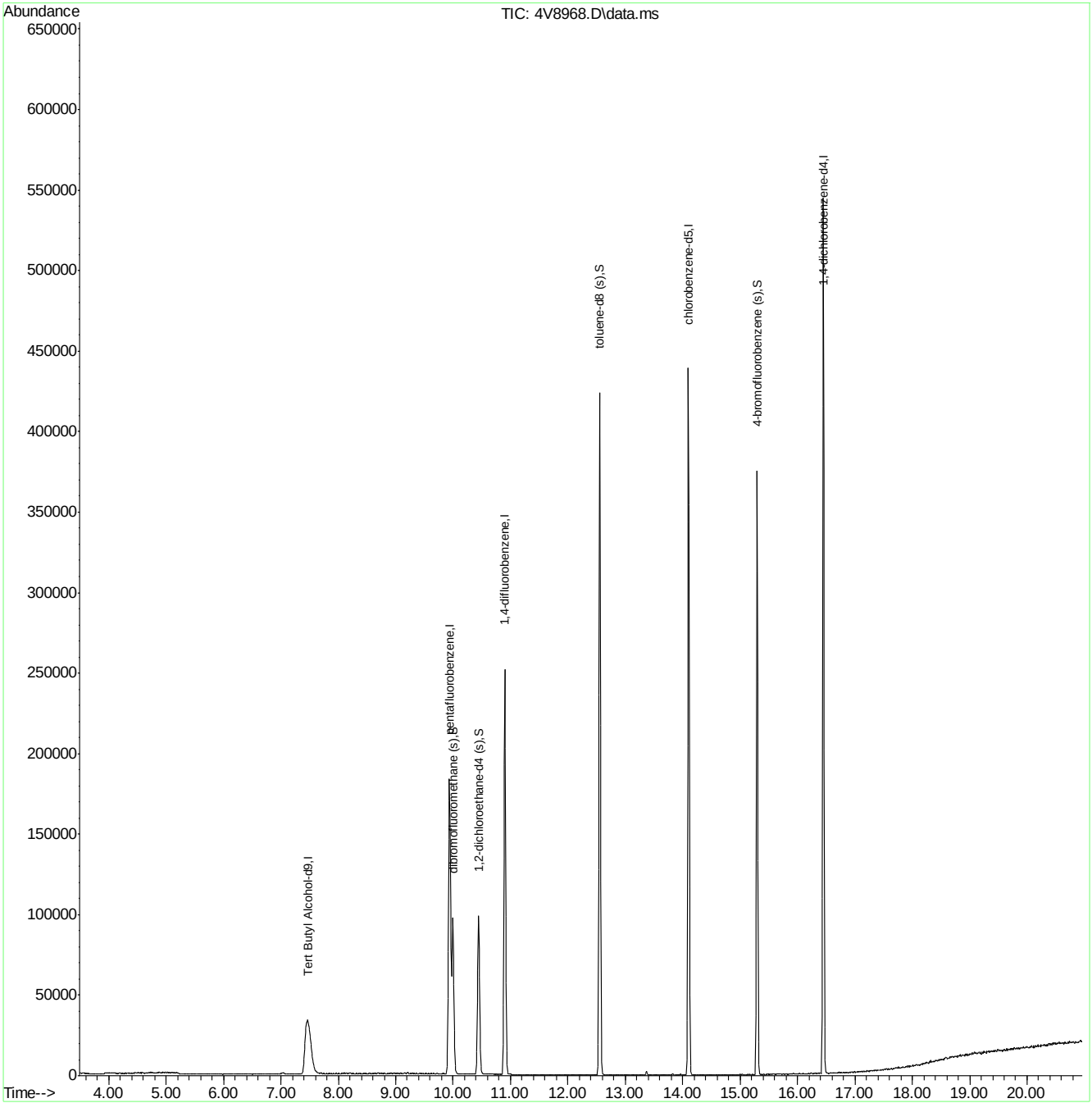
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.466	65	145382	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	171993	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.900	114	251499	50.00	ug/L	0.00
81) chlorobenzene-d5	14.104	117	245448	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.453	152	133593	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.999	113	81270	49.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 99.82%			
46) 1,2-dichloroethane-d4 (s)	10.444	65	86497	53.64	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 107.28%			
73) toluene-d8 (s)	12.552	98	295512	55.32	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 110.64%			
96) 4-bromofluorobenzene (s)	15.294	95	126769	54.61	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 109.22%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8968.D
Acq On : 19 Jun 2014 9:55 am
Operator : BenM
Sample : mb
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 16:39:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 14:59:39 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110941.D
Acq On : 22 Jun 2014 1:20 pm
Operator : prashans
Sample : MB
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 10:06:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	32271	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	87580	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	118731	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	77331	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	27978	50.00	ug/L	0.00

System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	42261	52.97	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.94%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	58372	49.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 99.52%			
74) toluene-d8 (s)	12.09	98	157192	51.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.20%			
99) 4-bromofluorobenzene (s)	14.73	95	50660	59.84	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.68%			

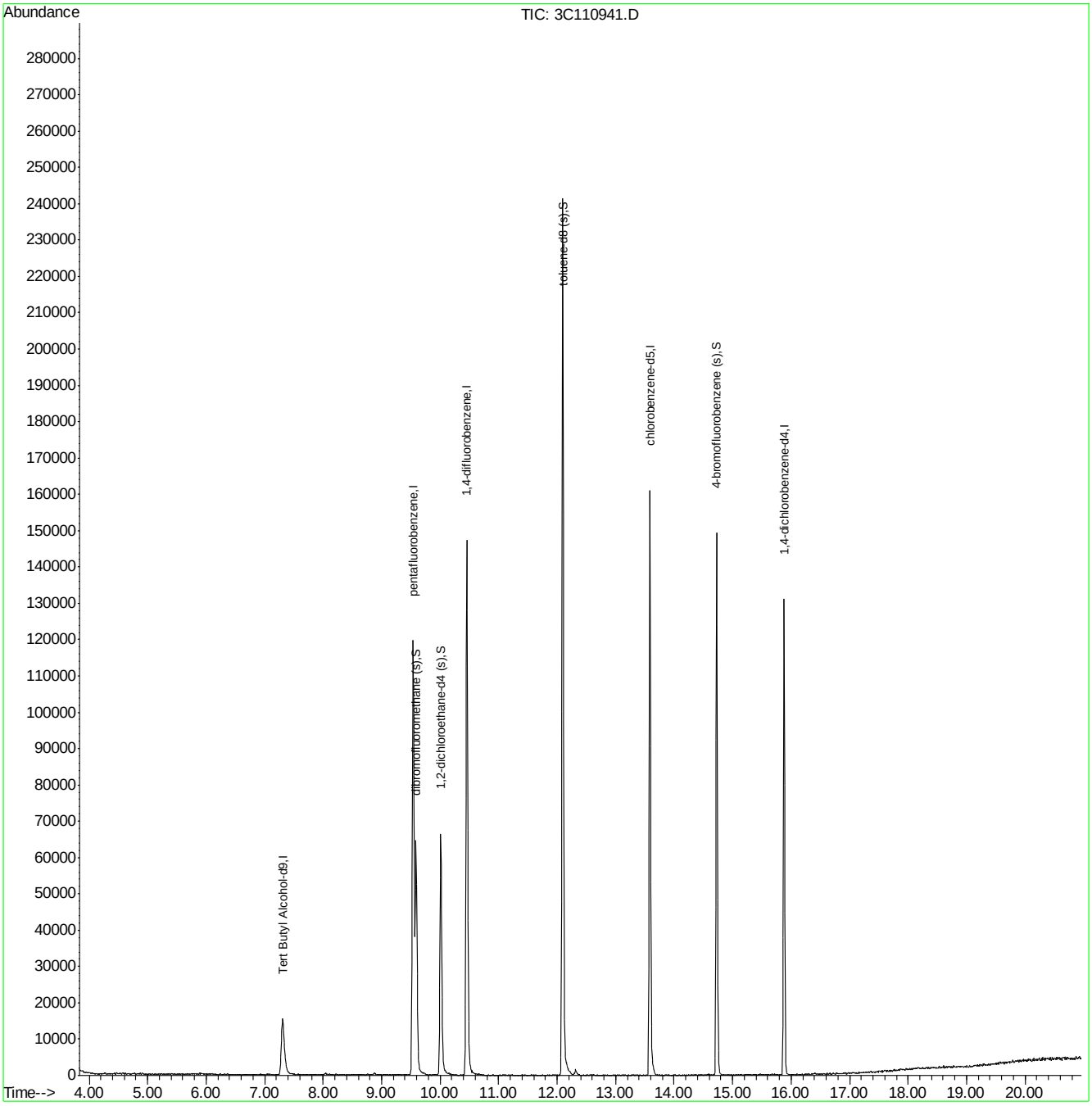
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110941.D
Acq On : 22 Jun 2014 1:20 pm
Operator : prashans
Sample : MB
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 23 10:06:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8969.D
Acq On : 19 Jun 2014 10:23 am
Operator : BenM
Sample : bs
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 16:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.456	65	136814	500.00	ug/L	-0.01
4) pentafluorobenzene	9.936	168	150452	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	198520	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	180014	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	121589	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	77495	54.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 108.82%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	75199	53.31	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 106.62%			
73) toluene-d8 (s)	12.552	98	207165	49.13	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 98.26%			
96) 4-bromofluorobenzene (s)	15.294	95	104973	49.68	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 99.36%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.650	88	25719	1202.33	ug/L #	100
3) tertiary butyl alcohol	7.597	59	66922	246.11	ug/L	96
6) chlorodifluoromethane	3.644	51	86826	39.84	ug/L	98
7) dichlorodifluoromethane	3.628	85	95608	39.82	ug/L	99
9) chloromethane	3.954	50	107944	45.62	ug/L	99
10) vinyl chloride	4.237	62	124023	49.85	ug/L	99
11) bromomethane	4.944	94	76692	48.04	ug/L	96
12) chloroethane	5.133	64	58943	65.26	ug/L	98
13) trichlorofluoromethane	5.652	101	135440	52.95	ug/L	99
14) ethyl ether	6.103	74	37857	60.77	ug/L	91
16) 2-chloropropane	6.334	43	140429	58.60	ug/L	99
17) acrolein	6.444	56	167975	504.46	ug/L	98
18) 1,1-dichloroethene	6.580	61	138807	59.89	ug/L	98
19) acetone	6.706	58	8023	61.95	ug/L	100
20) allyl chloride	7.215	76	42700	67.26	ug/L	94
21) acetonitrile	7.251	40	81824	614.10	ug/L	95
22) iodomethane	6.911	142	168925	56.31	ug/L	99
23) iso-butyl alcohol	10.298	41	33879	555.68	ug/L	95
24) carbon disulfide	7.015	76	349683	56.50	ug/L	98
25) methylene chloride	7.451	84	95619	55.54	ug/L	97
26) 1-chloropropane	7.461	41	35913	53.80	ug/L	97
27) methyl acetate	7.220	74	11877	52.10	ug/L	96
28) methyl tert butyl ether	7.797	73	510517	109.79	ug/L	99
29) trans-1,2-dichloroethene	7.854	61	115468	56.44	ug/L	98
30) di-isopropyl ether	8.478	45	250710	55.80	ug/L	99
31) ethyl tert-butyl ether	9.008	59	254184	56.63	ug/L	98
32) 2-butanone	9.343	72	9505	57.51	ug/L	98
33) 1,1-dichloroethane	8.525	63	147000	58.33	ug/L	100
34) chloroprene	8.625	53	89564	52.35	ug/L	98
35) acrylonitrile	7.881	53	162396	297.06	ug/L	98
36) vinyl acetate	8.525	86	11078	58.72	ug/L	73
37) ethyl acetate	9.354	45	11409	51.61	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8969.D
Acq On : 19 Jun 2014 10:23 am
Operator : BenM
Sample : bs
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 16:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	133836	59.01	ug/L		99
39) cis-1,2-dichloroethene	9.354	61	144458	55.90	ug/L		95
40) propionitrile	9.495	54	131703	576.80	ug/L		98
41) methyl acrylate	9.438	55	87176	53.19	ug/L	#	99
42) bromochloromethane	9.705	128	42923	54.51	ug/L		91
43) tetrahydrofuran	9.726	42	29803	52.86	ug/L		98
44) chloroform	9.773	83	142236	55.50	ug/L		99
47) freon 113	6.544	151	63573	53.84	ug/L		95
48) methacrylonitrile	9.668	41	106755	55.72	ug/L		98
49) 1,1,1-trichloroethane	10.004	97	136145	58.49	ug/L		99
50) tert-amyl methyl ether	10.513	73	248722	54.92	ug/L		100
52) epichlorohydrin	12.211	57	37141	258.75	ug/L		99
53) n-butyl alcohol	11.084	56	136532	2880.89	ug/L		99
54) cyclohexane	10.046	84	126061	55.74	ug/L	#	100
55) carbon tetrachloride	10.208	117	123636	57.75	ug/L		98
56) 1,1-dichloropropene	10.193	75	96448	52.78	ug/L		98
58) benzene	10.481	78	291283	53.53	ug/L		99
59) isooctane	10.450	57	280346	53.27	ug/L		96
60) heptane	10.633	57	41895	50.10	ug/L		95
61) isopropyl acetate	10.439	43	193023	54.57	ug/L		98
62) 1,2-dichloroethane	10.534	62	94734	57.93	ug/L		98
63) trichloroethene	11.231	95	72519	52.92	ug/L		99
65) 2-nitropropane	12.075	43	155288	48.77	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	218414	259.81	ug/L		99
67) methyl methacrylate	11.530	69	45607	51.68	ug/L		90
68) 1,2-dichloropropane	11.519	63	74842	57.68	ug/L		99
69) methylcyclohexane	11.420	83	122170	53.12	ug/L		97
70) dibromomethane	11.692	93	49509	53.62	ug/L		99
71) bromodichloromethane	11.829	83	99323	54.40	ug/L		100
72) cis-1,3-dichloropropene	12.285	75	102853	48.64	ug/L		99
74) 4-methyl-2-pentanone	12.390	58	32523	55.50	ug/L		98
75) toluene	12.625	92	141067	48.32	ug/L		99
76) 3-methyl-1-butanol	12.431	70	47672	1117.53	ug/L		99
77) trans-1,3-dichloropropene	12.861	75	95660	50.64	ug/L		99
78) ethyl methacrylate	12.840	69	85610	51.29	ug/L		98
79) 1,1,2-trichloroethane	13.076	83	53878	52.05	ug/L		97
80) 2-hexanone	13.249	58	30447	55.64	ug/L		98
82) tetrachloroethene	13.202	166	60906	47.75	ug/L		99
83) 1,3-dichloropropane	13.260	76	93476	48.57	ug/L		99
84) butyl acetate	13.312	56	47600	50.21	ug/L		94
85) dibromochloromethane	13.527	129	77542	49.87	ug/L		99
86) 1,2-dibromoethane	13.674	107	71172	50.78	ug/L		99
87) chlorobenzene	14.130	112	173948	49.42	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	76822	51.67	ug/L		98
89) ethylbenzene	14.183	91	305814	49.38	ug/L		99
90) m,p-xylene	14.293	106	224447	96.76	ug/L		96
91) o-xylene	14.728	106	117961	49.09	ug/L		100
92) styrene	14.744	104	205006	50.84	ug/L		99
93) bromoform	15.037	173	65831	53.72	ug/L		98
95) isopropylbenzene	15.069	105	314496	42.63	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8969.D
Acq On : 19 Jun 2014 10:23 am
Operator : BenM
Sample : bs
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 16:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) bromobenzene	15.488	156	90225	47.73	ug/L	96
98) cyclohexanone	15.284	55	39879	138.13	ug/L	93
99) 1,1,2,2-tetrachloroethane	15.425	83	117664	43.80	ug/L	100
100) trans-1,4-dichloro-2-b...	15.467	53	30942	50.66	ug/L	94
101) 1,2,3-trichloropropane	15.499	110	25690	48.97	ug/L	97
102) n-propylbenzene	15.488	91	424519	48.22	ug/L	100
103) 2-chlorotoluene	15.640	126	80808	46.07	ug/L	99
104) 4-chlorotoluene	15.740	91	257916	47.12	ug/L	98
105) 1,3,5-trimethylbenzene	15.635	105	281183	44.49	ug/L	99
106) tert-butylbenzene	15.981	119	223947	44.16	ug/L	99
107) pentachloroethane	16.081	167	61834	49.32	ug/L	98
108) 1,2,4-trimethylbenzene	16.028	105	307970	48.01	ug/L	99
109) sec-butylbenzene	16.191	105	375465	42.51	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	178948	46.60	ug/L	98
111) p-isopropyltoluene	16.311	119	320058	45.14	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	185969	47.38	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	188565	47.23	ug/L	98
115) n-butylbenzene	16.715	92	193359	49.08	ug/L	100
116) 1,2-dibromo-3-chloropr...	17.606	75	28420	48.93	ug/L	99
117) 1,3,5-trichlorobenzene	17.743	180	158524	46.59	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	150707	47.30	ug/L	99
119) hexachlorobutadiene	18.403	225	66096	45.62	ug/L	99
120) naphthalene	18.576	128	423852	46.57	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	145297	47.58	ug/L	99
122) hexachloroethane	17.082	119	74544	49.11	ug/L	99
123) Benzyl chloride	16.600	91	243612	49.78	ug/L	100

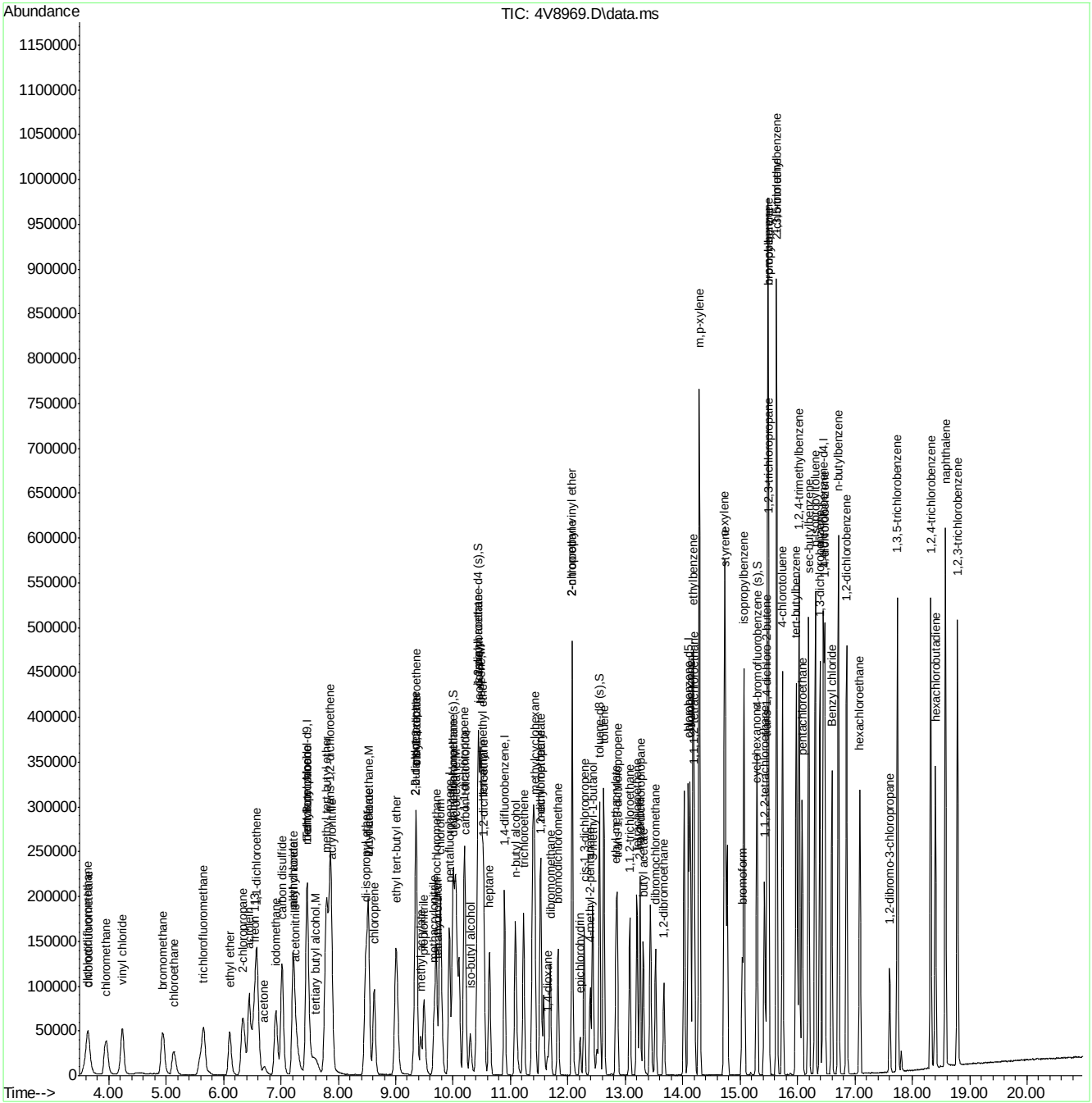
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8969.D
Acq On : 19 Jun 2014 10:23 am
Operator : BenM
Sample : bs
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 16:41:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110942.D
Acq On : 22 Jun 2014 1:48 pm
Operator : prashans
Sample : BS
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 10:22:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	40194	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	85178	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	115253	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	76960	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	30876	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	42209	54.40	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.80%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	58312	51.11	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.22%			
74) toluene-d8 (s)	12.09	98	156302	52.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.70%			
99) 4-bromofluorobenzene (s)	14.73	95	53845	57.63	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.26%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	10320	1221.76	ug/L #	99
3) tertiary butyl alcohol	7.43	59	36031	269.75	ug/L	83
6) chlorodifluoromethane	3.98	51	42695	39.91	ug/L	93
7) dichlorodifluoromethane	3.98	85	64659	54.55	ug/L	99
8) chloromethane	4.31	50	73250	49.89	ug/L	99
9) vinyl chloride	4.56	62	60196	49.75	ug/L	97
10) bromomethane	5.20	94	28334	45.34	ug/L	95
11) chloroethane	5.37	64	27070	49.03	ug/L	95
14) trichlorofluoromethane	5.81	101	68863	54.10	ug/L	98
15) ethyl ether	6.23	74	27717	55.78	ug/L	96
16) acrolein	6.47	56	84725	512.58	ug/L	99
17) 1,1-dichloroethene	6.64	61	83279	54.83	ug/L	100
18) acetone	6.68	58	5759	53.61	ug/L	94
19) allyl chloride	7.17	76	26205	53.12	ug/L	96
20) acetonitrile	7.11	40	43516	513.17	ug/L	97
21) iodomethane	6.92	142	66311	55.29	ug/L	98
22) iso-butyl alcohol	9.82	41	19718	557.80	ug/L	96
23) carbon disulfide	7.05	76	159585	51.52	ug/L	97
24) methylene chloride	7.36	84	48282	48.29	ug/L	98
25) methyl acetate	7.16	74	5833	48.36	ug/L	99
26) methyl tert butyl ether	7.68	73	268949	94.09	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	85311	54.47	ug/L	98
28) di-isopropyl ether	8.28	45	195551	49.82	ug/L	91
29) ethyl tert-butyl ether	8.74	59	165444	47.49	ug/L	98
30) 2-butanone	8.99	72	5776	56.80	ug/L	99
31) 1,1-dichloroethane	8.29	63	99209	53.81	ug/L	99
32) chloroprene	8.40	53	77733	49.46	ug/L	99
33) acrylonitrile	7.67	53	81956	268.88	ug/L	96
34) vinyl acetate	8.28	86	7990	59.44	ug/L	60
35) ethyl acetate	9.01	45	6594	53.03	ug/L	51
36) 2,2-dichloropropane	9.03	77	89116	57.72	ug/L	100
37) cis-1,2-dichloroethene	9.03	61	101009	55.43	ug/L	97
38) propionitrile	9.08	54	64375	548.45	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110942.D
Acq On : 22 Jun 2014 1:48 pm
Operator : prashans
Sample : BS
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 10:22:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Methyl Acrylate	9.09	85	5608	51.17 ug/L		99
40) bromochloromethane	9.34	128	20585	55.85 ug/L		93
41) tetrahydrofuran	9.37	72	5848	55.93 ug/L		99
42) chloroform	9.39	83	87598	50.27 ug/L		98
43) tert-Butyl Formate	9.43	59	42929	54.03 ug/L	#	87
46) freon 113	6.62	151	29404	49.42 ug/L		95
47) methacrylonitrile	9.27	41	30733	54.55 ug/L		97
48) 1,1,1-trichloroethane	9.65	97	80357	56.24 ug/L		100
49) Cyclohexane	9.72	84	76510	54.73 ug/L		96
51) 2,2,4-trimethylpentane	10.09	57	203831	46.36 ug/L		99
52) tert-amyl methyl ether	10.12	73	140968	45.77 ug/L		98
54) epichlorohydrin	11.71	57	21254	263.25 ug/L		95
55) n-butyl alcohol	10.57	56	74046	2563.41 ug/L		97
56) carbon tetrachloride	9.86	117	68119	57.10 ug/L		99
57) 1,1-dichloropropene	9.82	75	71084	54.36 ug/L		99
58) hexane	8.03	57	79120	53.60 ug/L		97
59) benzene	10.09	78	196180	51.06 ug/L		98
60) heptane	10.26	57	46297	51.15 ug/L		98
61) isopropyl acetate	10.00	87	8705	53.75 ug/L		99
62) 1,2-dichloroethane	10.10	62	73295	57.35 ug/L		99
63) trichloroethene	10.80	95	48065	54.43 ug/L		98
66) 2-nitropropane	11.56	41	18309	54.03 ug/L		94
67) 2-chloroethyl vinyl ether	11.58	63	83169	241.64 ug/L		98
68) methyl methacrylate	11.06	100	9332	55.64 ug/L	#	91
69) 1,2-dichloropropane	11.06	63	53571	52.42 ug/L		97
70) methylcyclohexane	11.02	83	81113	50.32 ug/L		97
71) dibromomethane	11.23	93	25193	56.02 ug/L		95
72) bromodichloromethane	11.35	83	64186	55.99 ug/L		98
73) cis-1,3-dichloropropene	11.80	75	76860	55.18 ug/L		94
75) 4-methyl-2-pentanone	11.89	58	17113	54.85 ug/L		97
76) toluene	12.17	91	177101	48.45 ug/L		99
77) 3-methyl-1-butanol	11.91	70	24251	1018.20 ug/L		98
78) trans-1,3-dichloropropene	12.36	75	67505	53.91 ug/L		96
79) ethyl methacrylate	12.35	69	52119	54.43 ug/L		97
80) 1,1,2-trichloroethane	12.57	97	30000	51.46 ug/L		99
81) 2-hexanone	12.74	58	14566	52.61 ug/L		99
83) tetrachloroethene	12.75	166	36532	51.64 ug/L		99
84) 1,3-dichloropropane	12.75	76	58014	56.70 ug/L		98
85) butyl acetate	12.81	56	25244	56.63 ug/L		89
86) dibromochloromethane	13.01	129	34530	58.56 ug/L		99
87) 1,2-dibromoethane	13.16	107	28843	58.17 ug/L		97
88) 3,3-Dimethyl-1-Butanol	12.90	57	42003	507.53 ug/L		100
89) chlorobenzene	13.62	112	94328	51.41 ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	35818	56.11 ug/L		98
91) ethylbenzene	13.67	91	179218	51.17 ug/L		99
92) m,p-xylene	13.78	106	127987	105.14 ug/L		99
93) o-xylene	14.19	91	147544	53.28 ug/L		99
94) styrene	14.20	104	98356	56.57 ug/L		99
96) bromoform	14.46	173	20099	57.42 ug/L		96
98) isopropylbenzene	14.53	105	164677	53.85 ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110942.D
Acq On : 22 Jun 2014 1:48 pm
Operator : prashans
Sample : BS
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 10:22:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

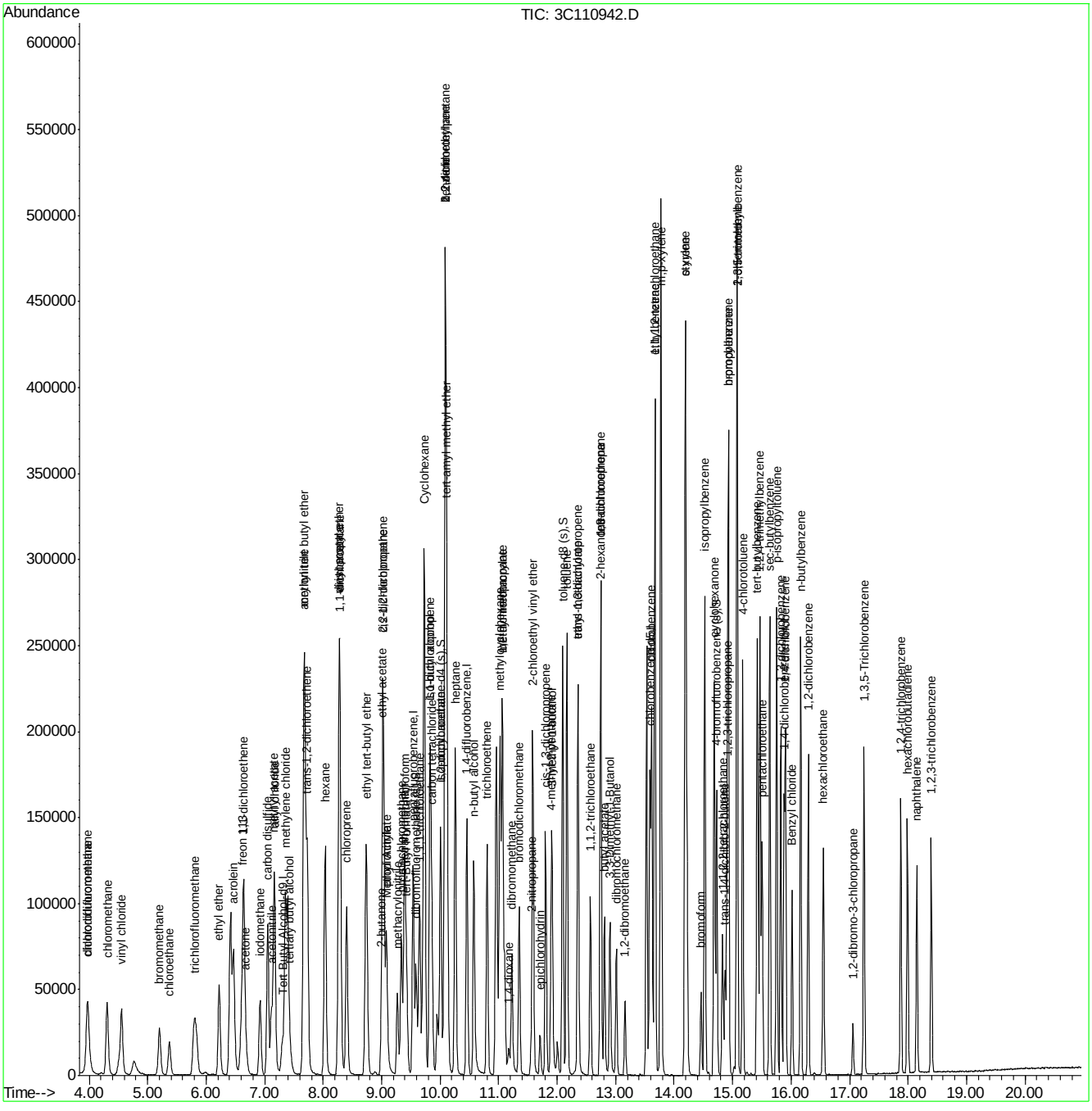
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
100) bromobenzene	14.92	156	34798	54.36 ug/L	95
101) cyclohexanone	14.69	55	91912	663.12 ug/L	94
102) 1,1,2,2-tetrachloroethane	14.83	83	37861	56.65 ug/L	100
103) trans-1,4-dichloro-2-buten	14.87	53	13758	65.93 ug/L	87
104) 1,2,3-trichloropropane	14.90	110	9534	58.04 ug/L	91
105) n-propylbenzene	14.93	91	188131	55.27 ug/L	99
107) 2-chlorotoluene	15.07	126	35766	54.08 ug/L	93
108) 4-chlorotoluene	15.17	126	36261	54.03 ug/L	92
109) 1,3,5-trimethylbenzene	15.08	105	138499	54.70 ug/L	99
110) tert-butylbenzene	15.43	119	112589	54.50 ug/L	96
111) pentachloroethane	15.51	167	22903	59.87 ug/L	96
112) 1,2,4-trimethylbenzene	15.47	105	132867	53.72 ug/L	99
113) sec-butylbenzene	15.63	105	167928	54.09 ug/L	99
114) 1,3-dichlorobenzene	15.82	146	65586	51.96 ug/L	99
115) p-isopropyltoluene	15.75	119	136473	55.25 ug/L	97
116) 1,4-dichlorobenzene	15.91	146	64050	50.53 ug/L	97
117) 1,2-dichlorobenzene	16.29	146	60685	51.66 ug/L	98
119) n-butylbenzene	16.16	92	71619	54.95 ug/L	97
121) 1,2-dibromo-3-chloropropan	17.06	157	5824	56.83 ug/L	90
122) 1,3,5-Trichlorobenzene	17.25	180	52437	57.35 ug/L	100
123) 1,2,4-trichlorobenzene	17.87	180	42280	61.51 ug/L	96
124) hexachlorobutadiene	17.99	225	30189	54.89 ug/L	94
125) naphthalene	18.15	128	80247	55.42 ug/L	100
126) 1,2,3-trichlorobenzene	18.40	180	37069	57.68 ug/L	98
127) hexachloroethane	16.55	119	25419	56.38 ug/L	99
128) Benzyl chloride	16.02	91	66166	57.81 ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 3C110942.D
Acq On : 22 Jun 2014 1:48 pm
Operator : prashans
Sample : BS
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 23 10:22:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8978.D
Acq On : 19 Jun 2014 2:19 pm
Operator : BenM
Sample : jb69115-3ms
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 16:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.471	65	139246	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	158737	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.900	114	217133	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	187170	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	106079	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.999	113	83515	55.57	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 111.14%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	82303	55.30	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 110.60%			
73) toluene-d8 (s)	12.552	98	236972	51.38	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.76%			
96) 4-bromofluorobenzene (s)	15.294	95	96888	52.56	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 105.12%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.650	88	27369	1257.12	ug/L #	100
3) tertiary butyl alcohol	7.597	59	73443	265.38	ug/L	99
6) chlorodifluoromethane	3.649	51	110620	48.11	ug/L	97
7) dichlorodifluoromethane	3.634	85	125619	49.58	ug/L	99
9) chloromethane	3.969	50	122947	49.25	ug/L	99
10) vinyl chloride	4.252	62	131846	50.23	ug/L	99
11) bromomethane	4.944	94	79194	47.02	ug/L	99
12) chloroethane	5.138	64	50044	52.51	ug/L	99
13) trichlorofluoromethane	5.657	101	136947	50.75	ug/L	97
14) ethyl ether	6.108	74	35062	53.35	ug/L	97
16) 2-chloropropane	6.344	43	119237	47.16	ug/L	99
17) acrolein	6.449	56	183560	522.50	ug/L	99
18) 1,1-dichloroethene	6.585	61	115883	47.39	ug/L	99
19) acetone	6.716	58	7737	56.63	ug/L	89
20) allyl chloride	7.215	76	33117	49.44	ug/L	94
21) acetonitrile	7.251	40	85450	607.84	ug/L	96
22) iodomethane	6.910	142	147890	46.73	ug/L	98
23) iso-butyl alcohol	10.303	41	37353	580.68	ug/L	97
24) carbon disulfide	7.021	76	284279	43.54	ug/L	99
25) methylene chloride	7.456	84	88545	48.74	ug/L	95
26) 1-chloropropane	7.461	41	32276	45.83	ug/L #	90
27) methyl acetate	7.225	74	14277	59.36	ug/L	92
28) methyl tert butyl ether	7.807	73	248383	50.63	ug/L	99
29) trans-1,2-dichloroethene	7.859	61	107106	49.62	ug/L	97
30) di-isopropyl ether	8.489	45	269716	56.89	ug/L	97
31) ethyl tert-butyl ether	9.008	59	277392	58.57	ug/L	99
32) 2-butanone	9.354	72	9531	54.66	ug/L	79
33) 1,1-dichloroethane	8.525	63	135439	50.94	ug/L	98
34) chloroprene	8.625	53	95394	52.85	ug/L	97
35) acrylonitrile	7.880	53	162716	282.11	ug/L	99
36) vinyl acetate	8.536	86	11114	55.83	ug/L	98
37) ethyl acetate	9.359	45	13080	56.08	ug/L	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8978.D
Acq On : 19 Jun 2014 2:19 pm
Operator : BenM
Sample : jb69115-3ms
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 16:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	121329	50.71	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	139434	51.14	ug/L		95
40) propionitrile	9.501	54	136363	566.03	ug/L		97
41) methyl acrylate	9.443	55	90453	52.31	ug/L	#	99
42) bromochloromethane	9.710	128	42187	50.78	ug/L		95
43) tetrahydrofuran	9.731	42	31251	52.53	ug/L		96
44) chloroform	9.778	83	135018	49.93	ug/L		99
47) freon 113	6.549	151	61160	49.09	ug/L		96
48) methacrylonitrile	9.668	41	99759	49.35	ug/L		97
49) 1,1,1-trichloroethane	10.004	97	121399	49.43	ug/L		99
50) tert-amyl methyl ether	10.512	73	266899	55.86	ug/L		98
52) epichlorohydrin	12.216	57	42937	273.49	ug/L		100
53) n-butyl alcohol	11.089	56	158147	3050.93	ug/L		98
54) cyclohexane	10.051	84	108274	43.77	ug/L	#	100
55) carbon tetrachloride	10.208	117	110164	47.04	ug/L		98
56) 1,1-dichloropropene	10.198	75	93986	47.02	ug/L		99
57) hexane	8.169	57	79450	47.62	ug/L		98
58) benzene	10.481	78	283543	47.64	ug/L		98
59) isooctane	10.444	57	278087	48.31	ug/L		97
60) heptane	10.638	57	44320	48.46	ug/L		95
61) isopropyl acetate	10.439	43	198975	51.43	ug/L		98
62) 1,2-dichloroethane	10.539	62	96911	54.18	ug/L		98
63) trichloroethene	11.231	95	70649	47.14	ug/L		97
67) methyl methacrylate	11.535	69	46782	48.47	ug/L		97
68) 1,2-dichloropropane	11.519	63	73997	52.14	ug/L		98
69) methylcyclohexane	11.419	83	119353	47.44	ug/L		99
70) dibromomethane	11.692	93	51842	51.33	ug/L		95
71) bromodichloromethane	11.834	83	100362	50.26	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	109343	47.28	ug/L		98
74) 4-methyl-2-pentanone	12.389	58	34604	53.99	ug/L		91
75) toluene	12.625	92	143545	44.96	ug/L		100
76) 3-methyl-1-butanol	12.437	70	56405	1208.91	ug/L		99
77) trans-1,3-dichloropropene	12.861	75	98204	47.53	ug/L		98
78) ethyl methacrylate	12.840	69	87465	47.91	ug/L		96
79) 1,1,2-trichloroethane	13.082	83	55450	48.98	ug/L		98
80) 2-hexanone	13.249	58	28836	48.18	ug/L		99
82) tetrachloroethene	13.202	166	60992	45.99	ug/L		97
83) 1,3-dichloropropane	13.260	76	92385	46.17	ug/L		99
84) butyl acetate	13.312	56	49489	50.20	ug/L		93
85) dibromochloromethane	13.527	129	78573	48.61	ug/L		99
86) 1,2-dibromoethane	13.674	107	68037	46.68	ug/L		99
87) chlorobenzene	14.130	112	164691	45.00	ug/L		98
88) 1,1,1,2-tetrachloroethane	14.204	131	78074	50.51	ug/L		97
89) ethylbenzene	14.183	91	290579	45.13	ug/L		100
90) m,p-xylene	14.293	106	211048	87.50	ug/L		96
91) o-xylene	14.723	106	116797	46.75	ug/L		99
92) styrene	14.744	104	178945	42.68	ug/L		99
93) bromoform	15.037	173	57563	45.18	ug/L		99
95) isopropylbenzene	15.069	105	310858	48.29	ug/L		99
97) bromobenzene	15.488	156	75237	45.62	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8978.D
Acq On : 19 Jun 2014 2:19 pm
Operator : BenM
Sample : jb69115-3ms
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 16:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

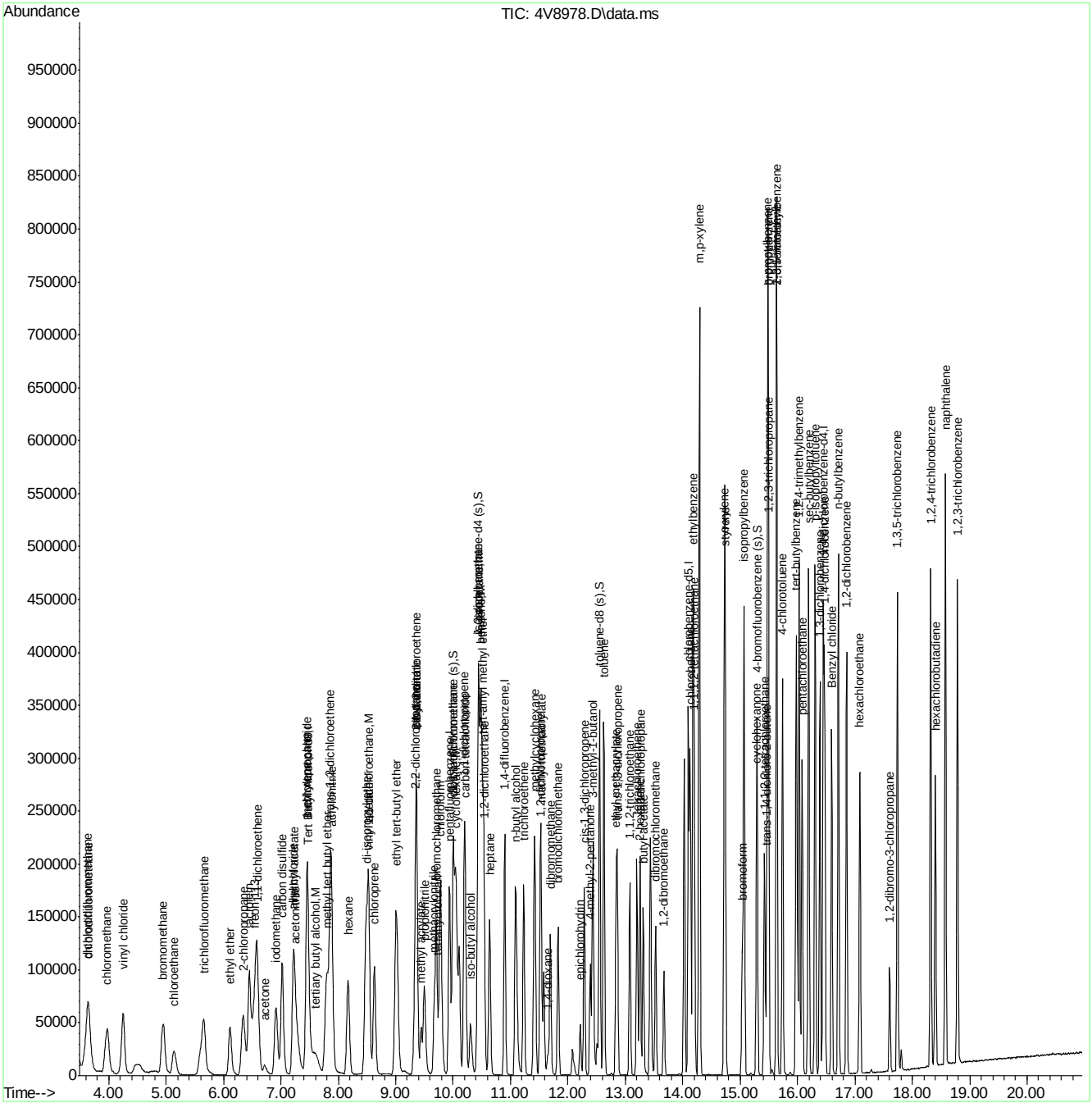
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	15.284	55	37309	151.61	ug/L	93
99) 1,1,2,2-tetrachloroethane	15.425	83	114836	48.99	ug/L	98
100) trans-1,4-dichloro-2-b...	15.462	53	24279	45.56	ug/L	96
101) 1,2,3-trichloropropane	15.499	110	23244	50.79	ug/L	96
102) n-propylbenzene	15.483	91	354253	46.12	ug/L	99
103) 2-chlorotoluene	15.640	126	72622	47.46	ug/L	97
104) 4-chlorotoluene	15.740	91	213060	44.61	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	265535	48.16	ug/L	99
106) tert-butylbenzene	15.981	119	213712	48.30	ug/L	98
107) pentachloroethane	16.081	167	59727	54.61	ug/L	99
108) 1,2,4-trimethylbenzene	16.028	105	264727	47.31	ug/L	99
109) sec-butylbenzene	16.191	105	353763	45.91	ug/L	99
110) 1,3-dichlorobenzene	16.390	146	146482	43.72	ug/L	99
111) p-isopropyltoluene	16.306	119	284804	46.05	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	148674	43.41	ug/L	100
114) 1,2-dichlorobenzene	16.857	146	156867	45.04	ug/L	98
115) n-butylbenzene	16.710	92	153059	44.53	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	24155	47.67	ug/L	96
117) 1,3,5-trichlorobenzene	17.743	180	133215	44.88	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	133731	48.11	ug/L	99
119) hexachlorobutadiene	18.403	225	52797	41.77	ug/L	97
120) naphthalene	18.576	128	394335	49.66	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	132080	49.58	ug/L	100
122) hexachloroethane	17.082	119	68705	51.88	ug/L	97
123) Benzyl chloride	16.600	91	234041	54.82	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8978.D
Acq On : 19 Jun 2014 2:19 pm
Operator : BenM
Sample : jb69115-3ms
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 16:49:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8979.D
Acq On : 19 Jun 2014 2:46 pm
Operator : BenM
Sample : jb69115-3msd
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 16:49:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.466	65	143520	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	159707	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	211248	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	192609	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	112189	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.993	113	84118	55.63	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 111.26%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	78684	52.55	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 105.10%			
73) toluene-d8 (s)	12.552	98	238720	53.20	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.40%			
96) 4-bromofluorobenzene (s)	15.294	95	100054	51.32	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.64%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.650	88	28354	1263.58	ug/L #	99
3) tertiary butyl alcohol	7.597	59	76329	267.59	ug/L	99
6) chlorodifluoromethane	3.649	51	106618	46.09	ug/L	98
7) dichlorodifluoromethane	3.634	85	123140	48.31	ug/L	99
9) chloromethane	3.969	50	122620	48.82	ug/L	99
10) vinyl chloride	4.252	62	130184	49.30	ug/L	100
11) bromomethane	4.950	94	79133	46.70	ug/L	99
12) chloroethane	5.133	64	50084	52.24	ug/L	100
13) trichlorofluoromethane	5.657	101	135370	49.86	ug/L	99
14) ethyl ether	6.108	74	36464	55.14	ug/L	91
16) 2-chloropropane	6.339	43	119364	46.92	ug/L	99
17) acrolein	6.449	56	186851	528.63	ug/L	100
18) 1,1-dichloroethene	6.585	61	117401	47.72	ug/L	98
19) acetone	6.716	58	7809	56.81	ug/L	93
20) allyl chloride	7.215	76	33553	49.79	ug/L	92
21) acetonitrile	7.257	40	87673	619.86	ug/L	98
22) iodomethane	6.916	142	150695	47.32	ug/L	99
23) iso-butyl alcohol	10.303	41	36881	569.86	ug/L	97
24) carbon disulfide	7.021	76	288771	43.96	ug/L	99
25) methylene chloride	7.456	84	89776	49.12	ug/L	97
26) 1-chloropropane	7.461	41	32585	45.99	ug/L	97
27) methyl acetate	7.220	74	14541	60.09	ug/L	97
28) methyl tert butyl ether	7.802	73	252019	51.06	ug/L	100
29) trans-1,2-dichloroethene	7.859	61	107129	49.33	ug/L	98
30) di-isopropyl ether	8.483	45	270797	56.77	ug/L	98
31) ethyl tert-butyl ether	9.008	59	279338	58.62	ug/L	98
32) 2-butanone	9.348	72	9363	53.37	ug/L	87
33) 1,1-dichloroethane	8.531	63	136064	50.86	ug/L	99
34) chloroprene	8.625	53	92150	50.74	ug/L	97
35) acrylonitrile	7.886	53	164526	283.52	ug/L	98
36) vinyl acetate	8.531	86	10895	54.40	ug/L	85
37) ethyl acetate	9.359	45	12590	53.65	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8979.D
Acq On : 19 Jun 2014 2:46 pm
Operator : BenM
Sample : jb69115-3msd
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 16:49:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.348	77	119658	49.70	ug/L		97
39) cis-1,2-dichloroethene	9.359	61	138298	50.42	ug/L		96
40) propionitrile	9.495	54	133661	551.45	ug/L		97
41) methyl acrylate	9.438	55	86815	49.90	ug/L	#	99
42) bromochloromethane	9.705	128	42119	50.39	ug/L		92
43) tetrahydrofuran	9.726	42	28704	47.96	ug/L		99
44) chloroform	9.773	83	133066	48.91	ug/L		97
47) freon 113	6.543	151	61367	48.96	ug/L		96
48) methacrylonitrile	9.668	41	89208	43.86	ug/L		98
49) 1,1,1-trichloroethane	10.004	97	119935	48.54	ug/L		98
50) tert-amyl methyl ether	10.512	73	270899	56.35	ug/L		98
52) epichlorohydrin	12.216	57	41308	270.44	ug/L		97
53) n-butyl alcohol	11.084	56	158855	3149.96	ug/L		99
54) cyclohexane	10.051	84	107397	44.63	ug/L	#	100
55) carbon tetrachloride	10.208	117	107937	47.38	ug/L		99
56) 1,1-dichloropropene	10.193	75	87889	45.20	ug/L		99
57) hexane	8.169	57	79110	48.74	ug/L		97
58) benzene	10.481	78	271014	46.81	ug/L		99
59) isooctane	10.450	57	277102	49.48	ug/L		98
60) heptane	10.638	57	42193	47.42	ug/L		95
61) isopropyl acetate	10.439	43	280455	74.51	ug/L		90
62) 1,2-dichloroethane	10.533	62	90435	51.97	ug/L		97
63) trichloroethene	11.231	95	65114	44.66	ug/L		98
67) methyl methacrylate	11.535	69	46647	49.68	ug/L		98
68) 1,2-dichloropropane	11.524	63	69881	50.61	ug/L		100
69) methylcyclohexane	11.419	83	118987	48.62	ug/L		99
70) dibromomethane	11.692	93	49036	49.90	ug/L		98
71) bromodichloromethane	11.828	83	93729	48.24	ug/L		100
72) cis-1,3-dichloropropene	12.285	75	107253	47.67	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	33433	53.62	ug/L		90
75) toluene	12.625	92	138152	44.47	ug/L		99
76) 3-methyl-1-butanol	12.437	70	55237	1216.85	ug/L		94
77) trans-1,3-dichloropropene	12.861	75	97907	48.71	ug/L		99
78) ethyl methacrylate	12.840	69	87217	49.10	ug/L		98
79) 1,1,2-trichloroethane	13.082	83	55424	50.32	ug/L		99
80) 2-hexanone	13.249	58	30061	51.63	ug/L		99
82) tetrachloroethene	13.202	166	59261	43.42	ug/L		99
83) 1,3-dichloropropane	13.260	76	94266	45.78	ug/L		100
84) butyl acetate	13.312	56	50776	50.05	ug/L		93
85) dibromochloromethane	13.527	129	78284	47.06	ug/L		98
86) 1,2-dibromoethane	13.674	107	68565	45.72	ug/L		99
87) chlorobenzene	14.130	112	163748	43.48	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	74608	46.90	ug/L		98
89) ethylbenzene	14.183	91	285447	43.08	ug/L		100
90) m,p-xylene	14.293	106	207940	83.78	ug/L		97
91) o-xylene	14.728	106	113642	44.20	ug/L		98
92) styrene	14.744	104	178715	41.42	ug/L		99
93) bromoform	15.037	173	58404	44.54	ug/L		100
95) isopropylbenzene	15.069	105	299727	44.03	ug/L		99
97) bromobenzene	15.488	156	75988	43.57	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8979.D
Acq On : 19 Jun 2014 2:46 pm
Operator : BenM
Sample : jb69115-3msd
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 16:49:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

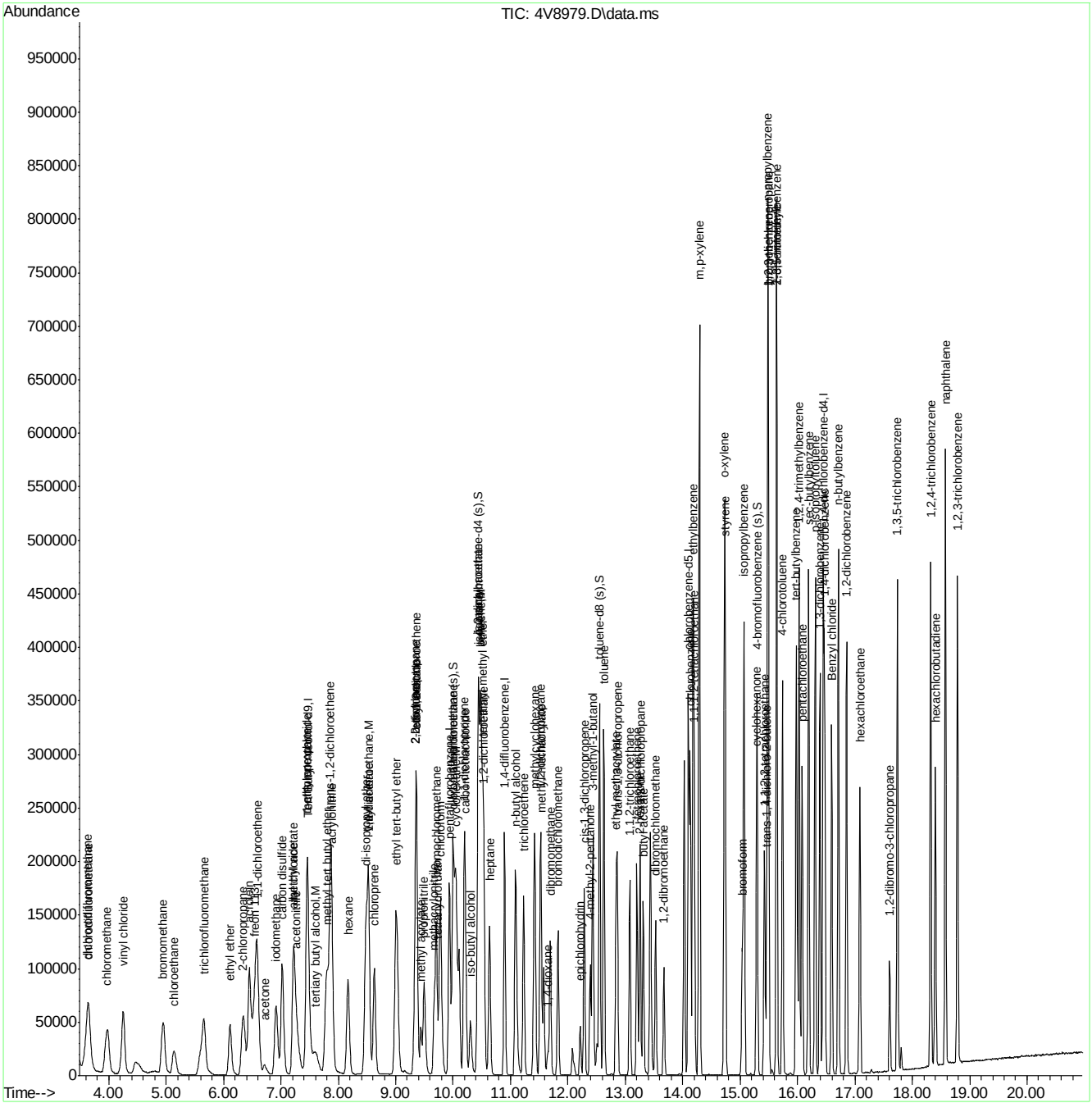
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	15.284	55	38350	146.00	ug/L	93
99) 1,1,2,2-tetrachloroethane	15.425	83	114836	46.33	ug/L	100
100) trans-1,4-dichloro-2-b...	15.462	53	23500	41.70	ug/L	98
101) 1,2,3-trichloropropane	15.493	110	23767	49.10	ug/L	99
102) n-propylbenzene	15.483	91	346860	42.70	ug/L	99
103) 2-chlorotoluene	15.640	126	71886	44.42	ug/L	95
104) 4-chlorotoluene	15.740	91	211235	41.82	ug/L	98
105) 1,3,5-trimethylbenzene	15.635	105	261291	44.81	ug/L	99
106) tert-butylbenzene	15.981	119	200317	42.81	ug/L	98
107) pentachloroethane	16.081	167	57630	49.82	ug/L	99
108) 1,2,4-trimethylbenzene	16.028	105	255095	43.10	ug/L	99
109) sec-butylbenzene	16.191	105	343409	42.14	ug/L	99
110) 1,3-dichlorobenzene	16.390	146	148925	42.03	ug/L	100
111) p-isopropyltoluene	16.311	119	275461	42.11	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	152268	42.04	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	158668	43.07	ug/L	99
115) n-butylbenzene	16.710	92	150839	41.50	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	25299	47.21	ug/L	96
117) 1,3,5-trichlorobenzene	17.743	180	135336	43.11	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	135113	45.96	ug/L	99
119) hexachlorobutadiene	18.403	225	53801	40.24	ug/L	99
120) naphthalene	18.576	128	402749	47.96	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	132446	47.01	ug/L	98
122) hexachloroethane	17.087	119	63774	45.54	ug/L	98
123) Benzyl chloride	16.594	91	237161	52.52	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8979.D
Acq On : 19 Jun 2014 2:46 pm
Operator : BenM
Sample : jb69115-3msd
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 16:49:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110951.D
Acq On : 22 Jun 2014 6:10 pm
Operator : prashans
Sample : JB69374-1MS
Misc : MS69207,V3C4996,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 10:13:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	34694	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	93595	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	128444	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	84333	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	34105	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	46609	54.66	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 109.32%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	64250	51.25	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.50%			
74) toluene-d8 (s)	12.09	98	172894	51.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.92%			
99) 4-bromofluorobenzene (s)	14.73	95	59102	57.27	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.54%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	8183	1122.34	ug/L #	99
3) tertiary butyl alcohol	7.42	59	28314	245.58	ug/L	92
6) chlorodifluoromethane	3.98	51	61274	52.13	ug/L	96
7) dichlorodifluoromethane	3.97	85	76396	58.65	ug/L	99
8) chloromethane	4.31	50	84129	52.15	ug/L	99
9) vinyl chloride	4.56	62	70174	52.79	ug/L	98
10) bromomethane	5.21	94	32123	46.78	ug/L	98
11) chloroethane	5.37	64	30385	50.09	ug/L	95
14) trichlorofluoromethane	5.81	101	79806	57.06	ug/L	99
15) ethyl ether	6.23	74	26134	47.86	ug/L	97
16) acrolein	6.47	56	62014	341.44	ug/L	94
17) 1,1-dichloroethene	6.64	61	91119	54.60	ug/L	99
18) acetone	6.68	58	7942	67.28	ug/L	95
19) allyl chloride	7.17	76	27806	51.29	ug/L	95
20) acetonitrile	7.11	40	45609	489.49	ug/L	97
21) iodomethane	6.92	142	70317	53.36	ug/L	99
22) iso-butyl alcohol	9.82	41	14259	367.10	ug/L	90
23) carbon disulfide	7.05	76	174304	51.22	ug/L	97
24) methylene chloride	7.35	84	49375	44.94	ug/L	98
25) methyl acetate	7.15	74	5344	40.32	ug/L	96
26) methyl tert butyl ether	7.68	73	130113	41.43	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	93703	54.45	ug/L	99
28) di-isopropyl ether	8.27	45	203802	47.26	ug/L	92
29) ethyl tert-butyl ether	8.74	59	169801	44.35	ug/L	99
30) 2-butanone	8.99	72	6183	55.34	ug/L	61
31) 1,1-dichloroethane	8.29	63	109170	53.89	ug/L	99
32) chloroprene	8.40	53	96516	55.89	ug/L	98
33) acrylonitrile	7.67	53	69228	206.70	ug/L	97
34) vinyl acetate	8.28	86	6062	41.04	ug/L	98
35) ethyl acetate	9.01	45	6172	45.18	ug/L	90
36) 2,2-dichloropropane	9.03	77	96546	56.90	ug/L	99
37) cis-1,2-dichloroethene	9.02	61	106869	53.37	ug/L	99
38) propionitrile	9.08	54	51143	396.54	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110951.D
Acq On : 22 Jun 2014 6:10 pm
Operator : prashans
Sample : JB69374-1MS
Misc : MS69207,V3C4996,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 10:13:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methyl Acrylate	9.09	85	4682	39.85	ug/L		95
40) bromochloromethane	9.34	128	20050	49.51	ug/L		93
41) tetrahydrofuran	9.38	72	4622	40.23	ug/L		100
42) chloroform	9.39	83	94005	49.09	ug/L		99
43) tert-Butyl Formate	9.43	59	37382	42.82	ug/L	#	87
46) freon 113	6.62	151	31767	48.59	ug/L		94
47) methacrylonitrile	9.27	41	26196	42.31	ug/L		99
48) 1,1,1-trichloroethane	9.65	97	85344	54.36	ug/L		97
49) Cyclohexane	9.72	84	95572	62.22	ug/L		78
51) 2,2,4-trimethylpentane	10.09	57	225772	46.73	ug/L		99
52) tert-amyl methyl ether	10.12	73	135486	40.03	ug/L		100
54) epichlorohydrin	11.71	57	16883	187.64	ug/L		92
55) n-butyl alcohol	10.58	56	59617	1909.21	ug/L		97
56) carbon tetrachloride	9.85	117	73017	54.92	ug/L		99
57) 1,1-dichloropropene	9.82	75	77487	53.17	ug/L		100
58) hexane	8.03	57	80286	48.80	ug/L		100
59) benzene	10.09	78	208671	48.73	ug/L		99
60) heptane	10.26	57	46176	45.78	ug/L		98
61) isopropyl acetate	10.00	87	7455	41.30	ug/L	#	1
62) 1,2-dichloroethane	10.10	62	71271	50.04	ug/L		100
63) trichloroethene	10.80	95	52325	53.17	ug/L		98
66) 2-nitropropane	11.57	41	16214	42.93	ug/L		94
67) 2-chloroethyl vinyl ether	11.59	63	88852	231.64	ug/L		98
68) methyl methacrylate	11.06	100	7729	41.35	ug/L	#	68
69) 1,2-dichloropropane	11.06	63	55229	48.49	ug/L		96
70) methylcyclohexane	11.02	83	86559	48.19	ug/L		99
71) dibromomethane	11.23	93	23269	46.43	ug/L		95
72) bromodichloromethane	11.35	83	64996	50.87	ug/L		97
73) cis-1,3-dichloropropene	11.81	75	76206	49.09	ug/L		96
75) 4-methyl-2-pentanone	11.89	58	13722	39.47	ug/L		95
76) toluene	12.17	91	189736	46.58	ug/L		100
77) 3-methyl-1-butanol	11.91	70	18521	725.28	ug/L		91
78) trans-1,3-dichloropropene	12.36	75	64819	46.45	ug/L		97
79) ethyl methacrylate	12.35	69	46209	43.30	ug/L		97
80) 1,1,2-trichloroethane	12.57	97	27297	42.01	ug/L		99
81) 2-hexanone	12.74	58	15486	50.19	ug/L		92
83) tetrachloroethene	12.75	166	42805	55.22	ug/L		97
84) 1,3-dichloropropane	12.75	76	52837	47.12	ug/L		99
85) butyl acetate	12.81	56	21505	44.02	ug/L		93
86) dibromochloromethane	13.01	129	32591	50.44	ug/L		99
87) 1,2-dibromoethane	13.16	107	25863	47.60	ug/L		95
88) 3,3-Dimethyl-1-Butanol	12.90	57	33175	377.17	ug/L		99
89) chlorobenzene	13.62	112	97548	48.52	ug/L		98
90) 1,1,1,2-tetrachloroethane	13.68	131	36206	51.76	ug/L		99
91) ethylbenzene	13.67	91	190417	49.62	ug/L		98
92) m,p-xylene	13.78	106	135403	101.51	ug/L		99
93) o-xylene	14.19	91	154355	50.87	ug/L		97
94) styrene	14.20	104	100946	52.98	ug/L		98
96) bromoform	14.46	173	18198	47.44	ug/L		96
98) isopropylbenzene	14.53	105	173758	51.44	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110951.D
Acq On : 22 Jun 2014 6:10 pm
Operator : prashans
Sample : JB69374-1MS
Misc : MS69207,V3C4996,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 10:13:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

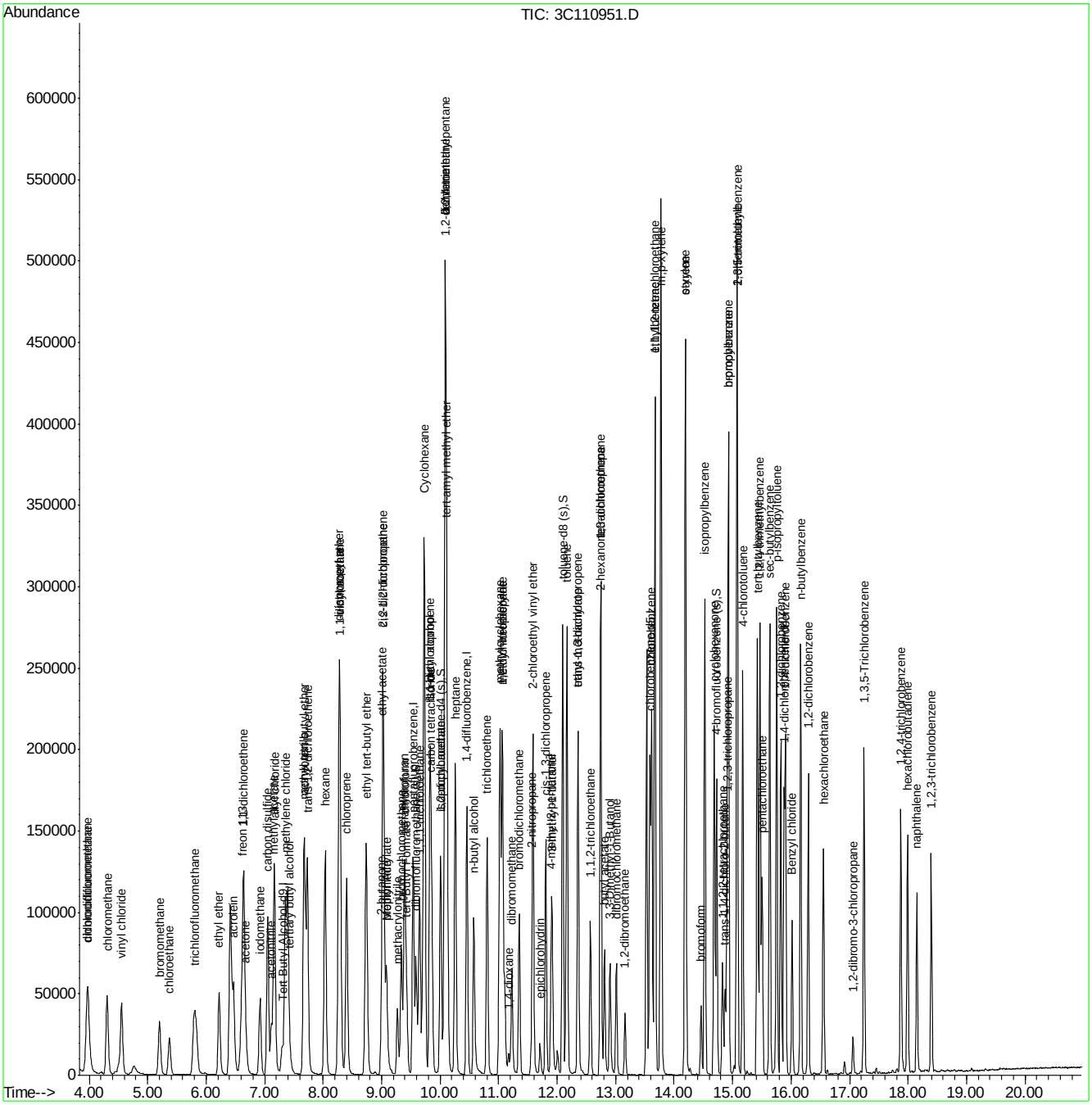
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) bromobenzene	14.92	156	34922	49.38	ug/L	94
101) cyclohexanone	14.69	55	85813	560.50	ug/L	95
102) 1,1,2,2-tetrachloroethane	14.83	83	33257	45.05	ug/L	98
103) trans-1,4-dichloro-2-buten	14.87	53	11626	50.44	ug/L	87
104) 1,2,3-trichloropropane	14.90	110	7960	43.87	ug/L	90
105) n-propylbenzene	14.93	91	198276	52.74	ug/L	99
107) 2-chlorotoluene	15.07	126	37431	51.24	ug/L	93
108) 4-chlorotoluene	15.17	126	37880	51.10	ug/L	94
109) 1,3,5-trimethylbenzene	15.08	105	145367	51.97	ug/L	99
110) tert-butylbenzene	15.43	119	118419	51.90	ug/L	97
111) pentachloroethane	15.51	167	21052	49.82	ug/L	97
112) 1,2,4-trimethylbenzene	15.47	105	139133	50.92	ug/L	99
113) sec-butylbenzene	15.63	105	176342	51.42	ug/L	99
114) 1,3-dichlorobenzene	15.82	146	67122	48.14	ug/L	99
115) p-isopropyltoluene	15.75	119	142323	52.16	ug/L	96
116) 1,4-dichlorobenzene	15.91	146	65228	46.59	ug/L	98
117) 1,2-dichlorobenzene	16.29	146	59918	46.18	ug/L	98
119) n-butylbenzene	16.16	92	74363	51.66	ug/L	98
121) 1,2-dibromo-3-chloropropan	17.06	157	4649	41.07	ug/L	95
122) 1,3,5-Trichlorobenzene	17.25	180	52850	52.33	ug/L	99
123) 1,2,4-trichlorobenzene	17.88	180	41435	54.58	ug/L	98
124) hexachlorobutadiene	17.99	225	30138	49.61	ug/L	95
125) naphthalene	18.15	128	72831	45.54	ug/L	99
126) 1,2,3-trichlorobenzene	18.40	180	35916	50.60	ug/L	99
127) hexachloroethane	16.55	119	26923	54.06	ug/L	98
128) Benzyl chloride	16.02	91	60351	47.73	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110951.D
Acq On : 22 Jun 2014 6:10 pm
Operator : prashans
Sample : JB69374-1MS
Misc : MS69207,V3C4996,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 10:13:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110952.D
Acq On : 22 Jun 2014 6:37 pm
Operator : prashans
Sample : JB69374-1MSD
Misc : MS69207,V3C4996,6.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 10:25:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.31	65	31848	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	90593	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	122049	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	79715	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	32392	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.59	113	43636	52.87	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.74%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	57111	47.07	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.14%			
74) toluene-d8 (s)	12.09	98	164260	51.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.90%			
99) 4-bromofluorobenzene (s)	14.73	95	55608	56.73	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 113.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	7660	1144.49	ug/L #	97
3) tertiary butyl alcohol	7.42	59	26603	251.36	ug/L	88
6) chlorodifluoromethane	3.98	51	61786	54.31	ug/L	95
7) dichlorodifluoromethane	3.97	85	74221	58.87	ug/L	99
8) chloromethane	4.31	50	80486	51.54	ug/L	98
9) vinyl chloride	4.56	62	68566	53.29	ug/L	99
10) bromomethane	5.21	94	31175	46.91	ug/L	96
11) chloroethane	5.37	64	29943	51.00	ug/L	94
14) trichlorofluoromethane	5.80	101	77681	57.38	ug/L	100
15) ethyl ether	6.23	74	25302	47.87	ug/L	96
16) acrolein	6.47	56	61405	349.29	ug/L	95
17) 1,1-dichloroethene	6.64	61	90236	55.86	ug/L	100
18) acetone	6.69	58	7648	66.93	ug/L	98
19) allyl chloride	7.17	76	28281	53.90	ug/L	89
20) acetonitrile	7.11	40	20559	227.95	ug/L	99
21) iodomethane	6.92	142	69322	54.34	ug/L	100
22) iso-butyl alcohol	9.82	41	14745	392.19	ug/L	94
23) carbon disulfide	7.05	76	170153	51.65	ug/L	98
24) methylene chloride	7.35	84	48675	45.77	ug/L	97
25) methyl acetate	7.15	74	5218	40.68	ug/L	96
26) methyl tert butyl ether	7.68	73	127135	41.82	ug/L	99
27) trans-1,2-dichloroethene	7.73	61	92291	55.41	ug/L	97
28) di-isopropyl ether	8.27	45	198038	47.44	ug/L	92
29) ethyl tert-butyl ether	8.74	59	163763	44.19	ug/L	98
30) 2-butanone	8.99	72	6003	55.50	ug/L	62
31) 1,1-dichloroethane	8.29	63	105436	53.77	ug/L	98
32) chloroprene	8.40	53	95897	57.37	ug/L	98
33) acrylonitrile	7.67	53	61750	190.48	ug/L	98
34) vinyl acetate	8.28	86	5787	40.48	ug/L	89
35) ethyl acetate	9.01	45	5370	40.61	ug/L	89
36) 2,2-dichloropropane	9.03	77	96609	58.83	ug/L	100
37) cis-1,2-dichloroethene	9.02	61	104766	54.06	ug/L	99
38) propionitrile	9.08	54	49871	399.49	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110952.D
Acq On : 22 Jun 2014 6:37 pm
Operator : prashans
Sample : JB69374-1MSD
Misc : MS69207,V3C4996,6.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 10:25:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Methyl Acrylate	9.09	85	4404	38.84 ug/L		99
40) bromochloromethane	9.34	128	19723	50.32 ug/L		96
41) tetrahydrofuran	9.38	72	4664	41.94 ug/L		96
42) chloroform	9.39	83	91455	49.34 ug/L		98
43) tert-Butyl Formate	9.43	59	35573	42.10 ug/L	#	87
46) freon 113	6.62	151	33105	52.31 ug/L		93
47) methacrylonitrile	9.27	41	25033	41.77 ug/L		97
48) 1,1,1-trichloroethane	9.65	97	86123	56.67 ug/L		97
49) Cyclohexane	9.72	84	80687	54.27 ug/L		98
51) 2,2,4-trimethylpentane	10.09	57	230088	49.21 ug/L		99
52) tert-amyl methyl ether	10.12	73	129731	39.60 ug/L		99
54) epichlorohydrin	11.71	57	16512	193.13 ug/L		99
55) n-butyl alcohol	10.57	56	60991	2039.74 ug/L		99
56) carbon tetrachloride	9.85	117	73286	58.01 ug/L		98
57) 1,1-dichloropropene	9.83	75	78149	56.43 ug/L		98
58) hexane	8.03	57	82138	52.55 ug/L		100
59) benzene	10.09	78	204432	50.25 ug/L		99
60) heptane	10.26	57	47183	49.23 ug/L		97
61) isopropyl acetate	10.01	87	7091	41.35 ug/L	#	71
62) 1,2-dichloroethane	10.10	62	68995	50.98 ug/L		97
63) trichloroethene	10.80	95	51901	55.50 ug/L		98
66) 2-nitropropane	11.57	41	15730	43.83 ug/L		99
67) 2-chloroethyl vinyl ether	11.59	63	85528	234.66 ug/L		100
68) methyl methacrylate	11.06	100	7513	42.30 ug/L	#	61
69) 1,2-dichloropropane	11.06	63	54079	49.97 ug/L		96
70) methylcyclohexane	11.02	83	89197	52.26 ug/L		98
71) dibromomethane	11.22	93	22742	47.76 ug/L		95
72) bromodichloromethane	11.35	83	63483	52.29 ug/L		97
73) cis-1,3-dichloropropene	11.81	75	75935	51.48 ug/L		93
75) 4-methyl-2-pentanone	11.89	58	13388	40.52 ug/L		99
76) toluene	12.17	91	186971	48.30 ug/L		99
77) 3-methyl-1-butanol	11.92	70	17545	723.33 ug/L		96
78) trans-1,3-dichloropropene	12.36	75	63600	47.97 ug/L		98
79) ethyl methacrylate	12.35	69	45407	44.78 ug/L		96
80) 1,1,2-trichloroethane	12.57	97	27262	44.16 ug/L		98
81) 2-hexanone	12.74	58	13780	47.00 ug/L		94
83) tetrachloroethene	12.75	166	43031	58.73 ug/L		99
84) 1,3-dichloropropane	12.75	76	52673	49.70 ug/L		98
85) butyl acetate	12.82	56	20715	44.86 ug/L		99
86) dibromochloromethane	13.01	129	32096	52.55 ug/L		99
87) 1,2-dibromoethane	13.17	107	24944	48.57 ug/L		100
88) 3,3-Dimethyl-1-Butanol	12.90	57	31368	377.28 ug/L		98
89) chlorobenzene	13.62	112	96605	50.83 ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	35637	53.90 ug/L		99
91) ethylbenzene	13.67	91	187679	51.74 ug/L		99
92) m,p-xylene	13.78	106	133952	106.23 ug/L		97
93) o-xylene	14.19	91	152054	53.01 ug/L		99
94) styrene	14.20	104	98993	54.97 ug/L		98
96) bromoform	14.46	173	17485	48.22 ug/L		97
98) isopropylbenzene	14.53	105	172958	53.91 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110952.D
Acq On : 22 Jun 2014 6:37 pm
Operator : prashans
Sample : JB69374-1MSD
Misc : MS69207,V3C4996,6.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 10:25:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

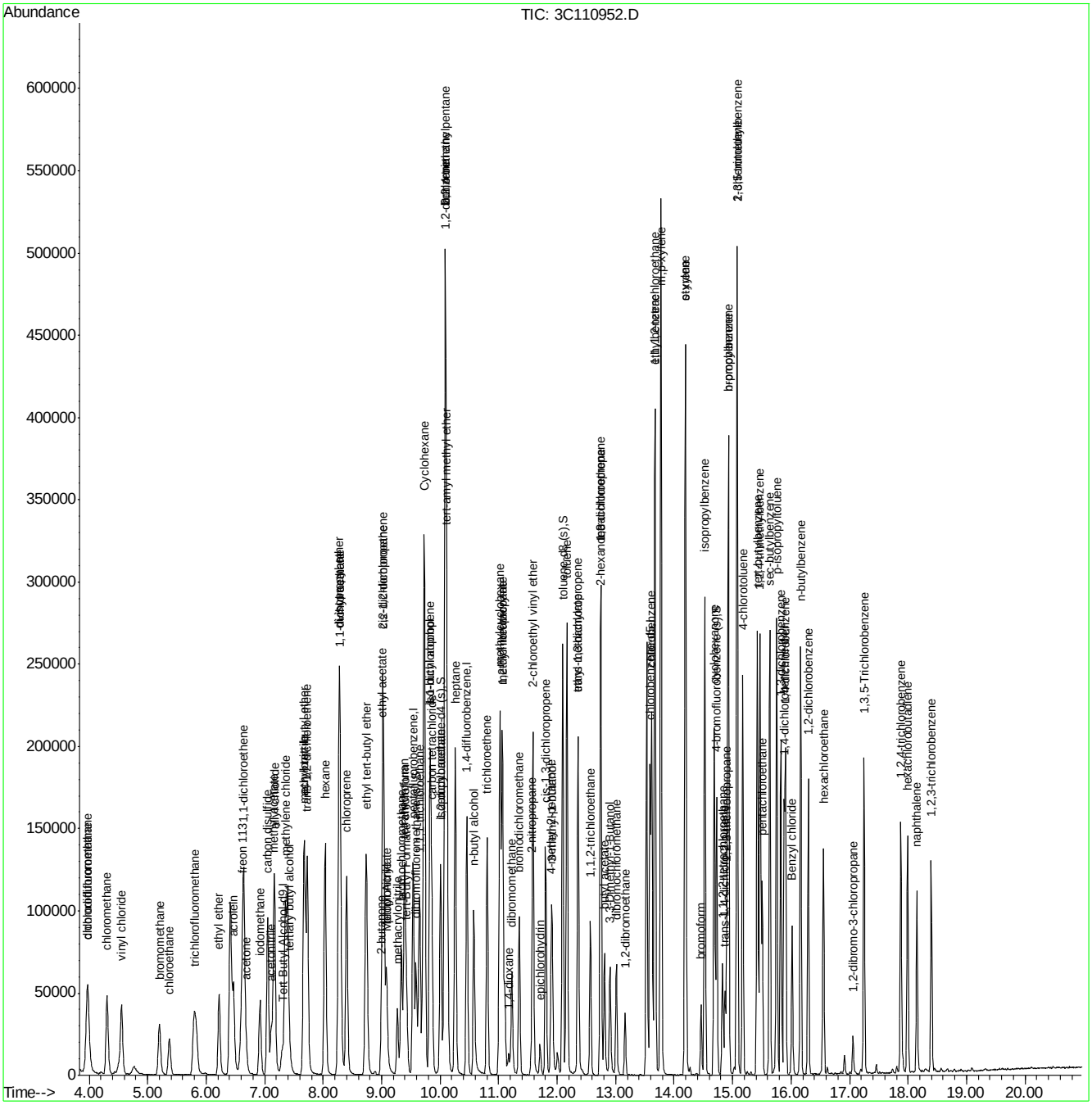
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
100) bromobenzene	14.92	156	34302	51.07 ug/L	92
101) cyclohexanone	14.69	55	83217	572.29 ug/L	93
102) 1,1,2,2-tetrachloroethane	14.83	83	31196	44.50 ug/L	100
103) trans-1,4-dichloro-2-buten	14.87	53	11296	51.60 ug/L	87
104) 1,2,3-trichloropropane	14.90	110	7885	45.75 ug/L	92
105) n-propylbenzene	14.93	91	195195	54.66 ug/L	98
107) 2-chlorotoluene	15.08	126	36669	52.85 ug/L	94
108) 4-chlorotoluene	15.17	126	37075	52.66 ug/L	94
109) 1,3,5-trimethylbenzene	15.08	105	143251	53.93 ug/L	99
110) tert-butylbenzene	15.43	119	117437	54.19 ug/L	97
111) pentachloroethane	15.50	167	20753	51.71 ug/L	95
112) 1,2,4-trimethylbenzene	15.47	105	137378	52.94 ug/L	99
113) sec-butylbenzene	15.64	105	174526	53.58 ug/L	99
114) 1,3-dichlorobenzene	15.82	146	65513	49.47 ug/L	99
115) p-isopropyltoluene	15.75	119	140945	54.39 ug/L	97
116) 1,4-dichlorobenzene	15.91	146	64194	48.27 ug/L	99
117) 1,2-dichlorobenzene	16.29	146	58551	47.52 ug/L	98
119) n-butylbenzene	16.16	92	72530	53.05 ug/L	99
121) 1,2-dibromo-3-chloropropan	17.06	157	4658	43.32 ug/L	93
122) 1,3,5-Trichlorobenzene	17.25	180	52170	54.38 ug/L	99
123) 1,2,4-trichlorobenzene	17.87	180	40630	56.34 ug/L	99
124) hexachlorobutadiene	17.99	225	29038	50.33 ug/L	95
125) naphthalene	18.15	128	72016	47.41 ug/L	98
126) 1,2,3-trichlorobenzene	18.40	180	34973	51.87 ug/L	99
127) hexachloroethane	16.55	119	26677	56.40 ug/L	97
128) Benzyl chloride	16.02	91	56800	47.30 ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110952.D
Acq On : 22 Jun 2014 6:37 pm
Operator : prashans
Sample : JB69374-1MSD
Misc : MS69207,V3C4996,6.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 10:25:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

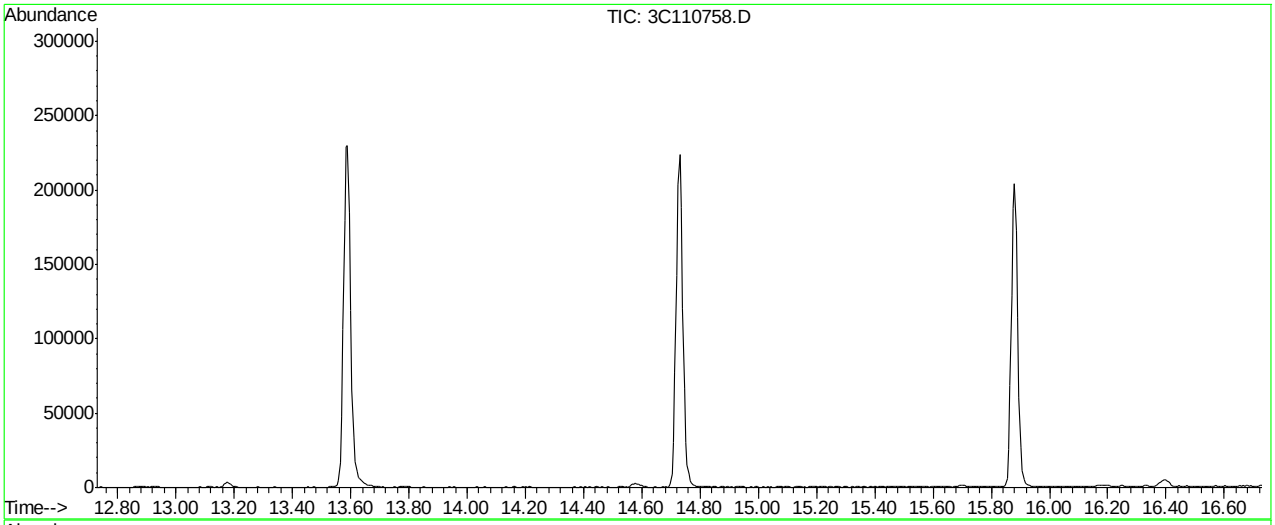


M3C4989.M Mon Jun 23 10:25:53 2014 MS3C Page: 4

SW-846 Method 8260

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

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



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

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

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

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

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

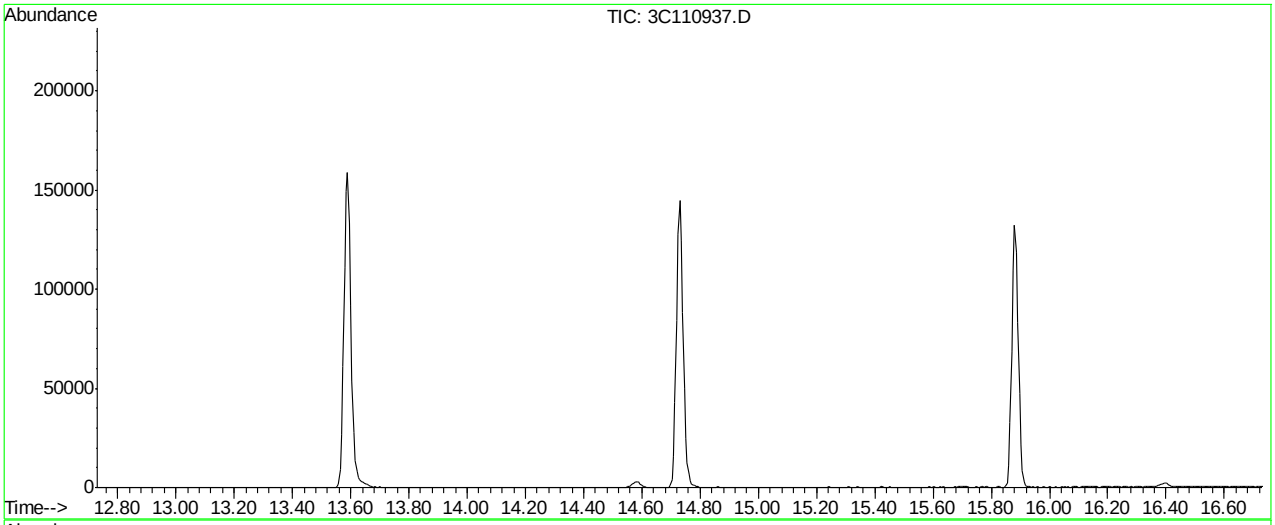
Average of 14.724 to 14.735 min.: 3C110758.D
BFB
Modified:subtracted

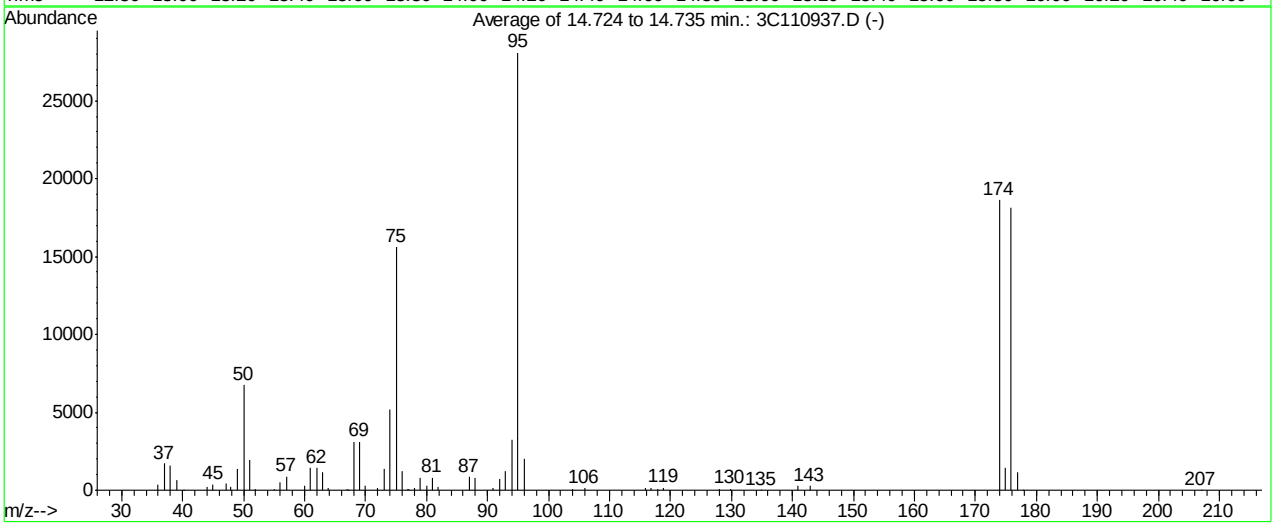
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	1696	117.85	126	147.90	61		
94.00	4898	118.85	218	154.90	34		
95.00	44384	127.85	115	156.90	97		
96.00	2978	128.90	59	161.00	28		
97.05	103	129.90	151	173.90	31696		
103.90	176	134.90	30	174.95	2537		
104.90	30	136.80	29	175.90	31026		
105.85	180	140.90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

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\3C110937.D Vial: 1
Acq On : 22 Jun 2014 10:55 am Operator: prashans
Sample : BFB Inst : MS3C
Misc : MS69087,V3C4996,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	6745	PASS
75	95	30	60	55.5	15592	PASS
95	95	100	100	100.0	28101	PASS
96	95	5	9	7.2	2035	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	66.2	18616	PASS
175	174	5	9	7.6	1411	PASS
176	174	95	101	97.5	18145	PASS
177	176	5	9	6.5	1181	PASS

3C110937.D M3C4989.M Mon Jun 23 10:05:28 2014 MS3C

Average of 14.724 to 14.735 min.: 3C110937.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	334	51.00	1957	67.20	36	78.00	124
37.00	1723	52.00	93	68.00	3113	78.90	801
38.00	1582	54.95	72	69.00	3123	79.95	262
39.00	651	55.95	486	70.00	262	80.90	825
40.10	25	57.00	900	72.00	146	81.95	185
43.95	183	60.00	256	73.00	1381	87.00	863
45.00	362	61.00	1425	74.00	5217	87.95	806
47.05	442	62.00	1429	75.00	15592	90.95	123
47.95	204	63.00	1178	76.00	1247	92.00	737
49.00	1392	63.95	111	76.90	59	93.00	1190
50.00	6745	67.00	71	77.05	95	94.00	3229

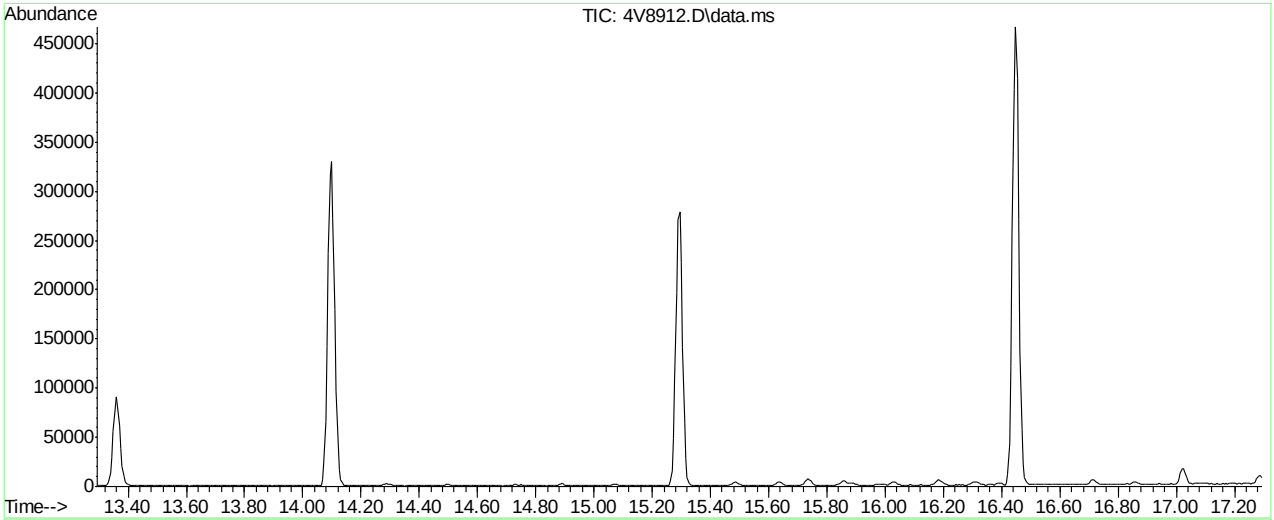
Average of 14.724 to 14.735 min.: 3C110937.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	28101	140.85	265				
96.00	2035	142.85	287				
103.90	104	173.90	18616				
105.95	137	174.90	1411				
115.90	115	175.90	18145				
116.85	145	176.90	1181				
117.95	99	177.90	31				
118.85	157	207.00	34				
127.95	82						
129.85	91						
134.90	25						

SW-846 Method 8260

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

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



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

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

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

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

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

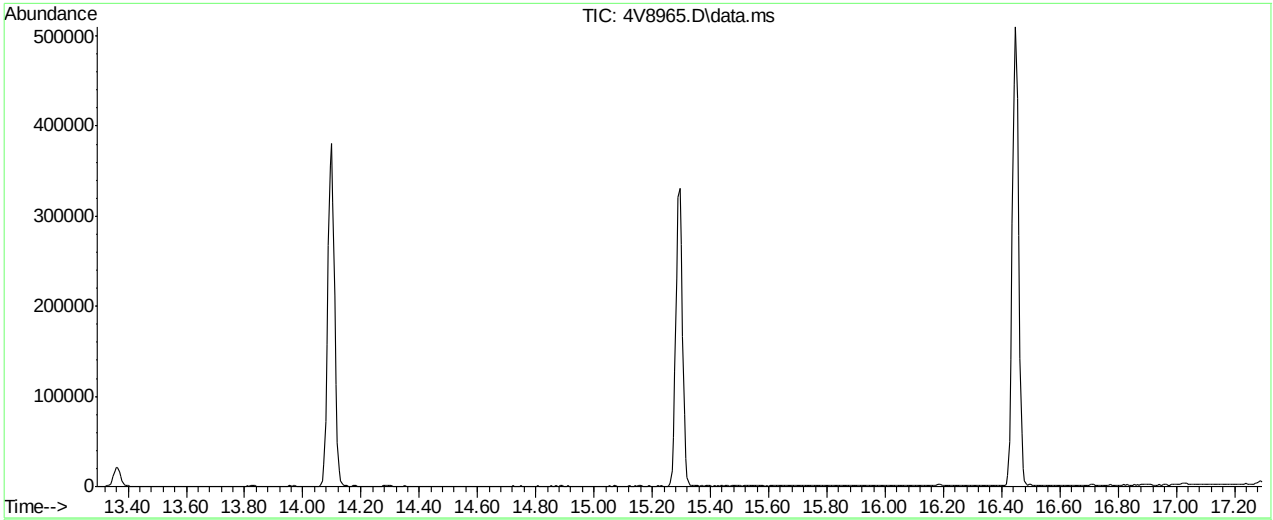
Average of 15.289 to 15.299 min.: 4V8912.D\data.ms
bfb
Modified:subtracted

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

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\4V8965.D Vial: 1
Acq On : 19 Jun 2014 8:26 am Operator: BenM
Sample : bfb Inst : GCMS4V
Misc : MS69086,V4V370,5,,,,1 Multiplr: 1.00
MS Integration Params: lcsint.p

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



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	10884	PASS
75	95	30	60	43.3	29088	PASS
95	95	100	100	100.0	67187	PASS
96	95	5	9	6.4	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	82.2	55203	PASS
175	174	5	9	7.5	4128	PASS
176	174	95	101	97.7	53947	PASS
177	176	5	9	6.5	3481	PASS

4V8965.D M4V368.M Thu Jun 19 16:21:36 2014 RPT1

Average of 15.289 to 15.299 min.: 4V8965.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	502	51.10	3337	68.00	6092	79.95	428
37.10	2566	52.10	65	69.05	6123	81.00	1492
38.05	2306	55.05	129	70.05	434	81.95	314
39.05	894	56.05	805	72.00	317	87.00	3616
40.00	5	57.05	1426	73.05	2613	88.00	3489
44.00	286	60.00	519	74.10	9552	90.90	244
45.05	513	61.00	2614	75.10	29088	92.00	1601
47.00	1092	62.00	2583	76.05	2466	93.00	2316
48.00	335	63.00	1809	77.00	453	94.10	6838
49.00	2151	64.05	123	78.05	370	95.10	67187
50.10	10884	67.00	120	79.00	1454	96.05	4322

Average of 15.289 to 15.299 min.: 4V8965.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	56	147.90	64				
103.95	240	154.95	176				
105.90	233	174.00	55203				
115.95	205	175.00	4128				
116.95	360	176.00	53947				
117.95	213	177.00	3481				
118.95	334	207.05	115				
127.95	212						
129.90	216						
140.95	591						
142.95	569						

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	50040	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	131030	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.46	114	173570	50.00	ug/L	0.00
82) chlorobenzene-d5	13.59	117	126063	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	50385	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 59 - 130		Recovery =	0.00%#		
45) 1,2-dichloroethane-d4 (s)	0.00	65	0d	0.00	ug/L	
Spiked Amount 50.000	Range 65 - 123		Recovery =	0.00%#		
74) toluene-d8 (s)	0.00	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 80 - 124		Recovery =	0.00%#		
99) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 71 - 132		Recovery =	0.00%#		
Target Compounds						Qvalue
17) 1,1-dichloroethene	6.65	61	459	0.13	ug/L #	68
23) carbon disulfide	7.06	76	1087	0.14	ug/L	81
26) methyl tert butyl ether	7.67	73	968	0.16	ug/L	68
27) trans-1,2-dichloroethene	7.73	61	506	0.14	ug/L	96
28) di-isopropyl ether	8.28	45	1059	0.14	ug/L #	56
29) ethyl tert-butyl ether	8.74	59	947	0.13	ug/L	88
31) 1,1-dichloroethane	8.30	63	547	0.13	ug/L	83
32) chloroprene	8.41	53	357	0.10	ug/L	71
37) cis-1,2-dichloroethene	9.03	61	506	0.12	ug/L #	75
42) chloroform	9.39	83	678	0.18	ug/L	78
48) 1,1,1-trichloroethane	9.65	97	454	0.13	ug/L	87
49) Cyclohexane	9.72	84	403	0.11	ug/L #	44
51) 2,2,4-trimethylpentane	10.08	57	1398	0.14	ug/L #	86
52) tert-amyl methyl ether	10.12	73	1148	0.17	ug/L	51
56) carbon tetrachloride	9.86	117	380	0.16	ug/L #	45
59) benzene	10.10	78	1345	0.18	ug/L	96
62) 1,2-dichloroethane	10.11	62	311	0.15	ug/L #	49
70) methylcyclohexane	11.02	83	472	0.14	ug/L #	71
73) cis-1,3-dichloropropene	11.81	75	361	0.13	ug/L #	77
91) ethylbenzene	13.67	91	1417	0.19	ug/L	98
92) m,p-xylene	13.78	106	891	0.33	ug/L	93
93) o-xylene	14.20	91	937	0.15	ug/L	99
94) styrene	14.21	104	544	0.13	ug/L	92
98) isopropylbenzene	14.53	105	1239	0.19	ug/L	94
105) n-propylbenzene	14.94	91	1218	0.16	ug/L	93
106) 4-Ethyltoluene	15.04	105	908	0.15	ug/L	94
109) 1,3,5-trimethylbenzene	15.09	105	836	0.15	ug/L	92
112) 1,2,4-trimethylbenzene	15.48	105	850	0.16	ug/L	87
113) sec-butylbenzene	15.64	105	1112	0.16	ug/L	95
114) 1,3-dichlorobenzene	15.83	146	469	0.19	ug/L	75
115) p-isopropyltoluene	15.75	119	863	0.16	ug/L	91
116) 1,4-dichlorobenzene	15.91	146	514	0.21	ug/L	83
117) 1,2-dichlorobenzene	16.30	146	434	0.19	ug/L	86

Quantitation Report (QT Reviewed)

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

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

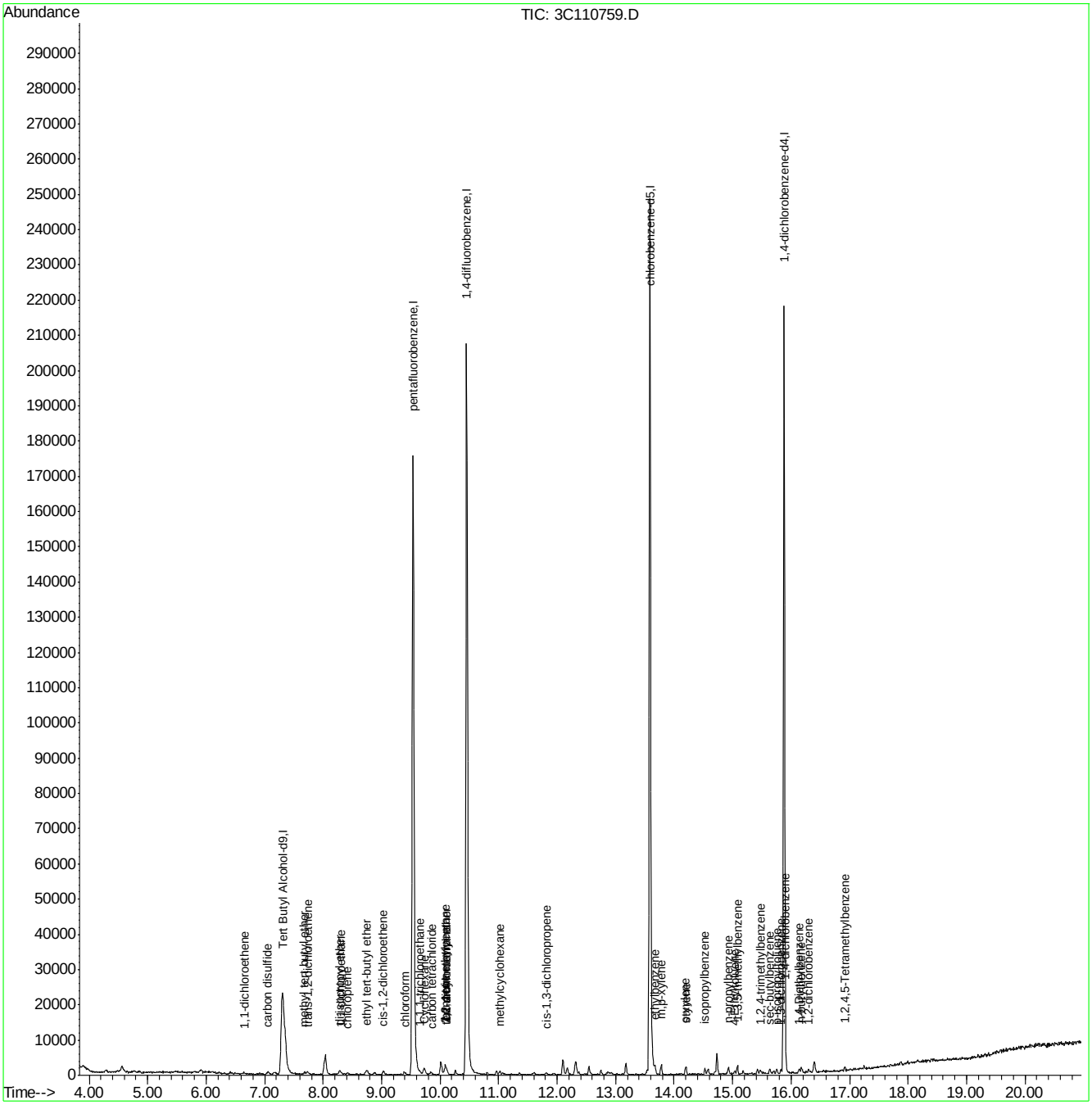
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
118) 1,4-Diethylbenzene	16.13	119	430	0.13	ug/L		93
119) n-butylbenzene	16.17	92	451	0.16	ug/L	#	69
120) 1,2,4,5-Tetramethylbenzene	16.92	119	663	0.13	ug/L		83

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

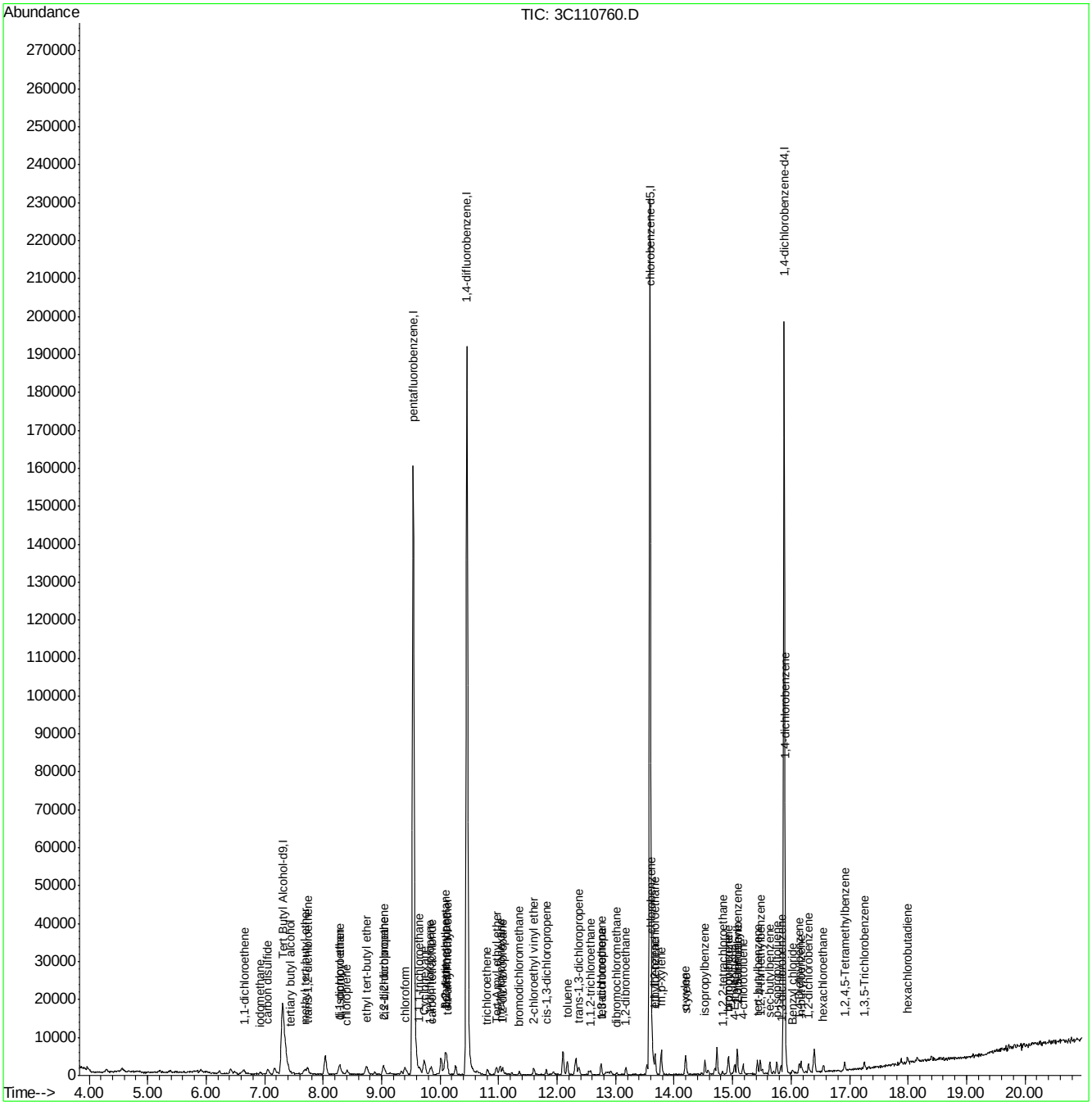
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) dibromochloromethane	13.02	129	382	0.36	ug/L		82
87) 1,2-dibromoethane	13.16	107	343	0.37	ug/L	#	61
89) chlorobenzene	13.62	112	1572	0.45	ug/L		95
90) 1,1,1,2-tetrachloroethane	13.68	131	471	0.37	ug/L		88
91) ethylbenzene	13.67	91	2812	0.41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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

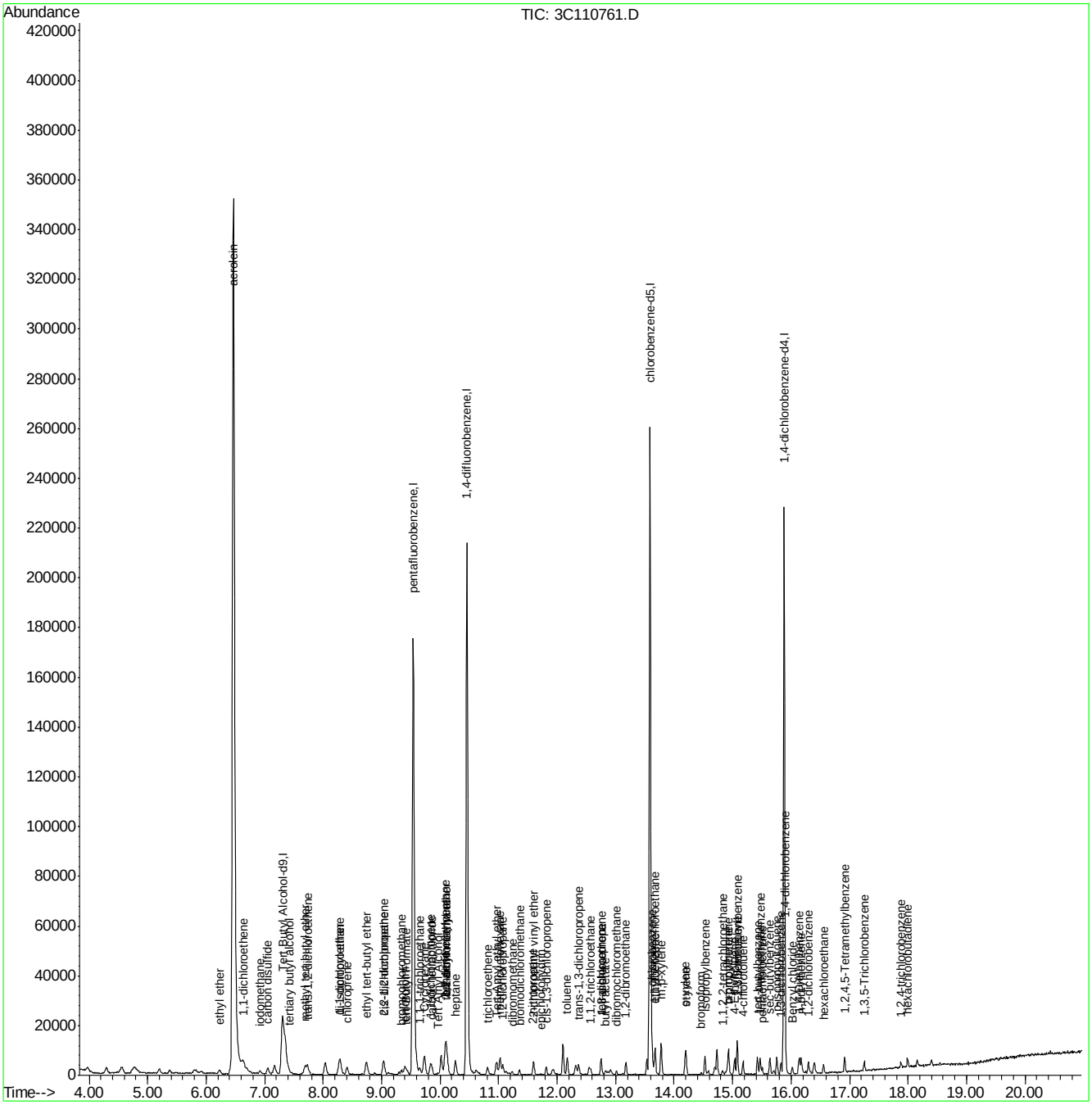
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) methylcyclohexane	11.03	83	2858	0.86	ug/L		86
71) dibromomethane	11.23	93	534	0.65	ug/L		80
72) bromodichloromethane	11.36	83	1473	0.68	ug/L		98
73) cis-1,3-dichloropropene	11.81	75	1899	0.69	ug/L		94
76) toluene	12.17	91	5273	0.71	ug/L	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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

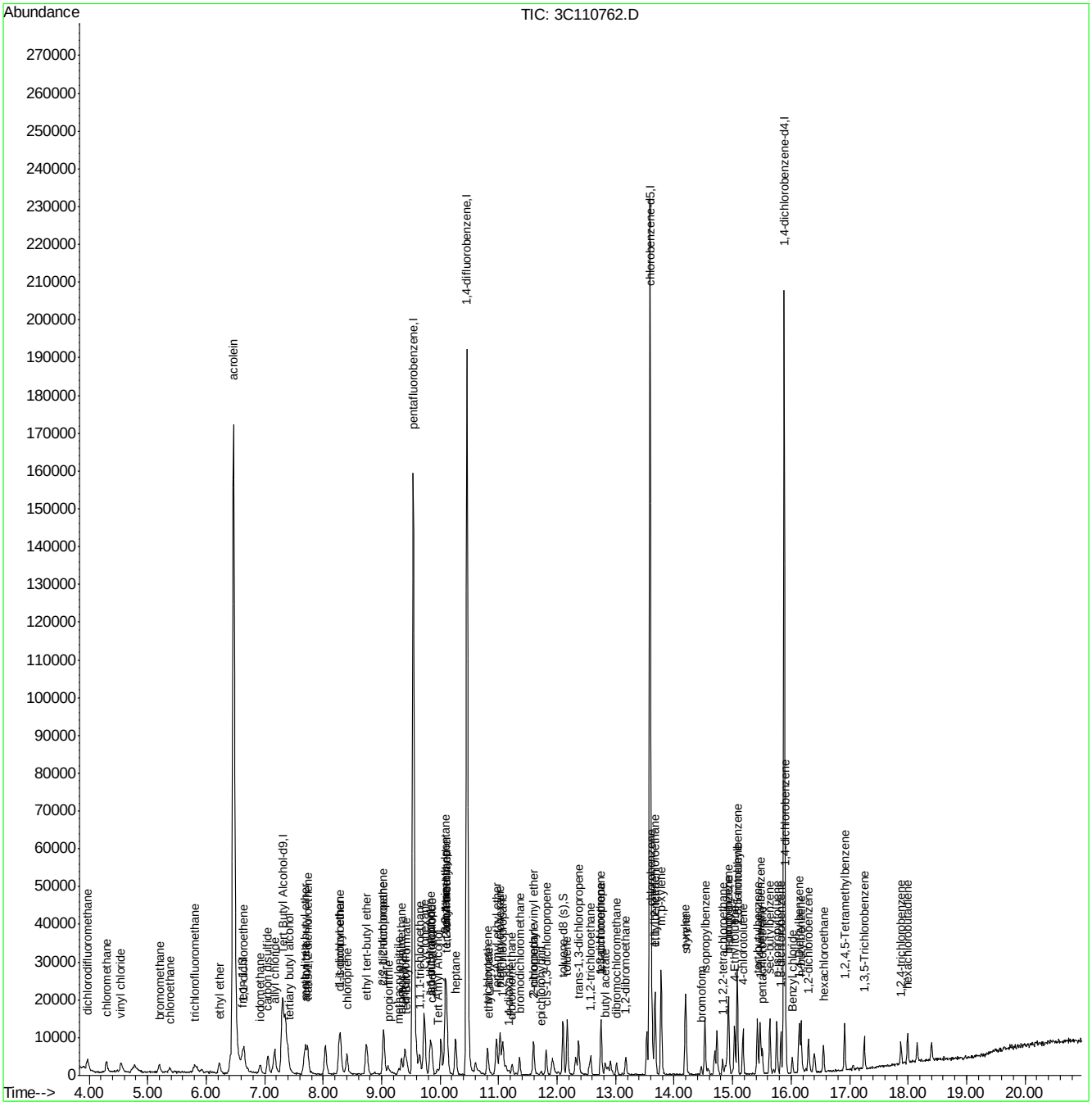
7.6.4

7

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

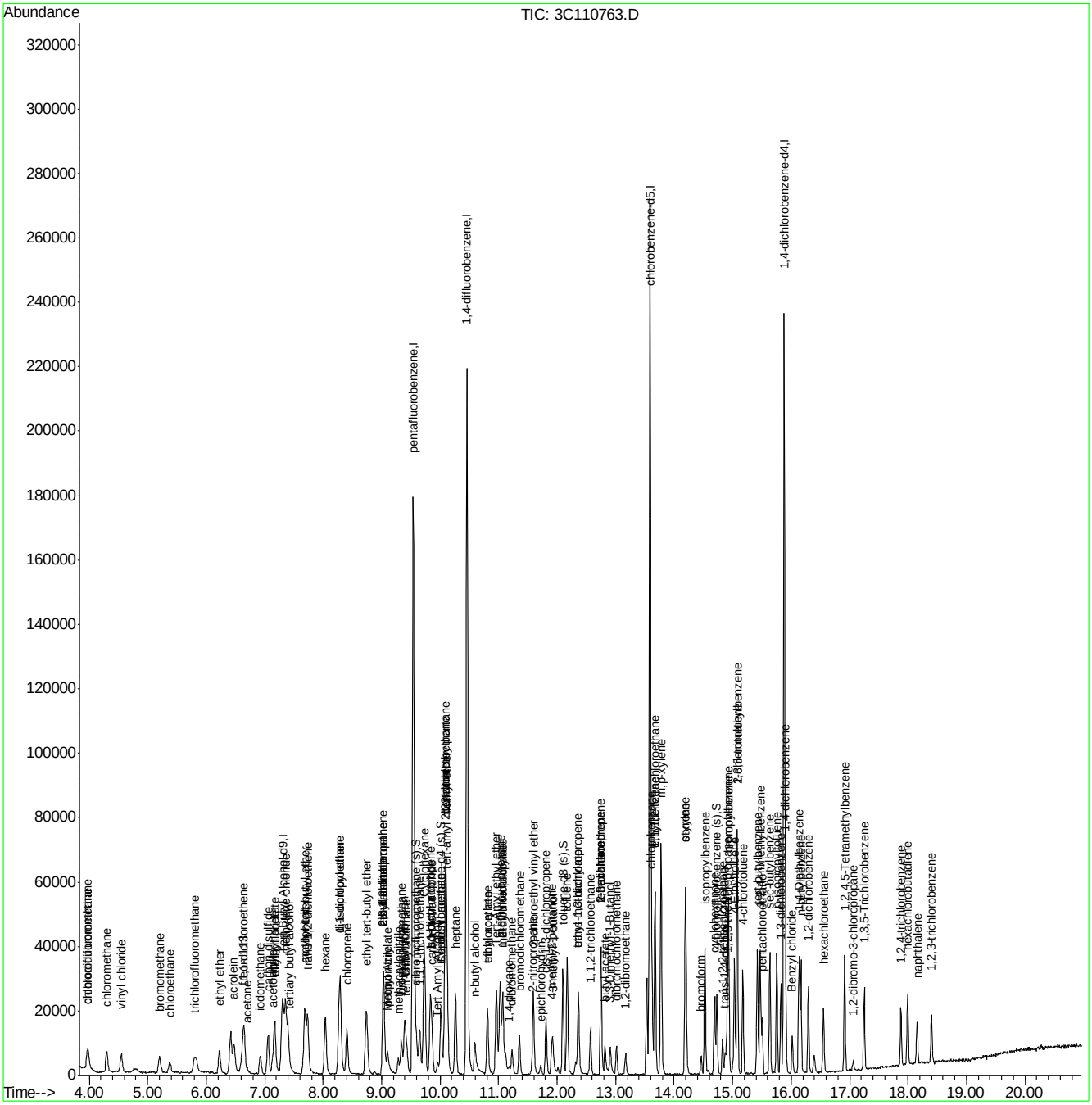
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromoform	14.46	173	2641	4.51	ug/L	97
98) isopropylbenzene	14.53	105	25493	4.89	ug/L	100
100) bromobenzene	14.93	156	5391	4.94	ug/L	93
101) cyclohexanone	14.69	55	10611	49.48	ug/L	96
102) 1,1,2,2-tetrachloroethane	14.83	83	5353	4.70	ug/L	87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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

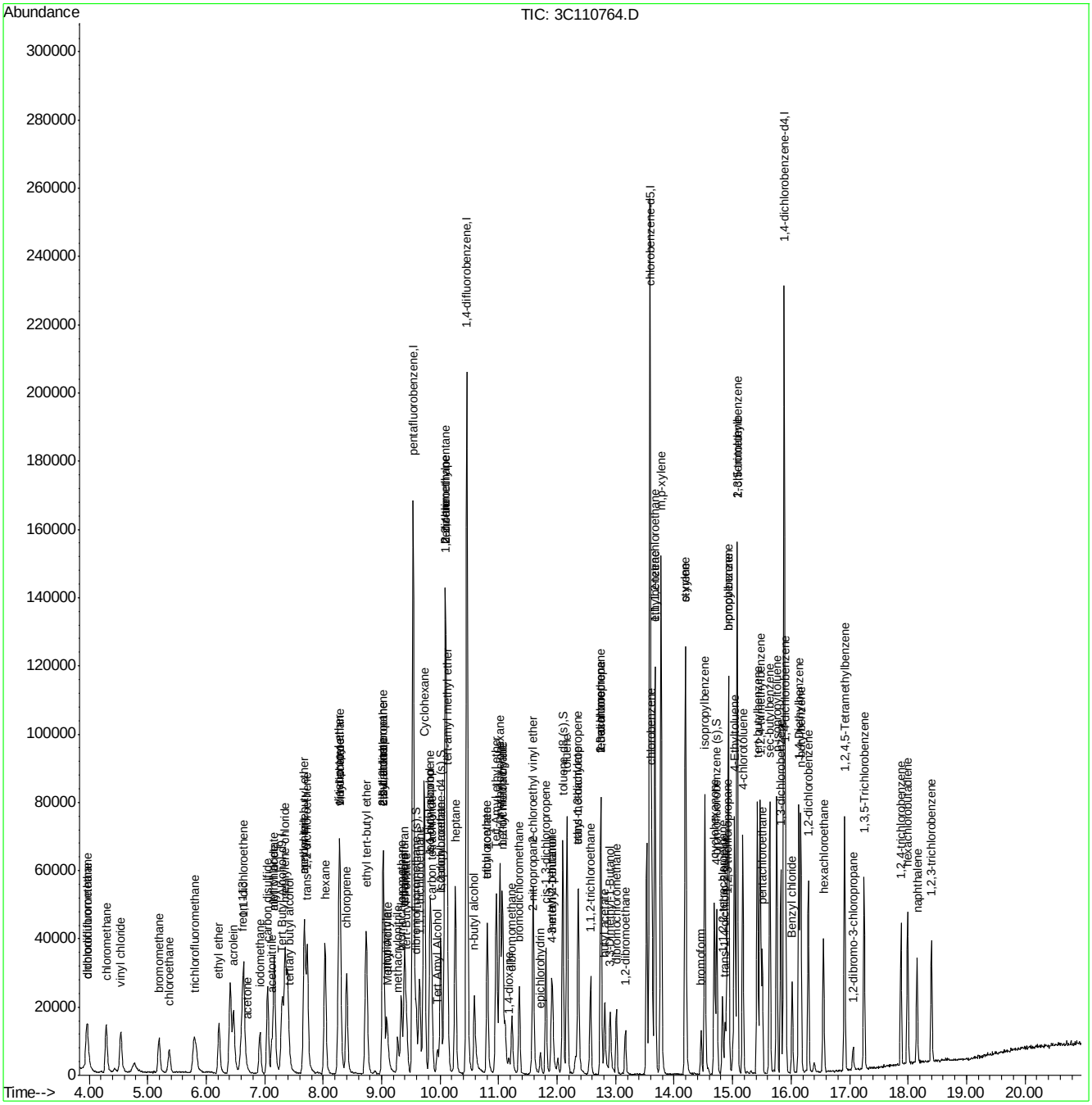
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	29121	7.51	ug/L	96
96) bromoform	14.46	173	5500	8.75	ug/L	92
98) isopropylbenzene	14.53	105	51859	7.92	ug/L	98
100) bromobenzene	14.92	156	11284	8.88	ug/L	97
101) cyclohexanone	14.69	55	21331	102.07	ug/L	97
102) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

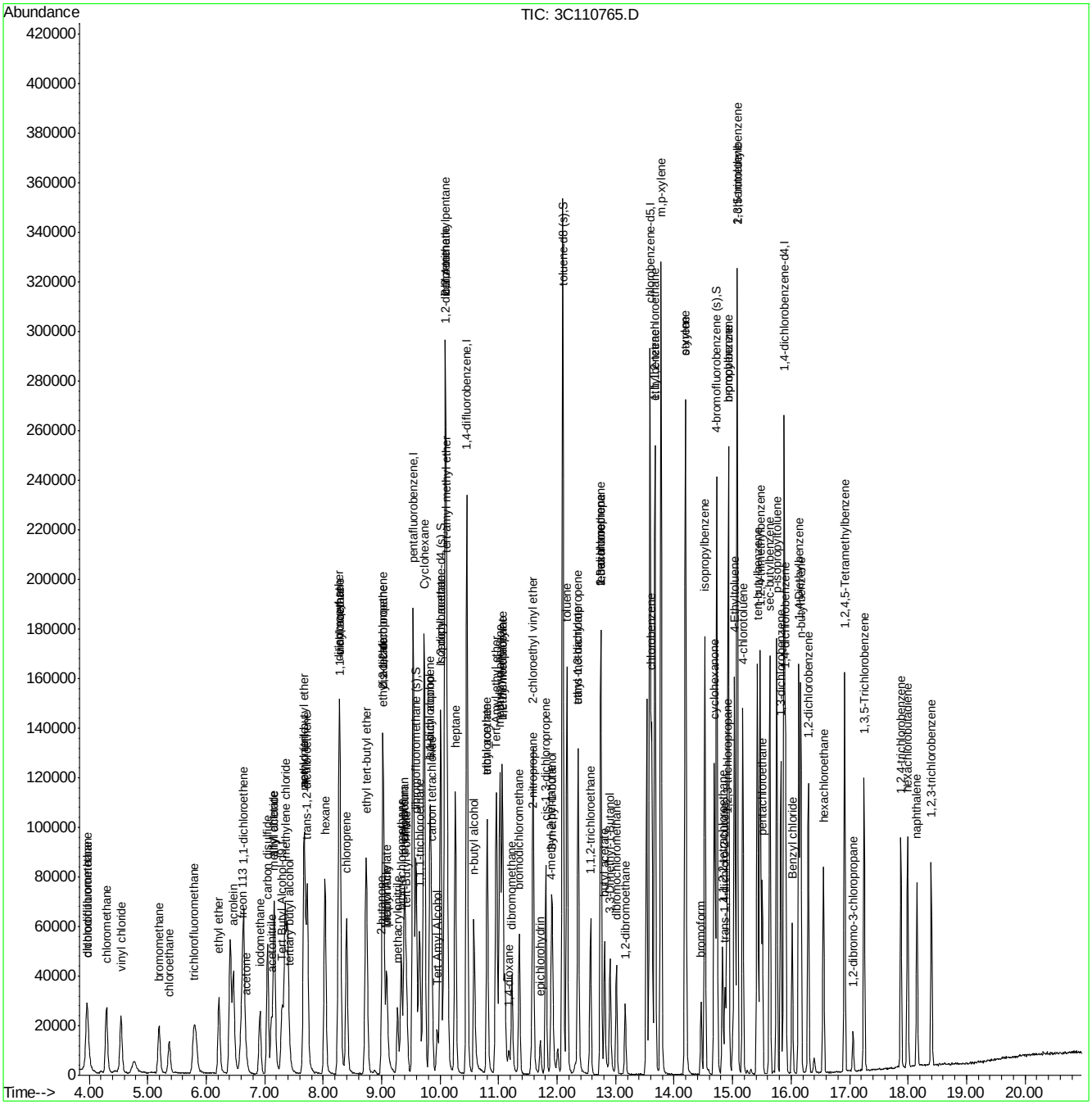
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	64235	14.67	ug/L	98
96) bromoform	14.46	173	12445	17.53	ug/L	99
98) isopropylbenzene	14.53	105	108650	14.74	ug/L	97
100) bromobenzene	14.92	156	23603	16.49	ug/L	95
101) cyclohexanone	14.69	55	52404	222.63	ug/L	95
102) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

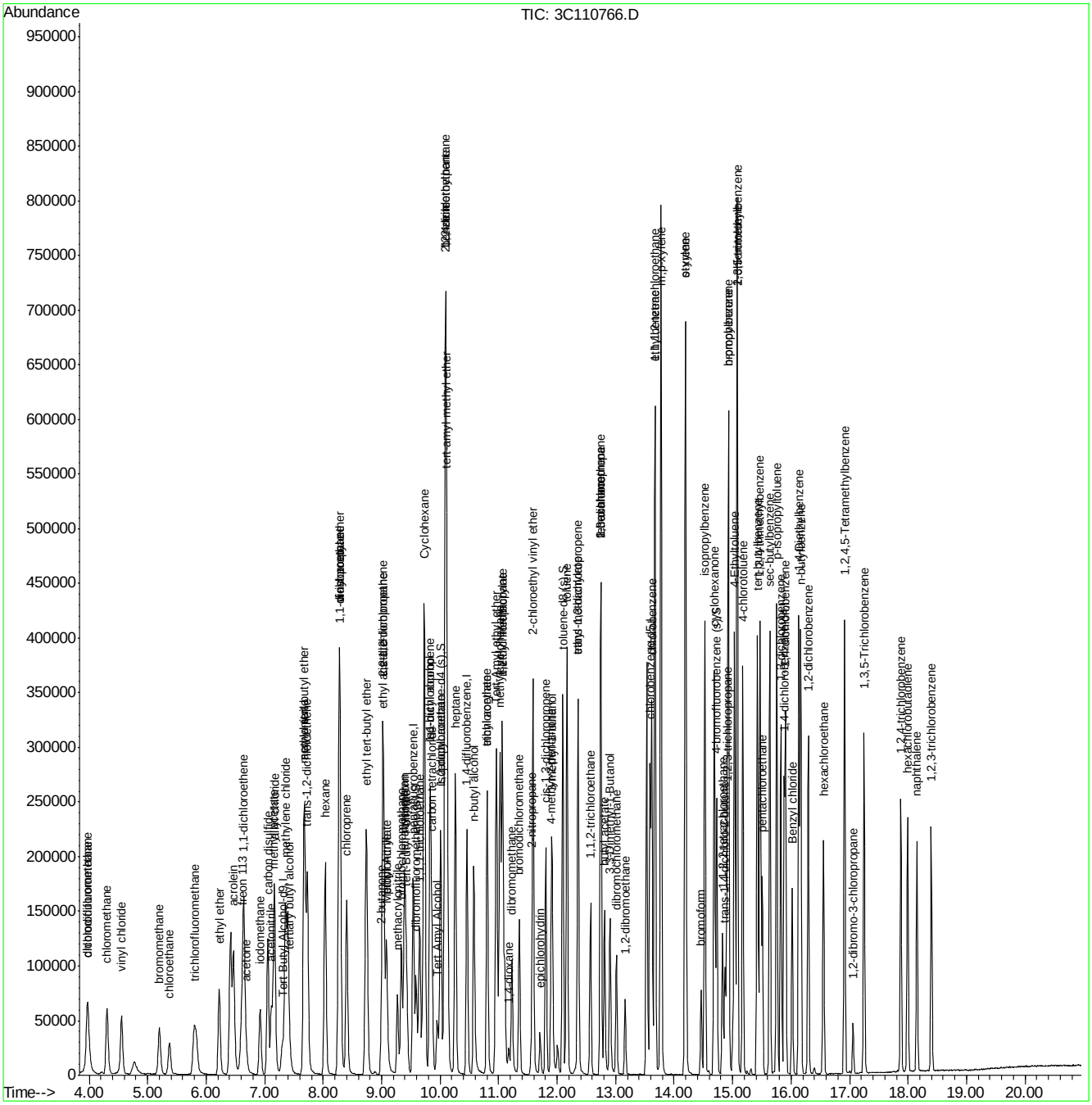
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	162718	39.08	ug/L	97
96) bromoform	14.46	173	32847	48.67	ug/L	98
98) isopropylbenzene	14.53	105	262766	36.56	ug/L	98
100) bromobenzene	14.92	156	58713	42.06	ug/L	97
101) cyclohexanone	14.69	55	151319	659.33	ug/L	95
102) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

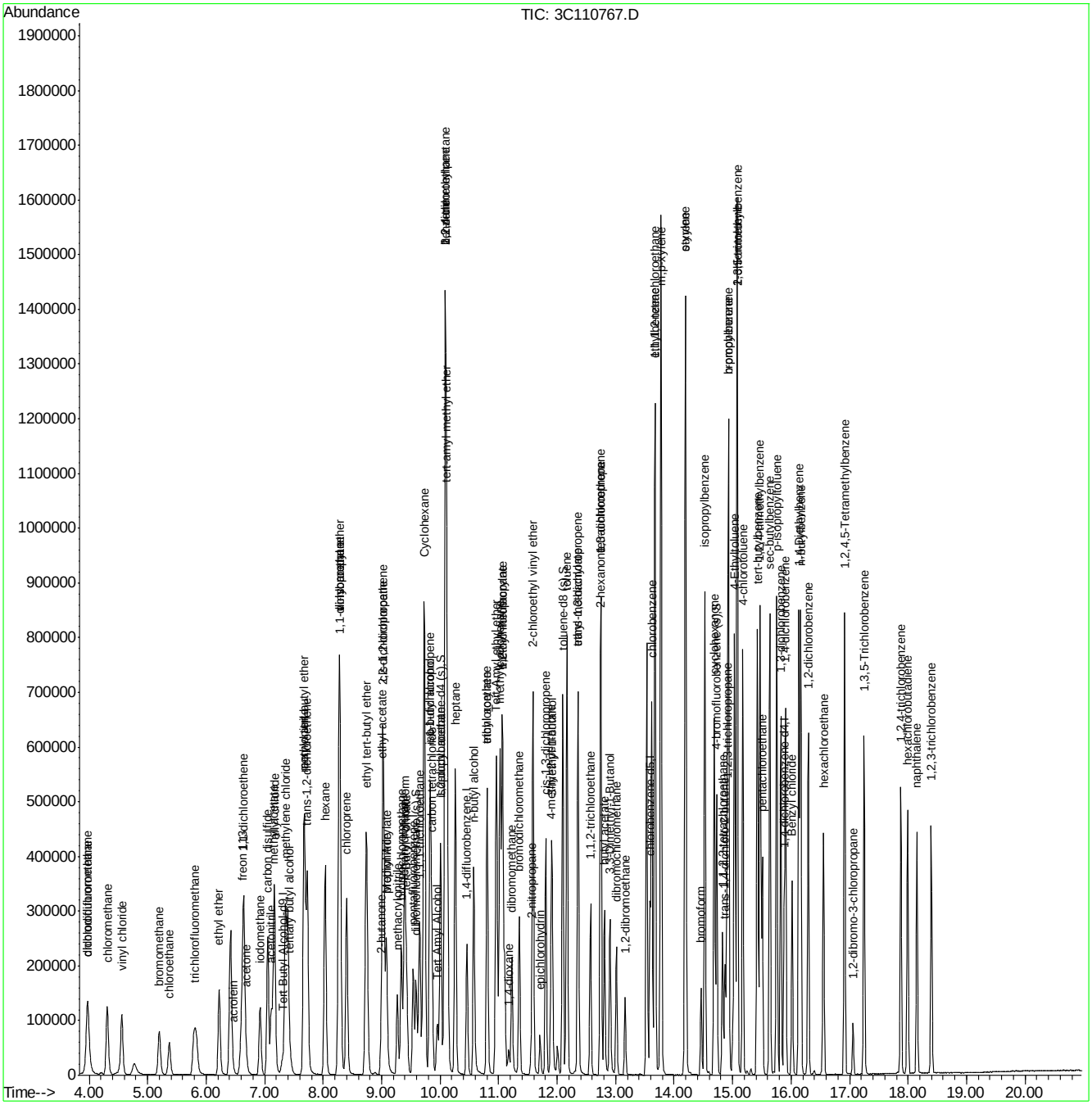
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	330819	74.66	ug/L	96
96) bromoform	14.46	173	67003	93.27	ug/L	100
98) isopropylbenzene	14.53	105	533604	67.68	ug/L	98
100) bromobenzene	14.92	156	117935	77.01	ug/L	96
101) cyclohexanone	14.69	55	262065	1040.92	ug/L	93
102)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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

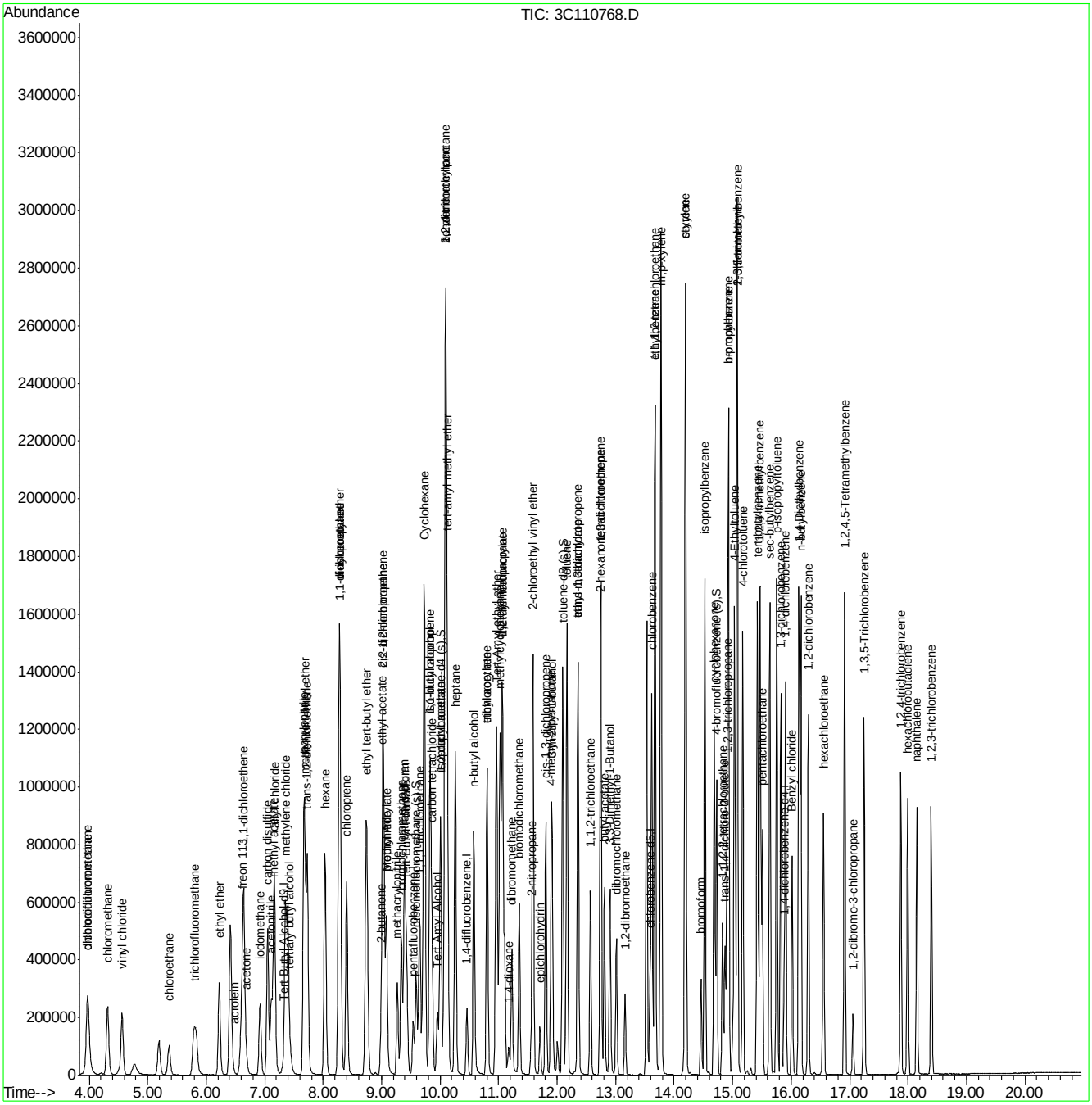
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromoform	14.46	173	140824	235.91	ug/L	99
98) isopropylbenzene	14.53	105	1044211	179.18	ug/L	98
100) bromobenzene	14.92	156	230187	188.67	ug/L	93
101) cyclohexanone	14.69	55	485014	2023.45	ug/L	96
102) 1,1,2,2-tetrachloroethane	14.83	83	258922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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

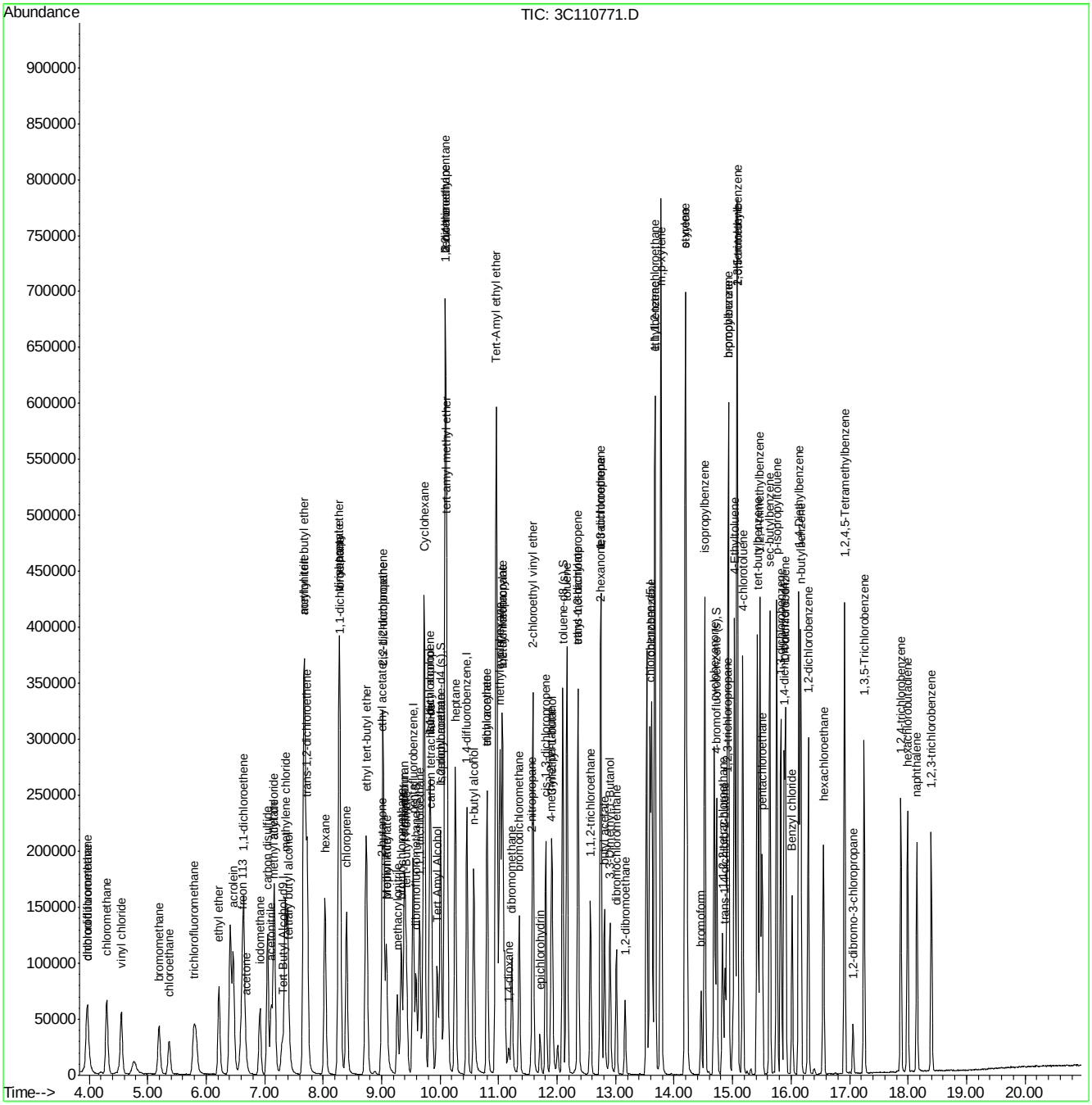
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) styrene	14.20	104	160030	51.79	ug/L	99
96) bromoform	14.46	173	31722	50.99	ug/L	99
98) isopropylbenzene	14.53	105	257232	44.72	ug/L	99
100) bromobenzene	14.92	156	56199	46.67	ug/L	93
101) cyclohexanone	14.69	55	116727	447.73	ug/L	98
102) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110939.D
Acq On : 22 Jun 2014 12:12 pm
Operator : prashans
Sample : CC4989-20
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 10:05:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.30	65	39810	500.00	ug/L	0.00
5) pentafluorobenzene	9.54	168	90739	50.00	ug/L	0.00
53) 1,4-difluorobenzene	10.45	114	123587	50.00	ug/L	0.00
82) chlorobenzene-d5	13.58	117	81062	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	15.88	152	32004	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	9.58	113	45568	55.13	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.26%			
45) 1,2-dichloroethane-d4 (s)	10.01	65	61399	50.52	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.04%			
74) toluene-d8 (s)	12.09	98	165846	51.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.60%			
99) 4-bromofluorobenzene (s)	14.73	95	56095	57.92	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.84%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.18	88	4063	485.65	ug/L #	97
3) tertiary butyl alcohol	7.43	59	13412	101.38	ug/L	84
6) chlorodifluoromethane	3.98	51	28267	24.81	ug/L	99
7) dichlorodifluoromethane	3.97	85	29637	23.47	ug/L	98
8) chloromethane	4.30	50	31789	20.32	ug/L	98
9) vinyl chloride	4.55	62	26775	20.77	ug/L	96
10) bromomethane	5.21	94	13411	20.15	ug/L	94
11) chloroethane	5.38	64	12238	20.81	ug/L	97
14) trichlorofluoromethane	5.80	101	30530	22.51	ug/L	99
15) ethyl ether	6.22	74	11476	21.68	ug/L	94
16) acrolein	6.47	56	35847	203.58	ug/L	99
17) 1,1-dichloroethene	6.64	61	37404	23.12	ug/L	99
18) acetone	6.68	58	2651	23.16	ug/L	99
19) allyl chloride	7.17	76	11586	22.05	ug/L	83
20) acetonitrile	7.11	40	18278	202.34	ug/L	96
21) iodomethane	6.92	142	28694	22.46	ug/L	100
22) iso-butyl alcohol	9.82	41	8189	217.46	ug/L	96
23) carbon disulfide	7.05	76	69935	21.20	ug/L	97
24) methylene chloride	7.35	84	20738	19.47	ug/L	98
25) methyl acetate	7.15	74	2648	20.61	ug/L	96
26) methyl tert butyl ether	7.68	73	58795	19.31	ug/L	100
27) trans-1,2-dichloroethene	7.73	61	37830	22.67	ug/L	96
28) di-isopropyl ether	8.27	45	88039	21.06	ug/L	94
29) ethyl tert-butyl ether	8.74	59	75663	20.39	ug/L	98
30) 2-butanone	9.00	72	2430	22.43	ug/L	93
31) 1,1-dichloroethane	8.29	63	44059	22.43	ug/L	98
32) chloroprene	8.40	53	39603	23.65	ug/L	97
33) acrylonitrile	7.67	53	32121	98.93	ug/L	99
34) vinyl acetate	8.28	86	2775	19.38	ug/L	95
35) ethyl acetate	9.01	45	2728	20.60	ug/L	81
36) 2,2-dichloropropane	9.03	77	39587	24.07	ug/L	98
37) cis-1,2-dichloroethene	9.02	61	44187	22.76	ug/L	100
38) propionitrile	9.08	54	25030	200.18	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110939.D
Acq On : 22 Jun 2014 12:12 pm
Operator : prashans
Sample : CC4989-20
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 10:05:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Methyl Acrylate	9.08	85	2100	20.61 ug/L		93
40) bromochloromethane	9.33	128	8553	21.78 ug/L		94
41) tetrahydrofuran	9.38	72	2228	20.00 ug/L		95
42) chloroform	9.39	83	38068	20.51 ug/L		99
43) tert-Butyl Formate	9.42	59	18148	21.44 ug/L	#	88
46) freon 113	6.61	151	14199	22.40 ug/L		92
47) methacrylonitrile	9.27	41	11817	19.69 ug/L		99
48) 1,1,1-trichloroethane	9.65	97	34978	22.98 ug/L		95
49) Cyclohexane	9.72	84	33506	22.50 ug/L		97
51) 2,2,4-trimethylpentane	10.08	57	103072	22.01 ug/L		99
52) tert-amyl methyl ether	10.12	73	63017	19.21 ug/L		99
54) epichlorohydrin	11.71	57	8687	100.34 ug/L		99
55) n-butyl alcohol	10.57	56	27423	1020.44 ug/L		99
56) carbon tetrachloride	9.85	117	29306	22.91 ug/L		95
57) 1,1-dichloropropene	9.82	75	31457	22.43 ug/L		97
58) hexane	8.03	57	35798	22.62 ug/L		99
59) benzene	10.09	78	86580	21.01 ug/L		98
60) heptane	10.26	57	21272	21.92 ug/L		98
61) isopropyl acetate	10.00	87	3650	21.02 ug/L	#	74
62) 1,2-dichloroethane	10.10	62	30466	22.23 ug/L		97
63) trichloroethene	10.80	95	21097	22.28 ug/L		96
66) 2-nitropropane	11.56	41	7257	19.97 ug/L		95
67) 2-chloroethyl vinyl ether	11.58	63	35156	95.26 ug/L		98
68) methyl methacrylate	11.06	100	3461	19.24 ug/L	#	76
69) 1,2-dichloropropane	11.06	63	22490	20.52 ug/L		95
70) methylcyclohexane	11.02	83	38767	22.43 ug/L		100
71) dibromomethane	11.23	93	10256	21.27 ug/L		91
72) bromodichloromethane	11.35	83	26905	21.89 ug/L		97
73) cis-1,3-dichloropropene	11.80	75	31735	21.25 ug/L		94
75) 4-methyl-2-pentanone	11.89	58	6444	19.26 ug/L		98
76) toluene	12.17	91	76978	19.64 ug/L		100
77) 3-methyl-1-butanol	11.91	70	8824	403.28 ug/L		95
78) trans-1,3-dichloropropene	12.36	75	27469	20.46 ug/L		98
79) ethyl methacrylate	12.35	69	19844	19.33 ug/L		99
80) 1,1,2-trichloroethane	12.57	97	11909	19.05 ug/L		97
81) 2-hexanone	12.74	58	5899	19.87 ug/L		97
83) tetrachloroethene	12.75	166	15944	21.40 ug/L		98
84) 1,3-dichloropropane	12.75	76	24276	22.52 ug/L		100
85) butyl acetate	12.81	56	10314	21.97 ug/L		96
86) dibromochloromethane	13.01	129	13809	22.23 ug/L		94
87) 1,2-dibromoethane	13.16	107	11618	22.24 ug/L		95
88) 3,3-Dimethyl-1-Butanol	12.90	57	16002	209.54 ug/L		98
89) chlorobenzene	13.62	112	39757	20.57 ug/L		99
90) 1,1,1,2-tetrachloroethane	13.68	131	14949	22.23 ug/L		96
91) ethylbenzene	13.67	91	77899	21.12 ug/L		99
92) m,p-xylene	13.78	106	55229	43.07 ug/L		98
93) o-xylene	14.19	91	62123	21.30 ug/L		99
94) styrene	14.20	104	39731	21.69 ug/L		100
96) bromoform	14.46	173	7760	21.05 ug/L		93
98) isopropylbenzene	14.53	105	69895	22.05 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110939.D
Acq On : 22 Jun 2014 12:12 pm
Operator : prashans
Sample : CC4989-20
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 10:05:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration

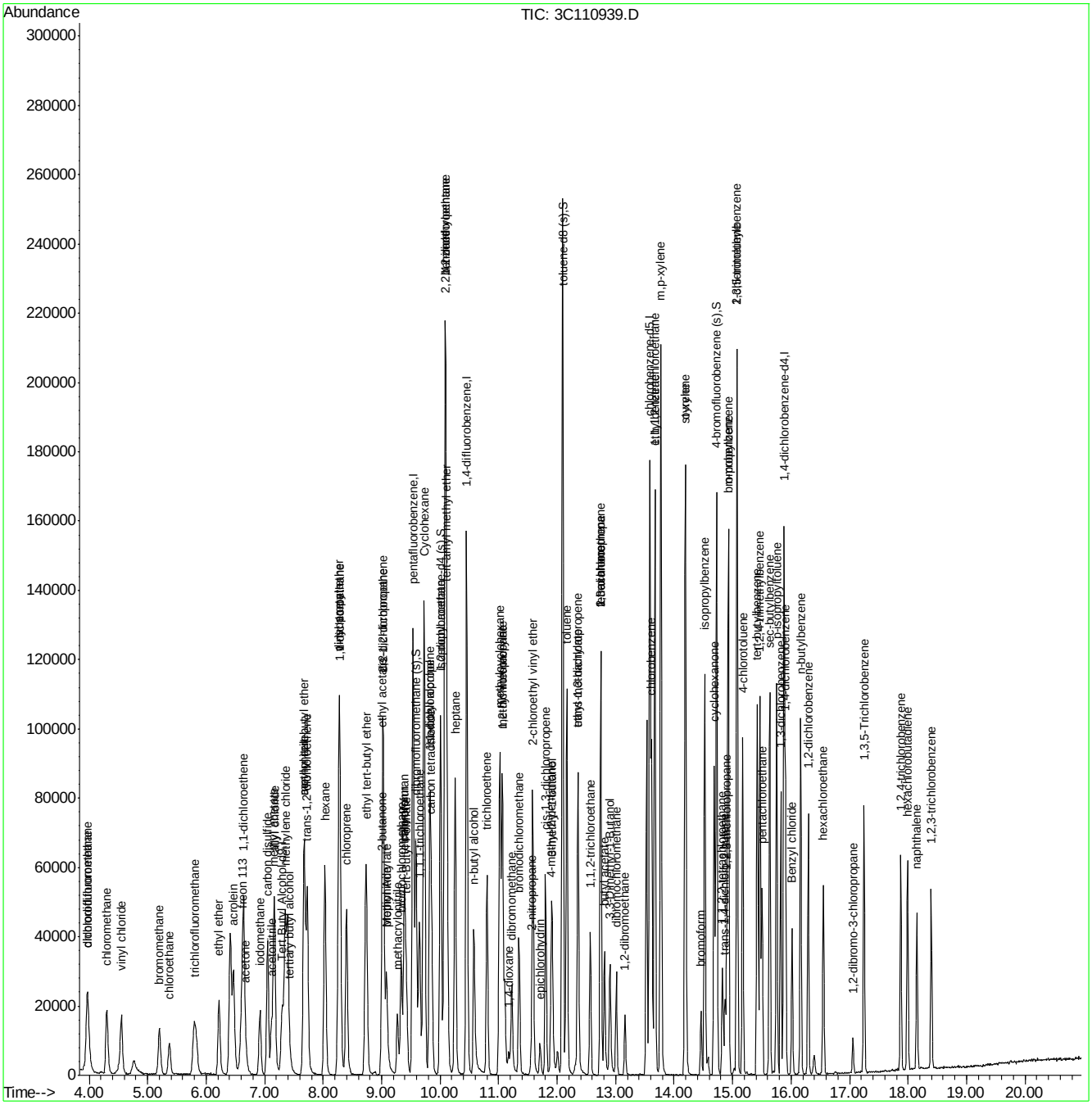
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) bromobenzene	14.92	156	14679	22.12	ug/L	89
101) cyclohexanone	14.69	55	36946	257.16	ug/L	96
102) 1,1,2,2-tetrachloroethane	14.82	83	15117	21.82	ug/L	97
103) trans-1,4-dichloro-2-buten	14.87	53	5005	23.14	ug/L	87
104) 1,2,3-trichloropropane	14.90	110	3878	22.78	ug/L	86
105) n-propylbenzene	14.93	91	79803	22.62	ug/L	98
107) 2-chlorotoluene	15.07	126	15216	22.20	ug/L	93
108) 4-chlorotoluene	15.17	126	15211	21.87	ug/L	99
109) 1,3,5-trimethylbenzene	15.08	105	58601	22.33	ug/L	99
110) tert-butylbenzene	15.43	119	46560	21.75	ug/L	98
111) pentachloroethane	15.50	167	9135	23.04	ug/L	94
112) 1,2,4-trimethylbenzene	15.47	105	55255	21.55	ug/L	97
113) sec-butylbenzene	15.63	105	70888	22.03	ug/L	100
114) 1,3-dichlorobenzene	15.82	146	26868	20.54	ug/L	99
115) p-isopropyltoluene	15.75	119	55990	21.87	ug/L	96
116) 1,4-dichlorobenzene	15.91	146	25754	19.60	ug/L	99
117) 1,2-dichlorobenzene	16.29	146	24407	20.05	ug/L	97
119) n-butylbenzene	16.16	92	28902	21.40	ug/L	98
121) 1,2-dibromo-3-chloropropan	17.06	157	2103	19.80	ug/L	93
122) 1,3,5-Trichlorobenzene	17.25	180	20859	22.01	ug/L	100
123) 1,2,4-trichlorobenzene	17.87	180	16102	22.60	ug/L	99
124) hexachlorobutadiene	17.99	225	12340	21.65	ug/L	93
125) naphthalene	18.15	128	29595	19.72	ug/L	97
126) 1,2,3-trichlorobenzene	18.40	180	14241	21.38	ug/L	98
127) hexachloroethane	16.55	119	10247	21.93	ug/L	99
128) Benzyl chloride	16.02	91	26817	22.60	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 3C110939.D
Acq On : 22 Jun 2014 12:12 pm
Operator : prashans
Sample : CC4989-20
Misc : MS69087,V3C4996,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 10:05:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3C4989.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 18 08:58:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

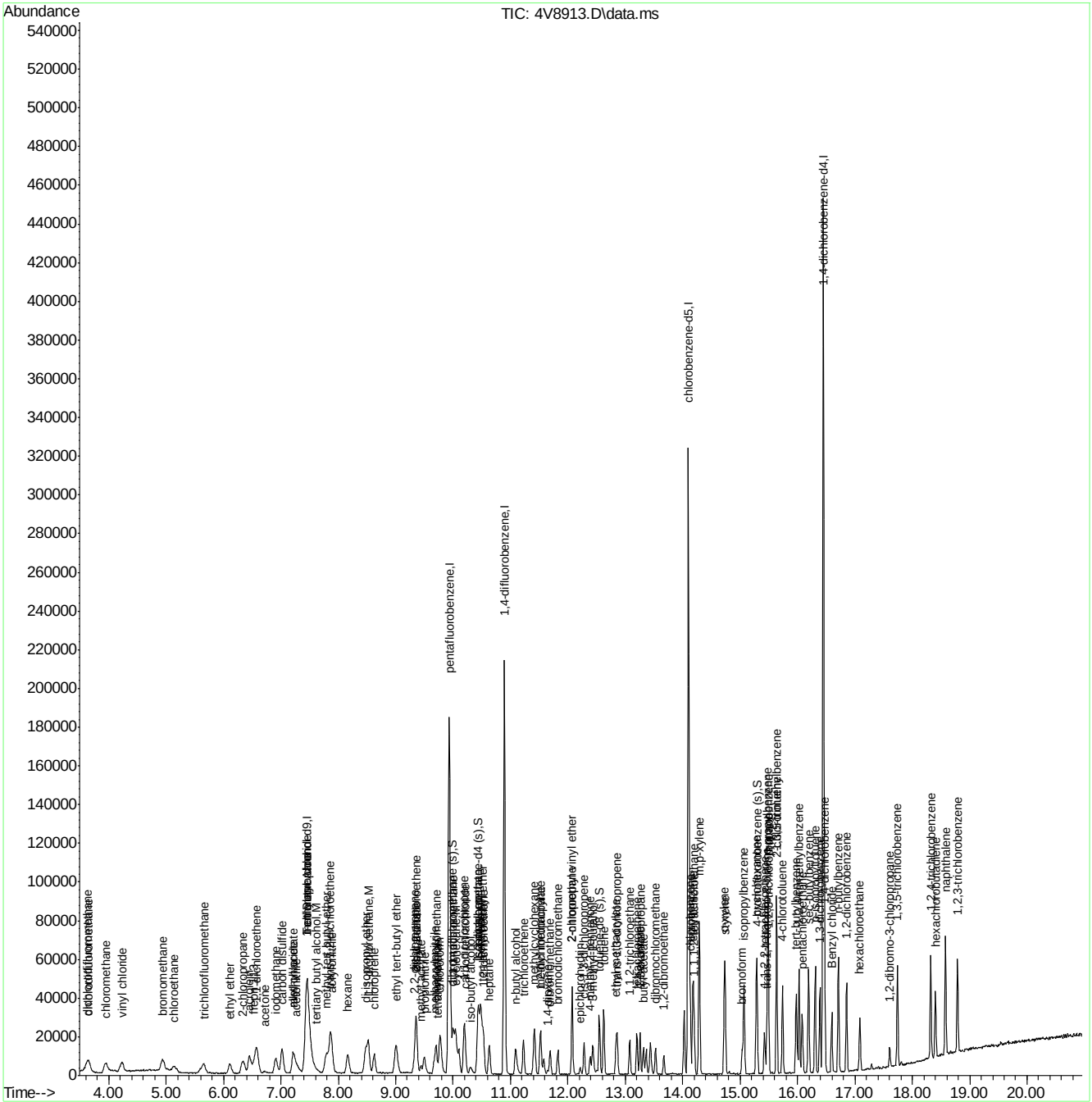
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	8881	5.42	ug/L	98
98)	cyclohexanone	15.284	55	18329	88.31	ug/L	97
99)	1,1,2,2-tetrachloroethane	15.425	83	12230	5.26	ug/L	98
100)	trans-1,4-dichloro-2-b...	15.462	53	2839	5.20	ug/L	95
101)	1,2,3-trichloropropane	15.499	110	2541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

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

Quantitation Report (QT Reviewed)

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

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

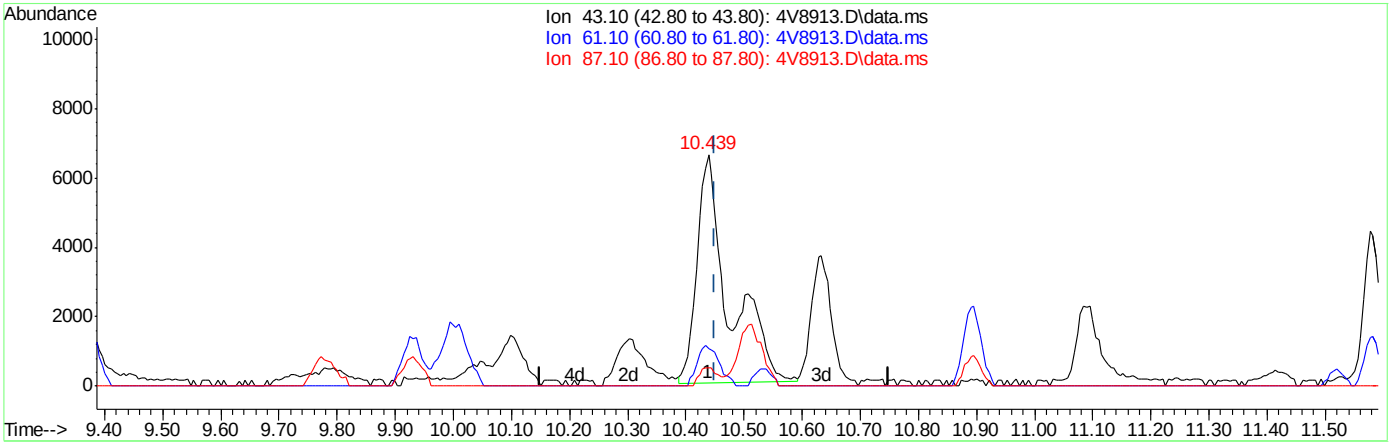


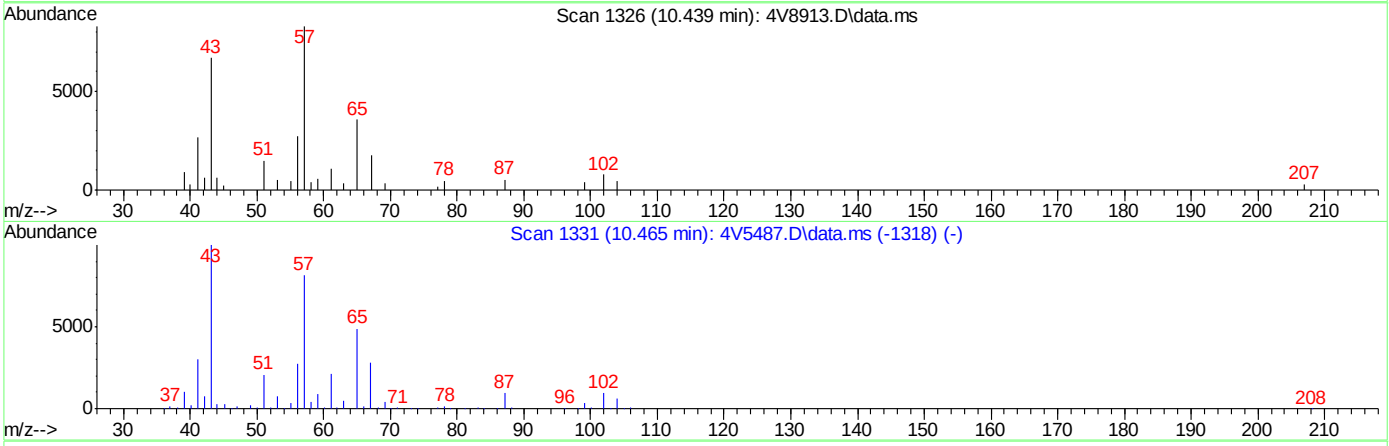
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

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

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





TIC: 4V8913.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 4.91ug/L

response 25309

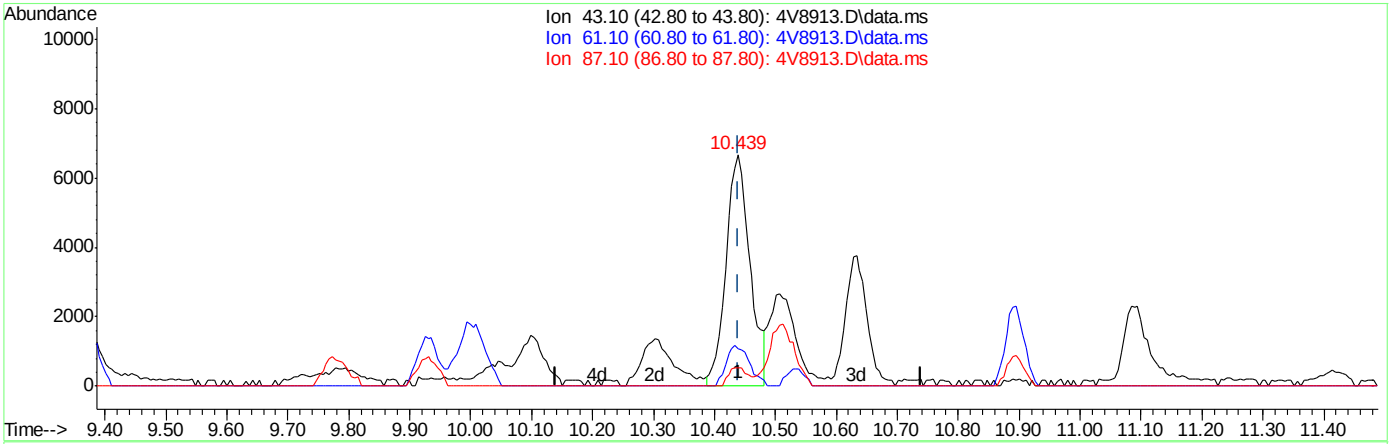
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	12.22
87.10	8.10	5.69
0.00	0.00	0.00

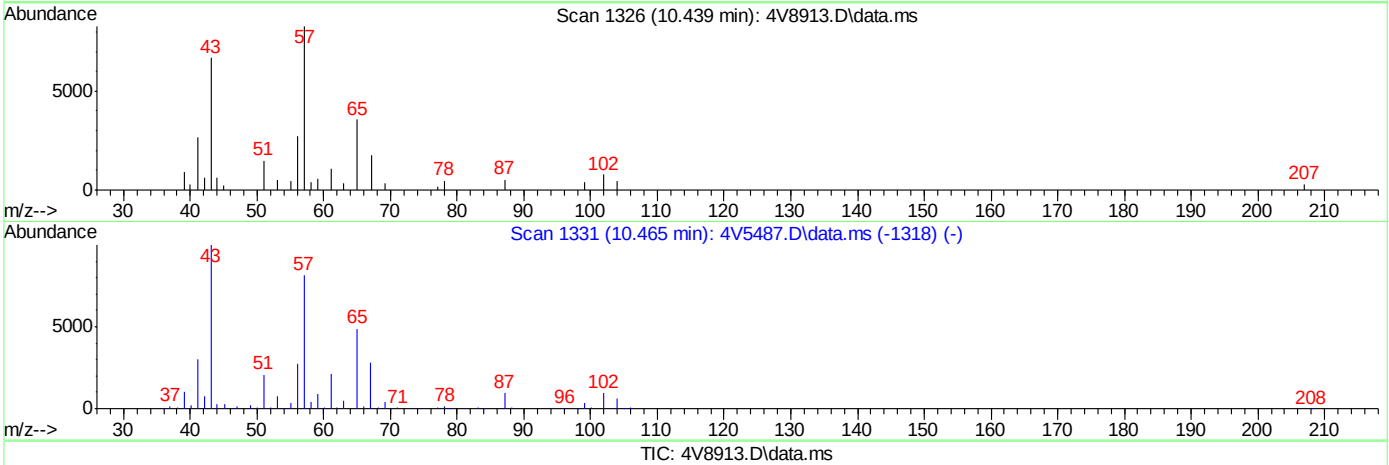
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

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

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





TIC: 4V8913.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 3.54ug/L m

response 18223

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

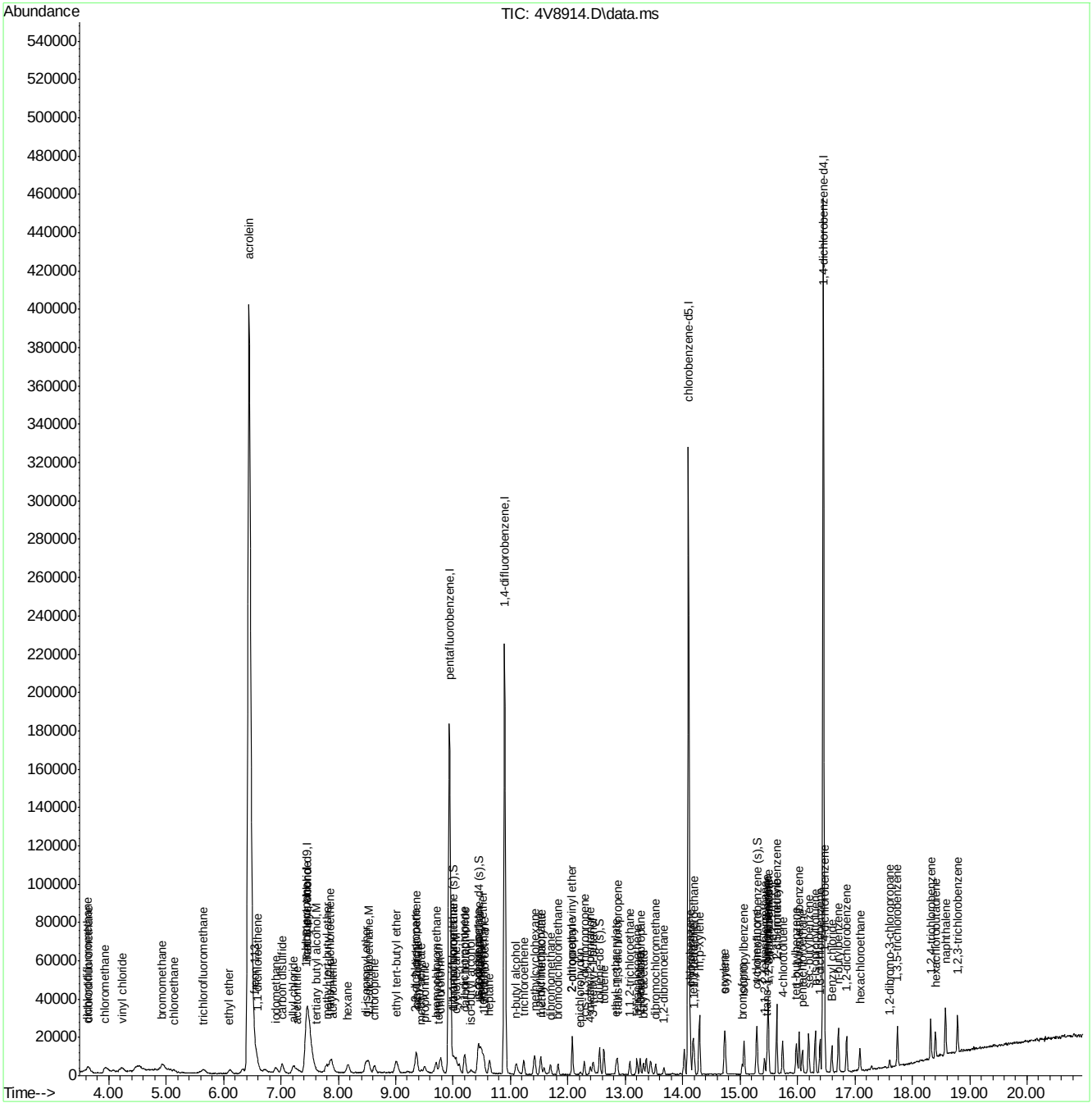
7.6.14

7

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

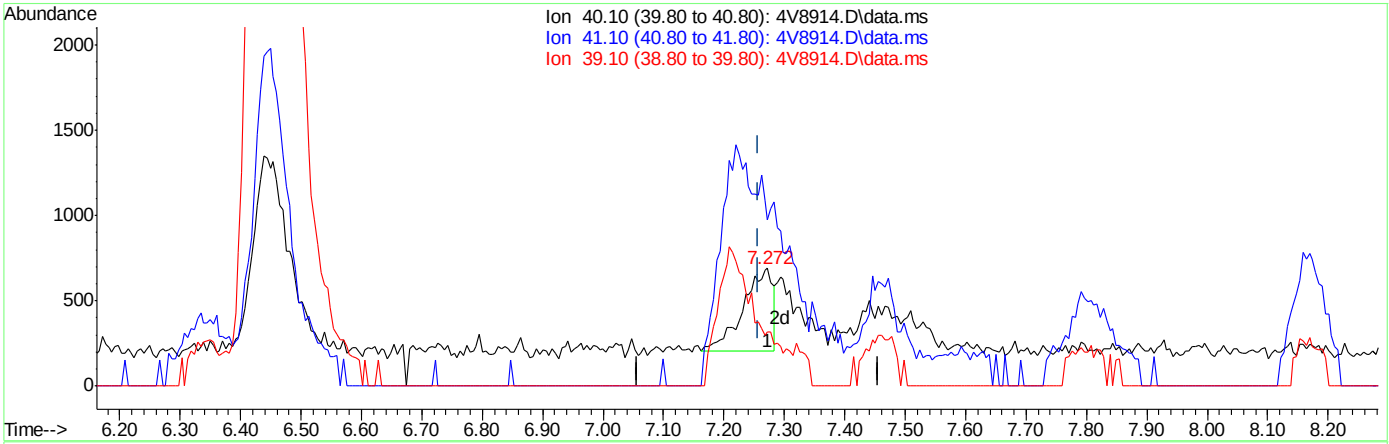
Sample Number:	V4V368-IC368	**Method:**	SW846 8260B
Lab FileID:	4V8914.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 11:53	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

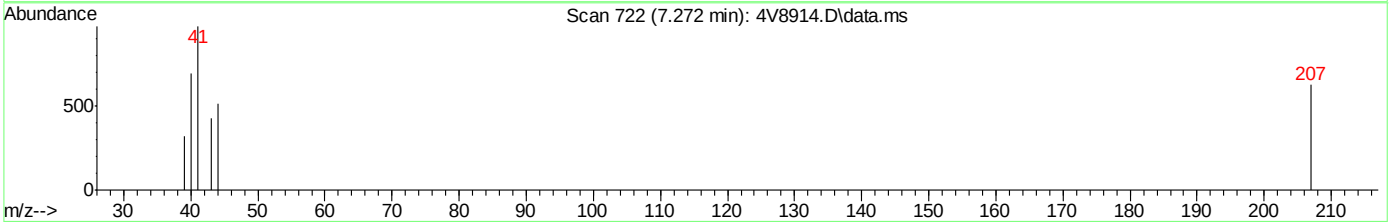
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		7.27	Poorly defined baseline
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

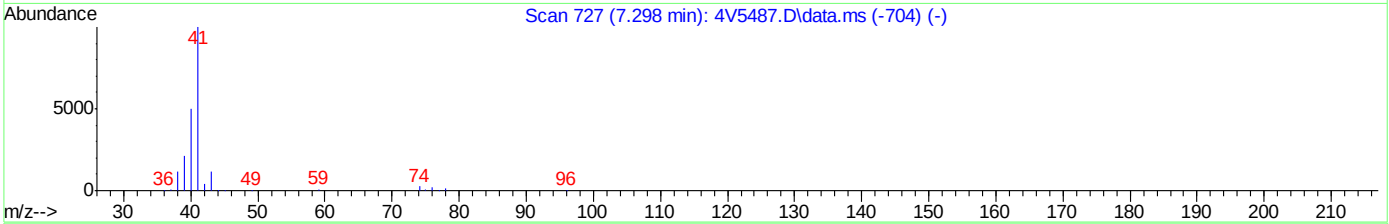
Quantitation Report (Qedit)

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

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







TIC: 4V8914.D\data.ms

(21) acetonitrile

7.272min (+0.015) 12.39ug/L

response 1681

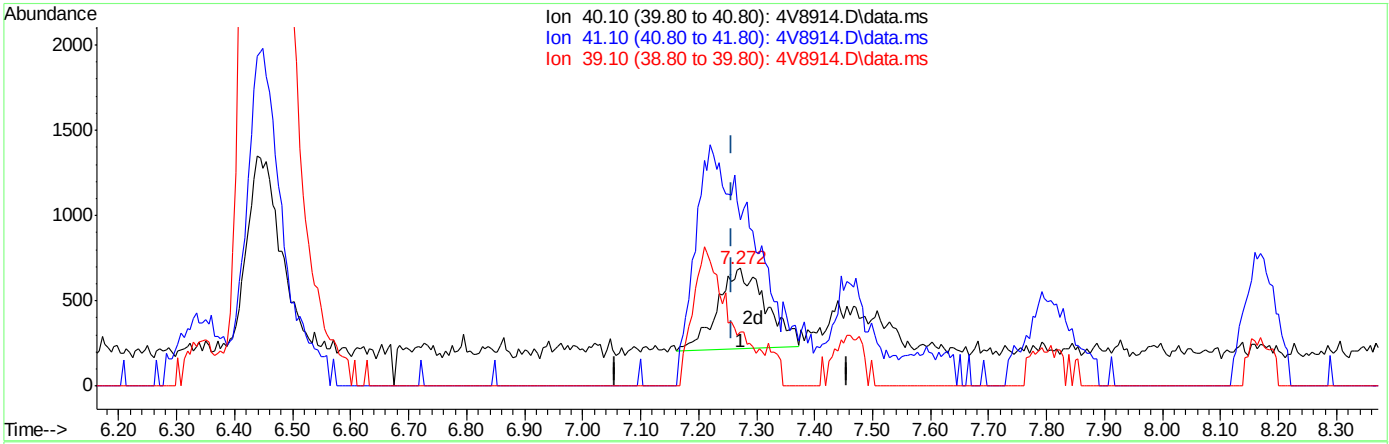
Ion	Exp%	Act%
40.10	100	100
41.10	224.60	200.00
39.10	66.10	65.50
0.00	0.00	0.00

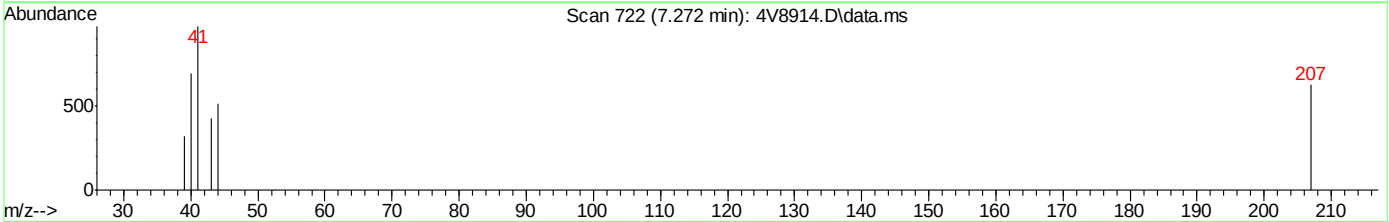
ACCUTEST LABORATORIES JB69123

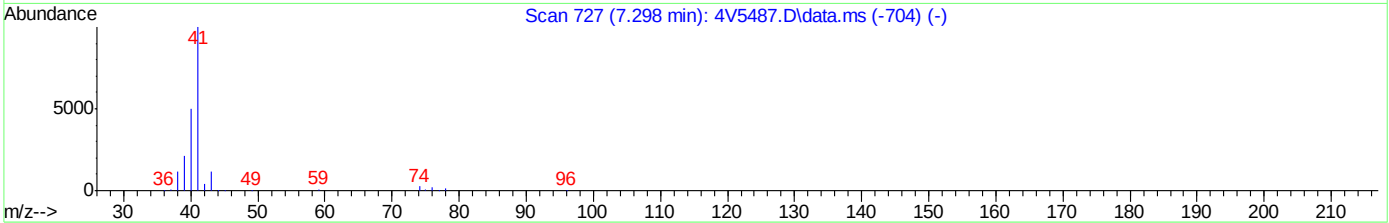
Quantitation Report (Qedit)

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

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







TIC: 4V8914.D\data.ms

(21) acetonitrile

7.272min (+0.016) 17.48ug/L m

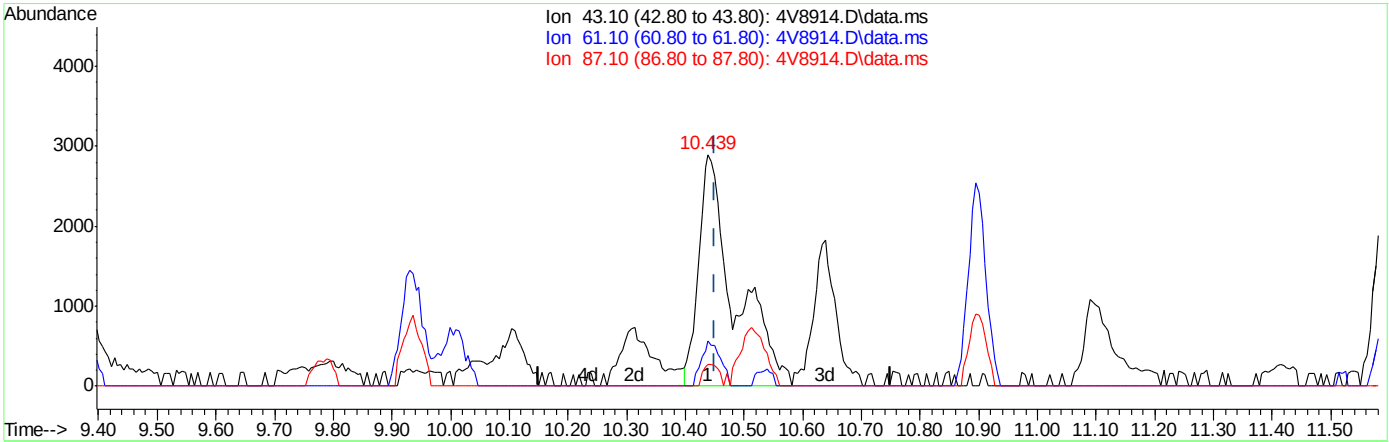
response 2747

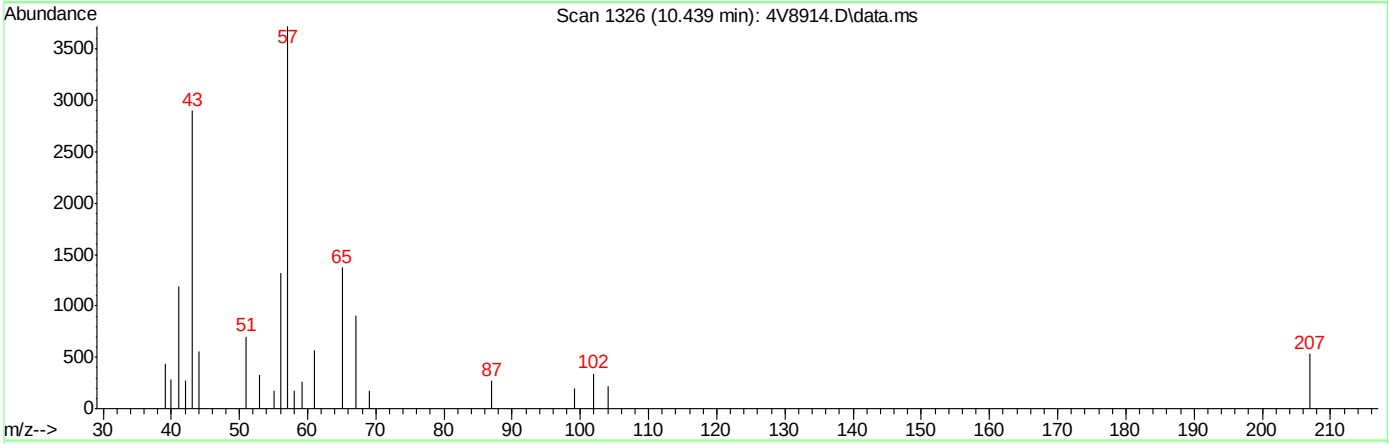
Ion	Exp%	Act%
40.10	100	100
41.10	226.50	140.96#
39.10	61.30	46.16
0.00	0.00	0.00

Quantitation Report (Qedit)

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

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





TIC: 4V8914.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 2.21ug/L

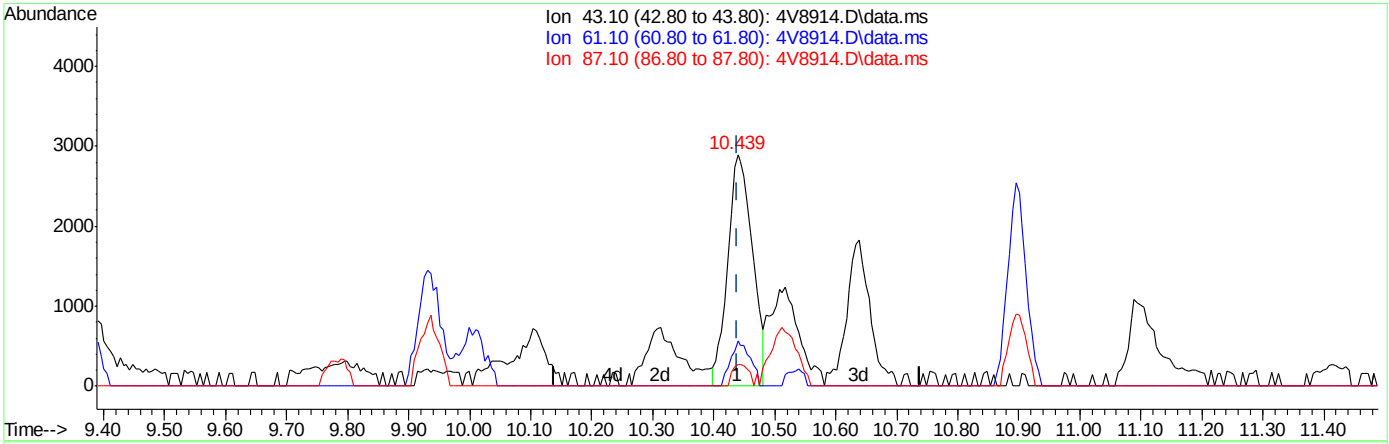
response 12278

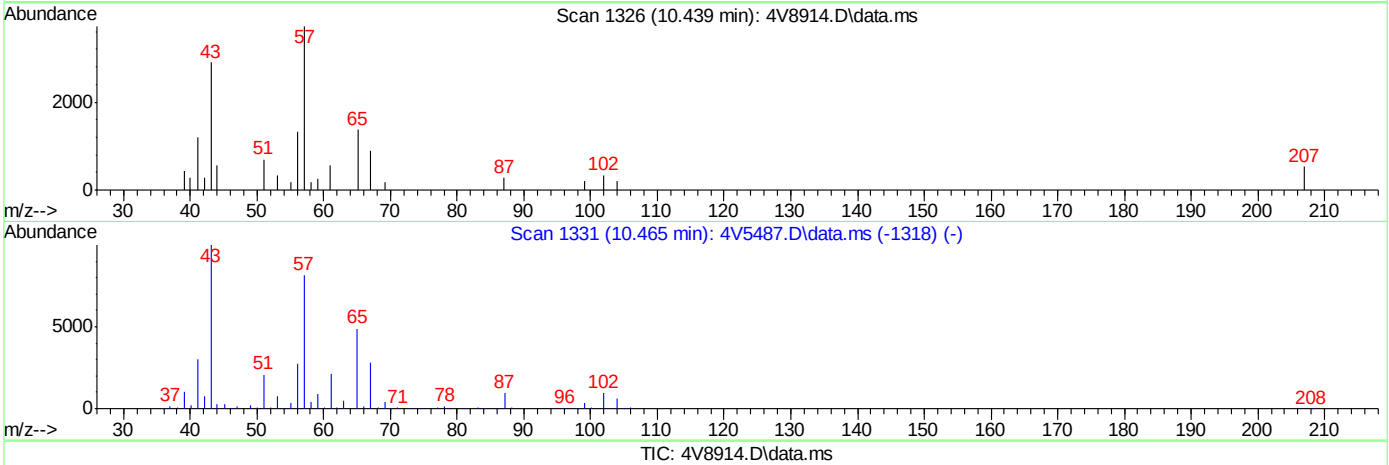
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	10.25
87.10	8.10	4.14
0.00	0.00	0.00

Quantitation Report (Qedit)

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

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





TIC: 4V8914.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 1.48ug/L m

response 8182

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

ACCUTEST LABORATORIES JB69123

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,4-dichlorobenzene	16.474	146	3979	1.02	ug/L	89
114) 1,2-dichlorobenzene	16.862	146	4071	1.04	ug/L	92
115) n-butylbenzene	16.715	92	3897	1.00	ug/L	96
117) 1,3,5-trichlorobenzene	17.743	180	3558	1.10	ug/L	98
118) 1,2,4-trichlorobenzene	18.325	180	3618	1.17	ug/L	92
119) hexachlorobutadiene	18.403	225	1468	1.02	ug/L	98
120) naphthalene	18.576	128	9396	1.08	ug/L	98
121) 1,2,3-trichlorobenzene	18.791	180	3155	1.09	ug/L	96
122) hexachloroethane	17.082	119	1436	0.99	ug/L	86
123) Benzyl chloride	16.600	91	4915	1.02	ug/L	97

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

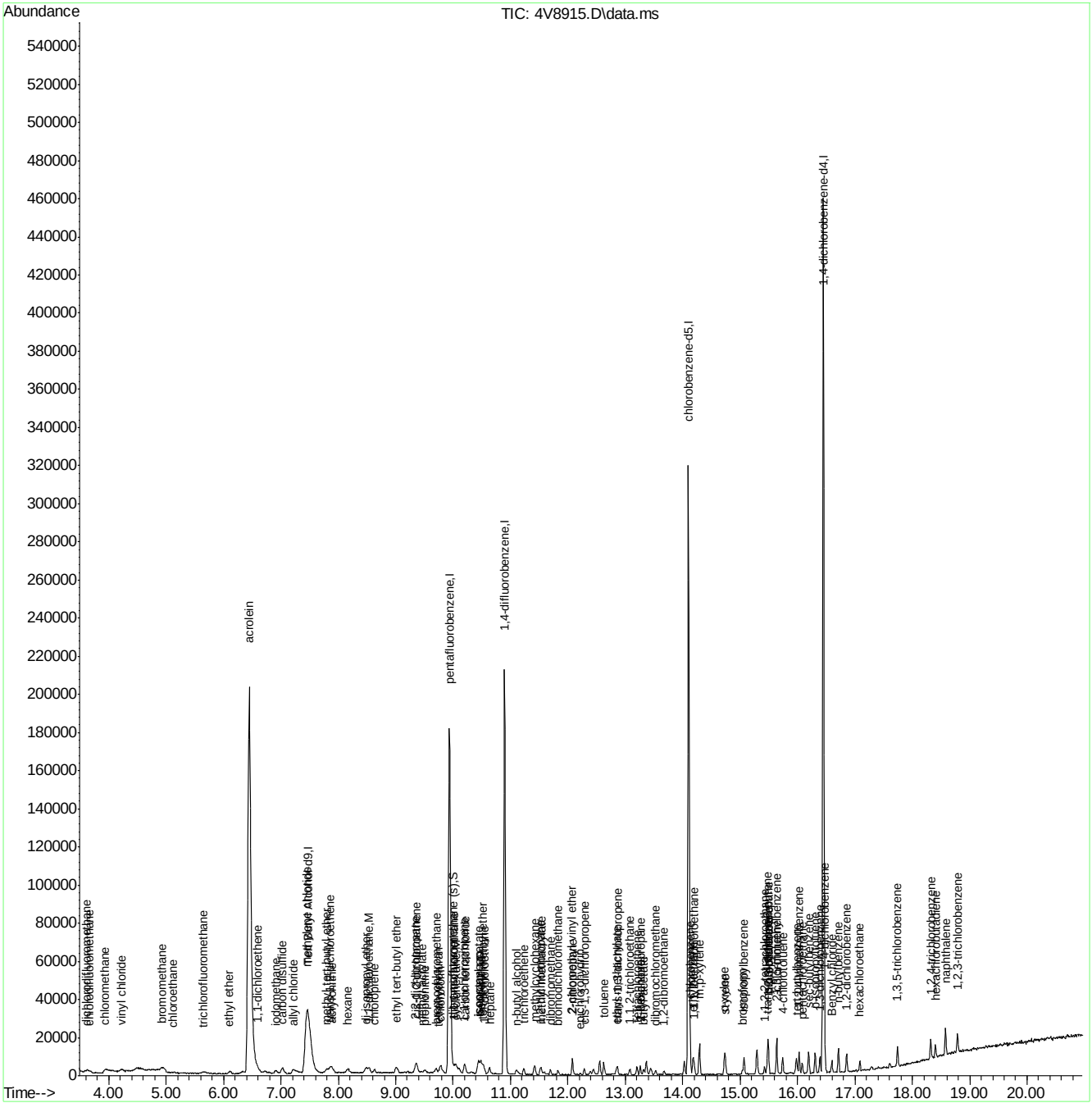
7.6.15

7

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

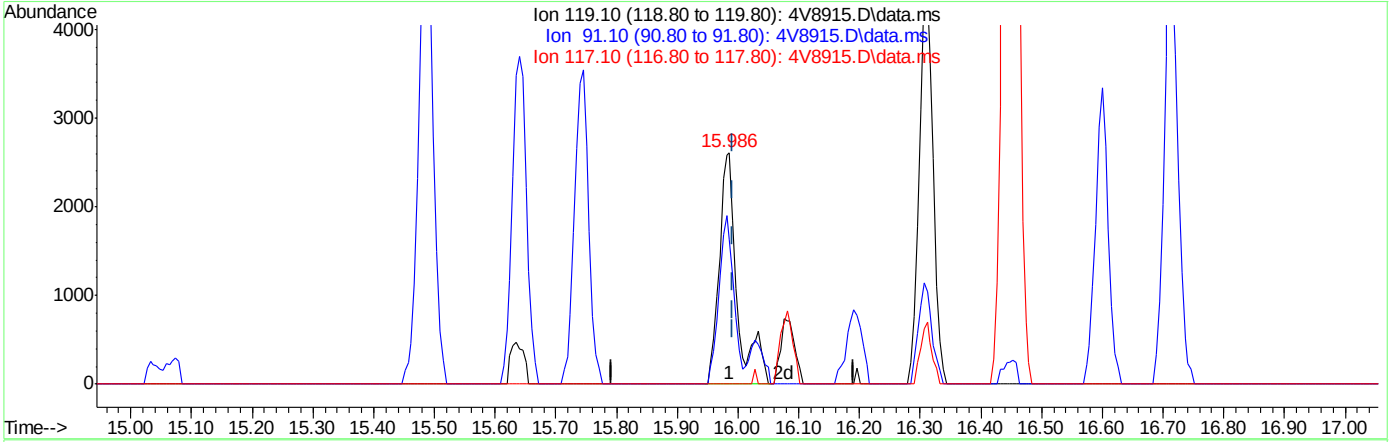
Sample Number: V4V368-IC368
Lab FileID: 4V8915.D
Injection Time: 06/17/14 12:19
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

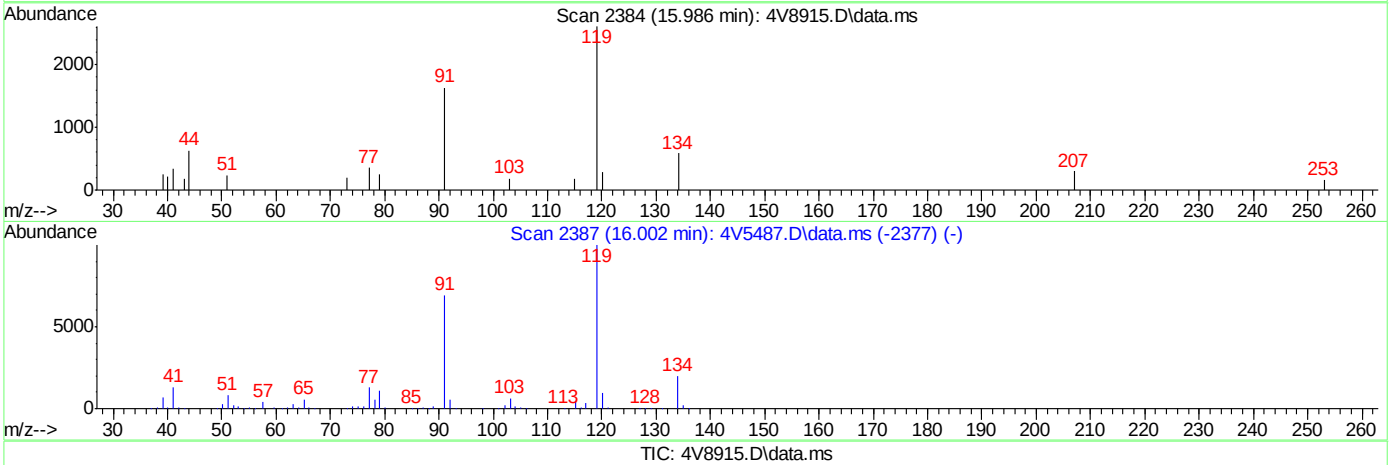
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.45	Poorly defined baseline
tert-Butylbenzene	98-06-6		15.99	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 12:42:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(106) tert-butylbenzene

15.986min (-0.006) 1.08ug/L

response 5368

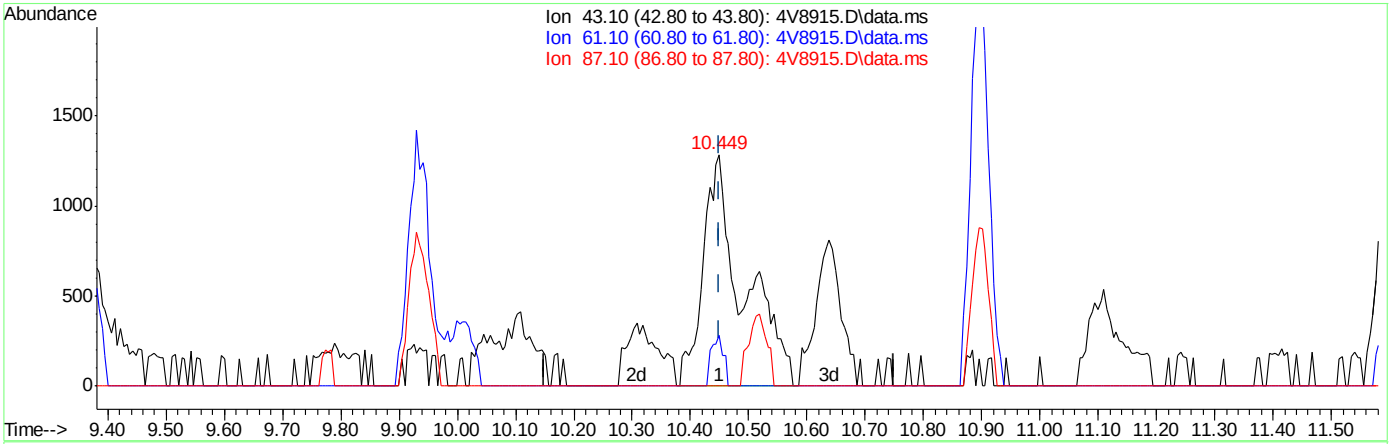
Ion	Exp%	Act%
119.10	100	100
91.10	69.80	62.45
117.10	3.40	0.00
0.00	0.00	0.00

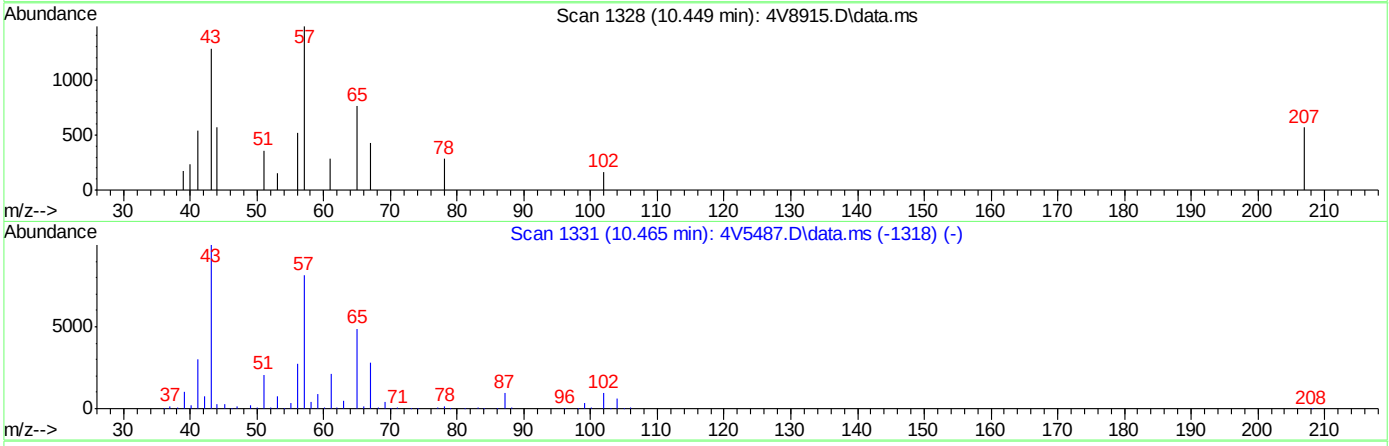
4V8915.D edits: tert-butylbenzene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368InitialRaw\
Data File : 4V8915.D
Acq On : 17 Jun 2014 12:19 pm
Operator : BenM
Sample : ic368-1
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 12:42:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(61) isopropyl acetate

10.449min (-0.001) 1.17ug/L

response 6131

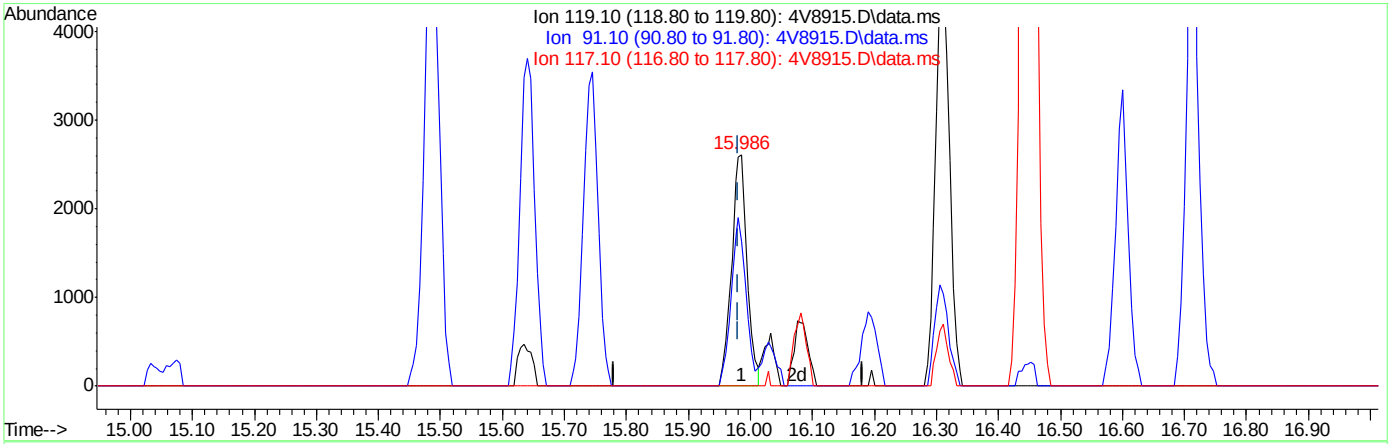
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	6.59
87.10	8.10	0.00
0.00	0.00	0.00

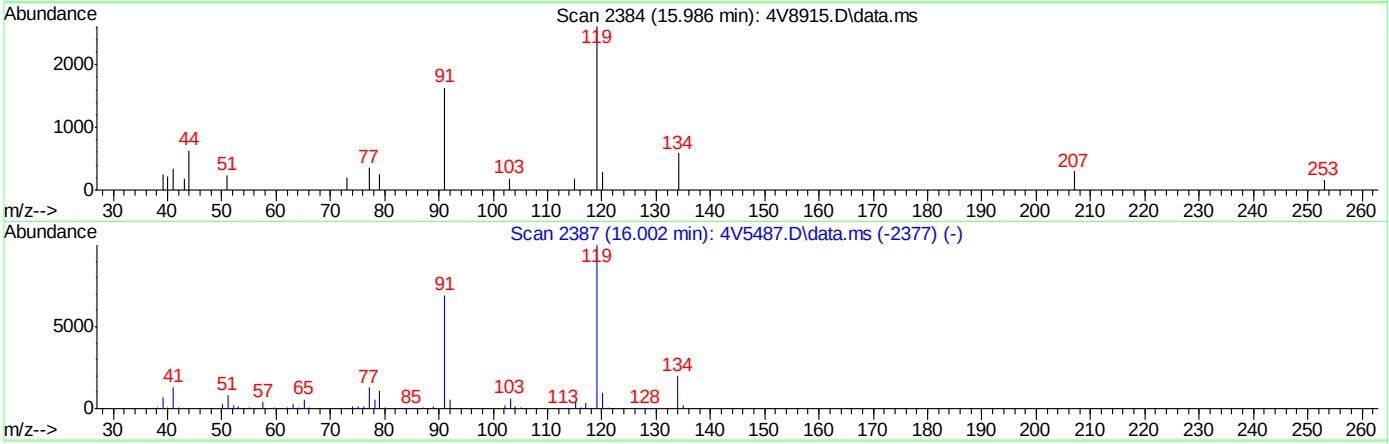
4V8915.D edits: isopropyl acetate

Quantitation Report (Qedit)

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

Quant Time: Jun 18 14:43:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(106) tert-butylbenzene

15.986min (+0.005) 0.92ug/L m

response 4618

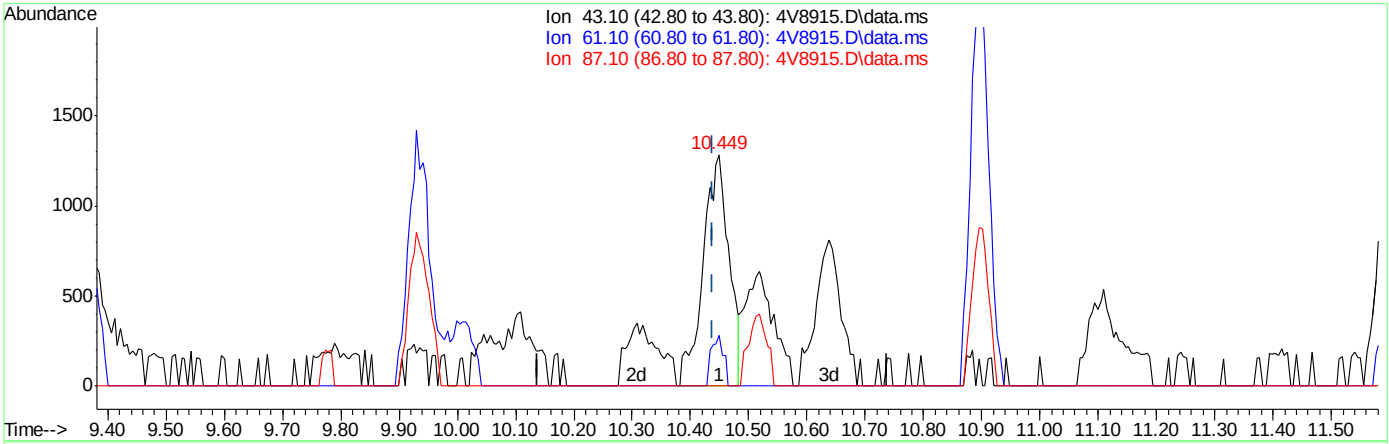
Ion	Exp%	Act%
119.10	100	100
91.10	68.20	62.45
117.10	3.40	0.00
0.00	0.00	0.00

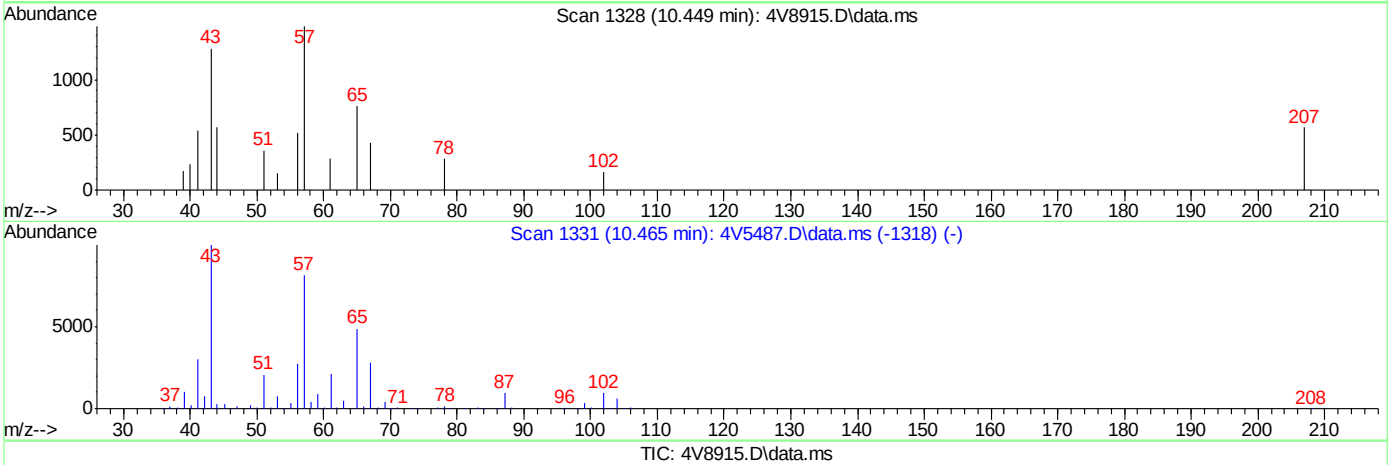
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

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

Quant Time: Jun 18 14:43:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 09:10:57 2014
Response via : Initial Calibration





TIC: 4V8915.D\data.ms

(61) isopropyl acetate

10.449min (+0.010) 0.71ug/L m

response 3920

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	10.31
87.10	5.70	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	125842	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	164695	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.895	114	204312	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	180062	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	106235	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
46) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
73) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
96) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
6) chlorodifluoromethane	3.628	51	1244	0.53	ug/L		65
9) chloromethane	3.938	50	1356	0.56	ug/L		78
10) vinyl chloride	4.215	62	1346	0.51	ug/L	#	50
17) acrolein	6.454	56	2025	5.62	ug/L		85
18) 1,1-dichloroethene	6.580	61	1048	0.41	ug/L	#	64
22) iodomethane	6.900	142	1268	0.39	ug/L		84
24) carbon disulfide	7.010	76	3627	0.57	ug/L		78
25) methylene chloride	7.450	84	911	0.49	ug/L		79
28) methyl tert butyl ether	7.791	73	2466	0.50	ug/L		71
29) trans-1,2-dichloroethene	7.854	61	1047	0.47	ug/L		92
30) di-isopropyl ether	8.489	45	2616	0.54	ug/L		85
31) ethyl tert-butyl ether	9.002	59	2174	0.43	ug/L		95
33) 1,1-dichloroethane	8.525	63	1230	0.45	ug/L		89
35) acrylonitrile	7.901	53	1180	1.87	ug/L		90
38) 2,2-dichloropropane	9.338	77	1226	0.52	ug/L	#	45
39) cis-1,2-dichloroethene	9.354	61	1246	0.45	ug/L		83
40) propionitrile	9.516	54	1002	3.84	ug/L		54
44) chloroform	9.773	83	1540	0.56	ug/L		88
49) 1,1,1-trichloroethane	10.009	97	1103	0.43	ug/L		77
50) tert-amyl methyl ether	10.512	73	2545	0.51	ug/L		84
52) epichlorohydrin	12.216	57	321	2.15	ug/L		55
53) n-butyl alcohol	11.115	56	1196	22.42	ug/L		84
54) cyclohexane	10.046	84	1077	0.46	ug/L	#	100
55) carbon tetrachloride	10.214	117	936	0.42	ug/L		91
56) 1,1-dichloropropene	10.193	75	861	0.46	ug/L		84
57) hexane	8.174	57	646	0.39	ug/L	#	65
58) benzene	10.486	78	2911	0.53	ug/L		92
59) isooctane	10.444	57	2363	0.40	ug/L		94
60) heptane	10.633	57	343	0.39	ug/L	#	50
62) 1,2-dichloroethane	10.539	62	759	0.43	ug/L	#	50
63) trichloroethene	11.231	95	632	0.46	ug/L		96
65) 2-nitropropane	12.080	43	1909	0.63	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

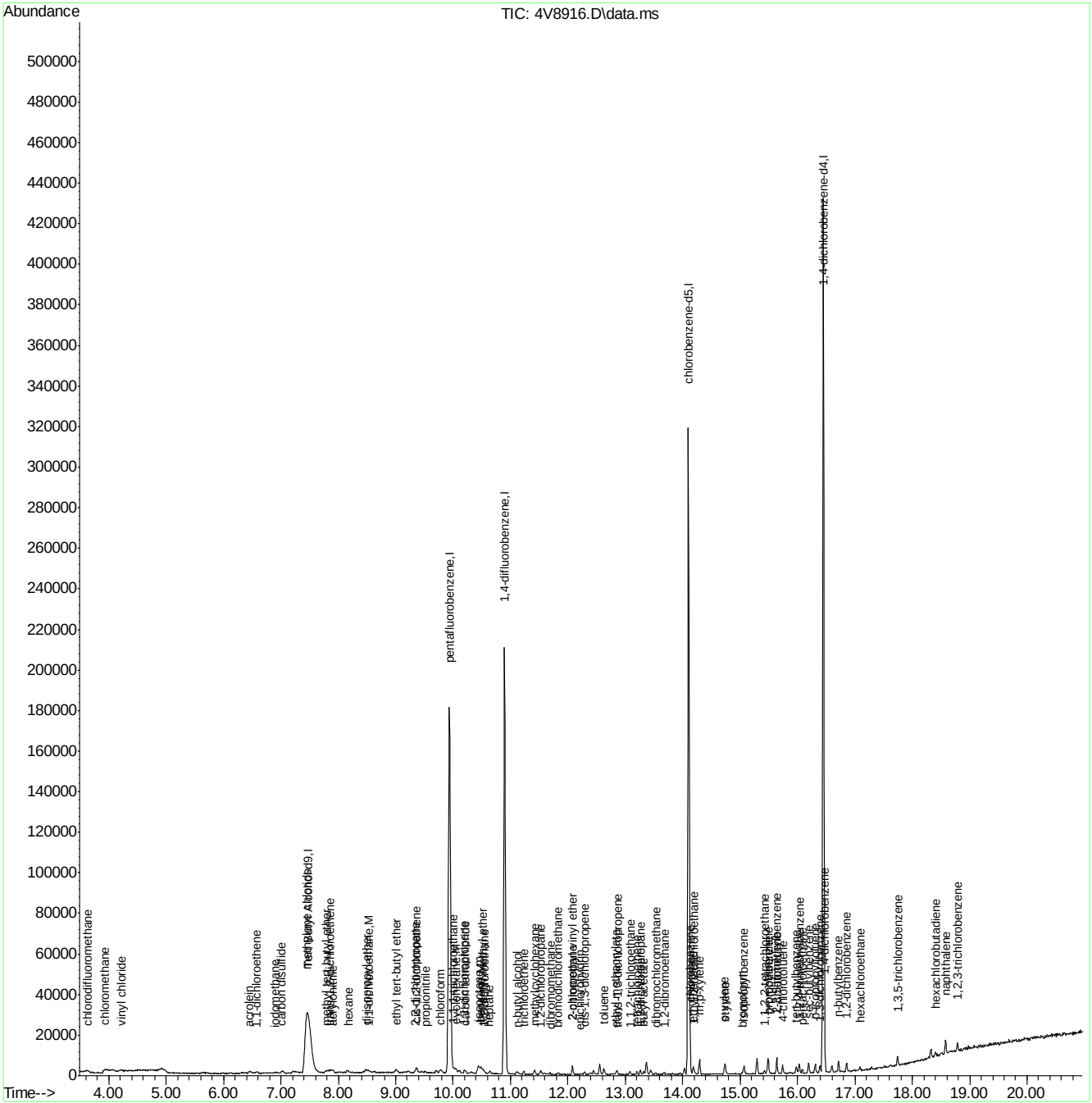
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66)	2-chloroethyl vinyl ether	12.080	63	2067	2.40	ug/L		98
68)	1,2-dichloropropane	11.519	63	574	0.42	ug/L	#	44
69)	methylcyclohexane	11.425	83	975	0.39	ug/L		93
70)	dibromomethane	11.692	93	371	0.39	ug/L		86
71)	bromodichloromethane	11.828	83	884	0.47	ug/L		92
72)	cis-1,3-dichloropropene	12.285	75	1043	0.51	ug/L		89
75)	toluene	12.631	92	1446	0.51	ug/L		98
77)	trans-1,3-dichloropropene	12.867	75	980	0.53	ug/L		91
78)	ethyl methacrylate	12.840	69	831	0.50	ug/L		71
79)	1,1,2-trichloroethane	13.087	83	464	0.44	ug/L		82
82)	tetrachloroethene	13.207	166	536	0.41	ug/L		85
83)	1,3-dichloropropane	13.260	76	890	0.48	ug/L		83
84)	butyl acetate	13.323	56	431	0.47	ug/L	#	53
85)	dibromochloromethane	13.532	129	739	0.47	ug/L		84
86)	1,2-dibromoethane	13.679	107	640	0.46	ug/L		85
87)	chlorobenzene	14.130	112	1828	0.54	ug/L		97
88)	1,1,1,2-tetrachloroethane	14.198	131	651	0.41	ug/L		93
89)	ethylbenzene	14.183	91	3201	0.53	ug/L		96
90)	m,p-xylene	14.293	106	2223	0.99	ug/L		73
91)	o-xylene	14.723	106	1068	0.44	ug/L		99
92)	styrene	14.749	104	1929	0.51	ug/L		94
93)	bromoform	15.037	173	553	0.45	ug/L		85
95)	isopropylbenzene	15.069	105	3195	0.50	ug/L		95
97)	bromobenzene	15.488	156	846	0.54	ug/L		90
99)	1,1,2,2-tetrachloroethane	15.425	83	1188	0.53	ug/L		93
102)	n-propylbenzene	15.488	91	4180	0.58	ug/L		95
103)	2-chlorotoluene	15.640	126	774m	0.52	ug/L		
104)	4-chlorotoluene	15.745	91	2574	0.58	ug/L		95
105)	1,3,5-trimethylbenzene	15.635	105	2937	0.54	ug/L		96
106)	tert-butylbenzene	15.981	119	2007	0.40	ug/L		99
107)	pentachloroethane	16.081	167	449	0.38	ug/L	#	67
108)	1,2,4-trimethylbenzene	16.033	105	3087	0.57	ug/L		94
109)	sec-butylbenzene	16.196	105	3807	0.51	ug/L		91
110)	1,3-dichlorobenzene	16.395	146	1796	0.56	ug/L		97
111)	p-isopropyltoluene	16.306	119	3316	0.56	ug/L		97
112)	1,4-dichlorobenzene	16.474	146	1869	0.58	ug/L		87
114)	1,2-dichlorobenzene	16.856	146	1895	0.57	ug/L		87
115)	n-butylbenzene	16.715	92	1802	0.55	ug/L		96
117)	1,3,5-trichlorobenzene	17.748	180	1730	0.60	ug/L		91
119)	hexachlorobutadiene	18.408	225	650	0.53	ug/L		90
120)	naphthalene	18.576	128	4459	0.56	ug/L		92
121)	1,2,3-trichlorobenzene	18.791	180	1548	0.58	ug/L		97
122)	hexachloroethane	17.087	119	601	0.43	ug/L		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 10:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

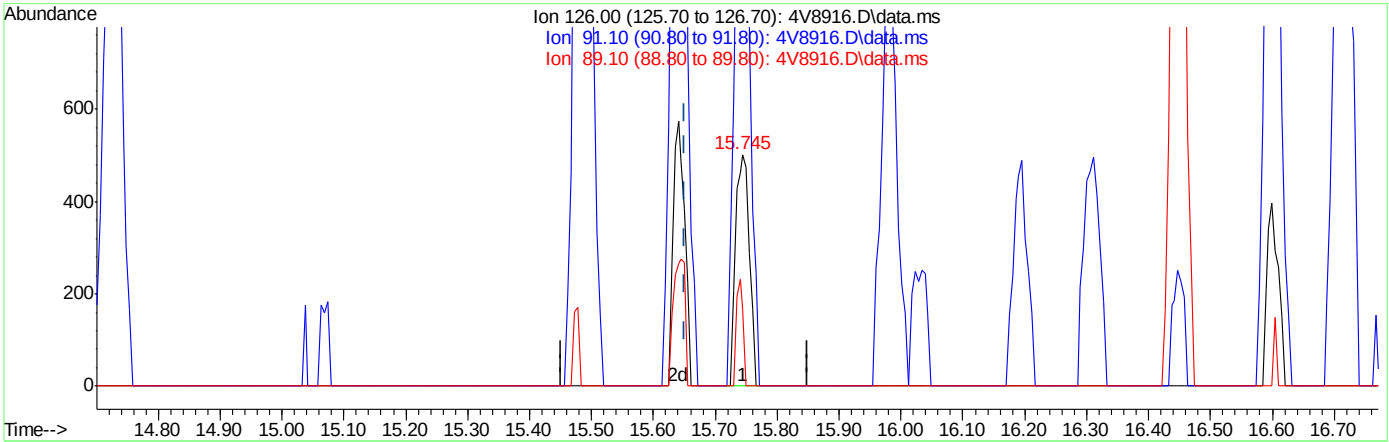
Sample Number:	V4V368-IC368	**Method:**	SW846 8260B
Lab FileID:	4V8916.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 12:46	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

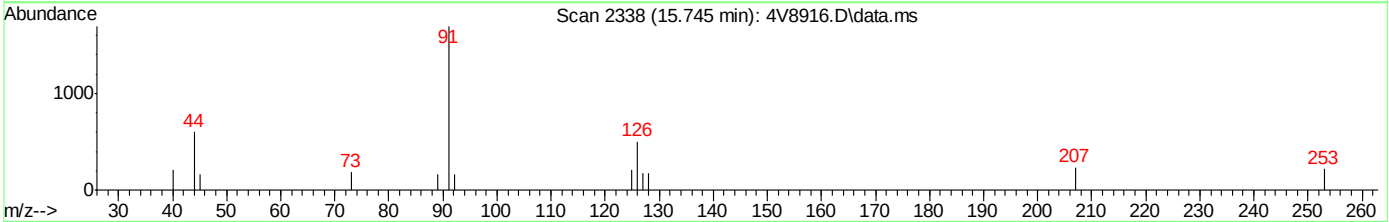
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Chlorotoluene	95-49-8		15.64	Poorly defined baseline

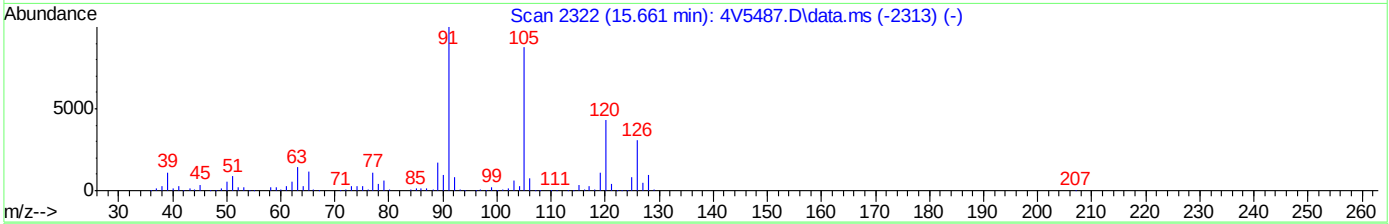
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\v4v368Initial\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 13:08:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8916.D\data.ms

(103) 2-chlorotoluene

15.745min (+0.094) 0.53ug/L

response 796

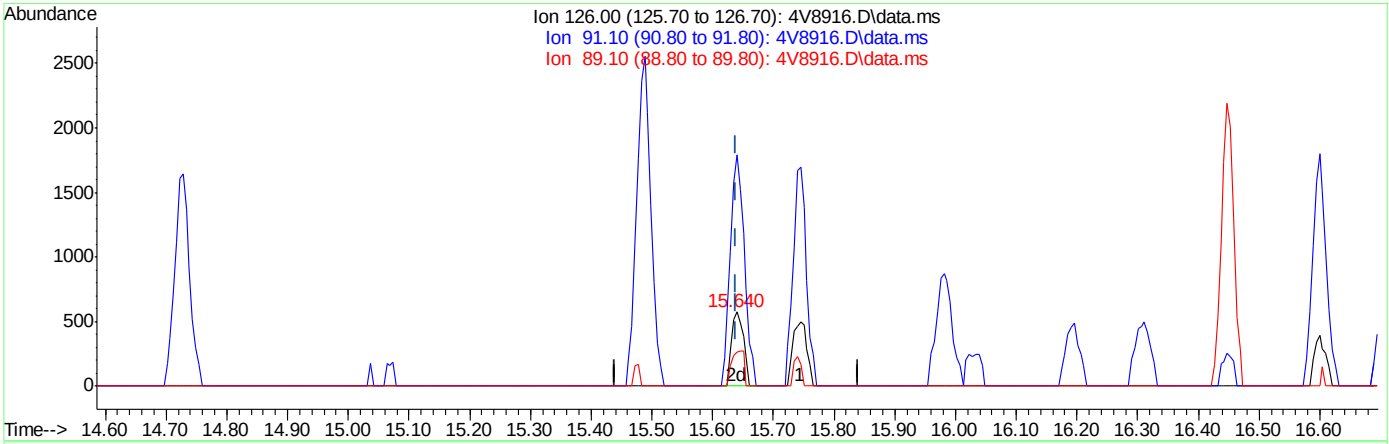
Ion	Exp%	Act%
126.00	100	100
91.10	323.60	337.25
89.10	56.40	33.07
0.00	0.00	0.00

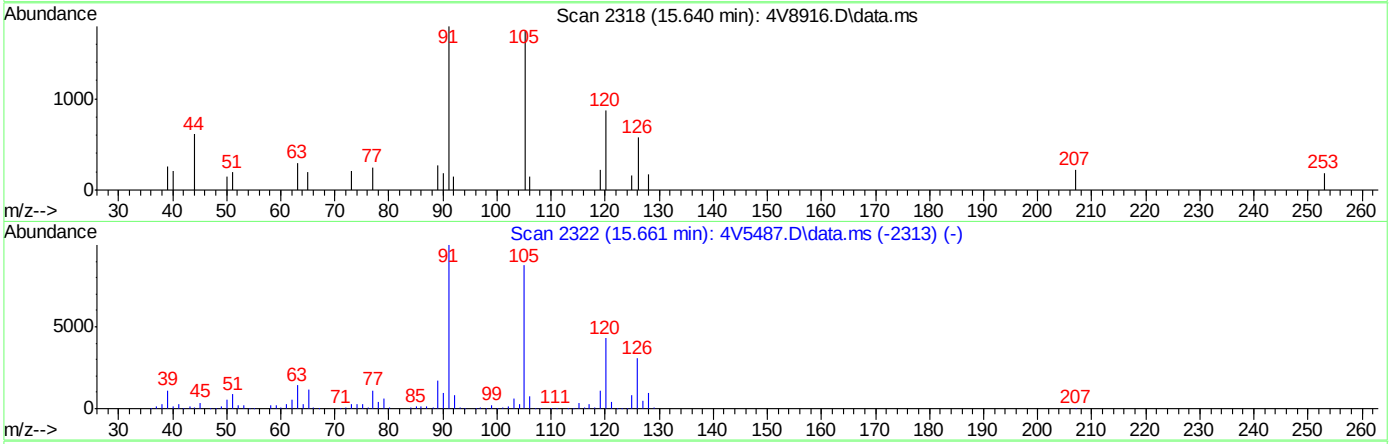
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8916.D
Acq On : 17 Jun 2014 12:46 pm
Operator : BenM
Sample : ic368-0.5
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8916.D\data.ms

(103) 2-chlorotoluene

15.640min (-0.000) 0.52ug/L m

response 774

Ion	Exp%	Act%
126.00	100	100
91.10	339.00	312.54
89.10	57.20	46.34
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8917.D
Acq On : 17 Jun 2014 1:12 pm
Operator : BenM
Sample : ic368-0.2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:45:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

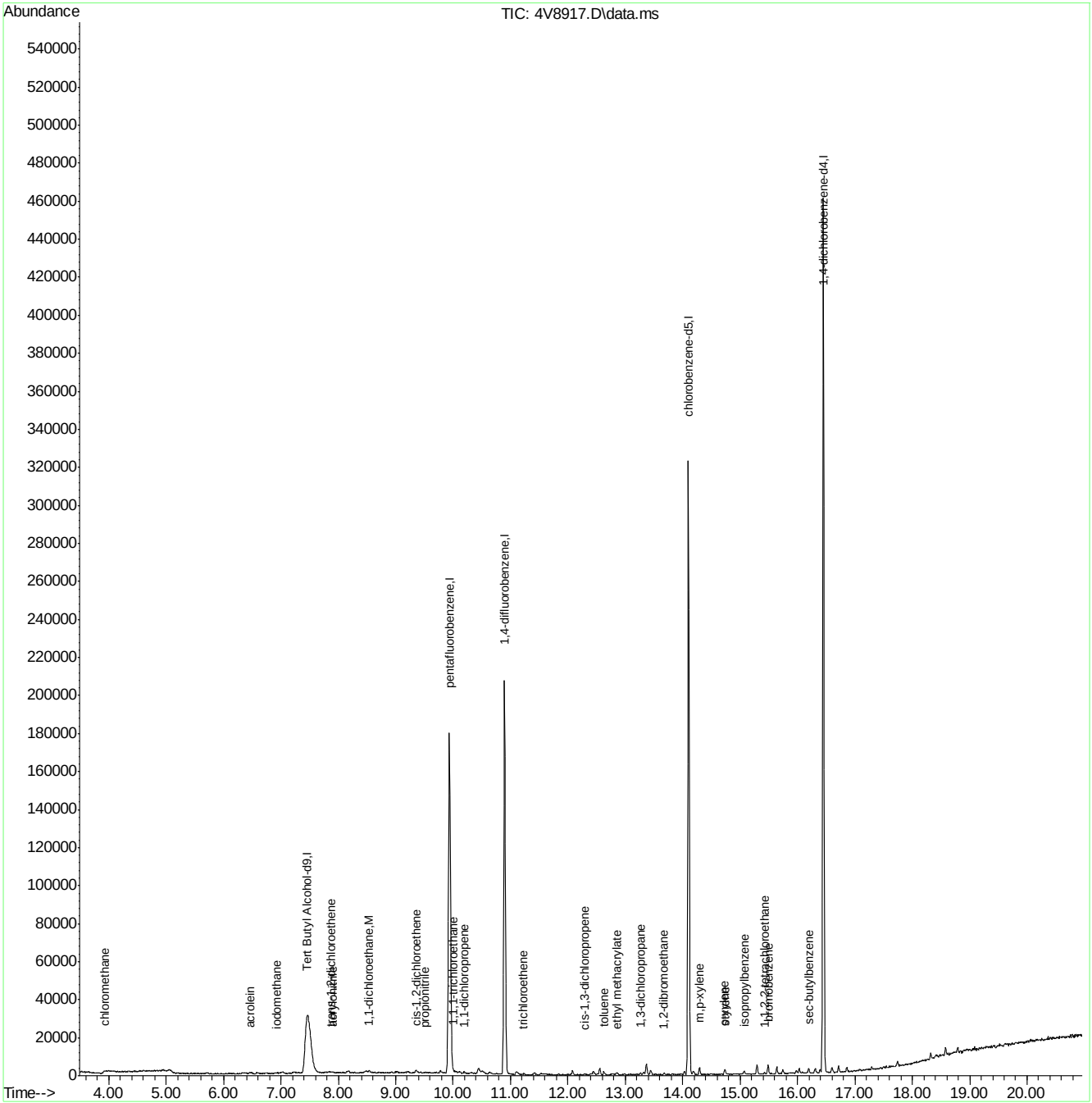
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	125794	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	165575	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	198157	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	181074	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.447	152	112514	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	0.000	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
46) 1,2-dichloroethane-d4 (s)	0.000	65	0d	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
73) toluene-d8 (s)	0.000	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
96) 4-bromofluorobenzene (s)	0.000	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
9) chloromethane	3.932	50	596	0.24	ug/L	#	49
17) acrolein	6.465	56	705	1.94	ug/L		93
22) iodomethane	6.931	142	749	0.23	ug/L	#	42
29) trans-1,2-dichloroethene	7.870	61	487	0.22	ug/L	#	69
33) 1,1-dichloroethane	8.536	63	632	0.23	ug/L	#	50
35) acrylonitrile	7.901	53	534	0.84	ug/L	#	17
39) cis-1,2-dichloroethene	9.364	61	691	0.25	ug/L	#	57
40) propionitrile	9.511	54	526	2.01	ug/L		67
49) 1,1,1-trichloroethane	9.999	97	564	0.22	ug/L	#	24
56) 1,1-dichloropropene	10.198	75	418	0.23	ug/L	#	41
63) trichloroethene	11.225	95	284	0.21	ug/L	#	51
72) cis-1,3-dichloropropene	12.290	75	492	0.25	ug/L	#	63
75) toluene	12.625	92	691	0.25	ug/L		80
78) ethyl methacrylate	12.851	69	340	0.21	ug/L		65
83) 1,3-dichloropropane	13.260	76	481	0.26	ug/L	#	50
86) 1,2-dibromoethane	13.674	107	310	0.22	ug/L		86
90) m,p-xylene	14.293	106	1112	0.49	ug/L		88
91) o-xylene	14.728	106	533	0.22	ug/L		99
92) styrene	14.743	104	993	0.26	ug/L		95
95) isopropylbenzene	15.074	105	1683	0.25	ug/L		90
97) bromobenzene	15.493	156	342	0.21	ug/L	#	76
99) 1,1,2,2-tetrachloroethane	15.425	83	608	0.26	ug/L		88
109) sec-butylbenzene	16.191	105	2068	0.26	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8917.D
Acq On : 17 Jun 2014 1:12 pm
Operator : BenM
Sample : ic368-0.2
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:45:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	127046	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	175386	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	238741	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	212087	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	120105	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	15872	9.78	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 19.56%#				
46) 1,2-dichloroethane-d4 (s)	10.444	65	16594	10.57	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 21.14%#				
73) toluene-d8 (s)	12.552	98	51242	10.62	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 21.24%#				
96) 4-bromofluorobenzene (s)	15.294	95	21609	11.18	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 22.36%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.655	88	5039	243.63	ug/L	#	95
3) tertiary butyl alcohol	7.592	59	12948	51.85	ug/L		92
6) chlorodifluoromethane	3.649	51	24012	9.54	ug/L		98
7) dichlorodifluoromethane	3.634	85	27378	9.52	ug/L		97
9) chloromethane	3.959	50	25213	9.78	ug/L		97
10) vinyl chloride	4.237	62	28070	9.89	ug/L		99
11) bromomethane	4.939	94	18374	10.59	ug/L		98
12) chloroethane	5.138	64	11103	10.34	ug/L		96
13) trichlorofluoromethane	5.663	101	28856	9.50	ug/L		94
14) ethyl ether	6.119	74	7241	9.60	ug/L		95
16) 2-chloropropane	6.344	43	27249	10.08	ug/L		97
17) acrolein	6.449	56	36799	95.83	ug/L		94
18) 1,1-dichloroethene	6.591	61	26373	9.71	ug/L		97
19) acetone	6.717	58	1278	7.82	ug/L	#	54
20) allyl chloride	7.220	76	7726	10.56	ug/L		94
21) acetonitrile	7.257	40	15245	94.83	ug/L		84
22) iodomethane	6.921	142	33790	9.78	ug/L		98
23) iso-butyl alcohol	10.308	41	6988	101.86	ug/L		94
24) carbon disulfide	7.031	76	66295	9.79	ug/L		98
25) methylene chloride	7.456	84	18943	9.66	ug/L		98
26) 1-chloropropane	7.466	41	7502	10.27	ug/L	#	62
27) methyl acetate	7.230	74	2540	8.96	ug/L	#	74
28) methyl tert butyl ether	7.807	73	51178	9.72	ug/L		98
29) trans-1,2-dichloroethene	7.860	61	23425	9.85	ug/L		97
30) di-isopropyl ether	8.483	45	50446	9.70	ug/L		99
31) ethyl tert-butyl ether	9.008	59	52226	9.62	ug/L		98
32) 2-butanone	9.364	72	1868	9.46	ug/L		64
33) 1,1-dichloroethane	8.536	63	28322	9.64	ug/L		98
34) chloroprene	8.630	53	19892	9.53	ug/L		96
35) acrylonitrile	7.886	53	31505	46.81	ug/L		98
36) vinyl acetate	8.536	86	1973	9.07	ug/L		54
37) ethyl acetate	9.370	45	2467	9.89	ug/L	#	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.349	77	24877	9.92	ug/L		97
39) cis-1,2-dichloroethene	9.364	61	28441	9.62	ug/L		98
40) propionitrile	9.501	54	25934	93.41	ug/L		89
41) methyl acrylate	9.448	55	19012	10.42	ug/L	#	99
42) bromochloromethane	9.710	128	8664	9.38	ug/L		95
43) tetrahydrofuran	9.737	42	6434	10.51	ug/L		93
44) chloroform	9.784	83	28249	9.71	ug/L		97
47) freon 113	6.549	151	13265	9.58	ug/L		95
48) methacrylonitrile	9.679	41	22174	10.18	ug/L		97
49) 1,1,1-trichloroethane	10.009	97	25797	9.53	ug/L		99
50) tert-amyl methyl ether	10.518	73	50826	9.61	ug/L		96
52) epichlorohydrin	12.216	57	8987	51.52	ug/L		97
53) n-butyl alcohol	11.094	56	28627	459.16	ug/L		99
54) cyclohexane	10.051	84	24488	8.91	ug/L	#	100
55) carbon tetrachloride	10.214	117	23804	9.05	ug/L		99
56) 1,1-dichloropropene	10.193	75	20120	9.15	ug/L		97
57) hexane	8.169	57	17620	9.20	ug/L		96
58) benzene	10.481	78	59711	9.26	ug/L		99
59) isooctane	10.444	57	58975	8.58	ug/L		97
60) heptane	10.638	57	10215	9.93	ug/L		96
61) isopropyl acetate	10.444	43	40520m	6.84	ug/L		
62) 1,2-dichloroethane	10.539	62	18544	9.04	ug/L		96
63) trichloroethene	11.236	95	15730	9.73	ug/L		98
65) 2-nitropropane	12.080	43	36996	10.45	ug/L		98
66) 2-chloroethyl vinyl ether	12.080	63	52263	51.83	ug/L		100
67) methyl methacrylate	11.535	69	10593	10.03	ug/L		97
68) 1,2-dichloropropane	11.524	63	16011	9.91	ug/L		98
69) methylcyclohexane	11.420	83	25960	8.88	ug/L		97
70) dibromomethane	11.697	93	11228	10.02	ug/L		98
71) bromodichloromethane	11.834	83	21490	9.86	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	24729	10.28	ug/L		96
74) 4-methyl-2-pentanone	12.390	58	6797	9.36	ug/L		93
75) toluene	12.625	92	33738	10.15	ug/L		98
76) 3-methyl-1-butanol	12.437	70	10147	185.82	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	22571	10.45	ug/L		97
78) ethyl methacrylate	12.840	69	19321	9.89	ug/L		96
79) 1,1,2-trichloroethane	13.082	83	12422	10.07	ug/L		95
80) 2-hexanone	13.255	58	6360	9.97	ug/L		99
82) tetrachloroethene	13.207	166	15074	9.72	ug/L		97
83) 1,3-dichloropropane	13.260	76	21755	10.03	ug/L		99
84) butyl acetate	13.318	56	12137	11.21	ug/L		97
85) dibromochloromethane	13.527	129	18136	9.74	ug/L		98
86) 1,2-dibromoethane	13.674	107	15882	9.76	ug/L		94
87) chlorobenzene	14.135	112	40183	10.00	ug/L		94
88) 1,1,1,2-tetrachloroethane	14.204	131	15966	8.64	ug/L		98
89) ethylbenzene	14.183	91	68806	9.62	ug/L		98
90) m,p-xylene	14.293	106	50917	19.28	ug/L		98
91) o-xylene	14.728	106	26843	9.44	ug/L		100
92) styrene	14.744	104	43666	9.73	ug/L		99
93) bromoform	15.037	173	13761	9.59	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.074	105	71304	9.89	ug/L	99
97) bromobenzene	15.488	156	18409	10.37	ug/L	95
98) cyclohexanone	15.284	55	29782	132.32	ug/L	98
99) 1,1,2,2-tetrachloroethane	15.425	83	25818	10.24	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	6002	10.13	ug/L	95
101) 1,2,3-trichloropropane	15.499	110	5338	10.37	ug/L	99
102) n-propylbenzene	15.488	91	84854	10.34	ug/L	99
103) 2-chlorotoluene	15.640	126	17255	10.32	ug/L	97
104) 4-chlorotoluene	15.740	91	52464	10.40	ug/L	100
105) 1,3,5-trimethylbenzene	15.635	105	61846	10.06	ug/L	98
106) tert-butylbenzene	15.981	119	56942	9.97	ug/L	97
107) pentachloroethane	16.081	167	12330	9.26	ug/L	97
108) 1,2,4-trimethylbenzene	16.028	105	61981	10.16	ug/L	98
109) sec-butylbenzene	16.191	105	83265	9.83	ug/L	99
110) 1,3-dichlorobenzene	16.390	146	36142	10.03	ug/L	98
111) p-isopropyltoluene	16.311	119	68739	10.24	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	36652	9.99	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	37192	9.93	ug/L	98
115) n-butylbenzene	16.715	92	36946	9.92	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	5375	9.60	ug/L	97
117) 1,3,5-trichlorobenzene	17.748	180	29544	9.08	ug/L	99
118) 1,2,4-trichlorobenzene	18.325	180	27782	8.90	ug/L	98
119) hexachlorobutadiene	18.403	225	13191	9.46	ug/L	100
120) naphthalene	18.576	128	79051	8.72	ug/L	99
121) 1,2,3-trichlorobenzene	18.786	180	25763	8.55	ug/L	99
122) hexachloroethane	17.087	119	14705	9.29	ug/L	96
123) Benzyl chloride	16.600	91	46868	10.22	ug/L	100

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

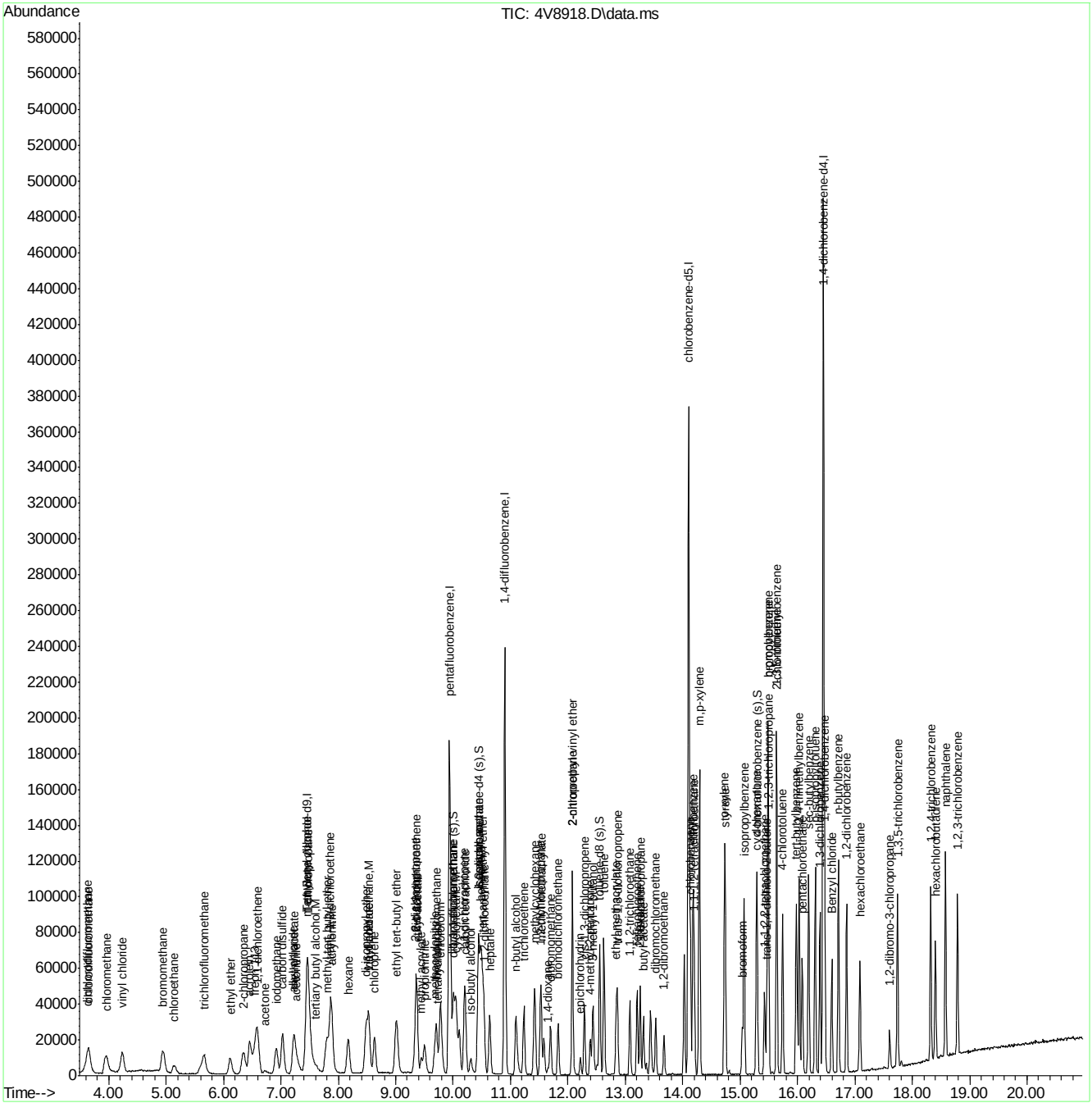
7.6.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:51:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8918.D
Injection Time: 06/17/14 13:38

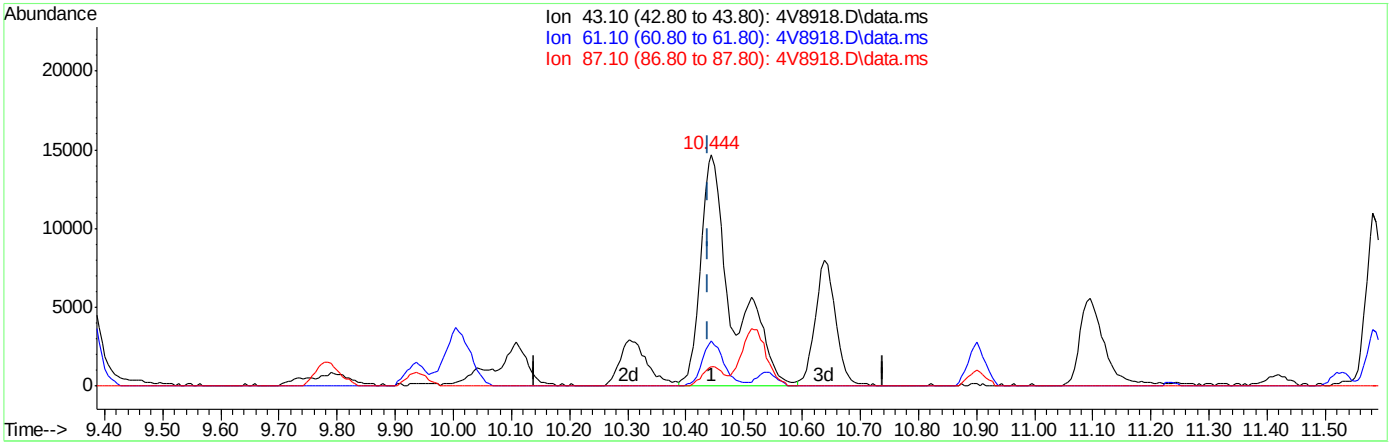
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

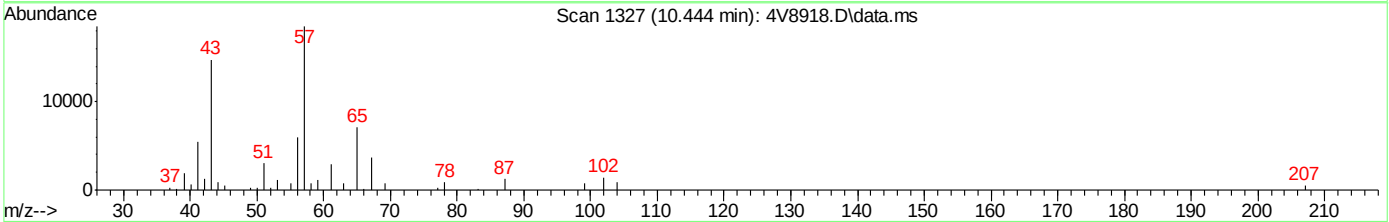
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

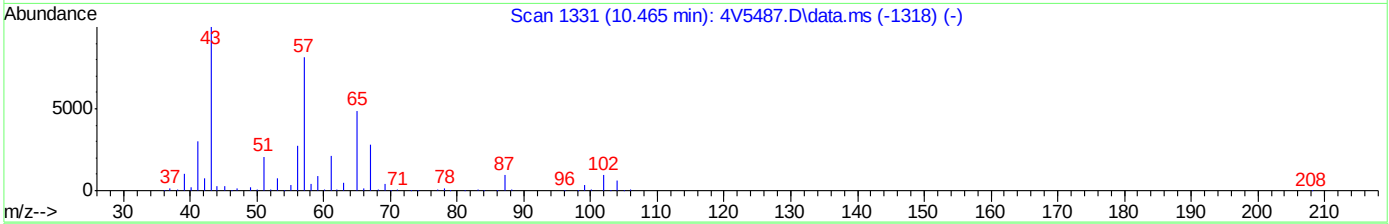
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 08:44:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8918.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 9.54ug/L

response 56481

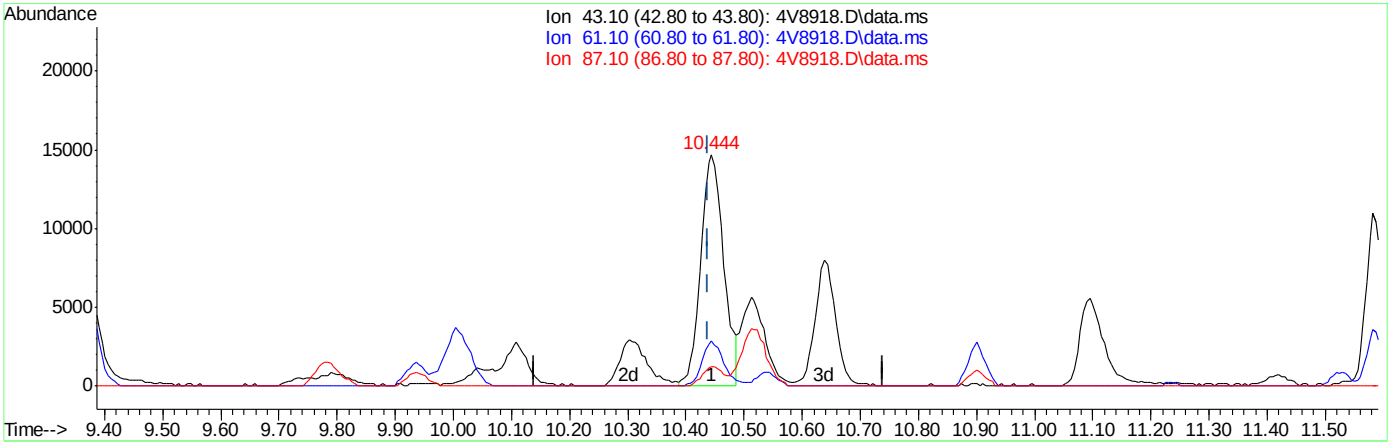
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.62
87.10	5.70	6.35
0.00	0.00	0.00

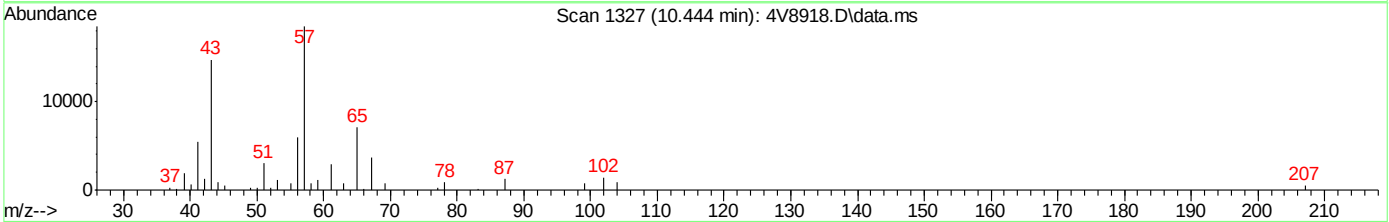
4V8918.D edits: isopropyl acetate

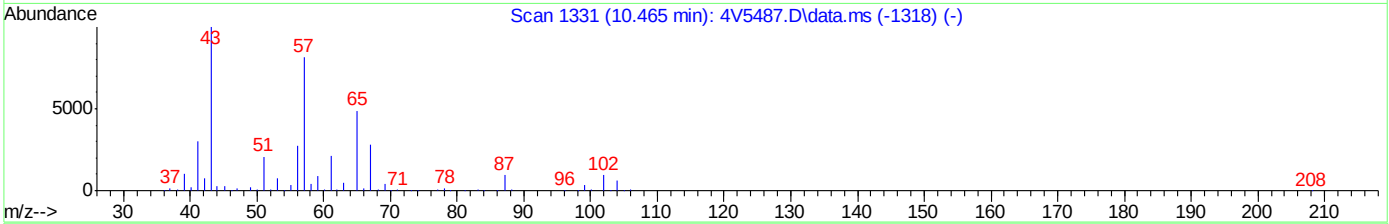
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8918.D
Acq On : 17 Jun 2014 1:38 pm
Operator : BenM
Sample : ic368-10
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 08:44:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8918.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 6.84ug/L m

response 40520

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.98
87.10	5.70	8.86
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

4V8919.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 06/18/14 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	123675	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	166667	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	216140	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	177840	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.448	152	111510	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.999	113	75154	48.76	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.52%				
46) 1,2-dichloroethane-d4 (s)	10.439	65	76397	51.23	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 102.46%				
73) toluene-d8 (s)	12.552	98	209819	48.04	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 96.08%				
96) 4-bromofluorobenzene (s)	15.294	95	91395	50.95	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 101.90%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	9229	458.37	ug/L	#	98
3) tertiary butyl alcohol	7.608	59	24657	101.43	ug/L		99
6) chlorodifluoromethane	3.644	51	47443	19.84	ug/L		97
7) dichlorodifluoromethane	3.618	85	55416	20.28	ug/L		99
9) chloromethane	3.953	50	48979	19.99	ug/L		98
10) vinyl chloride	4.237	62	55173	20.46	ug/L		100
11) bromomethane	4.934	94	34630	21.00	ug/L		98
12) chloroethane	5.138	64	21143	20.71	ug/L		99
13) trichlorofluoromethane	5.652	101	57250	19.83	ug/L		99
14) ethyl ether	6.114	74	13992	19.51	ug/L		99
16) 2-chloropropane	6.344	43	51033	19.87	ug/L		98
17) acrolein	6.449	56	72296	198.12	ug/L		99
18) 1,1-dichloroethene	6.591	61	51495	19.95	ug/L		99
19) acetone	6.711	58	2940	18.94	ug/L		96
20) allyl chloride	7.215	76	15076	21.69	ug/L		88
21) acetonitrile	7.257	40	29900	195.73	ug/L		99
22) iodomethane	6.916	142	65743	20.03	ug/L		99
23) iso-butyl alcohol	10.298	41	12471	191.30	ug/L		96
24) carbon disulfide	7.021	76	129739	20.16	ug/L		99
25) methylene chloride	7.456	84	36701	19.69	ug/L		98
26) 1-chloropropane	7.461	41	14106	20.33	ug/L		87
27) methyl acetate	7.225	74	5038	18.70	ug/L	#	83
28) methyl tert butyl ether	7.807	73	100338	20.06	ug/L		99
29) trans-1,2-dichloroethene	7.860	61	44778	19.82	ug/L		98
30) di-isopropyl ether	8.483	45	97813	19.79	ug/L		99
31) ethyl tert-butyl ether	9.013	59	102645	19.89	ug/L		99
32) 2-butanone	9.354	72	3603	19.20	ug/L		81
33) 1,1-dichloroethane	8.525	63	55444	19.85	ug/L		98
34) chloroprene	8.630	53	39265	19.80	ug/L		99
35) acrylonitrile	7.881	53	62931	98.40	ug/L		98
36) vinyl acetate	8.536	86	3949	19.10	ug/L		78
37) ethyl acetate	9.359	45	5069	21.39	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	48602	20.40	ug/L		96
39) cis-1,2-dichloroethene	9.359	61	55913	19.91	ug/L		97
40) propionitrile	9.501	54	51224	194.15	ug/L		99
41) methyl acrylate	9.443	55	35171	20.29	ug/L	#	100
42) bromochloromethane	9.705	128	16939	19.30	ug/L		95
43) tetrahydrofuran	9.737	42	11703	20.11	ug/L		98
44) chloroform	9.773	83	54145	19.58	ug/L		98
47) freon 113	6.549	151	26685	20.27	ug/L		97
48) methacrylonitrile	9.674	41	41547	20.07	ug/L		99
49) 1,1,1-trichloroethane	10.004	97	50176	19.51	ug/L		99
50) tert-amyl methyl ether	10.513	73	98503	19.60	ug/L		95
52) epichlorohydrin	12.217	57	15146	95.92	ug/L		100
53) n-butyl alcohol	11.089	56	49920	884.40	ug/L		98
54) cyclohexane	10.051	84	48476	19.47	ug/L	#	100
55) carbon tetrachloride	10.208	117	46201	19.39	ug/L		97
56) 1,1-dichloropropene	10.193	75	38479	19.33	ug/L		99
57) hexane	8.164	57	34370	19.83	ug/L		94
58) benzene	10.481	78	113556	19.44	ug/L		99
59) isooctane	10.444	57	119176	19.14	ug/L		99
60) heptane	10.638	57	18692	20.07	ug/L		96
61) isopropyl acetate	10.439	43	75486m	14.08	ug/L		
62) 1,2-dichloroethane	10.539	62	36262	19.53	ug/L		99
63) trichloroethene	11.231	95	29427	20.11	ug/L		99
65) 2-nitropropane	12.075	43	63076	19.68	ug/L		100
66) 2-chloroethyl vinyl ether	12.075	63	88832	97.31	ug/L		99
67) methyl methacrylate	11.535	69	17896	18.71	ug/L		99
68) 1,2-dichloropropane	11.524	63	28615	19.57	ug/L		98
69) methylcyclohexane	11.420	83	51311	19.38	ug/L		99
70) dibromomethane	11.692	93	20529	20.24	ug/L		100
71) bromodichloromethane	11.829	83	39155	19.85	ug/L		97
72) cis-1,3-dichloropropene	12.285	75	41972	19.27	ug/L		98
74) 4-methyl-2-pentanone	12.390	58	12289	18.70	ug/L		98
75) toluene	12.625	92	57571	19.13	ug/L		100
76) 3-methyl-1-butanol	12.437	70	17765	359.35	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	38160	19.51	ug/L		99
78) ethyl methacrylate	12.840	69	33911	19.18	ug/L		99
79) 1,1,2-trichloroethane	13.082	83	21259	19.05	ug/L		98
80) 2-hexanone	13.249	58	11466	19.86	ug/L		98
82) tetrachloroethene	13.202	166	25391	19.52	ug/L		97
83) 1,3-dichloropropane	13.260	76	35576	19.55	ug/L		98
84) butyl acetate	13.318	56	19716	21.71	ug/L		96
85) dibromochloromethane	13.527	129	30659	19.64	ug/L		98
86) 1,2-dibromoethane	13.674	107	27416	20.08	ug/L		98
87) chlorobenzene	14.130	112	67174	19.94	ug/L		98
88) 1,1,1,2-tetrachloroethane	14.204	131	30430	19.63	ug/L		99
89) ethylbenzene	14.183	91	118679	19.80	ug/L		99
90) m,p-xylene	14.293	106	87151	39.35	ug/L		97
91) o-xylene	14.728	106	46096	19.33	ug/L		99
92) styrene	14.744	104	77431	20.57	ug/L		98
93) bromoform	15.037	173	24608	20.46	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

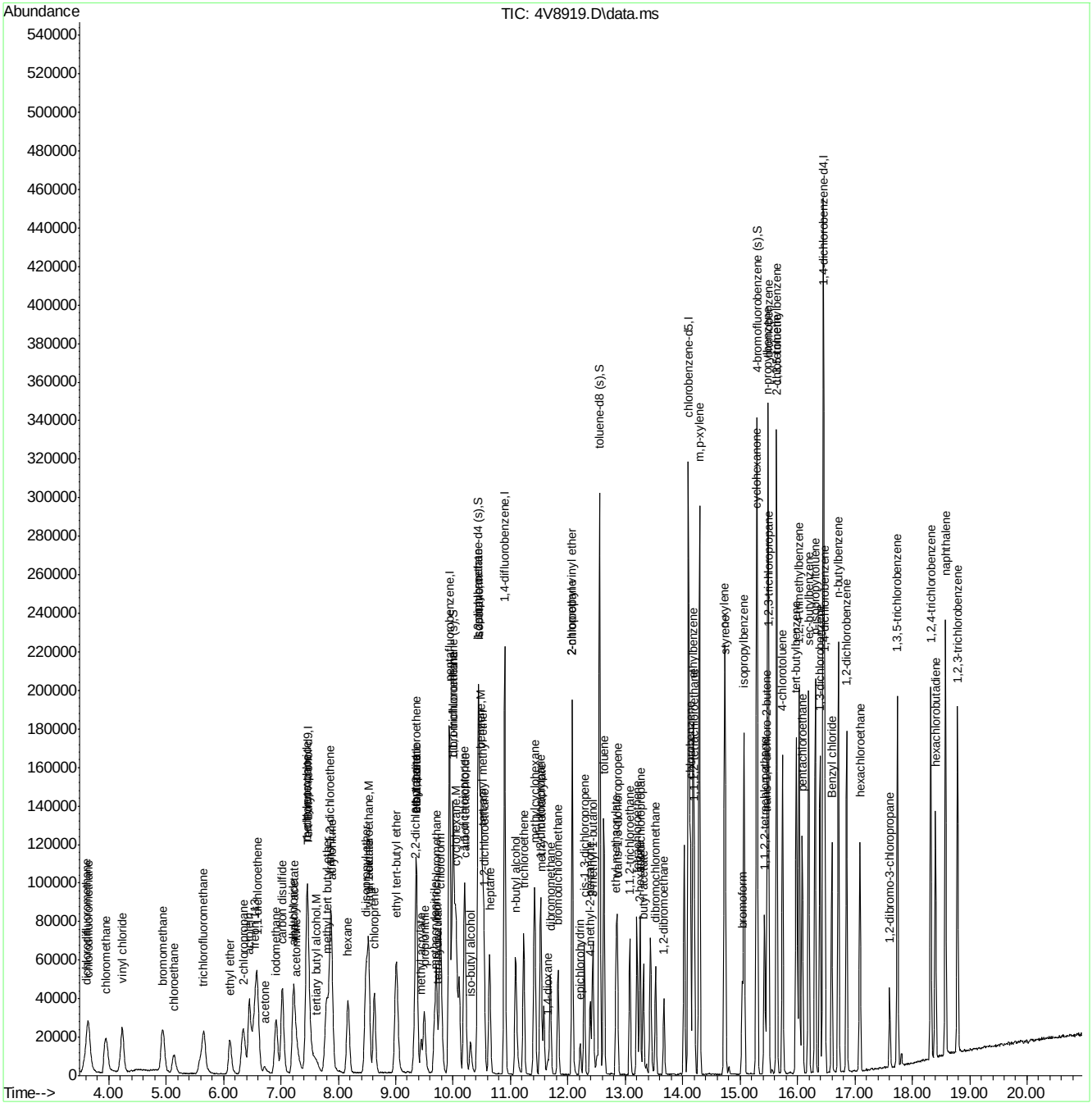
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	126600	18.91	ug/L	99
97) bromobenzene	15.488	156	33078	20.06	ug/L	98
98) cyclohexanone	15.284	55	50815	243.17	ug/L	96
99) 1,1,2,2-tetrachloroethane	15.425	83	45727	19.54	ug/L	100
100) trans-1,4-dichloro-2-b...	15.467	53	10636	19.33	ug/L	85
101) 1,2,3-trichloropropane	15.499	110	9493	19.86	ug/L	96
102) n-propylbenzene	15.483	91	151023	19.82	ug/L	99
103) 2-chlorotoluene	15.640	126	30232	19.47	ug/L	94
104) 4-chlorotoluene	15.740	91	94574	20.20	ug/L	98
105) 1,3,5-trimethylbenzene	15.635	105	107909	18.90	ug/L	98
106) tert-butylbenzene	15.981	119	89585	16.89	ug/L	98
107) pentachloroethane	16.081	167	23174	18.74	ug/L	99
108) 1,2,4-trimethylbenzene	16.028	105	110857	19.57	ug/L	99
109) sec-butylbenzene	16.191	105	150358	19.12	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	67204	20.08	ug/L	99
111) p-isopropyltoluene	16.311	119	123070	19.74	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	67903	19.94	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	69105	19.88	ug/L	99
115) n-butylbenzene	16.715	92	70148	20.28	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	10218	19.65	ug/L	99
117) 1,3,5-trichlorobenzene	17.743	180	58561	19.39	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	55489	19.14	ug/L	99
119) hexachlorobutadiene	18.403	225	25519	19.71	ug/L	98
120) naphthalene	18.576	128	159452	18.94	ug/L	100
121) 1,2,3-trichlorobenzene	18.791	180	53697	19.19	ug/L	99
122) hexachloroethane	17.087	119	27688	18.84	ug/L	98
123) Benzyl chloride	16.600	91	86716	20.36	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:52:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

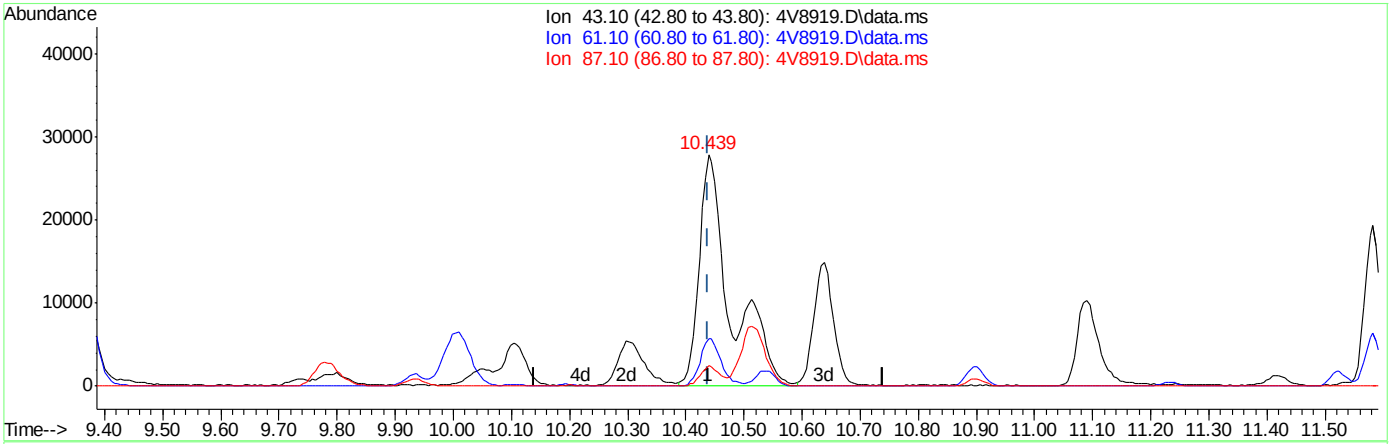
Sample Number:	V4V368-IC368	**Method:**	SW846 8260B
Lab FileID:	4V8919.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 14:05	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

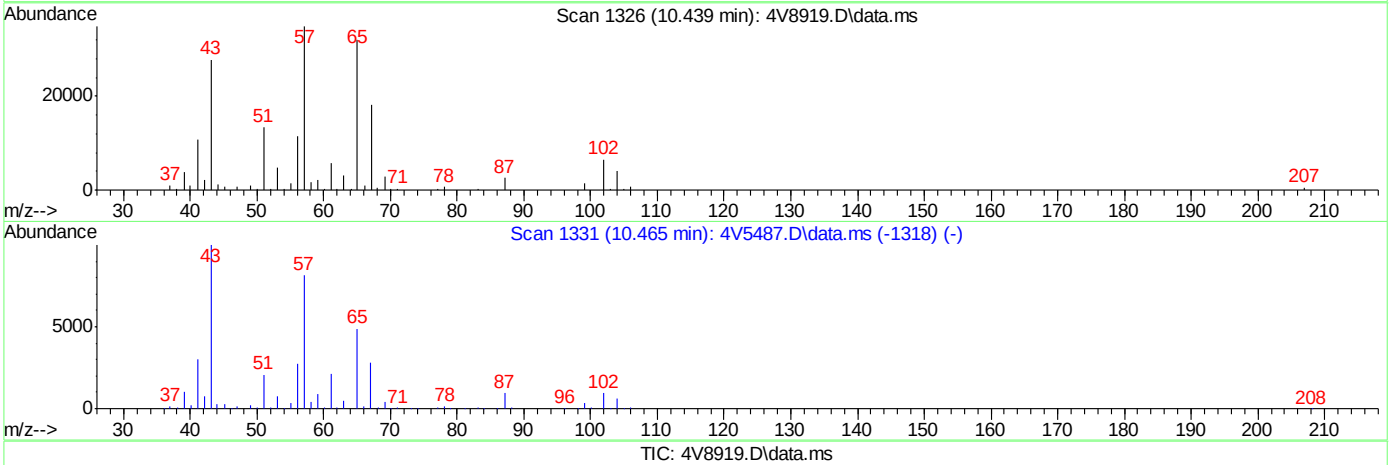
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 08:46:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8919.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 19.58ug/L

response 104935

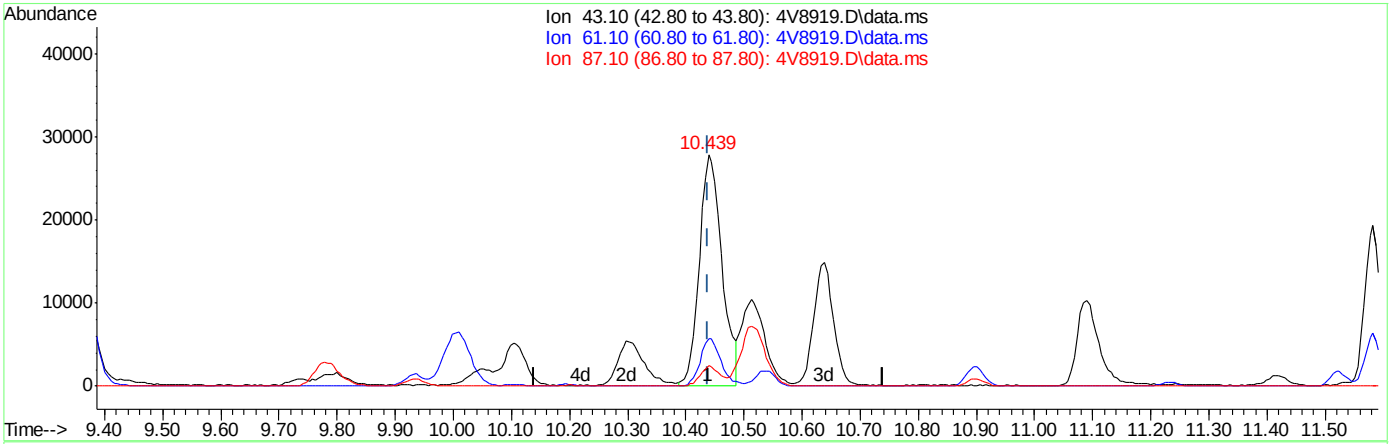
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.89
87.10	5.70	5.82
0.00	0.00	0.00

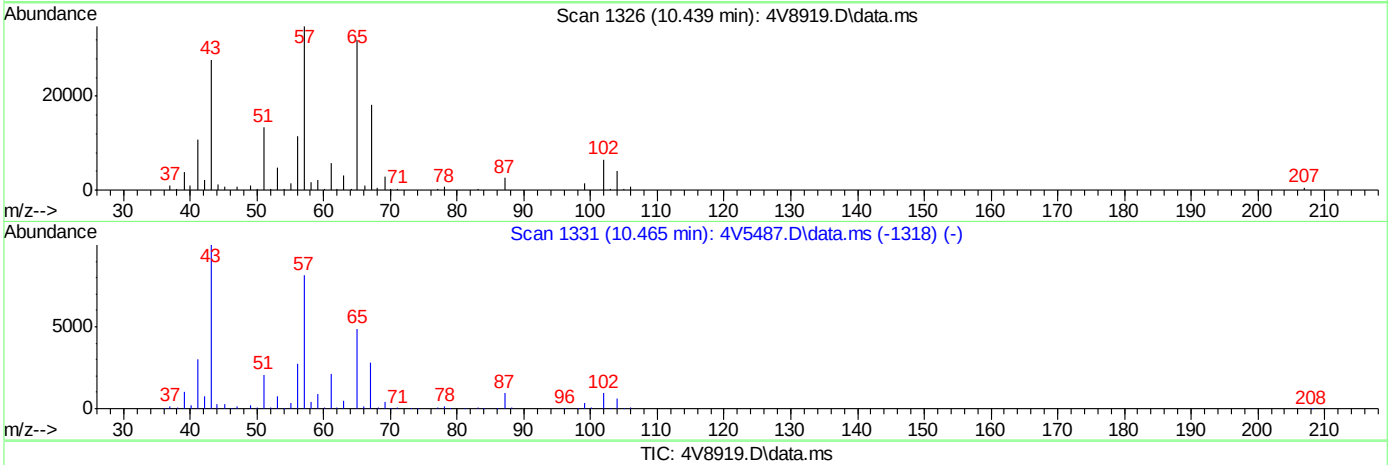
4V8919.D edits: isopropyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8919.D
Acq On : 17 Jun 2014 2:05 pm
Operator : BenM
Sample : ic368-20
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 08:46:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8919.D\data.ms

(61) isopropyl acetate

10.439min (+0.000) 14.08ug/L m

response 75486

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	19.31
87.10	5.70	8.10
0.00	0.00	0.00

4V8919.D edits: isopropyl acetate

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.466	65	129482	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	167351	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	212732	50.00	ug/L		0.00
81) chlorobenzene-d5	14.099	117	179279	50.00	ug/L		-0.01
94) 1,4-dichlorobenzene-d4	16.448	152	108897	50.00	ug/L		-0.01
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	77389	50.09	ug/L		-0.01
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.18%				
46) 1,2-dichloroethane-d4 (s)	10.439	65	74875	49.29	ug/L		-0.01
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.58%				
73) toluene-d8 (s)	12.552	98	214930	46.55	ug/L		-0.01
Spiked Amount 50.000	Range 78 - 119		Recovery = 93.10%				
96) 4-bromofluorobenzene (s)	15.294	95	87589	42.75	ug/L		-0.01
Spiked Amount 50.000	Range 74 - 119		Recovery = 85.50%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	26350	1444.86	ug/L	#	87
3) tertiary butyl alcohol	7.613	59	63626	258.87	ug/L		98
6) chlorodifluoromethane	3.644	51	120076	48.73	ug/L		99
7) dichlorodifluoromethane	3.628	85	137183	49.99	ug/L		98
9) chloromethane	3.959	50	122993	48.24	ug/L		99
10) vinyl chloride	4.242	62	135358	49.52	ug/L		100
11) bromomethane	4.939	94	82800	46.50	ug/L		97
12) chloroethane	5.133	64	51254	59.63	ug/L		99
13) trichlorofluoromethane	5.652	101	144912	51.70	ug/L		98
14) ethyl ether	6.114	74	36001	56.70	ug/L		97
16) 2-chloropropane	6.339	43	128964	47.09	ug/L	#	93
17) acrolein	6.449	56	183201	13.62	ug/L		100
18) 1,1-dichloroethene	6.585	61	129559	53.51	ug/L		97
19) acetone	6.717	58	7794	50.24	ug/L		98
20) allyl chloride	7.215	76	34901	52.77	ug/L	#	65
21) acetonitrile	7.257	40	76696	579.43	ug/L		98
22) iodomethane	6.916	142	164820	51.61	ug/L		98
23) iso-butyl alcohol	10.303	41	32729	402.28	ug/L		97
24) carbon disulfide	7.026	76	323087	51.32	ug/L		99
25) methylene chloride	7.456	84	93576	52.39	ug/L		96
26) 1-chloropropane	7.461	41	34838	46.26	ug/L	#	92
27) methyl acetate	7.225	74	13527	54.64	ug/L		89
28) methyl tert butyl ether	7.797	73	251166	51.75	ug/L		99
29) trans-1,2-dichloroethene	7.860	61	113449	52.90	ug/L		97
30) di-isopropyl ether	8.483	45	248111	49.12	ug/L		98
31) ethyl tert-butyl ether	9.008	59	259090	51.04	ug/L		97
32) 2-butanone	9.354	72	9422	55.65	ug/L		77
33) 1,1-dichloroethane	8.531	63	140233	52.93	ug/L		99
34) chloroprene	8.630	53	99553	49.57	ug/L		99
35) acrylonitrile	7.880	53	160548	271.96	ug/L		99
36) vinyl acetate	8.531	86	10382	54.14	ug/L		90
37) ethyl acetate	9.359	45	11896	46.50	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	119608	52.42	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	140990	52.88	ug/L		99
40) propionitrile	9.501	54	132460	544.65	ug/L		99
41) methyl acrylate	9.438	55	87031	47.76	ug/L	#	97
42) bromochloromethane	9.705	128	44056	53.33	ug/L		92
43) tetrahydrofuran	9.731	42	29217	44.49	ug/L		96
44) chloroform	9.778	83	138848	51.43	ug/L		99
47) freon 113	6.549	151	66084	52.81	ug/L		94
48) methacrylonitrile	9.674	41	103933	43.12	ug/L		93
49) 1,1,1-trichloroethane	10.009	97	129089	51.45	ug/L		100
50) tert-amyl methyl ether	10.512	73	252271	49.49	ug/L		97
52) epichlorohydrin	12.217	57	38855	237.61	ug/L		97
53) n-butyl alcohol	11.089	56	138887	2586.29	ug/L		99
54) cyclohexane	10.051	84	122513	51.30	ug/L	#	1
55) carbon tetrachloride	10.208	117	117243	51.64	ug/L		99
56) 1,1-dichloropropene	10.193	75	97944	51.49	ug/L		98
57) hexane	8.169	57	85314	48.39	ug/L		98
58) benzene	10.481	78	287394	50.81	ug/L		99
59) isooctane	10.444	57	306396	53.83	ug/L		95
60) heptane	10.638	57	45836	49.63	ug/L		97
61) isopropyl acetate	10.439	43	186824m	35.30	ug/L		
62) 1,2-dichloroethane	10.533	62	91352	54.12	ug/L		99
63) trichloroethene	11.231	95	71999	50.42	ug/L		98
65) 2-nitropropane	12.075	43	157690	46.89	ug/L		95
66) 2-chloroethyl vinyl ether	12.075	63	224615	249.55	ug/L		98
67) methyl methacrylate	11.535	69	47069	50.85	ug/L		89
68) 1,2-dichloropropane	11.524	63	71959	52.25	ug/L		99
69) methylcyclohexane	11.420	83	130313	50.28	ug/L		97
70) dibromomethane	11.692	93	49908	51.44	ug/L		99
71) bromodichloromethane	11.829	83	97093	50.86	ug/L		98
72) cis-1,3-dichloropropene	12.285	75	107187	51.94	ug/L		99
74) 4-methyl-2-pentanone	12.390	58	32341	53.69	ug/L	#	24
75) toluene	12.625	92	148104	50.93	ug/L		100
76) 3-methyl-1-butanol	12.437	70	48657	1058.56	ug/L		96
77) trans-1,3-dichloropropene	12.861	75	96271	51.28	ug/L		99
78) ethyl methacrylate	12.840	69	87010	50.94	ug/L		95
79) 1,1,2-trichloroethane	13.082	83	54932	51.51	ug/L		98
80) 2-hexanone	13.249	58	28412	52.49	ug/L		96
82) tetrachloroethene	13.202	166	65576	51.17	ug/L		98
83) 1,3-dichloropropane	13.260	76	91713	52.08	ug/L		99
84) butyl acetate	13.318	56	45775	44.75	ug/L		99
85) dibromochloromethane	13.527	129	78682	51.98	ug/L		100
86) 1,2-dibromoethane	13.674	107	68806	51.66	ug/L		100
87) chlorobenzene	14.130	112	169790	50.45	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	78138	52.24	ug/L		99
89) ethylbenzene	14.183	91	302149	50.41	ug/L		100
90) m,p-xylene	14.293	106	223253	102.57	ug/L		97
91) o-xylene	14.728	106	120169	51.18	ug/L		97
92) styrene	14.744	104	189700	49.94	ug/L		99
93) bromoform	15.037	173	60624	51.03	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration

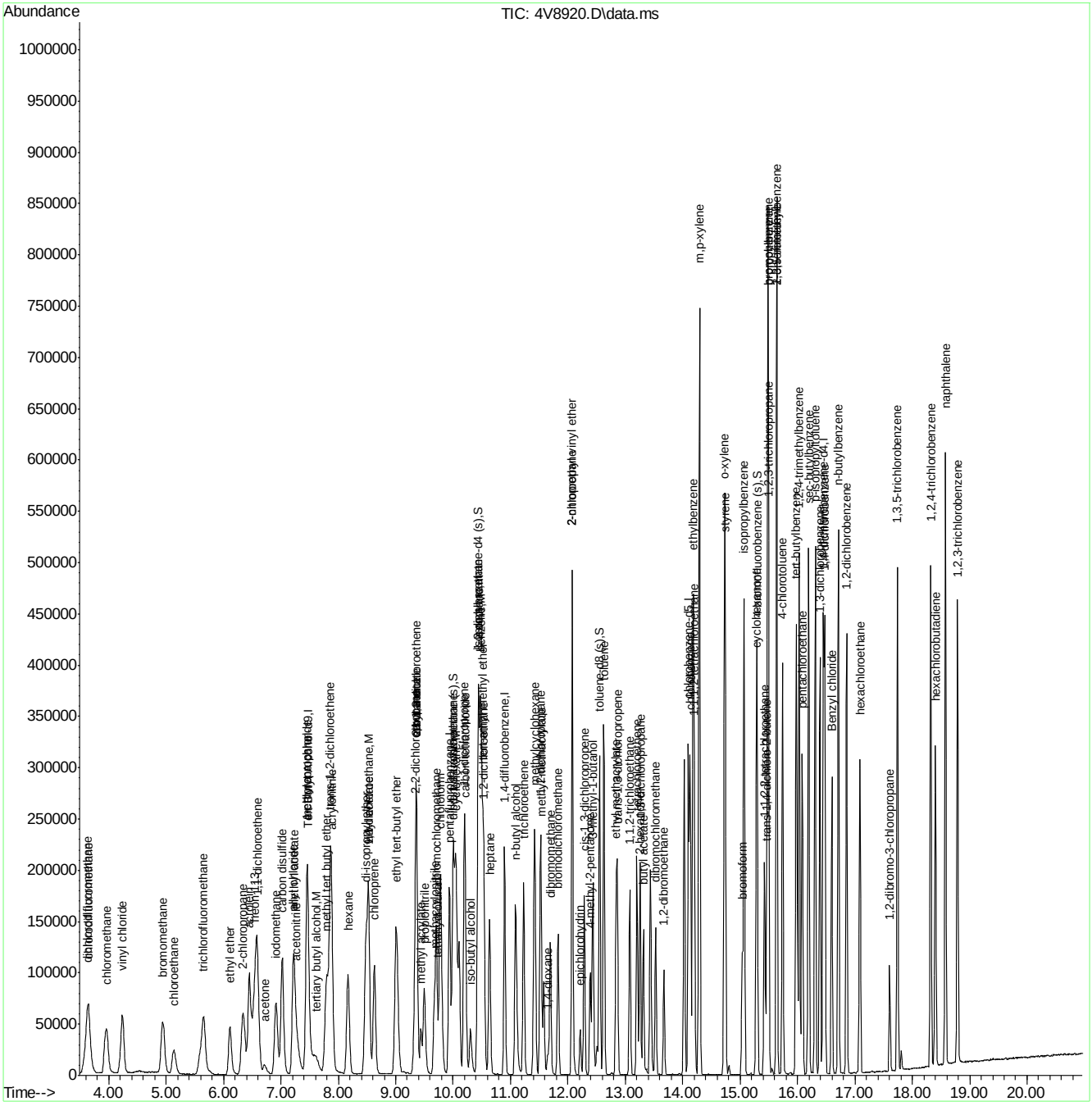
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	326859	51.06	ug/L	99
97) bromobenzene	15.488	156	80503	48.98	ug/L	94
98) cyclohexanone	15.284	55	102038	665.77	ug/L	94
99) 1,1,2,2-tetrachloroethane	15.425	83	114248	50.68	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	26861	52.55	ug/L	92
101) 1,2,3-trichloropropane	15.499	110	23340	51.94	ug/L	99
102) n-propylbenzene	15.488	91	372084	48.94	ug/L	100
103) 2-chlorotoluene	15.640	126	75828	49.27	ug/L	93
104) 4-chlorotoluene	15.740	91	228602	49.15	ug/L	99
105) 1,3,5-trimethylbenzene	15.635	105	278752	50.10	ug/L	100
106) tert-butylbenzene	15.981	119	259009	55.12	ug/L	98
107) pentachloroethane	16.081	167	60382	52.28	ug/L	97
108) 1,2,4-trimethylbenzene	16.028	105	276640	49.33	ug/L	96
109) sec-butylbenzene	16.191	105	384025	50.90	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	163387	49.76	ug/L	99
111) p-isopropyltoluene	16.311	119	304388	48.90	ug/L	99
112) 1,4-dichlorobenzene	16.474	146	166243	49.75	ug/L	100
114) 1,2-dichlorobenzene	16.857	146	169771	50.27	ug/L	99
115) n-butylbenzene	16.710	92	168903	50.08	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	25386	48.50	ug/L	97
117) 1,3,5-trichlorobenzene	17.743	180	147450	52.67	ug/L	99
118) 1,2,4-trichlorobenzene	18.325	180	141571	52.72	ug/L	100
119) hexachlorobutadiene	18.403	225	63208	52.29	ug/L	96
120) naphthalene	18.576	128	410981	52.78	ug/L	100
121) 1,2,3-trichlorobenzene	18.791	180	136630	53.08	ug/L	100
122) hexachloroethane	17.087	119	71778	51.33	ug/L	96
123) Benzyl chloride	16.600	91	207946	49.99	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 14:52:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration



M4V368.M Wed Jun 18 15:03:33 2014 RPT1 Page: 4

ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

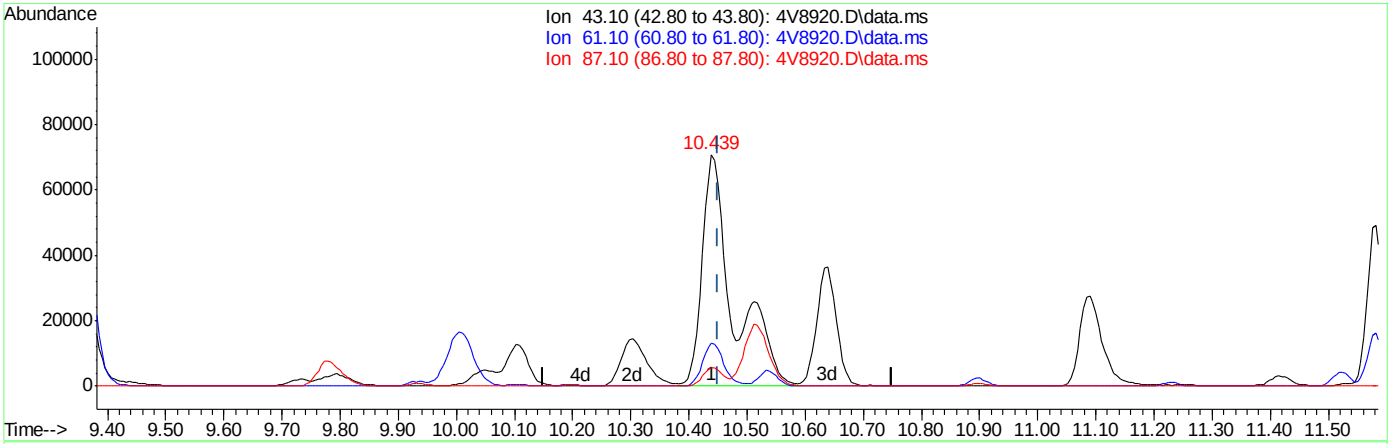
Sample Number:	V4V368-ICC368	**Method:**	SW846 8260B
Lab FileID:	4V8920.D	**Analyst approved:**	06/18/14 15:05 Juntae Park
Injection Time:	06/17/14 14:31	**Supervisor approved:**	06/18/14 18:04 Jessica Reitan-Chu

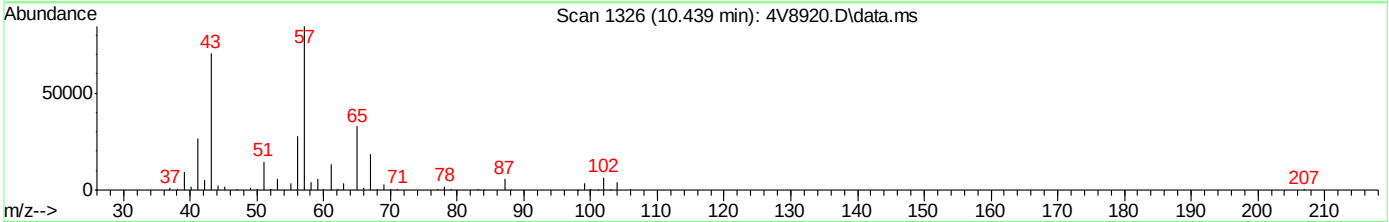
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

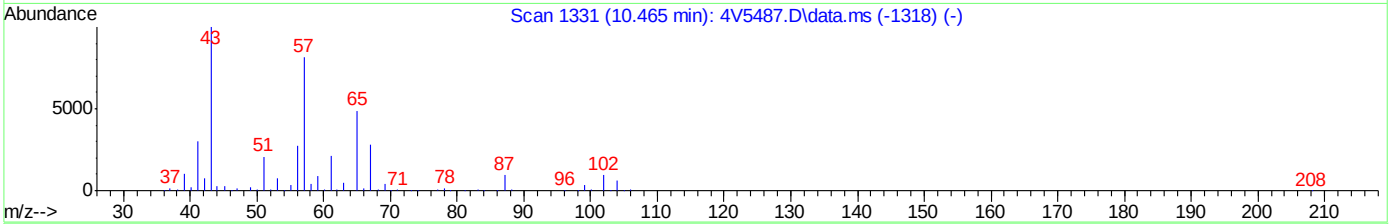
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 08:27:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration







TIC: 4V8920.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 49.85ug/L

response 263782

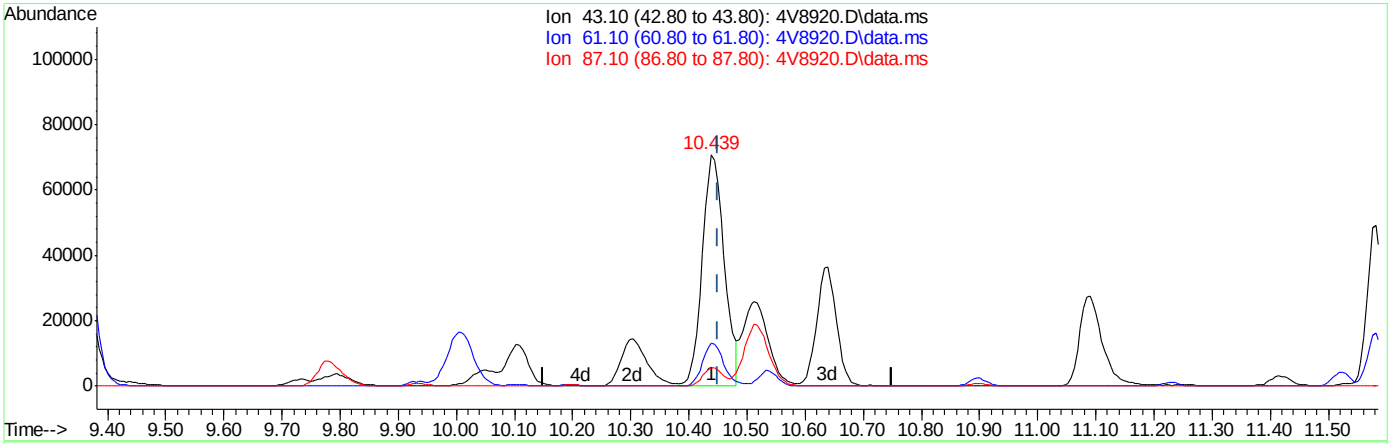
Ion	Exp%	Act%
43.10	100	100
61.10	19.30	12.90
87.10	8.10	5.68
0.00	0.00	0.00

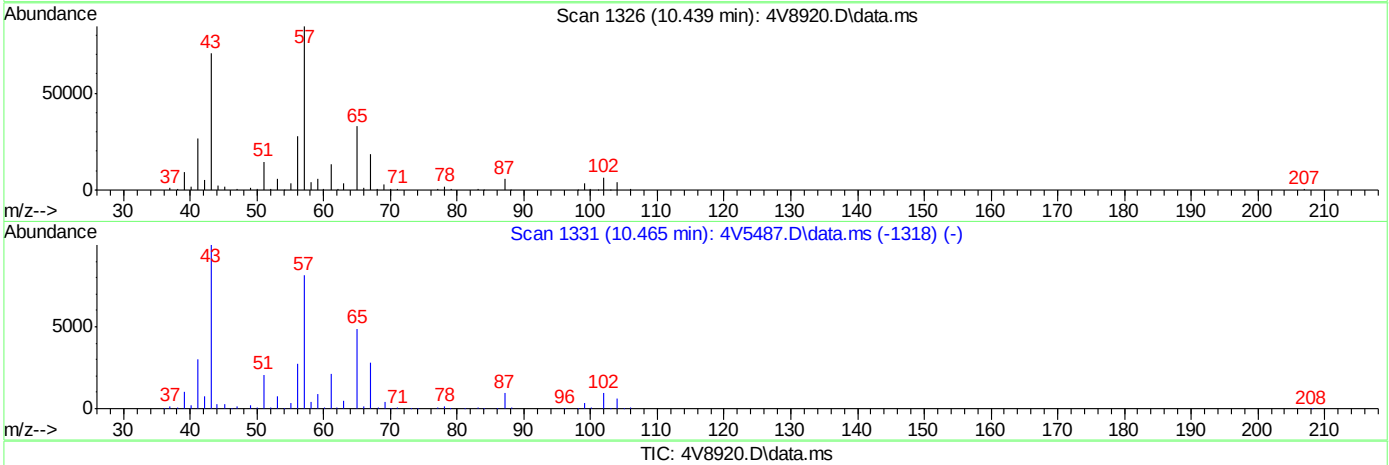
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8920.D
Acq On : 17 Jun 2014 2:31 pm
Operator : BenM
Sample : icc368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 08:27:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Tue Jun 17 08:04:06 2014
Response via : Initial Calibration





TIC: 4V8920.D\data.ms

(61) isopropyl acetate

10.439min (-0.011) 35.30ug/L m

response 186824

Ion	Exp%	Act%
43.10	100	100
61.10	19.30	18.21
87.10	8.10	8.02
0.00	0.00	0.00

4V8920.D edits: isopropyl acetate

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.461	65	124074	500.00	ug/L		0.00
4) pentafluorobenzene	9.935	168	170188	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	231134	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	204290	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.447	152	120199	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.998	113	156609	99.50	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 199.00%#				
46) 1,2-dichloroethane-d4 (s)	10.439	65	156550	102.80	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 205.60%#				
73) toluene-d8 (s)	12.552	98	504377	107.99	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 215.98%#				
96) 4-bromofluorobenzene (s)	15.294	95	201187	104.05	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 208.10%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	51906	2569.66	ug/L	#	99
3) tertiary butyl alcohol	7.608	59	123788	507.59	ug/L		96
6) chlorodifluoromethane	3.639	51	243791	99.82	ug/L		99
7) dichlorodifluoromethane	3.628	85	286038	102.52	ug/L		98
9) chloromethane	3.964	50	268585	107.37	ug/L		99
10) vinyl chloride	4.242	62	292156	106.12	ug/L		99
11) bromomethane	4.939	94	168622	100.13	ug/L		99
12) chloroethane	5.133	64	103549	99.33	ug/L		99
13) trichlorofluoromethane	5.652	101	305462	103.64	ug/L		97
14) ethyl ether	6.108	74	73613	100.53	ug/L		95
16) 2-chloropropane	6.339	43	260484	99.31	ug/L	#	93
18) 1,1-dichloroethene	6.585	61	270160	102.52	ug/L		98
19) acetone	6.711	58	15425	97.30	ug/L		93
20) allyl chloride	7.214	76	72584	102.25	ug/L		97
21) acetonitrile	7.256	40	151197	969.26	ug/L		99
22) iodomethane	6.915	142	343845	102.57	ug/L		99
23) iso-butyl alcohol	10.303	41	64156	963.77	ug/L		95
24) carbon disulfide	7.020	76	667515	101.58	ug/L		99
25) methylene chloride	7.456	84	194483	102.18	ug/L		99
26) 1-chloropropane	7.461	41	71673	101.15	ug/L		93
27) methyl acetate	7.220	74	27233	98.98	ug/L		100
28) methyl tert butyl ether	7.802	73	521065	102.00	ug/L		99
29) trans-1,2-dichloroethene	7.854	61	227600	98.64	ug/L		99
30) di-isopropyl ether	8.483	45	514081	101.87	ug/L		99
31) ethyl tert-butyl ether	9.007	59	539640	102.41	ug/L		98
32) 2-butanone	9.348	72	20465	106.79	ug/L		97
33) 1,1-dichloroethane	8.525	63	286047	100.29	ug/L		100
34) chloroprene	8.630	53	201058	99.30	ug/L		99
35) acrylonitrile	7.880	53	329617	504.71	ug/L		99
36) vinyl acetate	8.530	86	23206	109.90	ug/L		91
37) ethyl acetate	9.359	45	26044	107.64	ug/L		80
38) 2,2-dichloropropane	9.343	77	242168	99.55	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	cis-1,2-dichloroethene	9.359	61	284554	99.23	ug/L		98
40)	propionitrile	9.495	54	270281	1003.23	ug/L		97
41)	methyl acrylate	9.443	55	191803	108.36	ug/L	#	99
42)	bromochloromethane	9.705	128	88748	99.04	ug/L		93
43)	tetrahydrofuran	9.726	42	61134	102.88	ug/L		99
44)	chloroform	9.773	83	280639	99.38	ug/L		99
47)	freon 113	6.548	151	137884	102.59	ug/L		95
48)	methacrylonitrile	9.668	41	218739	103.48	ug/L		99
49)	1,1,1-trichloroethane	10.009	97	265445	101.10	ug/L		99
50)	tert-amyl methyl ether	10.517	73	532245	103.73	ug/L		99
52)	epichlorohydrin	12.216	57	90725	537.27	ug/L		98
53)	n-butyl alcohol	11.089	56	290361	4810.45	ug/L		100
54)	cyclohexane	10.051	84	251903	94.62	ug/L	#	100
55)	carbon tetrachloride	10.208	117	239723	94.09	ug/L		98
56)	1,1-dichloropropene	10.192	75	201022	94.45	ug/L		99
57)	hexane	8.163	57	173642	93.66	ug/L		99
58)	benzene	10.481	78	606976	97.19	ug/L		99
59)	isooctane	10.449	57	641077	96.29	ug/L		100
60)	heptane	10.638	57	98855	99.25	ug/L		99
61)	isopropyl acetate	10.444	43	415973m	72.57	ug/L		
62)	1,2-dichloroethane	10.538	62	193506	97.48	ug/L		97
63)	trichloroethene	11.231	95	157895	100.92	ug/L		99
65)	2-nitropropane	12.075	43	373066	108.87	ug/L		99
66)	2-chloroethyl vinyl ether	12.075	63	533796	546.82	ug/L		99
67)	methyl methacrylate	11.535	69	113628	111.09	ug/L		99
68)	1,2-dichloropropane	11.524	63	161474	103.27	ug/L		100
69)	methylcyclohexane	11.419	83	272430	96.21	ug/L		99
70)	dibromomethane	11.697	93	115766	106.75	ug/L		97
71)	bromodichloromethane	11.833	83	222084	105.26	ug/L		99
72)	cis-1,3-dichloropropene	12.284	75	260789	111.97	ug/L		99
74)	4-methyl-2-pentanone	12.389	58	74716	106.32	ug/L		96
75)	toluene	12.625	92	352130	109.41	ug/L		98
76)	3-methyl-1-butanol	12.436	70	102594	1940.64	ug/L		99
77)	trans-1,3-dichloropropene	12.861	75	229887	109.89	ug/L		100
78)	ethyl methacrylate	12.840	69	202505	107.10	ug/L		99
79)	1,1,2-trichloroethane	13.081	83	130875	109.64	ug/L		100
80)	2-hexanone	13.249	58	65749	106.49	ug/L		100
82)	tetrachloroethene	13.207	166	154364	103.29	ug/L		97
83)	1,3-dichloropropane	13.260	76	218558	104.57	ug/L		100
84)	butyl acetate	13.317	56	103728	99.43	ug/L		99
85)	dibromochloromethane	13.527	129	189007	105.40	ug/L		99
86)	1,2-dibromoethane	13.674	107	161757	103.15	ug/L		98
87)	chlorobenzene	14.135	112	393515	101.70	ug/L		98
88)	1,1,1,2-tetrachloroethane	14.203	131	171224	96.15	ug/L		99
89)	ethylbenzene	14.182	91	680651	98.85	ug/L		99
90)	m,p-xylene	14.292	106	506567	199.12	ug/L		100
91)	o-xylene	14.728	106	269491	98.40	ug/L		99
92)	styrene	14.743	104	442433	102.34	ug/L		100
93)	bromoform	15.037	173	144479	104.57	ug/L		99
95)	isopropylbenzene	15.074	105	719964	99.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

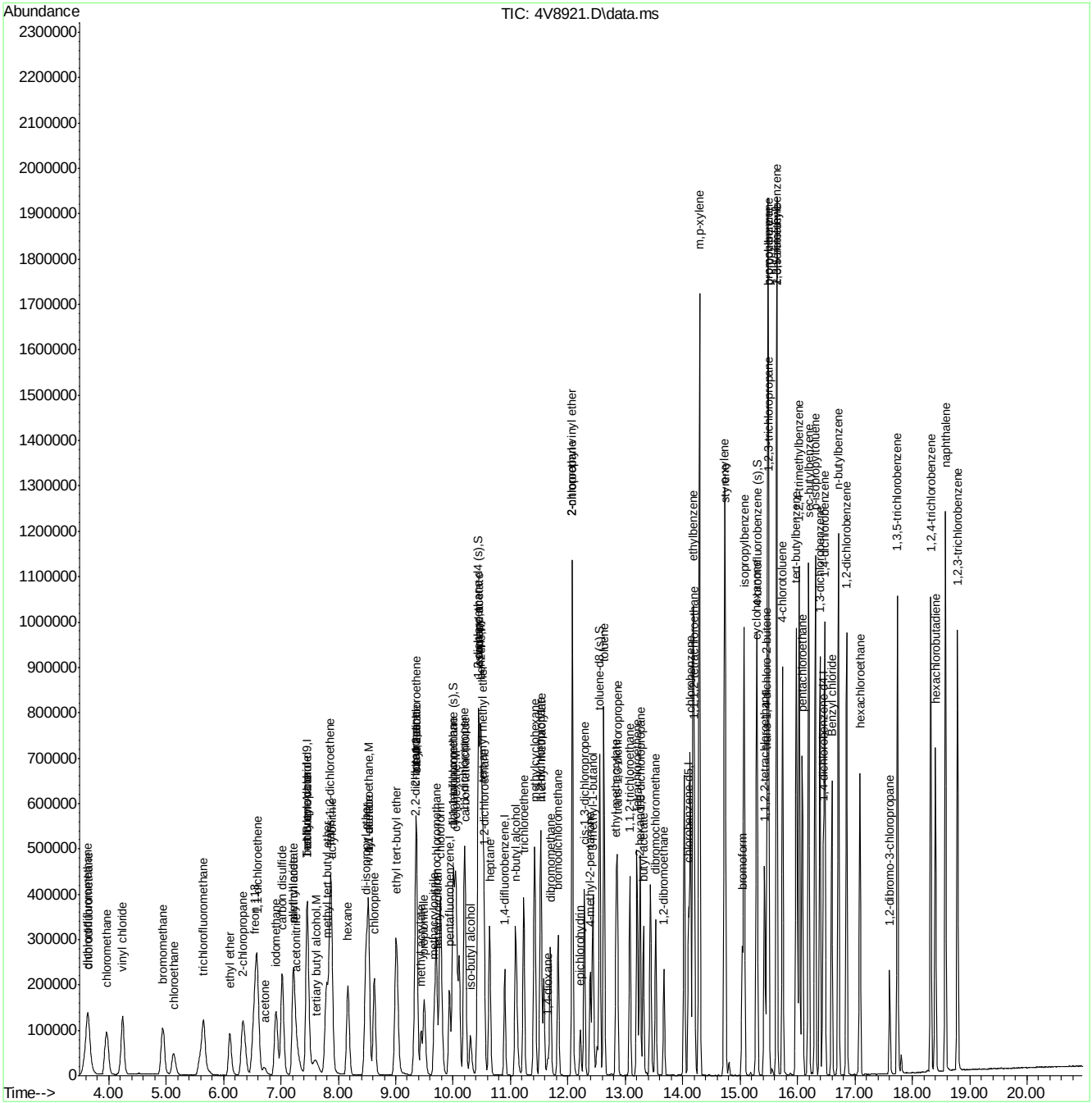
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	189191	106.46	ug/L	99
98)	cyclohexanone	15.283	55	240892	1069.41	ug/L	100
99)	1,1,2,2-tetrachloroethane	15.425	83	255542	101.32	ug/L	100
100)	trans-1,4-dichloro-2-b...	15.467	53	61019	102.90	ug/L	92
101)	1,2,3-trichloropropane	15.498	110	53478	103.79	ug/L	99
102)	n-propylbenzene	15.488	91	831458	101.22	ug/L	98
103)	2-chlorotoluene	15.640	126	171171	102.26	ug/L	96
104)	4-chlorotoluene	15.740	91	520735	103.19	ug/L	100
105)	1,3,5-trimethylbenzene	15.635	105	623464	101.32	ug/L	100
106)	tert-butylbenzene	15.981	119	522141	91.32	ug/L	98
107)	pentachloroethane	16.080	167	136022	102.04	ug/L	98
108)	1,2,4-trimethylbenzene	16.028	105	619339	101.41	ug/L	97
109)	sec-butylbenzene	16.190	105	859713	101.41	ug/L	99
110)	1,3-dichlorobenzene	16.390	146	372248	103.20	ug/L	99
111)	p-isopropyltoluene	16.311	119	682777	101.61	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	378750	103.20	ug/L	98
114)	1,2-dichlorobenzene	16.856	146	387327	103.35	ug/L	99
115)	n-butylbenzene	16.715	92	376208	100.90	ug/L	99
116)	1,2-dibromo-3-chloropr...	17.606	75	54763	97.72	ug/L	99
117)	1,3,5-trichlorobenzene	17.742	180	322418	99.05	ug/L	100
118)	1,2,4-trichlorobenzene	18.324	180	304441	97.41	ug/L	99
119)	hexachlorobutadiene	18.403	225	141553	101.45	ug/L	99
120)	naphthalene	18.576	128	866871	95.55	ug/L	100
121)	1,2,3-trichlorobenzene	18.786	180	288693	95.71	ug/L	98
122)	hexachloroethane	17.087	119	155559	98.17	ug/L	99
123)	Benzyl chloride	16.599	91	463582	100.99	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 14:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8921.D
Injection Time: 06/17/14 14:58

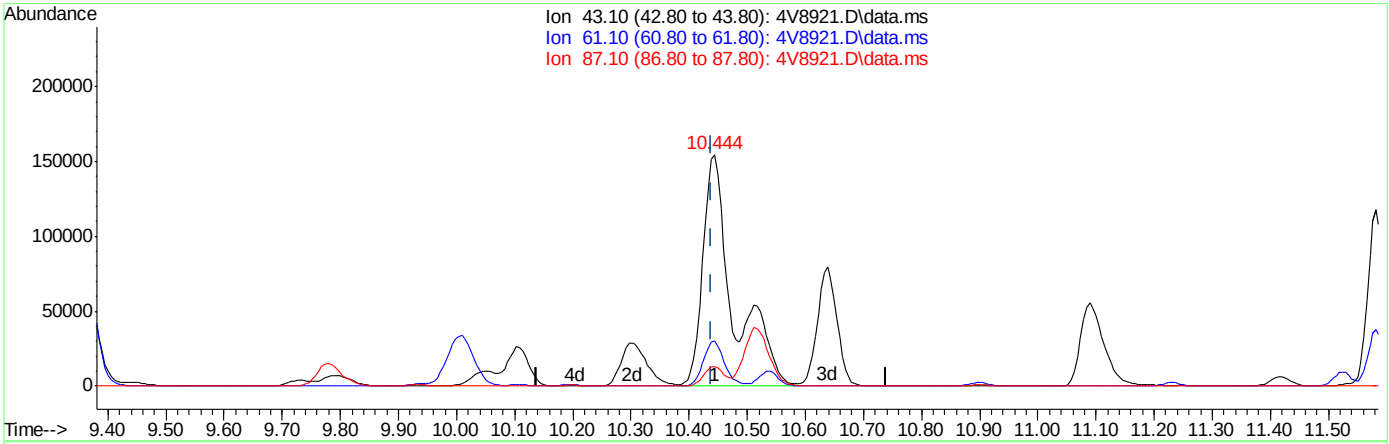
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

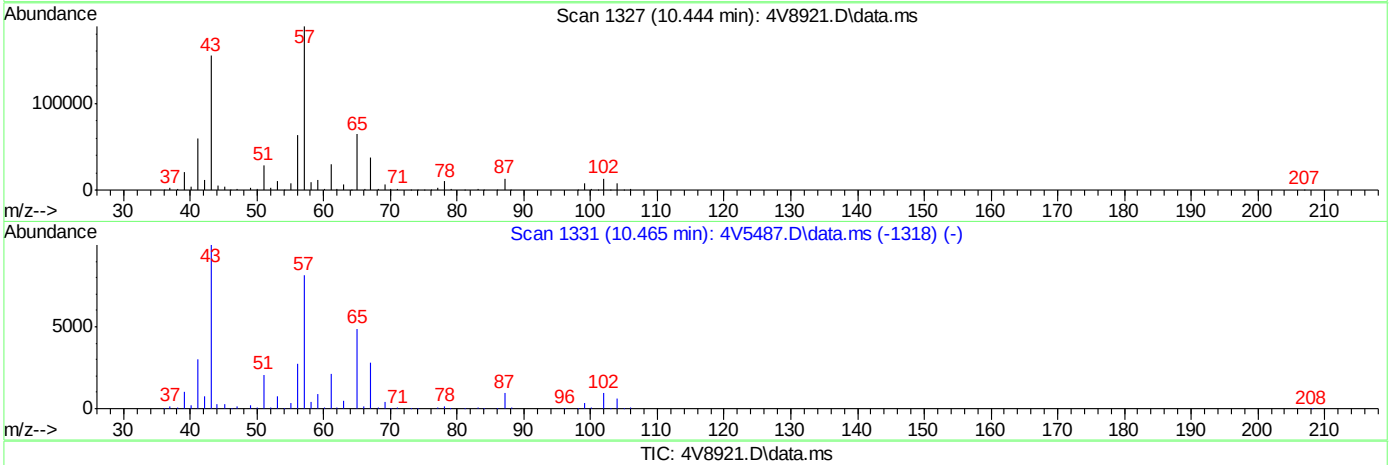
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 09:57:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8921.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 99.07ug/L

response 567865

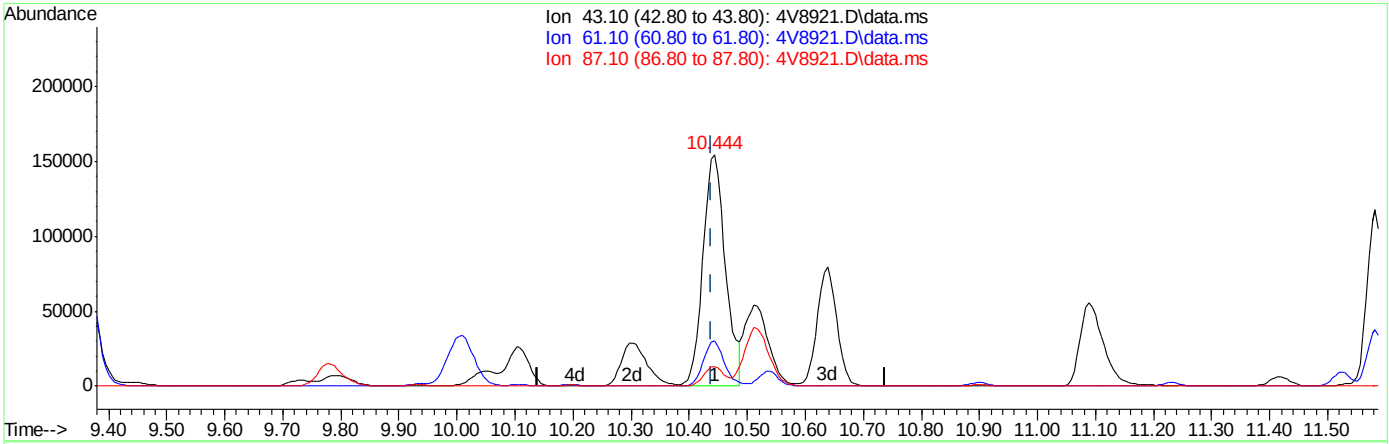
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.60
87.10	5.70	6.00
0.00	0.00	0.00

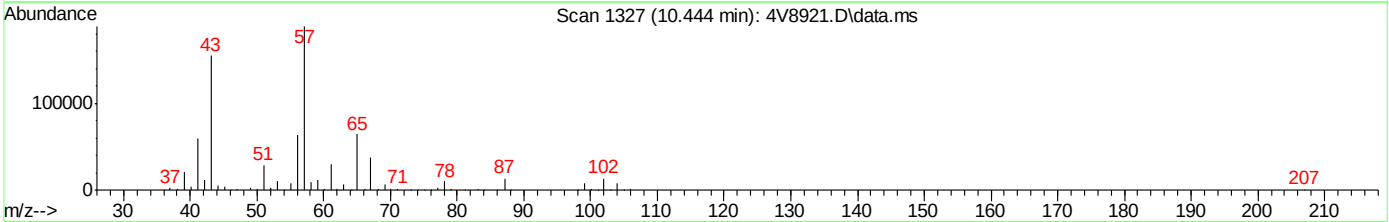
ACCUTEST LABORATORIES JB69123

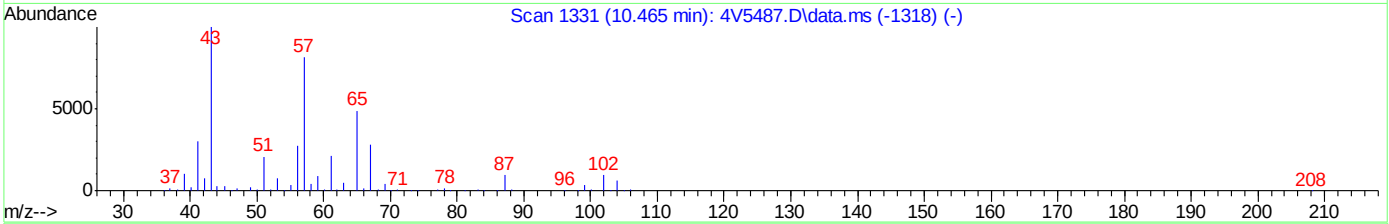
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8921.D
Acq On : 17 Jun 2014 2:58 pm
Operator : BenM
Sample : ic368-100
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 09:57:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration







TIC: 4V8921.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 72.57ug/L m

response 415973

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.56
87.10	5.70	8.19
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.471	65	139767	500.00	ug/L		0.00
4) pentafluorobenzene	9.936	168	170250	50.00	ug/L		0.00
51) 1,4-difluorobenzene	10.900	114	227913	50.00	ug/L		0.00
81) chlorobenzene-d5	14.104	117	215471	50.00	ug/L		0.00
94) 1,4-dichlorobenzene-d4	16.453	152	129272	50.00	ug/L		0.00
System Monitoring Compounds							
45) dibromofluoromethane (s)	9.993	113	318661	202.38	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 404.76%#				
46) 1,2-dichloroethane-d4 (s)	10.439	65	309581	203.21	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 406.42%#				
73) toluene-d8 (s)	12.552	98	1003222	217.84	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 435.68%#				
96) 4-bromofluorobenzene (s)	15.294	95	426898	205.28	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 410.56%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.650	88	112706	4953.15	ug/L	#	99
3) tertiary butyl alcohol	7.608	59	263856	960.46	ug/L		97
6) chlorodifluoromethane	3.639	51	506844	207.46	ug/L		99
7) dichlorodifluoromethane	3.618	85	581455	208.32	ug/L		99
9) chloromethane	3.974	50	560176	223.85	ug/L		99
10) vinyl chloride	4.242	62	607908	220.73	ug/L		100
11) bromomethane	4.939	94	330021	195.89	ug/L		99
12) chloroethane	5.123	64	179328	171.96	ug/L		99
13) trichlorofluoromethane	5.642	101	640330	217.18	ug/L		98
14) ethyl ether	6.108	74	150559	205.54	ug/L		96
16) 2-chloropropane	6.339	43	538777	205.33	ug/L	#	92
18) 1,1-dichloroethene	6.585	61	561139	212.87	ug/L		98
19) acetone	6.706	58	32977	207.95	ug/L		87
20) allyl chloride	7.209	76	148738	209.46	ug/L		89
21) acetonitrile	7.251	40	309181	1981.30	ug/L		93
22) iodomethane	6.910	142	712694	212.52	ug/L		99
23) iso-butyl alcohol	10.303	41	134401	2018.28	ug/L		96
24) carbon disulfide	7.021	76	1406335	213.93	ug/L		99
25) methylene chloride	7.456	84	397882	208.98	ug/L		100
26) 1-chloropropane	7.461	41	150924	212.92	ug/L	#	84
27) methyl acetate	7.220	74	55450	201.47	ug/L		94
28) methyl tert butyl ether	7.802	73	1039453	203.40	ug/L		100
29) trans-1,2-dichloroethene	7.854	61	464662	201.30	ug/L		99
30) di-isopropyl ether	8.483	45	1035638	205.15	ug/L		99
31) ethyl tert-butyl ether	9.008	59	1096742	208.05	ug/L		99
32) 2-butanone	9.348	72	40433	210.91	ug/L		97
33) 1,1-dichloroethane	8.525	63	578635	202.80	ug/L		99
34) chloroprene	8.625	53	411777	203.29	ug/L		99
35) acrylonitrile	7.880	53	656161	1004.35	ug/L		99
36) vinyl acetate	8.531	86	46173	218.58	ug/L		89
37) ethyl acetate	9.359	45	49573	204.81	ug/L		90
38) 2,2-dichloropropane	9.343	77	491264	201.87	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,2-dichloroethene	9.359	61	576706	201.04	ug/L		99
40) propionitrile	9.501	54	539934	2003.40	ug/L		99
41) methyl acrylate	9.443	55	376577	212.66	ug/L	#	99
42) bromochloromethane	9.705	128	180676	201.56	ug/L		98
43) tetrahydrofuran	9.726	42	127028	213.69	ug/L		98
44) chloroform	9.773	83	565948	200.33	ug/L		100
47) freon 113	6.538	151	285503	212.34	ug/L		94
48) methacrylonitrile	9.668	41	428601	202.68	ug/L		98
49) 1,1,1-trichloroethane	10.004	97	546519	208.08	ug/L		99
50) tert-amyl methyl ether	10.518	73	1083897	211.17	ug/L		99
52) epichlorohydrin	12.216	57	187753	1127.57	ug/L		100
53) n-butyl alcohol	11.089	56	610564	10258.25	ug/L		99
54) cyclohexane	10.051	84	522299	198.96	ug/L	#	100
55) carbon tetrachloride	10.208	117	501504	199.63	ug/L		99
56) 1,1-dichloropropene	10.193	75	413391	196.98	ug/L		99
57) hexane	8.164	57	355035	194.22	ug/L		97
58) benzene	10.481	78	1207294	196.05	ug/L		99
59) isooctane	10.450	57	1346716	205.13	ug/L		99
60) heptane	10.638	57	198628	202.24	ug/L		98
61) isopropyl acetate	10.439	43	821963m	145.43	ug/L		
62) 1,2-dichloroethane	10.533	62	377695	192.96	ug/L		99
63) trichloroethene	11.231	95	311425	201.86	ug/L		99
65) 2-nitropropane	12.080	43	745907	220.76	ug/L		99
66) 2-chloroethyl vinyl ether	12.080	63	1079810	1121.79	ug/L		99
67) methyl methacrylate	11.535	69	227717	225.78	ug/L		98
68) 1,2-dichloropropane	11.524	63	317067	205.64	ug/L		99
69) methylcyclohexane	11.419	83	574610	205.79	ug/L		99
70) dibromomethane	11.692	93	222183	207.77	ug/L		99
71) bromodichloromethane	11.828	83	425953	204.74	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	514891	224.19	ug/L		99
74) 4-methyl-2-pentanone	12.389	58	149049	215.08	ug/L		98
75) toluene	12.625	92	701708	221.12	ug/L		99
76) 3-methyl-1-butanol	12.437	70	220305	4226.13	ug/L		99
77) trans-1,3-dichloropropene	12.861	75	468475	227.10	ug/L		99
78) ethyl methacrylate	12.840	69	417876	224.14	ug/L		100
79) 1,1,2-trichloroethane	13.082	83	264428	224.65	ug/L		99
80) 2-hexanone	13.249	58	141674	232.71	ug/L		98
82) tetrachloroethene	13.207	166	316939	201.07	ug/L		98
83) 1,3-dichloropropane	13.260	76	451402	204.76	ug/L		99
84) butyl acetate	13.317	56	216978	197.20	ug/L		99
85) dibromochloromethane	13.527	129	390669	206.56	ug/L		100
86) 1,2-dibromoethane	13.674	107	336609	203.52	ug/L		98
87) chlorobenzene	14.135	112	829626	203.27	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.204	131	346931	184.71	ug/L		99
89) ethylbenzene	14.183	91	1419940	195.51	ug/L		99
90) m,p-xylene	14.293	106	1056281	393.66	ug/L		100
91) o-xylene	14.728	106	556931	192.81	ug/L		99
92) styrene	14.744	104	924024	202.64	ug/L		99
93) bromoform	15.037	173	303612	208.35	ug/L		99
95) isopropylbenzene	15.074	105	1496142	192.79	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration

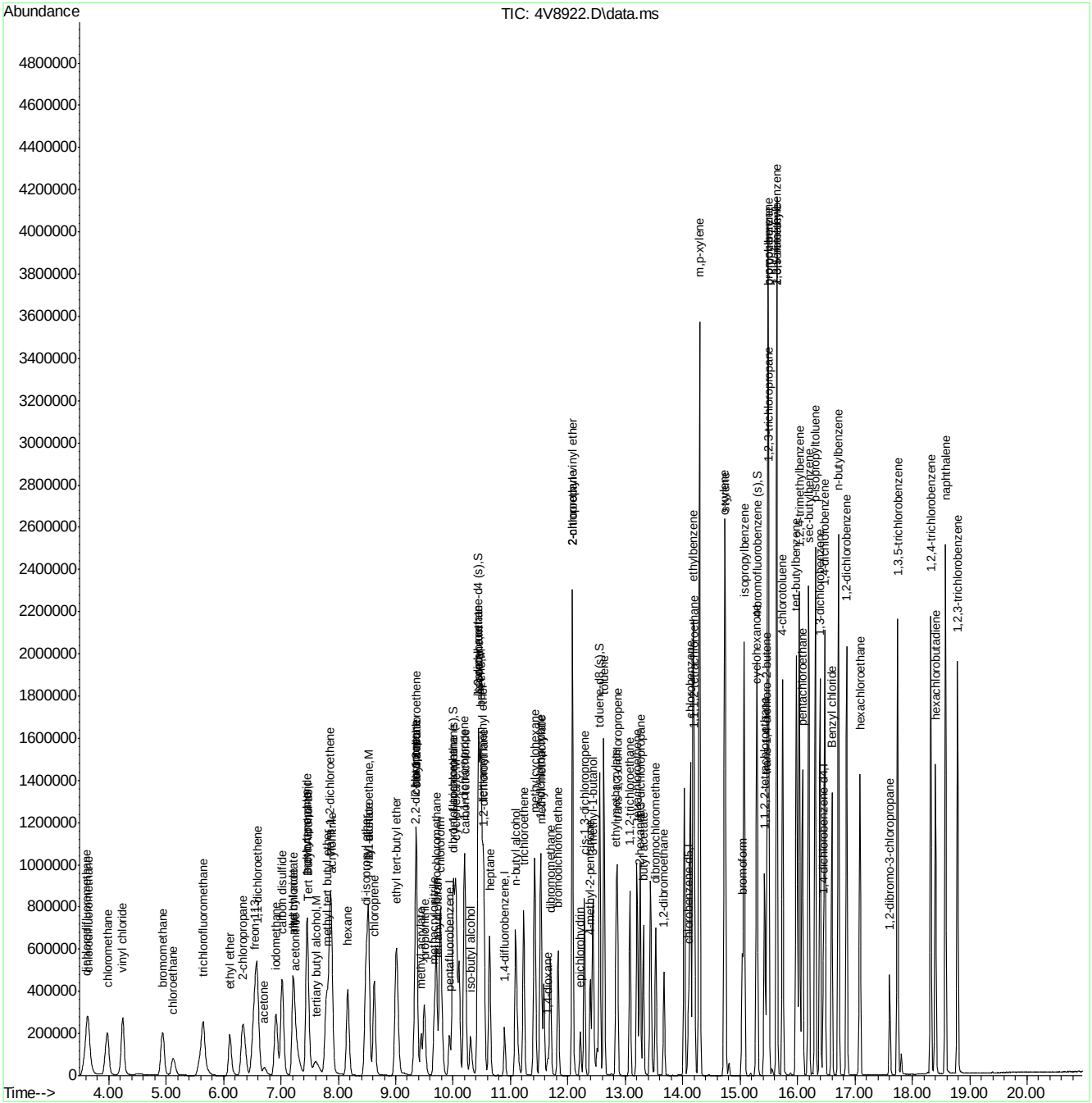
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	bromobenzene	15.488	156	401154	209.88	ug/L	100
98)	cyclohexanone	15.284	55	456494	1884.32	ug/L	99
99)	1,1,2,2-tetrachloroethane	15.425	83	536013	197.61	ug/L	100
100)	trans-1,4-dichloro-2-b...	15.467	53	125509	196.80	ug/L	91
101)	1,2,3-trichloropropane	15.499	110	110267	198.99	ug/L	100
102)	n-propylbenzene	15.488	91	1746910	197.75	ug/L	98
103)	2-chlorotoluene	15.640	126	361381	200.73	ug/L	98
104)	4-chlorotoluene	15.740	91	1098620	202.42	ug/L	99
105)	1,3,5-trimethylbenzene	15.640	105	1310256	197.98	ug/L	100
106)	tert-butylbenzene	15.981	119	1056710	171.84	ug/L	98
107)	pentachloroethane	16.086	167	283344	197.65	ug/L	97
108)	1,2,4-trimethylbenzene	16.033	105	1297562	197.56	ug/L	97
109)	sec-butylbenzene	16.196	105	1786264	195.91	ug/L	99
110)	1,3-dichlorobenzene	16.395	146	785266	202.43	ug/L	98
111)	p-isopropyltoluene	16.311	119	1462671	202.40	ug/L	99
112)	1,4-dichlorobenzene	16.474	146	803188	203.50	ug/L	100
114)	1,2-dichlorobenzene	16.857	146	814007	201.95	ug/L	99
115)	n-butylbenzene	16.715	92	801195	199.79	ug/L	98
116)	1,2-dibromo-3-chloropr...	17.606	75	114008	189.16	ug/L	96
117)	1,3,5-trichlorobenzene	17.748	180	671564	191.83	ug/L	100
118)	1,2,4-trichlorobenzene	18.325	180	623741	185.57	ug/L	99
119)	hexachlorobutadiene	18.403	225	300197	200.04	ug/L	98
120)	naphthalene	18.576	128	1776503	182.06	ug/L	99
121)	1,2,3-trichlorobenzene	18.791	180	595176	183.48	ug/L	99
122)	hexachloroethane	17.087	119	336704	197.58	ug/L	99
123)	Benzyl chloride	16.600	91	955023	193.44	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V4V368-IC368
Lab FileID: 4V8922.D
Injection Time: 06/17/14 15:24

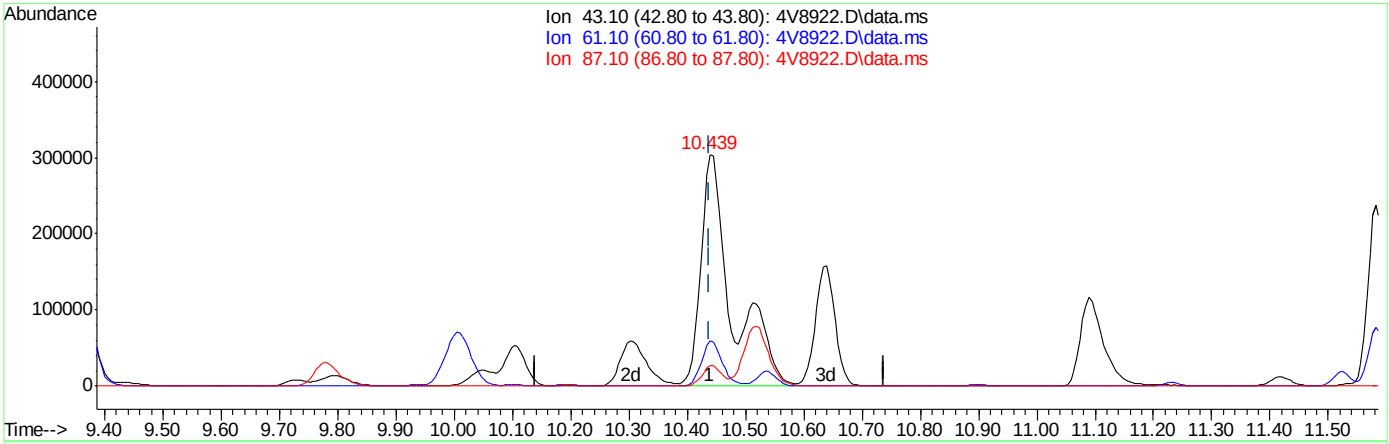
Method: SW846 8260B
Analyst approved: 06/18/14 15:05 Juntae Park
Supervisor approved: 06/18/14 18:04 Jessica Reitan-Chu

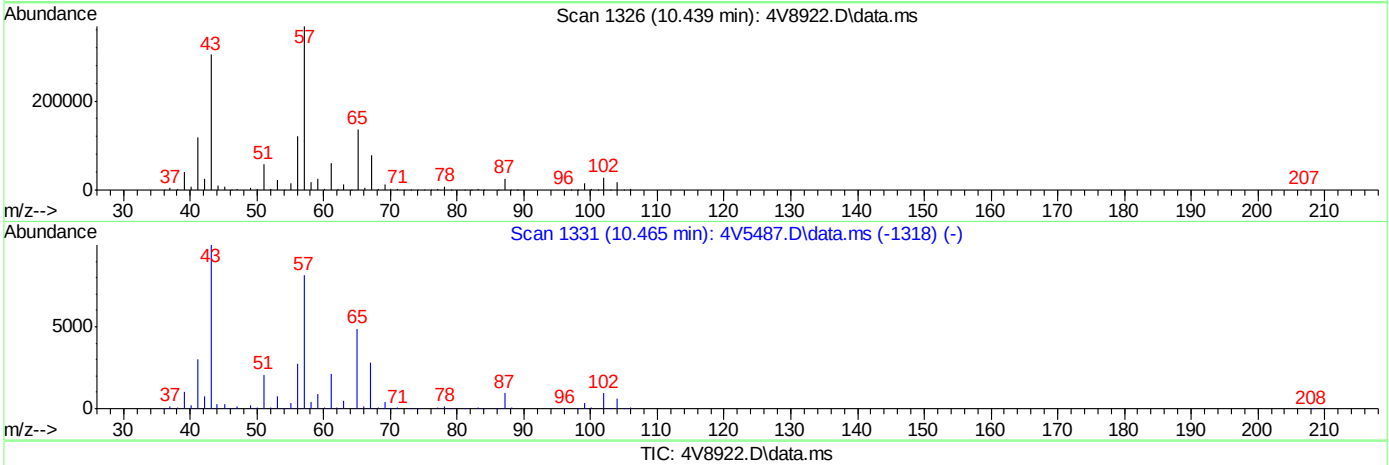
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 09:58:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8922.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 200.35ug/L

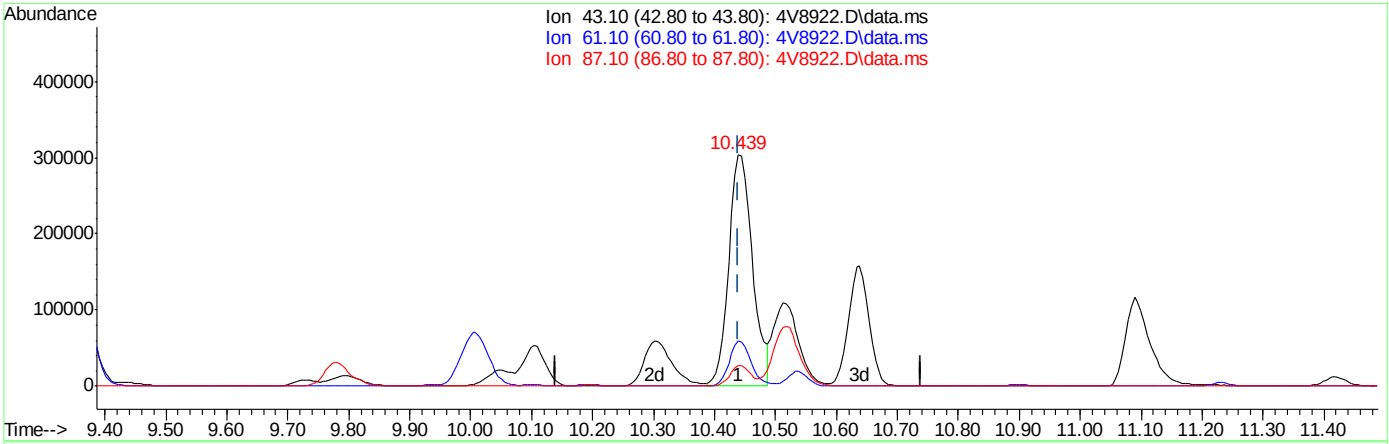
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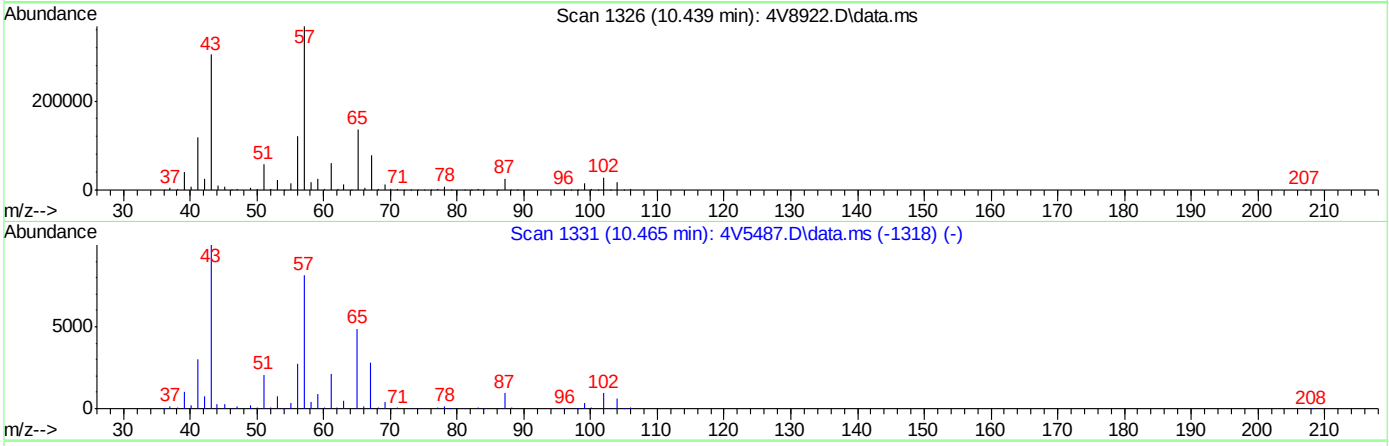
Ion	Exp%	Act%
43.10	100	100
61.10	12.90	13.19
87.10	5.70	5.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8922.D
Acq On : 17 Jun 2014 3:24 pm
Operator : BenM
Sample : ic368-200
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 14:53:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 08:29:29 2014
Response via : Initial Calibration





TIC: 4V8922.D\data.ms

(61) isopropyl acetate

10.439min (-0.000) 145.43ug/L m

response 821963

Ion	Exp%	Act%
43.10	100	100
61.10	12.90	18.17
87.10	5.70	8.18
0.00	0.00	0.00

4V8922.D edits: isopropyl acetate

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/18/14 18:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.461	65	130497	500.00	ug/L	0.00
4) pentafluorobenzene	9.936	168	171010	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	218883	50.00	ug/L	0.00
81) chlorobenzene-d5	14.104	117	188364	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	112575	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.999	113	79679	49.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.44%			
46) 1,2-dichloroethane-d4 (s)	10.439	65	75774	47.26	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 94.52%			
73) toluene-d8 (s)	12.552	98	228250	49.10	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 98.20%			
96) 4-bromofluorobenzene (s)	15.294	95	94250	48.18	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 96.36%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.656	88	26215	1284.85	ug/L #	99
3) tertiary butyl alcohol	7.592	59	65233	251.51	ug/L	95
6) chlorodifluoromethane	3.634	51	99141	40.03	ug/L	97
7) dichlorodifluoromethane	3.623	85	141944	52.01	ug/L	99
9) chloromethane	3.959	50	129930	48.31	ug/L	100
10) vinyl chloride	4.237	62	145795	51.56	ug/L	100
11) bromomethane	4.944	94	87445	48.19	ug/L	97
12) chloroethane	5.128	64	53602	52.21	ug/L	99
13) trichlorofluoromethane	5.652	101	155092	53.35	ug/L	99
14) ethyl ether	6.108	74	36738	51.88	ug/L	95
16) 2-chloropropane	6.334	43	133825	49.13	ug/L	99
17) acrolein	6.449	56	184773	488.20	ug/L	100
18) 1,1-dichloroethene	6.586	61	135802	51.55	ug/L	98
19) acetone	6.706	58	8089	54.95	ug/L	98
20) allyl chloride	7.215	76	37300	51.69	ug/L	92
21) acetonitrile	7.251	40	79406	524.31	ug/L	92
22) iodomethane	6.911	142	172924	50.72	ug/L	98
23) iso-butyl alcohol	10.303	41	34081	491.79	ug/L	97
24) carbon disulfide	7.021	76	342127	48.64	ug/L	100
25) methylene chloride	7.456	84	95652	48.88	ug/L	100
26) 1-chloropropane	7.461	41	37012	48.78	ug/L	96
27) methyl acetate	7.225	74	12847	49.58	ug/L	97
28) methyl tert butyl ether	7.802	73	504100	95.38	ug/L	99
29) trans-1,2-dichloroethene	7.854	61	118305	50.88	ug/L	99
30) di-isopropyl ether	8.484	45	258987	50.71	ug/L	99
31) ethyl tert-butyl ether	9.008	59	262168	51.38	ug/L	99
32) 2-butanone	9.349	72	9520	50.68	ug/L	97
33) 1,1-dichloroethane	8.531	63	146608	51.18	ug/L	99
34) chloroprene	8.630	53	96769	49.77	ug/L	99
35) acrylonitrile	7.881	53	161844	260.46	ug/L	98
36) vinyl acetate	8.531	86	12007	55.99	ug/L	95
37) ethyl acetate	9.359	45	11625	46.26	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.343	77	119313	46.29	ug/L		98
39) cis-1,2-dichloroethene	9.359	61	144642	49.25	ug/L		98
40) propionitrile	9.501	54	131916	508.28	ug/L		99
41) methyl acrylate	9.443	55	87146	46.78	ug/L	#	99
42) bromochloromethane	9.705	128	44647	49.88	ug/L		92
43) tetrahydrofuran	9.731	42	29546	46.10	ug/L		98
44) chloroform	9.779	83	143139	49.14	ug/L		99
47) freon 113	6.544	151	70389	52.45	ug/L		98
48) methacrylonitrile	9.674	41	105809	48.59	ug/L		98
49) 1,1,1-trichloroethane	10.009	97	134712	50.92	ug/L		100
50) tert-amyl methyl ether	10.513	73	258822	50.28	ug/L		99
52) epichlorohydrin	12.217	57	40815	257.89	ug/L		98
53) n-butyl alcohol	11.089	56	144111	2757.92	ug/L		98
54) cyclohexane	10.051	84	130167	52.20	ug/L	#	100
55) carbon tetrachloride	10.208	117	123744	52.42	ug/L		99
56) 1,1-dichloropropene	10.193	75	101002	50.13	ug/L		98
57) hexane	8.169	57	68485	40.72	ug/L		97
58) benzene	10.481	78	294610	49.11	ug/L		100
59) isooctane	10.444	57	309119	53.28	ug/L		98
60) heptane	10.638	57	49595	53.79	ug/L		96
61) isopropyl acetate	10.444	43	213515m	54.75	ug/L		
62) 1,2-dichloroethane	10.534	62	88674	49.18	ug/L		99
63) trichloroethene	11.231	95	73451	48.62	ug/L		99
65) 2-nitropropane	12.075	43	165523	47.15	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	236102	254.72	ug/L		99
67) methyl methacrylate	11.535	69	48279	49.62	ug/L		99
68) 1,2-dichloropropane	11.519	63	74136	51.82	ug/L		99
69) methylcyclohexane	11.420	83	134704	53.12	ug/L		97
70) dibromomethane	11.692	93	51346	50.43	ug/L		99
71) bromodichloromethane	11.829	83	99516	49.44	ug/L		100
72) cis-1,3-dichloropropene	12.285	75	112317	48.18	ug/L		99
74) 4-methyl-2-pentanone	12.390	58	33346	51.61	ug/L		99
75) toluene	12.626	92	157877	49.05	ug/L		98
76) 3-methyl-1-butanol	12.437	70	50651	1076.90	ug/L		100
77) trans-1,3-dichloropropene	12.861	75	102067	49.00	ug/L		99
78) ethyl methacrylate	12.840	69	91512	49.72	ug/L		99
79) 1,1,2-trichloroethane	13.082	83	56986	49.93	ug/L		97
80) 2-hexanone	13.249	58	30076	49.85	ug/L		97
82) tetrachloroethene	13.202	166	69791	52.29	ug/L		99
83) 1,3-dichloropropane	13.260	76	97480	48.41	ug/L		99
84) butyl acetate	13.318	56	49660	50.06	ug/L		98
85) dibromochloromethane	13.527	129	82873	50.94	ug/L		99
86) 1,2-dibromoethane	13.674	107	72507	49.44	ug/L		100
87) chlorobenzene	14.136	112	181578	49.30	ug/L		97
88) 1,1,1,2-tetrachloroethane	14.204	131	80620	51.82	ug/L		99
89) ethylbenzene	14.183	91	321828	49.67	ug/L		100
90) m,p-xylene	14.293	106	238654	98.32	ug/L		99
91) o-xylene	14.728	106	127237	50.61	ug/L		99
92) styrene	14.744	104	203193	48.16	ug/L		99
93) bromoform	15.037	173	63563	49.57	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

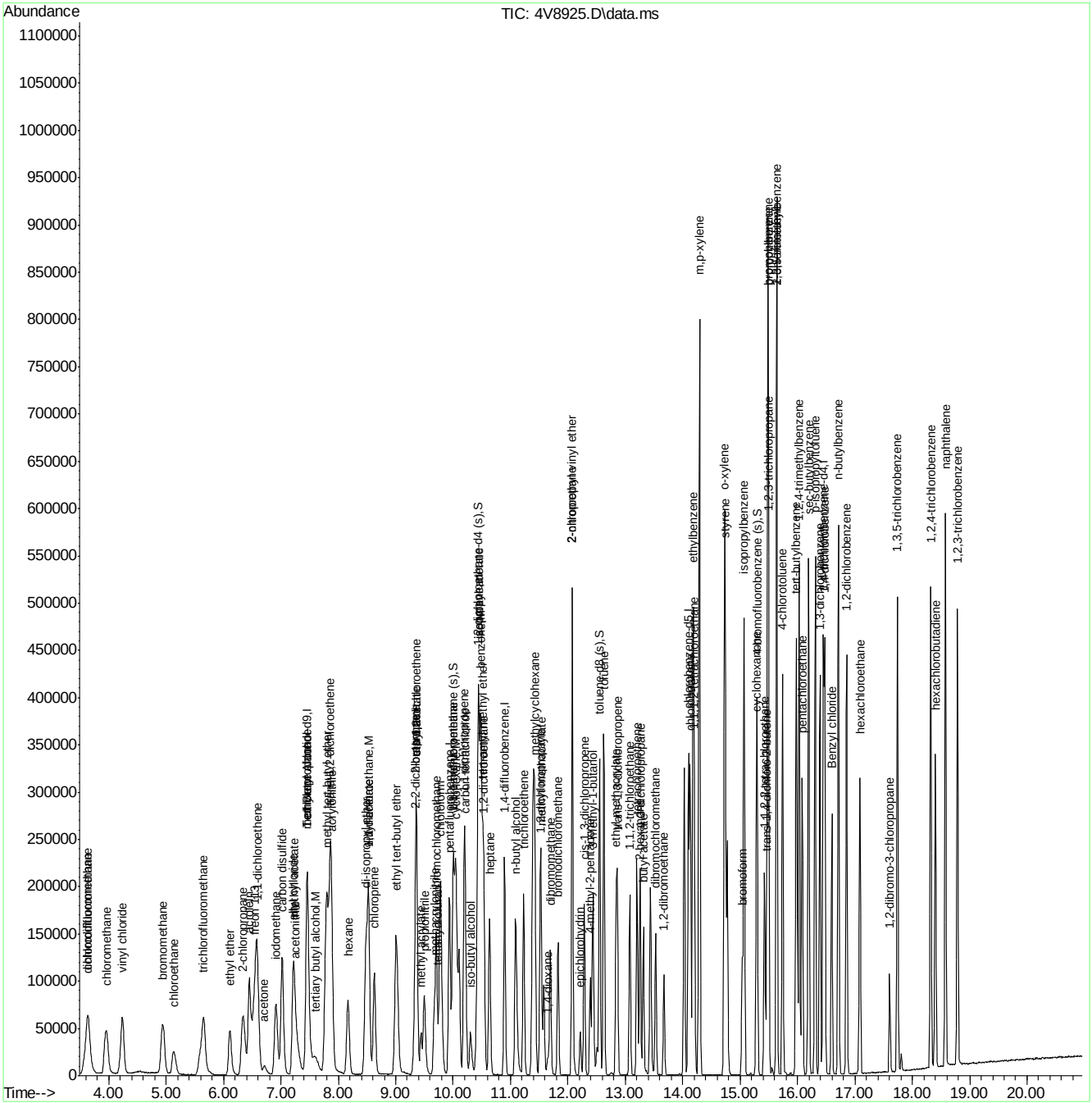
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	344396	50.42	ug/L	99
97) bromobenzene	15.488	156	85365	48.77	ug/L	98
98) cyclohexanone	15.284	55	79540	353.25	ug/L	99
99) 1,1,2,2-tetrachloroethane	15.425	83	119196	47.92	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	26846	47.47	ug/L	99
101) 1,2,3-trichloropropane	15.499	110	24444	50.33	ug/L	96
102) n-propylbenzene	15.488	91	401526	49.26	ug/L	100
103) 2-chlorotoluene	15.640	126	81356	50.10	ug/L	98
104) 4-chlorotoluene	15.740	91	242507	47.85	ug/L	100
105) 1,3,5-trimethylbenzene	15.635	105	298966	51.09	ug/L	98
106) tert-butylbenzene	15.981	119	236132	50.29	ug/L	99
107) pentachloroethane	16.081	167	62936	54.22	ug/L	96
108) 1,2,4-trimethylbenzene	16.028	105	295287	49.72	ug/L	98
109) sec-butylbenzene	16.191	105	407308	49.81	ug/L	100
110) 1,3-dichlorobenzene	16.390	146	170389	47.92	ug/L	99
111) p-isopropyltoluene	16.311	119	328627	50.06	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	173370	47.70	ug/L	99
114) 1,2-dichlorobenzene	16.857	146	176587	47.77	ug/L	100
115) n-butylbenzene	16.710	92	180778	49.56	ug/L	99
116) 1,2-dibromo-3-chloropr...	17.606	75	25037	46.56	ug/L	97
117) 1,3,5-trichlorobenzene	17.743	180	151973	48.24	ug/L	100
118) 1,2,4-trichlorobenzene	18.325	180	147641	50.05	ug/L	99
119) hexachlorobutadiene	18.403	225	66434	49.52	ug/L	98
120) naphthalene	18.576	128	414491	49.19	ug/L	100
121) 1,2,3-trichlorobenzene	18.786	180	141783	50.15	ug/L	99
122) hexachloroethane	17.087	119	74796	53.22	ug/L	99
123) Benzyl chloride	16.600	91	199524	44.04	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 16:19:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

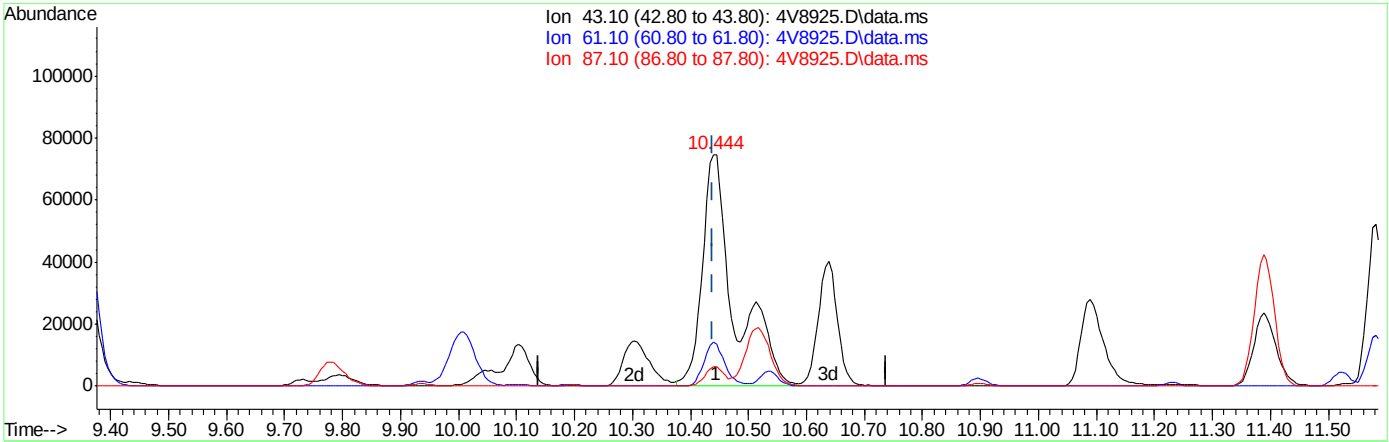
Sample Number: V4V368-ICV368
Lab FileID: 4V8925.D
Injection Time: 06/17/14 16:43
Method: SW846 8260B
Analyst approved: 06/18/14 16:21 Juntae Park
Supervisor approved: 06/18/14 18:23 Jessica Reitan-Chu

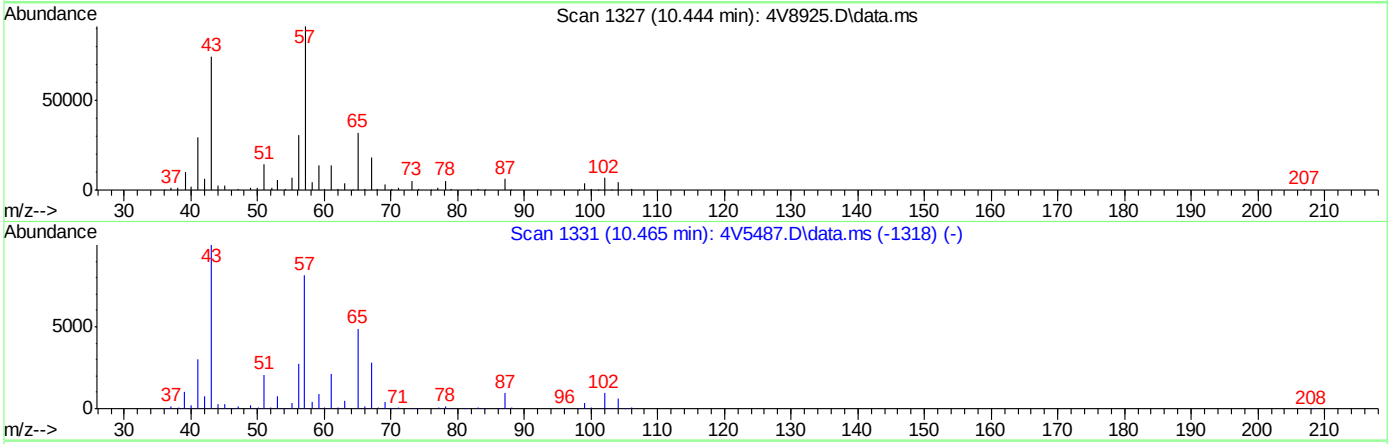
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropyl Acetate	108-21-4		10.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 15:00:22 2014
Response via : Initial Calibration





TIC: 4V8925.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 70.48ug/L

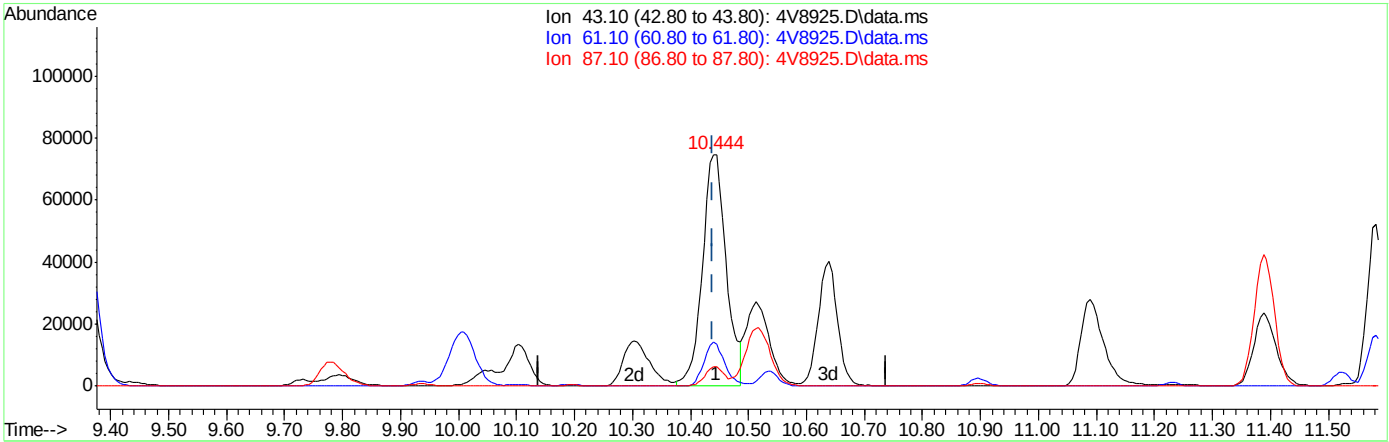
response 287788

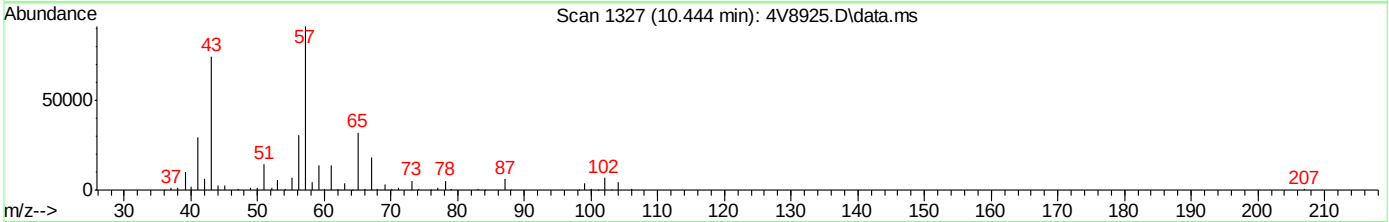
Ion	Exp%	Act%
43.10	100	100
61.10	18.20	12.33
87.10	8.00	5.54
0.00	0.00	0.00

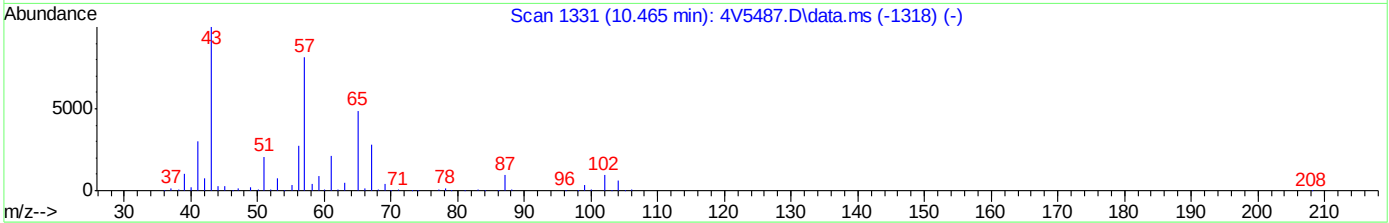
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8925.D
Acq On : 17 Jun 2014 4:43 pm
Operator : BenM
Sample : icv368-50
Misc : MS68934,V4V368,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 15:00:22 2014
Response via : Initial Calibration







TIC: 4V8925.D\data.ms

(61) isopropyl acetate

10.444min (+0.005) 52.29ug/L m

response 213515

Ion	Exp%	Act%
43.10	100	100
61.10	18.20	16.62
87.10	8.00	7.46
0.00	0.00	0.00

4V8925.D edits: isopropyl acetate

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8966.D
Acq On : 19 Jun 2014 8:55 am
Operator : BenM
Sample : cc368-20
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 16:23:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.456	65	132455	500.00	ug/L	-0.01
4) pentafluorobenzene	9.931	168	147916	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.895	114	191201	50.00	ug/L	0.00
81) chlorobenzene-d5	14.099	117	186986	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	16.448	152	122300	50.00	ug/L	0.00
System Monitoring Compounds						
45) dibromofluoromethane (s)	9.988	113	75508	53.92	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 107.84%			
46) 1,2-dichloroethane-d4 (s)	10.434	65	74047	53.39	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 106.78%			
73) toluene-d8 (s)	12.547	98	210474	51.83	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 103.66%			
96) 4-bromofluorobenzene (s)	15.294	95	106816	50.26	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.645	88	9236	445.98	ug/L #	99
3) tertiary butyl alcohol	7.582	59	26282	99.84	ug/L	100
6) chlorodifluoromethane	3.639	51	52064	24.30	ug/L	97
7) dichlorodifluoromethane	3.628	85	54005	22.88	ug/L	99
9) chloromethane	3.948	50	49694	21.36	ug/L	97
10) vinyl chloride	4.231	62	56129	22.95	ug/L	99
11) bromomethane	4.934	94	35400	22.56	ug/L	98
12) chloroethane	5.133	64	21146	23.81	ug/L	97
13) trichlorofluoromethane	5.647	101	58527	23.27	ug/L	97
14) ethyl ether	6.108	74	13264	21.66	ug/L	99
16) 2-chloropropane	6.329	43	49286	20.92	ug/L	98
17) acrolein	6.444	56	70897	216.57	ug/L	100
18) 1,1-dichloroethene	6.580	61	48753	21.39	ug/L	99
19) acetone	6.701	58	3086	24.24	ug/L	84
20) allyl chloride	7.209	76	14416	23.10	ug/L	99
21) acetonitrile	7.246	40	31427	239.91	ug/L	97
22) iodomethane	6.905	142	61159	20.74	ug/L	99
23) iso-butyl alcohol	10.298	41	12935	215.80	ug/L	98
24) carbon disulfide	7.015	76	120448	19.80	ug/L	99
25) methylene chloride	7.451	84	34804	20.56	ug/L	94
26) 1-chloropropane	7.456	41	13165	20.06	ug/L #	75
27) methyl acetate	7.209	74	5110	22.80	ug/L #	89
28) methyl tert butyl ether	7.797	73	97217	21.27	ug/L	99
29) trans-1,2-dichloroethene	7.854	61	44184	21.97	ug/L	96
30) di-isopropyl ether	8.473	45	102543	23.21	ug/L	99
31) ethyl tert-butyl ether	9.003	59	105931	24.00	ug/L	97
32) 2-butanone	9.343	72	3521	21.67	ug/L	86
33) 1,1-dichloroethane	8.525	63	53468	21.58	ug/L	97
34) chloroprene	8.620	53	39524	23.50	ug/L	99
35) acrylonitrile	7.875	53	60154	111.92	ug/L	99
36) vinyl acetate	8.525	86	3873	20.88	ug/L	87
37) ethyl acetate	9.354	45	4260	19.60	ug/L	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8966.D
Acq On : 19 Jun 2014 8:55 am
Operator : BenM
Sample : cc368-20
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 16:23:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) 2,2-dichloropropane	9.338	77	51937	23.29	ug/L		97
39) cis-1,2-dichloroethene	9.354	61	54014	21.26	ug/L		96
40) propionitrile	9.490	54	47545	211.79	ug/L		96
41) methyl acrylate	9.438	55	31775	19.72	ug/L	#	98
42) bromochloromethane	9.705	128	16060	20.75	ug/L		99
43) tetrahydrofuran	9.731	42	11410	20.58	ug/L		94
44) chloroform	9.768	83	52006	20.64	ug/L		99
47) freon 113	6.544	151	26933	23.20	ug/L		93
48) methacrylonitrile	9.663	41	41336	21.95	ug/L		94
49) 1,1,1-trichloroethane	9.999	97	50286	21.97	ug/L		98
50) tert-amyl methyl ether	10.507	73	100697	22.62	ug/L		94
52) epichlorohydrin	12.211	57	15496	112.09	ug/L		99
53) n-butyl alcohol	11.084	56	49582	1086.25	ug/L		99
54) cyclohexane	10.046	84	44959	20.64	ug/L	#	100
55) carbon tetrachloride	10.203	117	45426	22.03	ug/L		97
56) 1,1-dichloropropene	10.193	75	36609	20.80	ug/L		98
57) hexane	8.164	57	34075	23.20	ug/L		97
58) benzene	10.481	78	106775	20.38	ug/L		99
59) isooctane	10.439	57	118828	23.44	ug/L		99
60) heptane	10.633	57	18427	22.88	ug/L		97
61) isopropyl acetate	10.439	43	73784	21.66	ug/L		99
62) 1,2-dichloroethane	10.534	62	33832	21.48	ug/L		96
63) trichloroethene	11.226	95	26218	19.87	ug/L		99
65) 2-nitropropane	12.075	43	66093	21.55	ug/L		99
66) 2-chloroethyl vinyl ether	12.075	63	94586	116.82	ug/L		99
67) methyl methacrylate	11.530	69	17331	20.39	ug/L		99
68) 1,2-dichloropropane	11.519	63	26815	21.46	ug/L		99
69) methylcyclohexane	11.414	83	50547	22.82	ug/L		99
70) dibromomethane	11.687	93	18172	20.43	ug/L		97
71) bromodichloromethane	11.829	83	35744	20.33	ug/L		99
72) cis-1,3-dichloropropene	12.285	75	40811	20.04	ug/L		100
74) 4-methyl-2-pentanone	12.384	58	11643	20.63	ug/L		92
75) toluene	12.620	92	55562	19.76	ug/L		97
76) 3-methyl-1-butanol	12.432	70	18278	444.88	ug/L		98
77) trans-1,3-dichloropropene	12.861	75	38694	21.27	ug/L		99
78) ethyl methacrylate	12.835	69	33601	20.90	ug/L		97
79) 1,1,2-trichloroethane	13.076	83	21142	21.21	ug/L		98
80) 2-hexanone	13.249	58	11835	22.46	ug/L		97
82) tetrachloroethene	13.202	166	23442	17.69	ug/L		98
83) 1,3-dichloropropane	13.260	76	36638	18.33	ug/L		99
84) butyl acetate	13.318	56	20088	20.40	ug/L		95
85) dibromochloromethane	13.527	129	30843	19.10	ug/L		98
86) 1,2-dibromoethane	13.674	107	27529	18.91	ug/L		100
87) chlorobenzene	14.130	112	69647	19.05	ug/L		99
88) 1,1,1,2-tetrachloroethane	14.198	131	28799	18.65	ug/L		99
89) ethylbenzene	14.177	91	121113	18.83	ug/L		100
90) m,p-xylene	14.288	106	89965	37.34	ug/L		96
91) o-xylene	14.723	106	45958	18.41	ug/L		97
92) styrene	14.744	104	78343	18.70	ug/L		98
93) bromoform	15.037	173	25551	20.07	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8966.D
Acq On : 19 Jun 2014 8:55 am
Operator : BenM
Sample : cc368-20
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 16:23:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration

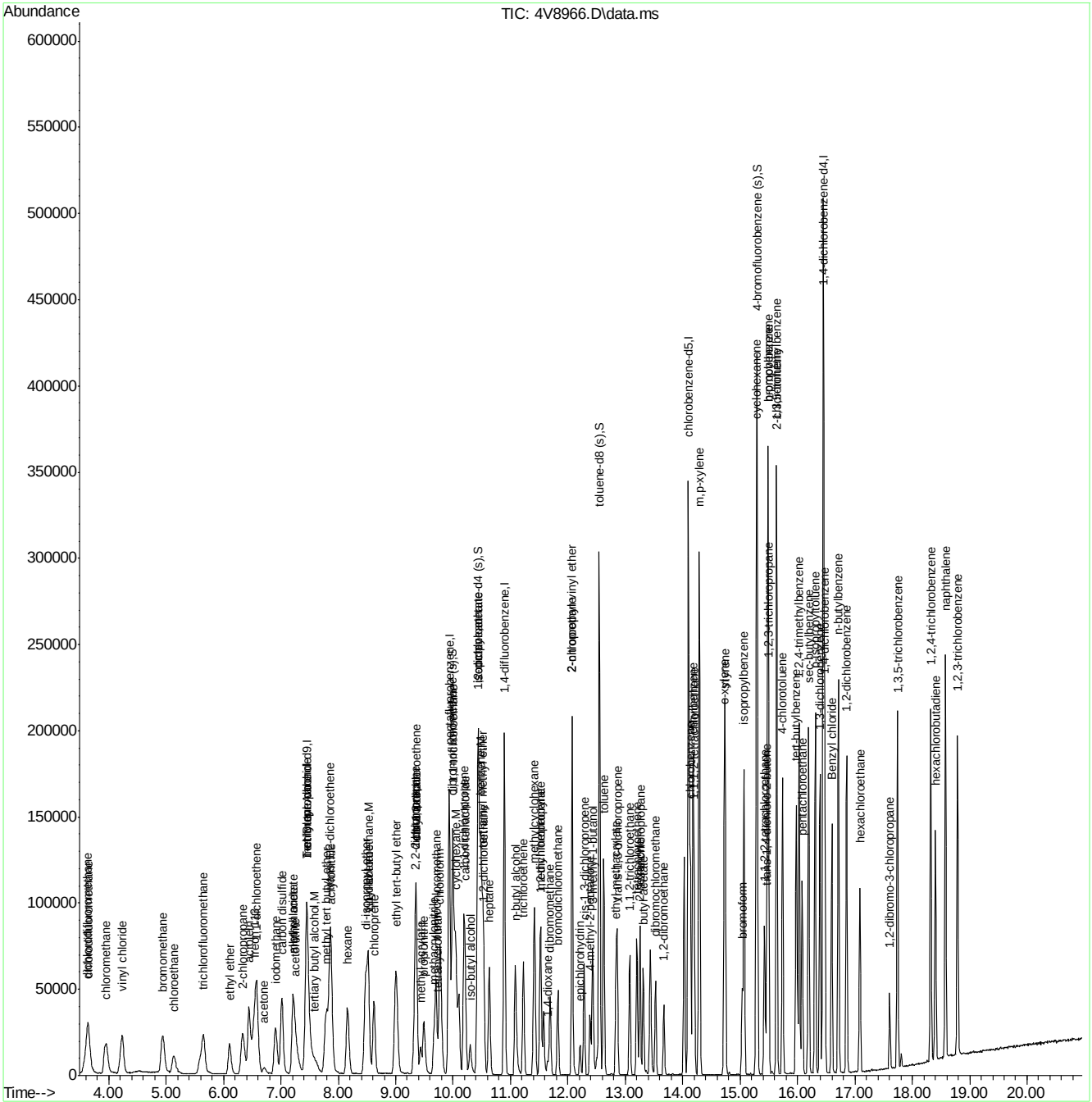
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) isopropylbenzene	15.069	105	122740	16.54	ug/L	99
97) bromobenzene	15.488	156	34277	18.03	ug/L	97
98) cyclohexanone	15.284	55	73612	293.78	ug/L	97
99) 1,1,2,2-tetrachloroethane	15.425	83	47319	17.51	ug/L	99
100) trans-1,4-dichloro-2-b...	15.462	53	11811	19.22	ug/L	98
101) 1,2,3-trichloropropane	15.499	110	9981	18.92	ug/L	97
102) n-propylbenzene	15.488	91	158483	17.90	ug/L	100
103) 2-chlorotoluene	15.640	126	31439	17.82	ug/L	99
104) 4-chlorotoluene	15.740	91	99290	18.03	ug/L	97
105) 1,3,5-trimethylbenzene	15.635	105	109883	17.29	ug/L	99
106) tert-butylbenzene	15.981	119	79831	15.65	ug/L	97
107) pentachloroethane	16.081	167	21876	17.35	ug/L	98
108) 1,2,4-trimethylbenzene	16.028	105	114300	17.72	ug/L	98
109) sec-butylbenzene	16.191	105	147056	16.55	ug/L	99
110) 1,3-dichlorobenzene	16.390	146	69593	18.02	ug/L	97
111) p-isopropyltoluene	16.311	119	124893	17.51	ug/L	98
112) 1,4-dichlorobenzene	16.474	146	71313	18.06	ug/L	100
114) 1,2-dichlorobenzene	16.857	146	71522	17.81	ug/L	99
115) n-butylbenzene	16.710	92	72610	18.32	ug/L	98
116) 1,2-dibromo-3-chloropr...	17.606	75	10810	18.50	ug/L	89
117) 1,3,5-trichlorobenzene	17.748	180	60857	17.78	ug/L	99
118) 1,2,4-trichlorobenzene	18.325	180	57134	17.83	ug/L	99
119) hexachlorobutadiene	18.403	225	25716	17.65	ug/L	98
120) naphthalene	18.576	128	161079	17.60	ug/L	99
121) 1,2,3-trichlorobenzene	18.786	180	54876	17.87	ug/L	99
122) hexachloroethane	17.087	119	25370	16.62	ug/L	96
123) Benzyl chloride	16.600	91	103169	20.96	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4V8966.D
Acq On : 19 Jun 2014 8:55 am
Operator : BenM
Sample : cc368-20
Misc : MS69086,V4V370,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 16:23:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M4V368.M
Quant Title : sw846 8260b
QLast Update : Wed Jun 18 16:17:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3C4989

Print Analyst Name: Poushant B Shukla

Analyst Signature:

Date: 6/17/14

Columns: 2B 624

Method V8260

Initial Cal. Method MSC4989

Standard Data

Lot #	Description	Conc.
01V1861-42	Acrolein	1000 ppm
63	Ext Acrolein	4
40	Int	200/250 ppm
66	Surr.	100 ppm
69	S	

Standard Data

Lot #	Description	Conc.
01V1861-27	Std A	100 ppm
34	B	
67	C	
62	Ext A	
61	B	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044. Ext Acrolein

Supervisor Signature: Date: 6/18/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	3C														
	110758	BFB	TUNE			1	5						ok	5:37 PM.	
	110759	IC 4989-0.2	IC 8260	SO		2	5						ok	1/ Std A+B+C+AC+S+Sm	500 ml DI H2O
	110760	IC 4989-0.5	IC 8260			3	5						ok	1/ Std A+B+C+AC+S+Sm	200 ml DI H2O
	110761	IC 4989.1	IC 8260			4	5						OK	1/ Std A+B+C+S+Sm + 200/ AC	100 ml DI H2O
	110762	IC 4989-2	IC 8260			5	5						ok	2/ Std A+B+C+S+Sm + 100/ AC	100 ml DI H2O
	110763	IC 4989-5	IC 8260			6	5						OK	5/ Std A+B+C+AC+S+Sm+S	100 ml DI H2O
	110764	IC 4989.10	IC 8260			7	5						OK	5/ Std A+B+C+AC+S+Sm	50 ml DI H2O
	110765	IC 4989.20	IC 8260			8	5						OK	10/ Std A+B+C+AC+S+ 25/ Sm	50 ml DI H2O
	110766	IC 4989.50	IC 8260			9	5						OK	25/ Std A+B+C+AC+S+Sm	50 ml DI H2O
	110767	IC 4989.100	IC 8260			10	5						OK	50/ Std A+B+C+ S+Sm + 0.5A AC	50 ml DI H2O
	110768	IC 4989.200	IC 8260			11	5						OK	100/ Std A+B+C+S+Sm + 1/ AC	50 ml DI H2O
	110769	IB				12	5						-	clean up Blank	
	110770	IB				13	5						-		
	110771	ICV 4989.50	ICV 8260			14	5						OK	50/ Ext A+B+C+AC+Mixx+Sm+S	50 ml DI H2O

6/18/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
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: V3C4996

Print Analyst Name: Prashant B Shirke

Analyst Signature:

Columns: 2B 6M

Method 8260 C

Initial Cal. Method M3C4989

Date: 6/22/14

Standard Data

Lot #	Description	Conc.
1861-49	Acrolein	1000 PPM
63	Ext Acrolein	↓
41	Int Surr.	250/50 PPM
39	Ext Haxn	100 PPM

Standard Data

Lot #	Description	Conc.
1861-71	Std A	100 PPM
34	B	
64	C	
62	Ext A	
61	B	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 6/23/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	3C														
	1109 37	BFB				1							OK		
	1109 38	CC4989-20				2							NR	Acetone ↓ 10M STD A+B+C+AC / 50 ml H2O	
	1109 39	CC4989-20				3					✓		OK	1M STD A+B+C+AC / 50 ml H2O	
	1109 40	LB				4							OK		
	1109 41	MB				5					✓		OK		
	1109 42	BS				6					✓		OK	25M EXT A+B+C+Acetone / 50ml DI H2O	
	1109 43	LB				7							OK		
	1109 44	JB69123-1	MS69087 TCL20	S	4	8	3.9				✓		OK		
	1109 45	JB69123-2	↓		4	9	4.6				✓		OK		
	1109 46	JB69123-3			4	10	4.3				✓		OK		
	1109 47	JB69123-4			4	11	4.7				✓		OK		
	1109 48	JB6937H-1	MS69207 TCL20		5	12	6.6				✓		OK		
	1109 49	JB69123-6	MS69087 TCL20		3	13	~~3.9~~ 4.6				✓		OK		
	1109 50	JB69123-5	↓		3	14	~~4.6~~ 3.9				✓		OK		
	1109 51	JB6937H-1 MS	MS69207 TCL20	S	8	15	6.3				✓		OK	25M STD A+B+C+AC / 50ml Sample	
	1109 52	JB6937H-1 MSD	↓	S	7	16	6.2				✓		OK	↓	
	1109 53	LB				17							—		

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: V3C4996

Print Analyst Name: Prashant B Shah

Date: 6/22/14

Analyst Signature:

Columns: 23 624

Method V8260C

Initial Cal. Method 1V3C4989

Standard Data

Lot #	Description	Conc.
	Peter Lee	

Standard Data

Lot #	Description	Conc.
	Page # 129	

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: 6/23/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	3C														
	110954	JB69374.3	MS8260T Tune	W	3	18	6.3				✓		OK		
	110955	JB69374.4			3	19	7.1				✓		OK		
	110956	JB69374.5			3	20	6.3				✓		OK		
	110957	JB69374.7			3	21	6.9				✓		OK		
	110958	JB69374-10			3	22	6.3				✓		OK		
	110959	JB69374.2	↓	↓	3	23	6.7				✓		OK		
	110960	LB				24							—		

6/22/14

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

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7.7.2

7

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: V4V368

Date: 6/17/2014

Print Analyst Name: AUSTIN PARK

Analyst Signature:

Standard Data

Lot #	Description	Conc.
014-1861-27	STD-A	100 ppm
-34	B	↓
-58	C	↓
-42	↓ ACROLEIN	1000 ppm
-59	INT	200/2000 ppm

Standard Data

Lot #	Description	Conc.
014-1861-62	EXT-A	100 ppm
-61	B	↓
-57	C	↓
-63	ACROLEIN	1000 ppm
-60	↓ HEXANE	100 ppm
-35	SURROGATE	100 ppm

Columns: 7B624 60m x 0.25 mm x 1.4 µm

Method V8260B

Initial Cal. Method M4V388

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/18/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	4V8912	BFB				1							OK		
	8913	IC368-5	8260B			2	5						OK	5µl/100ml STD. A+B+C ACROLEIN, surrogate	
	8914	IC368-2	↓			3	5						OK	2µl/100ml 200µl ACROLEIN	
	8915	IC368-1				4	5						OK	1µl/100ml 100µl ACROLEIN	
	8916	IC368-0.5				5	5						OK	0.5µl/100ml	
	8917	IC368-0.2				6	5						OK	0.2µl/100ml	
	8918	IC368-10				7	5						OK	10µl/100ml	
	8919	IC368-20				8	5						OK	20µl/100ml SP 5µl surrogate mp 6/17 ④	
	8920	IC368-50 mp 6/18 ④				9	5						OK	50µl/100ml	
	8921	IC368-100				10	5						OK	100µl/100ml NO ACROLEIN	
	8922	IC368-200				11	5						OK	200µl/100ml NO ACROLEIN	
	8923	1B				12							c/o		
	8924	1B				13							c/o		
	8925	ICV368-50	↓			14	5						OK	50µl/100ml EXT. A+B+C+Hexane EXT. ACROLEIN & surrogate	
	8926	1B				15							c/o	mp 6/17 ④	
	8927	1B				16							c/o		
	8928	JB56878B-9D	MDL VERIFICATION			17	5						OK		
	8929	JB56878B-29H	↓			18	5						OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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7.7.3

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V4V370

Print Analyst Name: Brian Mendez

Analyst Signature: BM

Date: 6/19/14 (Thurs)

Columns: ZB624 (60m, 0.25mm, 1.4um)

Method: V8260C BM 6/19

Initial Cal. Method: M4V368

Standard Data

Lot #	Description	Conc.
V4V-1847	8260 A	10 ppm
-31	↓ C	20
-61	↓	100
-62	Surr	200
↓ -60	IS	200/250

Standard Data

Lot #	Description	Conc.
V4V-361-62	EXT 8260 A	10 ppm
-61	↓ B	10
-57	↓ C	20
-63	Surr	1,000
↓ -31	↓ IS	100

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: 6/20/2014

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
	4V8965	BRB				1	5		1x				OK	8:26AM	
	8966	CC368-20				2							OK	3x1 A,B,1,surr/10 #1947	
	8967	IB				3							c/o		
	8968	MB				4							OK		
	8969	BS				5							OK	5x1 A,B,1,surr/10 (EX3)	
	8970	IB				6							c/o OK 6/19		
	8971	jb69115-1	69086 PPL	MW	1	7							OK		
	8972	jb69115-2		MW	11	8							OK		
	8973	jb69115-3		MW	23	9							OK		
	8974	jb69115-4		MW	8	10							OK		
	8975	jb69115-7		MW	7	11							OK		
	8976	jb69115-8		MW	11	12							OK		
	8977	jb69115-9		MW	11	13							OK		
	8978	jb69115-3MS		MW	19,23	14							OK	2x1 A,B,1,surr/50	
	8979	jb69115-3MSD		MW	19,23	15							OK		
FB	8980	jb69269-1	69244 TIC20	GW	3	16	1/50		50x				OK		
	8981	jb68948-6	68927 TIC20	GW	8	17	5		1x				OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

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: V4V370

Date: 6/19/14 (Thurs)

Print Analyst Name: Ben Bergin

Analyst Signature: BB

Columns: ZB624

Method VB624MS BB 6/4

Initial Cal. Method MV368

Standard Data

Lot #	Description	Conc.
	See Pg 9	

Standard Data

Lot #	Description	Conc.
	See Pg 9	

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: 6/20/2014

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
	V4V982	jb68948-7	8021 +CL20	W	1	18	5		1		W		OK		
	83	jb68948-1		W	8	19					W		OK		
	84	jb68948-3		W	8	20					W		OK		
	85	jb68948-4		W	7	21					W		OK		
	86	jb68948-5		W	8	22					W		OK		
	87	jb69123-7	624 DCL20	SB3	4	23					W		OK		
	88	jb69123-8		SB3	1	24					W		OK		
	89	jb69269-6	624 DCL20	W	3	25					W		OK		
	90	jb69115-6	8260 PPL	W	7	26					W		~~RS~~ OK	7:35 pm. NAP ARIX c/o	

6/19

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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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: JB69123
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
OP75688-MB1	3P32839.D	1	06/17/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

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	20.1	140	9.1	ug/kg	J
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: JB69123
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
OP75688-MB1	3P32839.D	1	06/17/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

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: JB69123
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
OP75688-MB1	3P32839.D	1	06/17/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	79%	13-110%
4165-62-2	Phenol-d5	82%	15-110%
118-79-6	2,4,6-Tribromophenol	90%	20-123%
4165-60-0	Nitrobenzene-d5	93%	10-110%
321-60-8	2-Fluorobiphenyl	92%	17-110%
1718-51-0	Terphenyl-d14	99%	30-124%

Method Blank Summary

Job Number: JB69123
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
OP75710-MB1	2M64667.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	2M64667.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	2M64667.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	10-110%
4165-62-2	Phenol-d5	35%	10-110%
118-79-6	2,4,6-Tribromophenol	64%	29-139%
4165-60-0	Nitrobenzene-d5	92%	28-131%
321-60-8	2-Fluorobiphenyl	83%	30-121%
1718-51-0	Terphenyl-d14	87%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	19	ug/l	J
	system artifact	1.80	170	ug/l	J
	system artifact	2.96	25	ug/l	J
	system artifact/aldol-condensation	3.35	4.8	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB69123
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
OP75710-MB1	Z92986.D	1	06/27/14	AD	06/17/14	OP75710	EZ4620

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	Z92986.D	1	06/27/14	AD	06/17/14	OP75710	EZ4620

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	Z92986.D	1	06/27/14	AD	06/17/14	OP75710	EZ4620

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	10-110%
4165-62-2	Phenol-d5	39%	10-110%
118-79-6	2,4,6-Tribromophenol	85%	29-139%
4165-60-0	Nitrobenzene-d5	96%	28-131%
321-60-8	2-Fluorobiphenyl	99%	30-121%
1718-51-0	Terphenyl-d14	104%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	5.48	4.1	ug/l	J
	system artifact	6.41	8	ug/l	J
	system artifact	7.38	6.8	ug/l	J
	system artifact	8.23	4.6	ug/l	J
	system artifact	11.86	4.2	ug/l	J
	system artifact	12.51	4.1	ug/l	J
	system artifact	13.12	4.9	ug/l	J
	system artifact	13.70	4.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB69123
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
OP75710-MB1	6P8384.D	1	07/01/14	SW	06/17/14	OP75710	E6P362

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	6P8384.D	1	07/01/14	SW	06/17/14	OP75710	E6P362

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

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: JB69123
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
OP75710-MB1	6P8384.D	1	07/01/14	SW	06/17/14	OP75710	E6P362

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	62%	10-110%
4165-62-2	Phenol-d5	46%	10-110%
118-79-6	2,4,6-Tribromophenol	85%	29-139%
4165-60-0	Nitrobenzene-d5	94%	28-131%
321-60-8	2-Fluorobiphenyl	82%	30-121%
1718-51-0	Terphenyl-d14	83%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.40	4.5	ug/l	JN
	system artifact	2.88	32	ug/l	J
	system artifact/aldol-condensation	3.25	8.2	ug/l	J
	Internal standard added for SIM test	4.65	4.3	ug/l	J
	Internal standard added for SIM test	6.43	4.7	ug/l	J
	system artifact	7.36	9.9	ug/l	J
	Internal standard added for SIM test	8.40	4.5	ug/l	J
	system artifact	8.55	9.3	ug/l	J
	system artifact	9.63	7.1	ug/l	J
	system artifact	10.62	5.2	ug/l	J
	system artifact	11.53	4.9	ug/l	J
	Internal standard added for SIM test	11.73	4.6	ug/l	J
	system artifact	12.36	4.7	ug/l	J
	system artifact	13.13	5.2	ug/l	J
	system artifact	13.85	5.9	ug/l	J
	system artifact	14.53	6.5	ug/l	J
	system artifact	15.17	7.2	ug/l	J
	system artifact	15.77	7.2	ug/l	J
	Internal standard added for SIM test	16.07	4.5	ug/l	J
	system artifact	16.32	6.5	ug/l	J
	system artifact	16.87	4.6	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB69123
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
OP75724-MB1	Z92745.D	1	06/18/14	ALS	06/18/14	OP75724	EZ4607

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

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: JB69123
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
OP75724-MB1	Z92745.D	1	06/18/14	ALS	06/18/14	OP75724	EZ4607

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

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: JB69123
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
OP75724-MB1	Z92745.D	1	06/18/14	ALS	06/18/14	OP75724	EZ4607

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	69%	13-110%
4165-62-2	Phenol-d5	70%	15-110%
118-79-6	2,4,6-Tribromophenol	97%	20-123%
4165-60-0	Nitrobenzene-d5	94%	10-110%
321-60-8	2-Fluorobiphenyl	81%	17-110%
1718-51-0	Terphenyl-d14	104%	30-124%

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

Method Blank Summary

Job Number: JB69123
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
OP75724-MB1	3P33250.D	1	06/27/14	SP	06/18/14	OP75724	E3P1419

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

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: JB69123
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
OP75724-MB1	3P33250.D	1	06/27/14	SP	06/18/14	OP75724	E3P1419

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

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: JB69123
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
OP75724-MB1	3P33250.D	1	06/27/14	SP	06/18/14	OP75724	E3P1419

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	73%	13-110%
4165-62-2	Phenol-d5	74%	15-110%
118-79-6	2,4,6-Tribromophenol	82%	20-123%
4165-60-0	Nitrobenzene-d5	83%	10-110%
321-60-8	2-Fluorobiphenyl	82%	17-110%
1718-51-0	Terphenyl-d14	102%	30-124%

Blank Spike Summary

Job Number: JB69123
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
OP75688-BS1	3P32840.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1120	78	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1050	74	44-125
120-83-2	2,4-Dichlorophenol	1430	1020	71	41-120
105-67-9	2,4-Dimethylphenol	1430	1280	90	43-137
51-28-5	2,4-Dinitrophenol	2860	2940	103	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1410	99	37-136
95-48-7	2-Methylphenol	1430	1220	85	40-110
	3&4-Methylphenol	1430	1220	85	39-111
88-75-5	2-Nitrophenol	1430	1110	78	36-117
100-02-7	4-Nitrophenol	1430	1430	100	26-143
87-86-5	Pentachlorophenol	1430	1180	83	21-123
108-95-2	Phenol	1430	1100	77	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1210	85	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1200	84	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1210	85	48-119
83-32-9	Acenaphthene	1430	1280	90	46-110
208-96-8	Acenaphthylene	1430	1050	74	43-103
98-86-2	Acetophenone	1430	1180	83	35-120
120-12-7	Anthracene	1430	1310	92	56-118
1912-24-9	Atrazine	1430	1490	104	57-151
56-55-3	Benzo(a)anthracene	1430	1260	88	56-117
50-32-8	Benzo(a)pyrene	1430	1370	96	56-124
205-99-2	Benzo(b)fluoranthene	1430	1410	99	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1140	80	52-126
207-08-9	Benzo(k)fluoranthene	1430	1330	93	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1270	89	51-121
85-68-7	Butyl benzyl phthalate	1430	1430	100	52-133
92-52-4	1,1'-Biphenyl	1430	1180	83	42-122
100-52-7	Benzaldehyde	1430	1500	105	30-119
91-58-7	2-Chloronaphthalene	1430	1160	81	42-110
106-47-8	4-Chloroaniline	1430	726	51	32-102
86-74-8	Carbazole	1430	1130	79	53-119
105-60-2	Caprolactam	1430	1020	71	35-144
218-01-9	Chrysene	1430	1300	91	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1110	78	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1240	87	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75688-BS1	3P32840.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1510	106	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1290	90	48-116
121-14-2	2,4-Dinitrotoluene	1430	1360	95	51-126
606-20-2	2,6-Dinitrotoluene	1430	1380	97	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2310	81	49-115
123-91-1	1,4-Dioxane	1430	595	42	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1170	82	53-126
132-64-9	Dibenzofuran	1430	1180	83	45-114
84-74-2	Di-n-butyl phthalate	1430	1340	94	56-125
117-84-0	Di-n-octyl phthalate	1430	1680	118	49-145
84-66-2	Diethyl phthalate	1430	1260	88	52-118
131-11-3	Dimethyl phthalate	1430	1210	85	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1450	102	52-138
206-44-0	Fluoranthene	1430	1280	90	55-119
86-73-7	Fluorene	1430	1280	90	51-114
118-74-1	Hexachlorobenzene	1430	1180	83	47-122
87-68-3	Hexachlorobutadiene	1430	962	67	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2590	91	22-126
67-72-1	Hexachloroethane	1430	1120	78	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1150	81	53-128
78-59-1	Isophorone	1430	994	70	37-117
91-57-6	2-Methylnaphthalene	1430	991	69	34-114
88-74-4	2-Nitroaniline	1430	1450	102	46-135
99-09-2	3-Nitroaniline	1430	1040	73	44-114
100-01-6	4-Nitroaniline	1430	1210	85	44-128
91-20-3	Naphthalene	1430	1020	71	37-104
98-95-3	Nitrobenzene	1430	1040	73	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1240	87	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1360	95	51-114
85-01-8	Phenanthrene	1430	1240	87	55-113
129-00-0	Pyrene	1430	1290	90	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1170	82	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75688-BS1	3P32840.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	73%	13-110%
4165-62-2	Phenol-d5	75%	15-110%
118-79-6	2,4,6-Tribromophenol	87%	20-123%
4165-60-0	Nitrobenzene-d5	71%	10-110%
321-60-8	2-Fluorobiphenyl	78%	17-110%
1718-51-0	Terphenyl-d14	87%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75710-BS1	2M64668.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	37.5	75	42-110
59-50-7	4-Chloro-3-methyl phenol	50	44.1	88	49-120
120-83-2	2,4-Dichlorophenol	50	42.6	85	47-114
105-67-9	2,4-Dimethylphenol	50	43.0	86	48-129
51-28-5	2,4-Dinitrophenol	100	83.2	83	26-153
534-52-1	4,6-Dinitro-o-cresol	50	39.7	79	44-132
95-48-7	2-Methylphenol	50	37.3	75	39-110
	3&4-Methylphenol	50	36.8	74	36-110
88-75-5	2-Nitrophenol	50	40.8	82	45-110
100-02-7	4-Nitrophenol	50	31.2	62	10-110
87-86-5	Pentachlorophenol	50	32.4	65	32-122
108-95-2	Phenol	50	19.6	39	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	38.9	78	47-119
95-95-4	2,4,5-Trichlorophenol	50	45.1	90	52-119
88-06-2	2,4,6-Trichlorophenol	50	47.7	95	51-118
83-32-9	Acenaphthene	50	45.9	92	46-108
208-96-8	Acenaphthylene	50	36.1	72	44-101
98-86-2	Acetophenone	50	50.5	101	39-125
120-12-7	Anthracene	50	45.2	90	60-117
1912-24-9	Atrazine	50	54.4	109	58-153
100-52-7	Benzaldehyde	50	49.8	100	32-119
56-55-3	Benzo(a)anthracene	50	41.5	83	59-116
50-32-8	Benzo(a)pyrene	50	45.8	92	61-122
205-99-2	Benzo(b)fluoranthene	50	51.2	102	56-129
191-24-2	Benzo(g,h,i)perylene	50	39.9	80	54-126
207-08-9	Benzo(k)fluoranthene	50	44.2	88	53-124
101-55-3	4-Bromophenyl phenyl ether	50	43.6	87	55-120
85-68-7	Butyl benzyl phthalate	50	49.3	99	42-138
92-52-4	1,1'-Biphenyl	50	47.8	96	41-123
91-58-7	2-Chloronaphthalene	50	41.3	83	38-107
106-47-8	4-Chloroaniline	50	17.4	35* [a]	38-110
86-74-8	Carbazole	50	43.1	86	55-121
105-60-2	Caprolactam	50	16.1	32	10-113
218-01-9	Chrysene	50	42.8	86	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	44.4	89	48-117
111-44-4	bis(2-Chloroethyl)ether	50	44.8	90	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75710-BS1	2M64668.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	55.2	110* [a]	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	48.5	97	48-117
121-14-2	2,4-Dinitrotoluene	50	45.3	91	53-129
606-20-2	2,6-Dinitrotoluene	50	42.4	85	57-126
91-94-1	3,3'-Dichlorobenzidine	100	47.0	47	41-109
123-91-1	1,4-Dioxane	50	22.1	44	10-110
53-70-3	Dibenzo(a,h)anthracene	50	43.7	87	57-126
132-64-9	Dibenzofuran	50	42.1	84	46-112
84-74-2	Di-n-butyl phthalate	50	52.7	105	54-127
117-84-0	Di-n-octyl phthalate	50	58.9	118	55-142
84-66-2	Diethyl phthalate	50	50.1	100	35-130
131-11-3	Dimethyl phthalate	50	46.0	92	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	52.1	104	58-135
206-44-0	Fluoranthene	50	47.2	94	59-120
86-73-7	Fluorene	50	48.1	96	53-114
118-74-1	Hexachlorobenzene	50	37.2	74	52-120
87-68-3	Hexachlorobutadiene	50	47.1	94	10-111
77-47-4	Hexachlorocyclopentadiene	100	111	111	10-116
67-72-1	Hexachloroethane	50	44.1	88	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	52.3	105	56-127
78-59-1	Isophorone	50	43.5	87	45-119
91-57-6	2-Methylnaphthalene	50	42.2	84	30-112
88-74-4	2-Nitroaniline	50	54.2	108	46-136
99-09-2	3-Nitroaniline	50	20.5	41* [a]	46-113
100-01-6	4-Nitroaniline	50	35.1	70	47-129
91-20-3	Naphthalene	50	42.8	86	35-101
98-95-3	Nitrobenzene	50	46.4	93	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	51.6	103	40-118
86-30-6	N-Nitrosodiphenylamine	50	47.3	95	54-112
85-01-8	Phenanthrene	50	44.1	88	58-113
129-00-0	Pyrene	50	42.6	85	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	44.8	90	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75710-BS1	2M64668.D	1	06/19/14	SP	06/17/14	OP75710	E2M2741

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	47%	10-110%
4165-62-2	Phenol-d5	35%	10-110%
118-79-6	2,4,6-Tribromophenol	68%	29-139%
4165-60-0	Nitrobenzene-d5	89%	28-131%
321-60-8	2-Fluorobiphenyl	87%	30-121%
1718-51-0	Terphenyl-d14	79%	16-147%

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75724-BS1	Z92782.D	1	06/19/14	AR	06/18/14	OP75724	EZ4609

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1150	81	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1460	102	44-125
120-83-2	2,4-Dichlorophenol	1430	1430	100	41-120
105-67-9	2,4-Dimethylphenol	1430	1620	113	43-137
51-28-5	2,4-Dinitrophenol	2860	2470	86	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1370	96	37-136
95-48-7	2-Methylphenol	1430	1210	85	40-110
	3&4-Methylphenol	1430	1160	81	39-111
88-75-5	2-Nitrophenol	1430	1410	99	36-117
100-02-7	4-Nitrophenol	1430	2160	151* [a]	26-143
87-86-5	Pentachlorophenol	1430	1480	104	21-123
108-95-2	Phenol	1430	1150	81	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1390	97	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1390	97	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1410	99	48-119
83-32-9	Acenaphthene	1430	1350	95	46-110
208-96-8	Acenaphthylene	1430	1130	79	43-103
98-86-2	Acetophenone	1430	1290	90	35-120
120-12-7	Anthracene	1430	1390	97	56-118
1912-24-9	Atrazine	1430	1760	123	57-151
56-55-3	Benzo(a)anthracene	1430	1340	94	56-117
50-32-8	Benzo(a)pyrene	1430	1470	103	56-124
205-99-2	Benzo(b)fluoranthene	1430	1570	110	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1330	93	52-126
207-08-9	Benzo(k)fluoranthene	1430	1290	90	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1430	100	51-121
85-68-7	Butyl benzyl phthalate	1430	1660	116	52-133
92-52-4	1,1'-Biphenyl	1430	1350	95	42-122
100-52-7	Benzaldehyde	1430	1480	104	30-119
91-58-7	2-Chloronaphthalene	1430	1290	90	42-110
106-47-8	4-Chloroaniline	1430	690	48	32-102
86-74-8	Carbazole	1430	1200	84	53-119
105-60-2	Caprolactam	1430	1390	97	35-144
218-01-9	Chrysene	1430	1250	88	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1310	92	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1130	79	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75724-BS1	Z92782.D	1	06/19/14	AR	06/18/14	OP75724	EZ4609

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1280	90	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1340	94	48-116
121-14-2	2,4-Dinitrotoluene	1430	1500	105	51-126
606-20-2	2,6-Dinitrotoluene	1430	1450	102	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2010	70	49-115
123-91-1	1,4-Dioxane	1430	470	33	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1350	95	53-126
132-64-9	Dibenzofuran	1430	1310	92	45-114
84-74-2	Di-n-butyl phthalate	1430	1710	120	56-125
117-84-0	Di-n-octyl phthalate	1430	1710	120	49-145
84-66-2	Diethyl phthalate	1430	1560	109	52-118
131-11-3	Dimethyl phthalate	1430	1380	97	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1620	113	52-138
206-44-0	Fluoranthene	1430	1420	99	55-119
86-73-7	Fluorene	1430	1420	99	51-114
118-74-1	Hexachlorobenzene	1430	1350	95	47-122
87-68-3	Hexachlorobutadiene	1430	1500	105	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2760	97	22-126
67-72-1	Hexachloroethane	1430	1350	95	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1480	104	53-128
78-59-1	Isophorone	1430	1340	94	37-117
91-57-6	2-Methylnaphthalene	1430	1320	92	34-114
88-74-4	2-Nitroaniline	1430	1750	123	46-135
99-09-2	3-Nitroaniline	1430	908	64	44-114
100-01-6	4-Nitroaniline	1430	1330	93	44-128
91-20-3	Naphthalene	1430	1280	90	37-104
98-95-3	Nitrobenzene	1430	1390	97	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1360	95	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1440	101	51-114
85-01-8	Phenanthrene	1430	1330	93	55-113
129-00-0	Pyrene	1430	1340	94	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1490	104	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69123
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
OP75724-BS1	Z92782.D	1	06/19/14	AR	06/18/14	OP75724	EZ4609

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	72%	13-110%
4165-62-2	Phenol-d5	75%	15-110%
118-79-6	2,4,6-Tribromophenol	107%	20-123%
4165-60-0	Nitrobenzene-d5	96%	10-110%
321-60-8	2-Fluorobiphenyl	85%	17-110%
1718-51-0	Terphenyl-d14	87%	30-124%

(a) Outside of in-house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75688-MS	3P32841.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
OP75688-MSD	3P32842.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
JB69163-4	3P32843.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Compound	JB69163-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1810	1340	74	1860	1370	74	2	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1810	1480	82	1860	1500	81	1	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1810	1440	80	1860	1500	81	4	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1810	1800	99	1860	1890	101	5	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3620	3680	102	3720	3770	101	2	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1810	1730	96	1860	1760	94	2	10-111/55
95-48-7	2-Methylphenol	ND		1810	1530	85	1860	1560	84	2	19-105/42
	3&4-Methylphenol	ND		1810	1520	84	1860	1520	82	0	17-108/43
88-75-5	2-Nitrophenol	ND		1810	1510	83	1860	1620	87	7	11-103/44
100-02-7	4-Nitrophenol	ND		1810	1850	102	1860	1830	98	1	10-141/48
87-86-5	Pentachlorophenol	ND		1810	1430	79	1860	1400	75	2	10-114/47
108-95-2	Phenol	ND		1810	1300	72	1860	1350	72	4	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1810	1460	81	1860	1470	79	1	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1810	1490	82	1860	1430	77	4	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1810	1520	84	1860	1490	80	2	21-117/40
83-32-9	Acenaphthene	11.9	J	1810	1540	84	1860	1580	84	3	25-106/38
208-96-8	Acenaphthylene	ND		1810	1250	69	1860	1280	69	2	21-110/39
98-86-2	Acetophenone	ND		1810	1440	80	1860	1460	78	1	13-117/43
120-12-7	Anthracene	24.4	J	1810	1610	88	1860	1580	84	2	27-123/40
1912-24-9	Atrazine	ND		1810	1830	101	1860	1770	95	3	31-147/39
56-55-3	Benzo(a)anthracene	79.9		1810	1630	86	1860	1600	82	2	22-127/44
50-32-8	Benzo(a)pyrene	77.8		1810	1730	91	1860	1730	89	0	22-132/42
205-99-2	Benzo(b)fluoranthene	97.2		1810	1800	94	1860	1810	92	1	17-141/45
191-24-2	Benzo(g,h,i)perylene	46.2		1810	1480	79	1860	1510	79	2	23-129/42
207-08-9	Benzo(k)fluoranthene	39.8		1810	1620	87	1860	1610	84	1	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1810	1480	82	1860	1490	80	1	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1810	1740	96	1860	1750	94	1	26-134/40
92-52-4	1,1'-Biphenyl	ND		1810	1470	81	1860	1470	79	0	22-114/41
100-52-7	Benzaldehyde	ND		1810	1810	100	1860	1680	90	7	10-115/42
91-58-7	2-Chloronaphthalene	ND		1810	1360	75	1860	1430	77	5	24-101/40
106-47-8	4-Chloroaniline	ND		1810	1040	57	1860	1150	62	10	15-110/44
86-74-8	Carbazole	ND		1810	1390	77	1860	1360	73	2	27-123/38
105-60-2	Caprolactam	ND		1810	1440	80	1860	1430	77	1	10-141/42
218-01-9	Chrysene	95.8		1810	1750	91	1860	1690	86	3	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1810	1510	83	1860	1630	88	8	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1810	1410	78	1860	1480	79	5	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75688-MS	3P32841.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
OP75688-MSD	3P32842.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
JB69163-4	3P32843.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Compound	JB69163-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		1810	1740	96	1860	1740	93	0	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1810	1510	83	1860	1530	82	1	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1810	1690	93	1860	1660	89	2	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1810	1630	90	1860	1670	90	2	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3620	2750	76	3720	2920	78	6	10-121/45
123-91-1	1,4-Dioxane	ND		1810	689	38	1860	766	41	11	10-110/48
53-70-3	Dibenzo(a,h)anthracene	13.9	J	1810	1430	78	1860	1460	78	2	26-129/42
132-64-9	Dibenzofuran	ND		1810	1460	81	1860	1470	79	1	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1810	1620	90	1860	1630	88	1	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1810	1970	109	1860	2040	110	3	25-140/43
84-66-2	Diethyl phthalate	ND		1810	1540	85	1860	1520	82	1	32-115/37
131-11-3	Dimethyl phthalate	ND		1810	1490	82	1860	1500	81	1	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1810	2920	161* [a]	1860	2900	156* [a]	1	26-140/43
206-44-0	Fluoranthene	116		1810	1700	88	1860	1650	82	3	16-134/44
86-73-7	Fluorene	21.3	J	1810	1560	85	1860	1570	83	1	24-116/39
118-74-1	Hexachlorobenzene	ND		1810	1390	77	1860	1400	75	1	24-118/41
87-68-3	Hexachlorobutadiene	ND		1810	1110	61	1860	1240	67	11	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3620	2230	62	3720	2090	56	6	10-110/52
67-72-1	Hexachloroethane	ND		1810	1100	61	1860	1180	63	7	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	47.9		1810	1490	80	1860	1500	78	1	23-132/43
78-59-1	Isophorone	ND		1810	1370	76	1860	1490	80	8	22-105/41
91-57-6	2-Methylnaphthalene	ND		1810	1360	75	1860	1460	78	7	16-108/40
88-74-4	2-Nitroaniline	ND		1810	1830	101	1860	1820	98	1	23-130/39
99-09-2	3-Nitroaniline	ND		1810	1340	74	1860	1320	71	2	19-116/40
100-01-6	4-Nitroaniline	ND		1810	1490	82	1860	1430	77	4	18-124/42
91-20-3	Naphthalene	12.0	J	1810	1330	73	1860	1430	76	7	13-103/41
98-95-3	Nitrobenzene	ND		1810	1400	77	1860	1470	79	5	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1810	1460	81	1860	1540	83	5	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1810	1610	89	1860	1580	85	2	26-119/38
85-01-8	Phenanthrene	95.9		1810	1590	83	1860	1540	78	3	19-126/42
129-00-0	Pyrene	151		1810	1750	88	1860	1730	85	1	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1810	1330	73	1860	1370	74	3	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75688-MS	3P32841.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
OP75688-MSD	3P32842.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406
JB69163-4	3P32843.D	1	06/18/14	AD	06/17/14	OP75688	E3P1406

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-1, JB69123-2, JB69123-3, JB69123-5, JB69123-6

CAS No.	Surrogate Recoveries	MS	MSD	JB69163-4	Limits
367-12-4	2-Fluorophenol	65%	59%		13-110%
4165-62-2	Phenol-d5	68%	64%		15-110%
118-79-6	2,4,6-Tribromophenol	81%	74%		20-123%
4165-60-0	Nitrobenzene-d5	73%	66%	62%	10-110%
321-60-8	2-Fluorobiphenyl	70%	62%	67%	17-110%
1718-51-0	Terphenyl-d14	83%	80%	75%	30-124%

(a) Outside of in-house control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75710-MS	Z93012.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
OP75710-MSD	Z93013.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
JB69115-5 [a]	Z93010.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Compound	JB69115-5 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	92.8	93	100	101	101	8	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	94.6	95	100	103	103	9	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	97.3	97	100	106	106	9	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	100	100	100	110	110	10	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	171	86	200	192	96	12	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	88.7	89	100	105	105	17	10-147/42
95-48-7	2-Methylphenol	ND		100	88.7	89	100	96.0	96	8	29-111/29
	3&4-Methylphenol	ND		100	81.9	82	100	87.7	88	7	26-114/29
88-75-5	2-Nitrophenol	ND		100	94.5	95	100	103	103	9	27-121/35
100-02-7	4-Nitrophenol	ND		100	86.5	87	100	90.5	91	5	10-135/37
87-86-5	Pentachlorophenol	ND		100	84.2	84	100	94.1	94	11	21-133/35
108-95-2	Phenol	ND		100	67.1	67	100	71.7	72	7	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	90.1	90	100	98.5	99	9	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	93.6	94	100	107	107	13	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	102	102	100	112	112	9	31-130/34
83-32-9	Acenaphthene	ND		100	105	105	100	113	113* [b]	7	41-112/29
208-96-8	Acenaphthylene	ND		100	83.8	84	100	90.2	90	7	42-101/29
98-86-2	Acetophenone	ND		100	103	103	100	111	111	7	24-142/31
120-12-7	Anthracene	ND		100	102	102	100	108	108	6	52-122/26
1912-24-9	Atrazine	ND		100	106	106	100	111	111	5	42-160/26
100-52-7	Benzaldehyde	ND		100	81.3	81	100	81.0	81	0	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	90.6	91	100	98.0	98	8	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	99.6	100	100	108	108	8	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	107	107	100	114	114	6	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	116	116	100	127	127	9	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	95.5	96	100	105	105	9	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	106	106	100	115	115	8	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	98.5	99	100	106	106	7	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	113	113	100	123	123* [c]	8	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	101	101	100	111	111* [b]	9	36-108/30
106-47-8	4-Chloroaniline	ND		100	45.5	46	100	52.3	52	14	24-110/32
86-74-8	Carbazole	ND		100	95.7	96	100	102	102	6	47-128/25
105-60-2	Caprolactam	ND		100	51.1	51	100	53.0	53	4	10-110/44
218-01-9	Chrysene	ND		100	99.3	99	100	106	106	7	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	101	101	100	113	113	11	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	96.5	97	100	103	103	7	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75710-MS	Z93012.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
OP75710-MSD	Z93013.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
JB69115-5 [a]	Z93010.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Compound	JB69115-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	88.4	88	100	99.0	99	11	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	95.1	95	100	110	110	15	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	98.7	99	100	105	105	6	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	97.2	97	100	108	108	11	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	110	55	200	121	61	10	14-119/33
123-91-1	1,4-Dioxane	ND		100	105	105	100	94.8	95	10	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	117	117	100	127	127	8	49-130/28
132-64-9	Dibenzofuran	ND		100	98.6	99	100	104	104	5	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	106	106	100	113	113	6	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	101	101	100	108	108	7	47-148/29
84-66-2	Diethyl phthalate	ND		100	97.4	97	100	111	111	13	32-131/29
131-11-3	Dimethyl phthalate	ND		100	99.7	100	100	108	108	8	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	102	102	100	108	108	6	48-144/27
206-44-0	Fluoranthene	ND		100	99.4	99	100	103	103	4	51-123/27
86-73-7	Fluorene	ND		100	96.7	97	100	110	110	13	50-116/26
118-74-1	Hexachlorobenzene	ND		100	99.5	100	100	107	107	7	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	90.6	91	100	102	102	12	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	192	96	200	215	108	11	10-113/37
67-72-1	Hexachloroethane	ND		100	84.5	85	100	98.6	99	15	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	113	113	100	122	122	8	48-131/27
78-59-1	Isophorone	ND		100	95.5	96	100	101	101	6	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	89.8	90	100	98.4	98	9	22-120/32
88-74-4	2-Nitroaniline	ND		100	105	105	100	115	115	9	43-138/29
99-09-2	3-Nitroaniline	ND		100	63.2	63	100	64.6	65	2	34-116/26
100-01-6	4-Nitroaniline	ND		100	84.8	85	100	101	101	17	36-131/28
91-20-3	Naphthalene	ND		100	92.4	92	100	104	104	12	25-108/32
98-95-3	Nitrobenzene	ND		100	100	100	100	109	109	9	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	91.3	91	100	99.4	99	8	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	105	105	100	116	116	10	46-120/26
85-01-8	Phenanthrene	ND		100	98.9	99	100	107	107	8	51-117/25
129-00-0	Pyrene	ND		100	94.9	95	100	103	103	8	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	89.5	90	100	96.8	97	8	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75710-MS	Z93012.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
OP75710-MSD	Z93013.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621
JB69115-5 [a]	Z93010.D	1	06/28/14	ALS	06/17/14	OP75710	EZ4621

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-7

CAS No.	Surrogate Recoveries	MS	MSD	JB69115-5	Limits
367-12-4	2-Fluorophenol	86%	87%	65%	10-110%
4165-62-2	Phenol-d5	64%	68%	37%	10-110%
118-79-6	2,4,6-Tribromophenol	101%	107%	99%	29-139%
4165-60-0	Nitrobenzene-d5	98%	102%	100%	28-131%
321-60-8	2-Fluorobiphenyl	97%	103%	102%	30-121%
1718-51-0	Terphenyl-d14	91%	96%	101%	16-147%

(a) There are several compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Outside of in house control limits, but within reasonable method recovery limits.
(c) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75724-MS	Z92800.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
OP75724-MSD	Z92801.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92799.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92883.D	10	06/25/14	AR	06/18/14	OP75724	EZ4616

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Compound	JB69291-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1860	1450	78	1960	1280	65	12	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1860	1710	92	1960	1680	86	2	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1860	1800	97	1960	1690	86	6	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1860	2020	109	1960	1860	95	8	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3720	599	16	3930	600	15	0	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1860	236	13	1960	193	10	20	10-111/55
95-48-7	2-Methylphenol	ND		1860	1520	82	1960	1370	70	10	19-105/42
	3&4-Methylphenol	ND		1860	1480	80	1960	1360	69	8	17-108/43
88-75-5	2-Nitrophenol	ND		1860	1420	76	1960	1190	61	18	11-103/44
100-02-7	4-Nitrophenol	ND		1860	87.3	5* [a]	1960	78.9	4* [a]	10	10-141/48
87-86-5	Pentachlorophenol	ND		1860	1480	80	1960	1520	77	3	10-114/47
108-95-2	Phenol	ND		1860	1340	72	1960	1240	63	8	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1860	1700	91	1960	1670	85	2	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1860	1860	100	1960	1820	93	2	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1860	1890	102	1960	1780	91	6	21-117/40
83-32-9	Acenaphthene	751		1860	2070	71	1960	1850	56	11	25-106/38
208-96-8	Acenaphthylene	117		1860	1490	74	1960	1390	65	7	21-110/39
98-86-2	Acetophenone	ND		1860	1600	86	1960	1400	71	13	13-117/43
120-12-7	Anthracene	2350		1860	2800	24* [a]	1960	2380	2* [a]	16	27-123/40
1912-24-9	Atrazine	ND		1860	2160	116	1960	2110	107	2	31-147/39
56-55-3	Benzo(a)anthracene	5280 [c]		1860	3980	0* [b]	1960	3350	0* [b]	17	22-127/44
50-32-8	Benzo(a)pyrene	4110 [c]		1860	3740	0* [b]	1960	2980	0* [b]	23	22-132/42
205-99-2	Benzo(b)fluoranthene	5760 [c]		1860	4410	0* [b]	1960	3290	0* [b]	29	17-141/45
191-24-2	Benzo(g,h,i)perylene	2230		1860	2890	35	1960	2320	5* [a]	22	23-129/42
207-08-9	Benzo(k)fluoranthene	1500		1860	2300	43	1960	2140	33	7	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1860	2020	109	1960	1940	99	4	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1860	2000	107	1960	2010	102	0	26-134/40
92-52-4	1,1'-Biphenyl	ND		1860	1730	93	1960	1570	80	10	22-114/41
100-52-7	Benzaldehyde	ND		1860	1780	96	1960	1570	80	13	10-115/42
91-58-7	2-Chloronaphthalene	ND		1860	1640	88	1960	1510	77	8	24-101/40
106-47-8	4-Chloroaniline	ND		1860	636	34	1960	1180	60	60* [d]	15-110/44
86-74-8	Carbazole	ND		1860	1780	96	1960	1680	86	6	27-123/38
105-60-2	Caprolactam	ND		1860	1350	73	1960	1370	70	1	10-141/42
218-01-9	Chrysene	4020	E	1860	3210	0* [b]	1960	2520	0* [b]	24	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1860	1610	86	1960	1390	71	15	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1860	1390	75	1960	1240	63	11	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75724-MS	Z92800.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
OP75724-MSD	Z92801.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92799.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92883.D	10	06/25/14	AR	06/18/14	OP75724	EZ4616

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Compound	JB69291-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		1860	1580	85	1960	1350	69	16	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1860	1740	93	1960	1700	87	2	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1860	1430	77	1960	1340	68	6	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1860	1530	82	1960	1490	76	3	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3720	3080	83	3930	4690	119	41	10-121/45
123-91-1	1,4-Dioxane	ND		1860	200	11	1960	134	7* [a]	40	10-110/48
53-70-3	Dibenzo(a,h)anthracene	834		1860	2530	91	1960	2200	70	14	26-129/42
132-64-9	Dibenzofuran	ND		1860	1930	104	1960	1760	90	9	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1860	1490	80	1960	1940	99	26	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1860	1980	106	1960	1950	99	2	25-140/43
84-66-2	Diethyl phthalate	ND		1860	1880	101	1960	1810	92	4	32-115/37
131-11-3	Dimethyl phthalate	ND		1860	1800	97	1960	1720	88	5	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1860	2220	119	1960	2140	109	4	26-140/43
206-44-0	Fluoranthene	6110	E	1860	3290	0* [b]	1960	2660	0* [b]	21	16-134/44
86-73-7	Fluorene	1020		1860	2190	63	1960	1990	49	10	24-116/39
118-74-1	Hexachlorobenzene	ND		1860	1830	98	1960	1800	92	2	24-118/41
87-68-3	Hexachlorobutadiene	ND		1860	1960	105	1960	1650	84	17	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3720	429	12	3930	245	6* [a]	55* [d]	10-110/52
67-72-1	Hexachloroethane	ND		1860	1320	71	1960	1020	52	26	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	2990		1860	3920	50	1960	3160	9* [a]	21	23-132/43
78-59-1	Isophorone	ND		1860	1570	84	1960	1340	68	16	22-105/41
91-57-6	2-Methylnaphthalene	460		1860	1870	76	1960	1660	61	12	16-108/40
88-74-4	2-Nitroaniline	ND		1860	1850	99	1960	1740	89	6	23-130/39
99-09-2	3-Nitroaniline	ND		1860	1340	72	1960	1530	78	13	19-116/40
100-01-6	4-Nitroaniline	ND		1860	1500	81	1960	1500	76	0	18-124/42
91-20-3	Naphthalene	515		1860	1860	72	1960	1510	51	21	13-103/41
98-95-3	Nitrobenzene	ND		1860	1510	81	1960	1310	67	14	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1860	1570	84	1960	1380	70	13	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1860	2080	112	1960	1990	101	4	26-119/38
85-01-8	Phenanthrene	8580	E	1860	5470	0* [b]	1960	4090	0* [b]	29	19-126/42
129-00-0	Pyrene	11800	E	1860	6140	0* [b]	1960	5810	0* [b]	6	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1860	1970	106	1960	1770	90	11	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69123
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
OP75724-MS	Z92800.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
OP75724-MSD	Z92801.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92799.D	1	06/20/14	AR	06/18/14	OP75724	EZ4609
JB69291-4	Z92883.D	10	06/25/14	AR	06/18/14	OP75724	EZ4616

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69123-4

CAS No.	Surrogate Recoveries	MS	MSD	JB69291-4	JB69291-4	Limits
367-12-4	2-Fluorophenol	34%	29%			13-110%
4165-62-2	Phenol-d5	68%	57%			15-110%
118-79-6	2,4,6-Tribromophenol	119%	107%			20-123%
4165-60-0	Nitrobenzene-d5	82%	66%	76%	99%	10-110%
321-60-8	2-Fluorobiphenyl	88%	77%	81%	98%	17-110%
1718-51-0	Terphenyl-d14	85%	96%	93%	127%* e	30-124%

(a) Outside control limits due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.
(d) Analytical precision exceeds in-house control limits.
(e) Outside of in-house control limits due to dilution.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB69123
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: JB69123
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: JB69123
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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2741-DFTPP	**Injection Date:**	06/19/14
Lab File ID:	2M64664.D	**Injection Time:**	10:00
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	75616	34.1		Pass
68	Less than 2.0% of mass 69	1234	0.56	(1.33) [a]	Pass
69	Mass 69 relative abundance	92725	41.8		Pass
70	Less than 2.0% of mass 69	363	0.16	(0.39) [a]	Pass
127	40.0 - 60.0% of mass 198	129284	58.3		Pass
197	Less than 1.0% of mass 198	1006	0.45		Pass
198	Base peak, 100% relative abundance	221885	100.0		Pass
199	5.0 - 9.0% of mass 198	14663	6.61		Pass
275	10.0 - 30.0% of mass 198	44536	20.1		Pass
365	1.0 - 100.0% of mass 198	6998	3.15		Pass
441	Present, but less than mass 443	15994	7.21	(73.8) [b]	Pass
442	40.0 - 100.0% of mass 198	115466	52.0		Pass
443	17.0 - 23.0% of mass 442	21677	9.77	(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
E2M2741-CC2729	2M64665.D	06/19/14	10:18	00:18	Continuing cal 50
E2M2741-CC2730	2M64666.D	06/19/14	10:44	00:44	Continuing cal 50
OP75710-MB1	2M64667.D	06/19/14	11:17	01:17	Method Blank
OP75710-BS1	2M64668.D	06/19/14	11:43	01:43	Blank Spike
ZZZZZZ	2M64669.D	06/19/14	12:09	02:09	(unrelated sample)
ZZZZZZ	2M64670.D	06/19/14	12:34	02:34	(unrelated sample)
ZZZZZZ	2M64671.D	06/19/14	13:00	03:00	(unrelated sample)
ZZZZZZ	2M64672.D	06/19/14	13:26	03:26	(unrelated sample)
ZZZZZZ	2M64673.D	06/19/14	13:52	03:52	(unrelated sample)
ZZZZZZ	2M64674.D	06/19/14	14:18	04:18	(unrelated sample)
ZZZZZZ	2M64675.D	06/19/14	14:44	04:44	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1389-DFTPP
Lab File ID: 3P32433.D
Instrument ID: GCMS3P
Injection Date: 06/06/14
Injection Time: 14:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14513	33.6		Pass
68	Less than 2.0% of mass 69	294	0.68	(1.53) [a]	Pass
69	Mass 69 relative abundance	19230	44.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23444	54.3		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	43200	100.0		Pass
199	5.0 - 9.0% of mass 198	3020	6.99		Pass
275	10.0 - 30.0% of mass 198	8958	20.7		Pass
365	1.0 - 100.0% of mass 198	1105	2.56		Pass
441	Present, but less than mass 443	3942	9.13	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	26408	61.1		Pass
443	17.0 - 23.0% of mass 442	5428	12.6	(20.6) [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
E3P1389-IC1389	3P32434.D	06/06/14	14:20	00:20	Initial cal 100
E3P1389-IC1389	3P32435.D	06/06/14	14:45	00:45	Initial cal 1
E3P1389-IC1389	3P32436.D	06/06/14	15:56	01:56	Initial cal 80
E3P1389-ICC1389	3P32437.D	06/06/14	16:22	02:22	Initial cal 50
E3P1389-IC1389	3P32438.D	06/06/14	16:47	02:47	Initial cal 25
E3P1389-IC1389	3P32439.D	06/06/14	17:13	03:13	Initial cal 10
E3P1389-IC1389	3P32440.D	06/06/14	17:39	03:39	Initial cal 2
E3P1389-IC1389	3P32441.D	06/06/14	18:04	04:04	Initial cal 5

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1390-DFTPP	**Injection Date:**	06/06/14
Lab File ID:	3P32442.D	**Injection Time:**	18:28
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	6690	32.6		Pass
68	Less than 2.0% of mass 69	69	0.34	(0.76) [a]	Pass
69	Mass 69 relative abundance	9062	44.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	10679	52.1		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	20504	100.0		Pass
199	5.0 - 9.0% of mass 198	1390	6.78		Pass
275	10.0 - 30.0% of mass 198	4334	21.1		Pass
365	1.0 - 100.0% of mass 198	483	2.36		Pass
441	Present, but less than mass 443	2068	10.1	(71.5) [b]	Pass
442	40.0 - 100.0% of mass 198	13969	68.1		Pass
443	17.0 - 23.0% of mass 442	2893	14.1	(20.7) [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
E3P1390-IC1390	3P32443.D	06/06/14	18:37	00:09	Initial cal 100
E3P1390-IC1390	3P32444.D	06/06/14	19:03	00:35	Initial cal 80
E3P1390-ICC1390	3P32445.D	06/06/14	19:28	01:00	Initial cal 50
E3P1390-IC1390	3P32446.D	06/06/14	19:54	01:26	Initial cal 25
E3P1390-IC1390	3P32447.D	06/06/14	20:20	01:52	Initial cal 10
E3P1390-IC1390	3P32448.D	06/06/14	20:45	02:17	Initial cal 5
E3P1390-IC1390	3P32449.D	06/06/14	21:11	02:43	Initial cal 2
E3P1390-IC1390	3P32450.D	06/06/14	21:36	03:08	Initial cal 1
E3P1390-ICV1389	3P32451.D	06/06/14	22:02	03:34	Initial cal verification 50
E3P1390-ICV1389	3P32452.D	06/06/14	22:27	03:59	Initial cal verification 50
E3P1390-ICV1390	3P32452A.D	06/06/14	22:27	03:59	Initial cal verification 50
E3P1390-ICV1390	3P32453A.D	06/06/14	22:53	04:25	Initial cal verification 50
E3P1390-ICV1389	3P32453.D	06/06/14	22:53	04:25	Initial cal verification 50
E3P1390-ICV1389	3P32454.D	06/06/14	23:19	04:51	Initial cal verification 50
E3P1390-ICV1389	3P32455.D	06/06/14	23:44	05:16	Initial cal verification 50
E3P1390-ICV1389	3P32456.D	06/07/14	00:10	05:42	Initial cal verification 50
E3P1390-ICV1390	3P32456A.D	06/07/14	00:10	05:42	Initial cal verification 50
E3P1390-ICV1390	3P32457.D	06/07/14	00:35	06:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1392-DFTPP
Lab File ID: 3P32488.D
Instrument ID: GCMS3P
Injection Date: 06/09/14
Injection Time: 10:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12698	30.6		Pass
68	Less than 2.0% of mass 69	281	0.68	(1.60) [a]	Pass
69	Mass 69 relative abundance	17578	42.4		Pass
70	Less than 2.0% of mass 69	96	0.23	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	21783	52.5		Pass
197	Less than 1.04% of mass 198	97	0.23		Pass
198	Base peak, 100% relative abundance	41478	100.0		Pass
199	5.0 - 9.0% of mass 198	2783	6.71		Pass
275	10.0 - 30.0% of mass 198	9252	22.3		Pass
365	1.0 - 100.0% of mass 198	1046	2.52		Pass
441	Present, but less than mass 443	4351	10.5	(75.4) [b]	Pass
442	40.0 - 100.0% of mass 198	28730	69.3		Pass
443	17.0 - 23.0% of mass 442	5767	13.9	(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
E3P1392-ICV1389	3P32489.D	06/09/14	10:58	00:09	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1406-DFTPP	**Injection Date:**	06/17/14
Lab File ID:	3P32833.D	**Injection Time:**	21:30
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12312	40.7		Pass
68	Less than 2.0% of mass 69	262	0.87	(1.79) [a]	Pass
69	Mass 69 relative abundance	14612	48.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	16855	55.7		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	30253	100.0		Pass
199	5.0 - 9.0% of mass 198	2065	6.83		Pass
275	10.0 - 30.0% of mass 198	6239	20.6		Pass
365	1.0 - 100.0% of mass 198	702	2.32		Pass
441	Present, but less than mass 443	2386	7.89	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	15870	52.5		Pass
443	17.0 - 23.0% of mass 442	3120	10.3	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3P1406-CC1389	3P32834.D	06/17/14	21:39	00:09	Continuing cal 50
E3P1406-CC1390	3P32835A.D	06/17/14	22:06	00:36	Continuing cal 50
OP75680-MB1	3P32837.D	06/17/14	22:57	01:27	Method Blank
OP75680-BS1	3P32838.D	06/17/14	23:22	01:52	Blank Spike
OP75688-MB1	3P32839.D	06/17/14	23:48	02:18	Method Blank
OP75688-BS1	3P32840.D	06/18/14	00:13	02:43	Blank Spike
OP75688-MS	3P32841.D	06/18/14	00:38	03:08	Matrix Spike
OP75688-MSD	3P32842.D	06/18/14	01:04	03:34	Matrix Spike Duplicate
JB69163-4	3P32843.D	06/18/14	01:29	03:59	(used for QC only; not part of job JB69123)
ZZZZZZ	3P32844.D	06/18/14	01:54	04:24	(unrelated sample)
JB69123-1	3P32845.D	06/18/14	02:20	04:50	345-PE-24
JB69123-2	3P32846.D	06/18/14	02:45	05:15	346-PE-25
JB69123-3	3P32847.D	06/18/14	03:10	05:40	347-DUP-5
JB69123-5	3P32848.D	06/18/14	03:36	06:06	349-PE-9
JB69123-6	3P32849.D	06/18/14	04:01	06:31	350-PE-10
OP75680-MS	3P32850.D	06/18/14	04:26	06:56	Matrix Spike
OP75680-MSD	3P32851.D	06/18/14	04:52	07:22	Matrix Spike Duplicate
JB69009-23	3P32852.D	06/18/14	05:17	07:47	(used for QC only; not part of job JB69123)
ZZZZZZ	3P32853.D	06/18/14	05:42	08:12	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1406-DFTPP	**Injection Date:**	06/17/14
Lab File ID:	3P32833.D	**Injection Time:**	21:30
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3P32854.D	06/18/14	06:08	08:38	(unrelated sample)
ZZZZZZ	3P32855.D	06/18/14	06:33	09:03	(unrelated sample)
ZZZZZZ	3P32856.D	06/18/14	06:58	09:28	(unrelated sample)
ZZZZZZ	3P32857.D	06/18/14	07:24	09:54	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1417-DFTPP
Lab File ID: 3P33175.D
Instrument ID: GCMS3P
Injection Date: 06/26/14
Injection Time: 09:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	7228	30.1		Pass
68	Less than 2.0% of mass 69	131	0.55	(1.39) [a]	Pass
69	Mass 69 relative abundance	9406	39.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	10197	42.5		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	23975	100.0		Pass
199	5.0 - 9.0% of mass 198	1506	6.28		Pass
275	10.0 - 30.0% of mass 198	6952	29.0		Pass
365	1.0 - 100.0% of mass 198	911	3.80		Pass
441	Present, but less than mass 443	2490	10.4	(85.7) [b]	Pass
442	40.0 - 100.0% of mass 198	15893	66.3		Pass
443	17.0 - 23.0% of mass 442	2906	12.1	(18.3) [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
E3P1417-ICC1417	3P33176.D	06/26/14	09:46	00:10	Initial cal 50
E3P1417-IC1417	3P33177.D	06/26/14	10:20	00:44	Initial cal 100
E3P1417-IC1417	3P33178.D	06/26/14	10:45	01:09	Initial cal 1
E3P1417-IC1417	3P33179.D	06/26/14	11:11	01:35	Initial cal 80
E3P1417-IC1417	3P33180.D	06/26/14	11:36	02:00	Initial cal 2
E3P1417-IC1417	3P33181.D	06/26/14	12:02	02:26	Initial cal 5
E3P1417-IC1417	3P33182.D	06/26/14	12:27	02:51	Initial cal 25
E3P1417-IC1417	3P33183.D	06/26/14	12:52	03:16	Initial cal 10
E3P1417-ICV1417	3P33184.D	06/26/14	13:30	03:54	Initial cal verification 50
E3P1417-ICV1417	3P33185.D	06/26/14	13:55	04:19	Initial cal verification 50
E3P1417-ICV1417	3P33186.D	06/26/14	14:20	04:44	Initial cal verification 50
E3P1417-ICV1417	3P33187.D	06/26/14	14:46	05:10	Initial cal verification 50
E3P1417-ICV1417	3P33188.D	06/26/14	15:11	05:35	Initial cal verification 50
E3P1417-ICV1417	3P33189.D	06/26/14	15:36	06:00	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1419-DFTPP
Lab File ID: 3P33222.D
Instrument ID: GCMS3P
Injection Date: 06/27/14
Injection Time: 09:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	9083	30.4		Pass
68	Less than 2.0% of mass 69	100	0.33	(0.88) [a]	Pass
69	Mass 69 relative abundance	11350	38.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	12710	42.6		Pass
197	Less than 1.04% of mass 198	96	0.32		Pass
198	Base peak, 100% relative abundance	29866	100.0		Pass
199	5.0 - 9.0% of mass 198	2081	6.97		Pass
275	10.0 - 30.0% of mass 198	7983	26.7		Pass
365	1.0 - 100.0% of mass 198	985	3.30		Pass
441	Present, but less than mass 443	2837	9.50	(76.3) [b]	Pass
442	40.0 - 100.0% of mass 198	18471	61.8		Pass
443	17.0 - 23.0% of mass 442	3716	12.4	(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
E3P1419-CC1417	3P33223.D	06/27/14	09:39	00:09	Continuing cal 25
E3P1419-CC1390	3P33224.D	06/27/14	10:07	00:37	Continuing cal 25
OP75676-MB1	3P33231.D	06/27/14	12:21	02:51	Method Blank
OP75839-MB1	3P33232.D	06/27/14	12:46	03:16	Method Blank
ZZZZZZ	3P33233.D	06/27/14	14:01	04:31	(unrelated sample)
OP75724-MB1	3P33250.D	06/27/14	14:26	04:56	Method Blank
ZZZZZZ	3P33251.D	06/27/14	14:52	05:22	(unrelated sample)
ZZZZZZ	3P33252.D	06/27/14	15:17	05:47	(unrelated sample)
ZZZZZZ	3P33234.D	06/27/14	15:42	06:12	(unrelated sample)
ZZZZZZ	3P33235.D	06/27/14	16:07	06:37	(unrelated sample)
ZZZZZZ	3P33236.D	06/27/14	16:33	07:03	(unrelated sample)
ZZZZZZ	3P33237.D	06/27/14	16:58	07:28	(unrelated sample)
ZZZZZZ	3P33238.D	06/27/14	17:23	07:53	(unrelated sample)
ZZZZZZ	3P33239.D	06/27/14	17:48	08:18	(unrelated sample)
ZZZZZZ	3P33240.D	06/27/14	18:13	08:43	(unrelated sample)
ZZZZZZ	3P33241.D	06/27/14	18:39	09:09	(unrelated sample)
ZZZZZZ	3P33242.D	06/27/14	19:04	09:34	(unrelated sample)
ZZZZZZ	3P33243.D	06/27/14	19:29	09:59	(unrelated sample)
ZZZZZZ	3P33244.D	06/27/14	19:54	10:24	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1419-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	3P33222.D	**Injection Time:**	09:30
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3P33245.D	06/27/14	20:19	10:49	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P357-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	6P8272.D	**Injection Time:**	14:55
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	42873	39.6		Pass
68	Less than 2.0% of mass 69	807	0.75	(1.64) [a]	Pass
69	Mass 69 relative abundance	49257	45.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	54181	50.0		Pass
197	Less than 1.0% of mass 198	865	0.80		Pass
198	Base peak, 100% relative abundance	108309	100.0		Pass
199	5.0 - 9.0% of mass 198	7564	6.98		Pass
275	10.0 - 30.0% of mass 198	25824	23.8		Pass
365	1.0 - 100.0% of mass 198	3072	2.84		Pass
441	Present, but less than mass 443	12025	11.1	(71.6) [b]	Pass
442	40.0 - 100.0% of mass 198	85371	78.8		Pass
443	17.0 - 23.0% of mass 442	16799	15.5	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P357-IC357	6P8273.D	06/26/14	15:08	00:13	Initial cal 100
E6P357-IC357	6P8274.D	06/26/14	15:36	00:41	Initial cal 1
E6P357-IC357	6P8275.D	06/26/14	16:04	01:09	Initial cal 80
E6P357-IC357	6P8276.D	06/26/14	16:33	01:38	Initial cal 10
E6P357-ICC357	6P8277.D	06/26/14	17:01	02:06	Initial cal 50
E6P357-IC357	6P8278.D	06/26/14	17:29	02:34	Initial cal 5
E6P357-IC357	6P8279.D	06/26/14	17:58	03:03	Initial cal 2
E6P357-IC357	6P8280.D	06/26/14	18:25	03:30	Initial cal 25

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P358-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	6P8281.D	**Injection Time:**	18:48
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	55737	38.9		Pass
68	Less than 2.0% of mass 69	1030	0.72	(1.65) [a]	Pass
69	Mass 69 relative abundance	62368	43.5		Pass
70	Less than 2.0% of mass 69	439	0.31	(0.70) [a]	Pass
127	40.0 - 60.0% of mass 198	67653	47.2		Pass
197	Less than 1.0% of mass 198	714	0.50		Pass
198	Base peak, 100% relative abundance	143371	100.0		Pass
199	5.0 - 9.0% of mass 198	9456	6.60		Pass
275	10.0 - 30.0% of mass 198	35560	24.8		Pass
365	1.0 - 100.0% of mass 198	4377	3.05		Pass
441	Present, but less than mass 443	18287	12.8	(73.9) [b]	Pass
442	40.0 - 100.0% of mass 198	130093	90.7		Pass
443	17.0 - 23.0% of mass 442	24733	17.3	(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
E6P358-IC358	6P8282.D	06/26/14	19:01	00:13	Initial cal 100
E6P358-IC358	6P8283.D	06/26/14	19:30	00:42	Initial cal 1
E6P358-IC358	6P8284.D	06/26/14	19:58	01:10	Initial cal 80
E6P358-IC358	6P8285.D	06/26/14	20:26	01:38	Initial cal 10
E6P358-ICC358	6P8286.D	06/26/14	20:54	02:06	Initial cal 50
E6P358-IC358	6P8287.D	06/26/14	21:23	02:35	Initial cal 5
E6P358-IC358	6P8288.D	06/26/14	21:51	03:03	Initial cal 2
E6P358-IC358	6P8289.D	06/26/14	22:19	03:31	Initial cal 25
E6P358-ICV357	6P8290.D	06/26/14	22:47	03:59	Initial cal verification 50
E6P358-ICV358	6P8291A.D	06/26/14	23:15	04:27	Initial cal verification 50
E6P358-ICV357	6P8291.D	06/26/14	23:15	04:27	Initial cal verification 50
E6P358-ICV357	6P8292B.D	06/26/14	23:44	04:56	Initial cal verification 50
E6P358-ICV358	6P8292A.D	06/26/14	23:44	04:56	Initial cal verification 50
E6P358-ICV357	6P8293.D	06/27/14	00:12	05:24	Initial cal verification 50
E6P358-ICV358	6P8294A.D	06/27/14	00:40	05:52	Initial cal verification 50
E6P358-ICV357	6P8294.D	06/27/14	00:40	05:52	Initial cal verification 50
E6P358-ICV358	6P8295.D	06/27/14	01:08	06:20	Initial cal verification 50
E6P358-ICV357	6P8296.D	06/27/14	01:36	06:48	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P362-DFTPP	**Injection Date:**	07/01/14
Lab File ID:	6P8380.D	**Injection Time:**	09:38
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	44446	37.0		Pass
68	Less than 2.0% of mass 69	568	0.47	(1.10) [a]	Pass
69	Mass 69 relative abundance	51451	42.8		Pass
70	Less than 2.0% of mass 69	120	0.10	(0.23) [a]	Pass
127	40.0 - 60.0% of mass 198	55897	46.5		Pass
197	Less than 1.0% of mass 198	801	0.67		Pass
198	Base peak, 100% relative abundance	120165	100.0		Pass
199	5.0 - 9.0% of mass 198	7782	6.48		Pass
275	10.0 - 30.0% of mass 198	31865	26.5		Pass
365	1.0 - 100.0% of mass 198	3712	3.09		Pass
441	Present, but less than mass 443	14907	12.4	(75.0) [b]	Pass
442	40.0 - 100.0% of mass 198	104405	86.9		Pass
443	17.0 - 23.0% of mass 442	19877	16.5	(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
E6P362-CC357	6P8381.D	07/01/14	09:53	00:15	Continuing cal 25
E6P362-CC358	6P8382.D	07/01/14	10:30	00:52	Continuing cal 25
OP75710-MB1	6P8384.D	07/01/14	11:42	02:04	Method Blank
ZZZZZZ	6P8385.D	07/01/14	12:10	02:32	(unrelated sample)
ZZZZZZ	6P8386.D	07/01/14	12:38	03:00	(unrelated sample)
ZZZZZZ	6P8387.D	07/01/14	13:06	03:28	(unrelated sample)
ZZZZZZ	6P8388.D	07/01/14	13:35	03:57	(unrelated sample)
ZZZZZZ	6P8389.D	07/01/14	14:03	04:25	(unrelated sample)
ZZZZZZ	6P8390.D	07/01/14	14:31	04:53	(unrelated sample)
ZZZZZZ	6P8391.D	07/01/14	15:00	05:22	(unrelated sample)
ZZZZZZ	6P8392.D	07/01/14	15:28	05:50	(unrelated sample)
ZZZZZZ	6P8393.D	07/01/14	15:57	06:19	(unrelated sample)
ZZZZZZ	6P8394.D	07/01/14	16:25	06:47	(unrelated sample)
ZZZZZZ	6P8395.D	07/01/14	16:54	07:16	(unrelated sample)
ZZZZZZ	6P8396.D	07/01/14	17:22	07:44	(unrelated sample)
ZZZZZZ	6P8397.D	07/01/14	17:51	08:13	(unrelated sample)
ZZZZZZ	6P8399.D	07/01/14	18:48	09:10	(unrelated sample)
ZZZZZZ	6P8400.D	07/01/14	19:17	09:39	(unrelated sample)
ZZZZZZ	6P8401.D	07/01/14	19:45	10:07	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P362-DFTPP	**Injection Date:**	07/01/14
Lab File ID:	6P8380.D	**Injection Time:**	09:38
Instrument ID:	GCMS6P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	6P8402.D	07/01/14	20:14	10:36	(unrelated sample)
ZZZZZZ	6P8404.D	07/01/14	21:10	11:32	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5692-DFTPP	**Injection Date:**	06/11/14
Lab File ID:	F35905.D	**Injection Time:**	20:23
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	20813	35.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	25234	43.3		Pass
70	Less than 2.0% of mass 69	143	0.25	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	32378	55.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	58298	100.0		Pass
199	5.0 - 9.0% of mass 198	4043	6.94		Pass
275	10.0 - 30.0% of mass 198	12104	20.8		Pass
365	1.0 - 100.0% of mass 198	1588	2.72		Pass
441	Present, but less than mass 443	5976	10.3	(78.8) [b]	Pass
442	40.0 - 100.0% of mass 198	38349	65.8		Pass
443	17.0 - 23.0% of mass 442	7588	13.0	(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
EF5692-ICC5692	F35906.D	06/11/14	20:36	00:13	Initial cal 50
EF5692-IC5692	F35907.D	06/11/14	21:05	00:42	Initial cal 25
EF5692-IC5692	F35908.D	06/11/14	21:35	01:12	Initial cal 100
EF5692-IC5692	F35909.D	06/11/14	22:04	01:41	Initial cal 80
EF5692-IC5692	F35910.D	06/11/14	22:33	02:10	Initial cal 10
EF5692-IC5692	F35911.D	06/11/14	23:02	02:39	Initial cal 5
EF5692-IC5692	F35912.D	06/11/14	23:32	03:09	Initial cal 2
EF5692-IC5692	F35913.D	06/12/14	00:01	03:38	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5693-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	F35914.D	**Injection Time:**	08:50
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	25505	35.6		Pass
68	Less than 2.0% of mass 69	254	0.35	(0.80) [a]	Pass
69	Mass 69 relative abundance	31648	44.2		Pass
70	Less than 2.0% of mass 69	153	0.21	(0.48) [a]	Pass
127	40.0 - 60.0% of mass 198	39592	55.2		Pass
197	Less than 1.0% of mass 198	54	0.08		Pass
198	Base peak, 100% relative abundance	71669	100.0		Pass
199	5.0 - 9.0% of mass 198	5085	7.10		Pass
275	10.0 - 30.0% of mass 198	15287	21.3		Pass
365	1.0 - 100.0% of mass 198	1838	2.56		Pass
441	Present, but less than mass 443	7950	11.1	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	50114	69.9		Pass
443	17.0 - 23.0% of mass 442	10255	14.3	(20.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF5693-ICC5693	F35915.D	06/12/14	09:02	00:12	Initial cal 50
EF5693-IC5693	F35916.D	06/12/14	09:30	00:40	Initial cal 25
EF5693-IC5693	F35917.D	06/12/14	09:59	01:09	Initial cal 100
EF5693-IC5693	F35918.D	06/12/14	10:28	01:38	Initial cal 80
EF5693-IC5693	F35919.D	06/12/14	10:57	02:07	Initial cal 10
EF5693-IC5693	F35920.D	06/12/14	11:26	02:36	Initial cal 5
EF5693-IC5693	F35921.D	06/12/14	11:55	03:05	Initial cal 2
EF5693-IC5693	F35922.D	06/12/14	12:24	03:34	Initial cal 1
EF5693-ICV5693	F35924A.D	06/12/14	13:22	04:32	Initial cal verification 50
EF5693-ICV5692	F35924.D	06/12/14	13:22	04:32	Initial cal verification 50
EF5693-ICV5692	F35925.D	06/12/14	13:51	05:01	Initial cal verification 50
EF5693-ICV5693	F35925A.D	06/12/14	13:51	05:01	Initial cal verification 50
EF5693-ICV5692	F35926.D	06/12/14	14:20	05:30	Initial cal verification 50
EF5693-ICV5692	F35927.D	06/12/14	14:49	05:59	Initial cal verification 50
EF5693-ICV5692	F35928.D	06/12/14	15:18	06:28	Initial cal verification 50
EF5693-ICV5693	F35928A.D	06/12/14	15:18	06:28	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5695-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	F35955.D	**Injection Time:**	07:31
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14273	31.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17948	39.8		Pass
70	Less than 2.0% of mass 69	121	0.27	(0.67) [a]	Pass
127	40.0 - 60.0% of mass 198	23496	52.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	45120	100.0		Pass
199	5.0 - 9.0% of mass 198	3091	6.85		Pass
275	10.0 - 30.0% of mass 198	9685	21.5		Pass
365	1.0 - 100.0% of mass 198	1281	2.84		Pass
441	Present, but less than mass 443	5493	12.2	(77.6) [b]	Pass
442	40.0 - 100.0% of mass 198	35133	77.9		Pass
443	17.0 - 23.0% of mass 442	7083	15.7	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF5695-ICV5692	F35957.D	06/13/14	08:24	00:53	Initial cal verification 50
EF5695-ICV5693	F35958.D	06/13/14	08:54	01:23	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5702-DFTPP	**Injection Date:**	06/18/14
Lab File ID:	F36117.D	**Injection Time:**	20:02
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13983	32.3		Pass
68	Less than 2.0% of mass 69	183	0.42	(0.97) [a]	Pass
69	Mass 69 relative abundance	18832	43.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23256	53.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	43232	100.0		Pass
199	5.0 - 9.0% of mass 198	2958	6.84		Pass
275	10.0 - 30.0% of mass 198	9565	22.1		Pass
365	1.0 - 100.0% of mass 198	1150	2.66		Pass
441	Present, but less than mass 443	5028	11.6	(82.3) [b]	Pass
442	40.0 - 100.0% of mass 198	31391	72.6		Pass
443	17.0 - 23.0% of mass 442	6109	14.1	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF5702-IC5702	F36118.D	06/18/14	20:25	00:23	Initial cal 100
EF5702-IC5702	F36119.D	06/18/14	20:53	00:51	Initial cal 80
EF5702-ICC5702	F36120.D	06/18/14	21:22	01:20	Initial cal 50
EF5702-IC5702	F36121.D	06/18/14	21:50	01:48	Initial cal 25
EF5702-IC5702	F36122.D	06/18/14	22:19	02:17	Initial cal 10
EF5702-IC5702	F36123.D	06/18/14	22:47	02:45	Initial cal 5
EF5702-IC5702	F36124.D	06/18/14	23:16	03:14	Initial cal 2
EF5702-IC5702	F36125.D	06/18/14	23:44	03:42	Initial cal 1
EF5702-IC5702	F36126.D	06/19/14	00:13	04:11	Initial cal 100
EF5702-IC5702	F36127.D	06/19/14	00:41	04:39	Initial cal 80
EF5702-IC5702	F36128.D	06/19/14	01:09	05:07	Initial cal 50
EF5702-IC5702	F36129.D	06/19/14	01:38	05:36	Initial cal 25
EF5702-IC5702	F36130.D	06/19/14	02:06	06:04	Initial cal 10
EF5702-IC5702	F36131.D	06/19/14	02:34	06:32	Initial cal 5
EF5702-IC5702	F36132.D	06/19/14	03:03	07:01	Initial cal 2
EF5702-IC5702	F36133.D	06/19/14	03:31	07:29	Initial cal 1
EF5702-ICV5702	F36134.D	06/19/14	03:59	07:57	Initial cal verification 50
EF5702-ICV5702	F36136.D	06/19/14	04:56	08:54	Initial cal verification 50
EF5702-ICV5702	F36137.D	06/19/14	05:24	09:22	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5702-DFTPP	**Injection Date:**	06/18/14
Lab File ID:	F36117.D	**Injection Time:**	20:02
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF5702-ICV5702	F36138.D	06/19/14	05:53	09:51	Initial cal verification 50
EF5702-ICV5702	F36139.D	06/19/14	06:21	10:19	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EF5710-DFTPP
Lab File ID: F36367.D
Instrument ID: GCMSF
Injection Date: 06/25/14
Injection Time: 16:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11054	31.1		Pass
68	Less than 2.0% of mass 69	138	0.39	(0.94) [a]	Pass
69	Mass 69 relative abundance	14648	41.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18877	53.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	35557	100.0		Pass
199	5.0 - 9.0% of mass 198	2374	6.68		Pass
275	10.0 - 30.0% of mass 198	7807	22.0		Pass
365	1.0 - 100.0% of mass 198	901	2.53		Pass
441	Present, but less than mass 443	4388	12.3	(82.3) [b]	Pass
442	40.0 - 100.0% of mass 198	28230	79.4		Pass
443	17.0 - 23.0% of mass 442	5334	15.0	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF5710-CC5692	F36368.D	06/25/14	16:58	00:14	Continuing cal 25
EF5710-CC5693	F36369.D	06/25/14	17:33	00:49	Continuing cal 25
EF5710-CC5702	F36371.D	06/25/14	18:32	01:48	Continuing cal 50
OP75607-MB1	F36373.D	06/25/14	19:30	02:46	Method Blank
JB69123-7	F36374.D	06/25/14	19:59	03:15	351-FB-13
ZZZZZZ	F36375.D	06/25/14	20:28	03:44	(unrelated sample)
ZZZZZZ	F36376.D	06/25/14	20:58	04:14	(unrelated sample)
ZZZZZZ	F36377.D	06/25/14	21:27	04:43	(unrelated sample)
ZZZZZZ	F36378.D	06/25/14	21:56	05:12	(unrelated sample)
ZZZZZZ	F36379.D	06/25/14	22:25	05:41	(unrelated sample)
ZZZZZZ	F36380.D	06/25/14	22:54	06:10	(unrelated sample)
ZZZZZZ	F36381.D	06/25/14	23:23	06:39	(unrelated sample)
ZZZZZZ	F36382.D	06/25/14	23:52	07:08	(unrelated sample)
ZZZZZZ	F36383.D	06/26/14	00:22	07:38	(unrelated sample)
ZZZZZZ	F36384.D	06/26/14	00:51	08:07	(unrelated sample)
ZZZZZZ	F36385.D	06/26/14	01:20	08:36	(unrelated sample)
ZZZZZZ	F36386.D	06/26/14	01:48	09:04	(unrelated sample)
JB69374-1	F36387.D	06/26/14	02:17	09:33	(used for QC only; not part of job JB69123)
OP75763-MS	F36388.D	06/26/14	02:47	10:03	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EF5710-DFTPP	**Injection Date:**	06/25/14
Lab File ID:	F36367.D	**Injection Time:**	16:44
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75763-MSD	F36389.D	06/26/14	03:16	10:32	Matrix Spike Duplicate
JB69403-11	F36390.D	06/26/14	03:45	11:01	(used for QC only; not part of job JB69123)
ZZZZZZ	F36391.D	06/26/14	04:14	11:30	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EZ4569-DFTPP
Lab File ID: Z91825.D
Instrument ID: GCMSZ
Injection Date: 05/24/14
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	103200	43.9		Pass
68	Less than 2.0% of mass 69	132	0.06	(0.13) [a]	Pass
69	Mass 69 relative abundance	99905	42.5		Pass
70	Less than 2.0% of mass 69	389	0.17	(0.39) [a]	Pass
127	40.0 - 60.0% of mass 198	120829	51.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	234944	100.0		Pass
199	5.0 - 9.0% of mass 198	15620	6.65		Pass
275	10.0 - 30.0% of mass 198	54928	23.4		Pass
365	1.0 - 100.0% of mass 198	7584	3.23		Pass
441	Present, but less than mass 443	25762	11.0	(73.6) [b]	Pass
442	40.0 - 100.0% of mass 198	180613	76.9		Pass
443	17.0 - 23.0% of mass 442	35018	14.9	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4569-IC4569	Z91826.D	05/24/14	10:56	00:19	Initial cal 100
EZ4569-IC4569	Z91827.D	05/24/14	11:21	00:44	Initial cal 80
EZ4569-IC4569	Z91828.D	05/24/14	11:46	01:09	Initial cal 2
EZ4569-ICC4569	Z91829.D	05/24/14	12:12	01:35	Initial cal 50
EZ4569-IC4569	Z91830.D	05/24/14	12:37	02:00	Initial cal 25
EZ4569-IC4569	Z91831.D	05/24/14	13:03	02:26	Initial cal 1
EZ4569-IC4569	Z91832.D	05/24/14	13:28	02:51	Initial cal 5
EZ4569-IC4569	Z91833.D	05/24/14	13:53	03:16	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4571-DFTPP	**Injection Date:**	05/27/14
Lab File ID:	Z91850.D	**Injection Time:**	11:17
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	75914	41.7		Pass
68	Less than 2.0% of mass 69	409	0.22	(0.55) [a]	Pass
69	Mass 69 relative abundance	74198	40.8		Pass
70	Less than 2.0% of mass 69	370	0.20	(0.50) [a]	Pass
127	40.0 - 60.0% of mass 198	90865	49.9		Pass
197	Less than 1.0% of mass 198	582	0.32		Pass
198	Base peak, 100% relative abundance	181938	100.0		Pass
199	5.0 - 9.0% of mass 198	12334	6.78		Pass
275	10.0 - 30.0% of mass 198	43512	23.9		Pass
365	1.0 - 100.0% of mass 198	6452	3.55		Pass
441	Present, but less than mass 443	22306	12.3	(74.3) [b]	Pass
442	40.0 - 100.0% of mass 198	154616	85.0		Pass
443	17.0 - 23.0% of mass 442	30040	16.5	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4571-IC4571	Z91851.D	05/27/14	11:28	00:11	Initial cal 100
EZ4571-IC4571	Z91852.D	05/27/14	11:54	00:37	Initial cal 80
EZ4571-ICC4571	Z91853.D	05/27/14	12:19	01:02	Initial cal 50
EZ4571-IC4571	Z91854.D	05/27/14	12:45	01:28	Initial cal 25
EZ4571-IC4571	Z91855.D	05/27/14	13:11	01:54	Initial cal 10
EZ4571-IC4571	Z91856.D	05/27/14	13:36	02:19	Initial cal 5
EZ4571-IC4571	Z91857.D	05/27/14	14:01	02:44	Initial cal 2
EZ4571-IC4571	Z91858.D	05/27/14	14:27	03:10	Initial cal 1
EZ4571-ICV4569	Z91860.D	05/27/14	15:17	04:00	Initial cal verification 50
EZ4571-ICV4571	Z91860A.D	05/27/14	15:17	04:00	Initial cal verification 50
EZ4571-ICV4569	Z91861.D	05/27/14	15:43	04:26	Initial cal verification 50
EZ4571-ICV4571	Z91861A.D	05/27/14	15:43	04:26	Initial cal verification 50
EZ4571-ICV4569	Z91862.D	05/27/14	16:08	04:51	Initial cal verification 50
EZ4571-ICV4569	Z91863A.D	05/27/14	16:34	05:17	Initial cal verification 50
EZ4571-ICV4571	Z91863.D	05/27/14	16:34	05:17	Initial cal verification 50
EZ4571-ICV4569	Z91864.D	05/27/14	16:59	05:42	Initial cal verification 50
EZ4571-ICV4571	Z91865.D	05/27/14	17:25	06:08	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4572-DFTPP	**Injection Date:**	05/27/14
Lab File ID:	Z91867.D	**Injection Time:**	20:53
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	63223	38.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	61130	37.5		Pass
70	Less than 2.0% of mass 69	234	0.14	(0.38) [a]	Pass
127	40.0 - 60.0% of mass 198	77488	47.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	162856	100.0		Pass
199	5.0 - 9.0% of mass 198	10703	6.57		Pass
275	10.0 - 30.0% of mass 198	38849	23.9		Pass
365	1.0 - 100.0% of mass 198	5511	3.38		Pass
441	Present, but less than mass 443	19870	12.2	(72.2) [b]	Pass
442	40.0 - 100.0% of mass 198	144794	88.9		Pass
443	17.0 - 23.0% of mass 442	27528	16.9	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4572-ICV4569	Z91868.D	05/27/14	21:04	00:11	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4607-DFTPP	**Injection Date:**	06/18/14
Lab File ID:	Z92742.D	**Injection Time:**	21:48
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	56305	46.1		Pass
68	Less than 2.0% of mass 69	858	0.70	(1.50) [a]	Pass
69	Mass 69 relative abundance	57187	46.8		Pass
70	Less than 2.0% of mass 69	527	0.43	(0.92) [a]	Pass
127	40.0 - 60.0% of mass 198	71120	58.2		Pass
197	Less than 1.0% of mass 198	353	0.29		Pass
198	Base peak, 100% relative abundance	122133	100.0		Pass
199	5.0 - 9.0% of mass 198	8438	6.91		Pass
275	10.0 - 30.0% of mass 198	28851	23.6		Pass
365	1.0 - 100.0% of mass 198	5687	4.66		Pass
441	Present, but less than mass 443	12226	10.0	(82.4) [b]	Pass
442	40.0 - 100.0% of mass 198	81506	66.7		Pass
443	17.0 - 23.0% of mass 442	14839	12.1	(18.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4607-CC4569	Z92743.D	06/18/14	22:00	00:12	Continuing cal 25
EZ4607-CC4571	Z92744.D	06/18/14	22:28	00:40	Continuing cal 25
OP75724-MB1	Z92745.D	06/18/14	22:53	01:05	Method Blank
ZZZZZZ	Z92746.D	06/18/14	23:19	01:31	(unrelated sample)
ZZZZZZ	Z92747.D	06/18/14	23:44	01:56	(unrelated sample)
ZZZZZZ	Z92749.D	06/19/14	00:35	02:47	(unrelated sample)
ZZZZZZ	Z92752.D	06/19/14	01:50	04:02	(unrelated sample)
ZZZZZZ	Z92753.D	06/19/14	02:15	04:27	(unrelated sample)
ZZZZZZ	Z92754.D	06/19/14	02:41	04:53	(unrelated sample)
ZZZZZZ	Z92755.D	06/19/14	03:06	05:18	(unrelated sample)
ZZZZZZ	Z92756.D	06/19/14	03:31	05:43	(unrelated sample)
ZZZZZZ	Z92757.D	06/19/14	03:56	06:08	(unrelated sample)
ZZZZZZ	Z92758.D	06/19/14	04:21	06:33	(unrelated sample)
ZZZZZZ	Z92759.D	06/19/14	04:46	06:58	(unrelated sample)
ZZZZZZ	Z92760.D	06/19/14	05:12	07:24	(unrelated sample)
ZZZZZZ	Z92761.D	06/19/14	05:37	07:49	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4609-DFTPP	**Injection Date:**	06/19/14
Lab File ID:	Z92777.D	**Injection Time:**	19:10
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	45661	41.4		Pass
68	Less than 2.0% of mass 69	184	0.17	(0.37) [a]	Pass
69	Mass 69 relative abundance	49553	44.9		Pass
70	Less than 2.0% of mass 69	262	0.24	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	60848	55.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	110349	100.0		Pass
199	5.0 - 9.0% of mass 198	7766	7.04		Pass
275	10.0 - 30.0% of mass 198	25750	23.3		Pass
365	1.0 - 100.0% of mass 198	4594	4.16		Pass
441	Present, but less than mass 443	12609	11.4	(74.3) [b]	Pass
442	40.0 - 100.0% of mass 198	89474	81.1		Pass
443	17.0 - 23.0% of mass 442	16966	15.4	(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
EZ4609-CC4569	Z92778.D	06/19/14	19:21	00:11	Continuing cal 25
EZ4609-CC4571	Z92779.D	06/19/14	19:49	00:39	Continuing cal 25
OP75468-MB1	Z92781.D	06/19/14	20:40	01:30	Method Blank
OP75724-BS1	Z92782.D	06/19/14	21:05	01:55	Blank Spike
ZZZZZZ	Z92783.D	06/19/14	21:30	02:20	(unrelated sample)
JB69123-4	Z92784.D	06/19/14	21:56	02:46	348-PE-11
JB69291-4	Z92799.D	06/20/14	04:17	09:07	(used for QC only; not part of job JB69123)
OP75724-MS	Z92800.D	06/20/14	04:43	09:33	Matrix Spike
OP75724-MSD	Z92801.D	06/20/14	05:09	09:59	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4614-DFTPP	**Injection Date:**	06/23/14
Lab File ID:	Z92842.D	**Injection Time:**	14:00
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32604	35.2		Pass
68	Less than 2.0% of mass 69	72	0.08	(0.20) [a]	Pass
69	Mass 69 relative abundance	36887	39.8		Pass
70	Less than 2.0% of mass 69	132	0.14	(0.36) [a]	Pass
127	40.0 - 60.0% of mass 198	48108	51.9		Pass
197	Less than 1.0% of mass 198	47	0.05		Pass
198	Base peak, 100% relative abundance	92726	100.0		Pass
199	5.0 - 9.0% of mass 198	6037	6.51		Pass
275	10.0 - 30.0% of mass 198	23643	25.5		Pass
365	1.0 - 100.0% of mass 198	4829	5.21		Pass
441	Present, but less than mass 443	12728	13.7	(73.3) [b]	Pass
442	40.0 - 100.0% of mass 198	92528	99.8		Pass
443	17.0 - 23.0% of mass 442	17376	18.7	(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
EZ4614-IC4614	Z92843A.D	06/23/14	14:11	00:11	Initial cal 100
EZ4614-IC4614	Z92844.D	06/23/14	14:37	00:37	Initial cal 80
EZ4614-ICC4614	Z92845.D	06/23/14	15:03	01:03	Initial cal 50
EZ4614-IC4614	Z92846.D	06/23/14	15:29	01:29	Initial cal 25
EZ4614-IC4614	Z92847.D	06/23/14	15:55	01:55	Initial cal 10
EZ4614-IC4614	Z92848.D	06/23/14	16:21	02:21	Initial cal 5
EZ4614-IC4614	Z92849.D	06/23/14	16:46	02:46	Initial cal 2
EZ4614-IC4614	Z92850.D	06/23/14	17:12	03:12	Initial cal 1
EZ4614-ICV4614	Z92853.D	06/23/14	18:30	04:30	Initial cal verification 50
EZ4614-ICV4614	Z92855.D	06/23/14	19:21	05:21	Initial cal verification 50
EZ4614-ICV4614	Z92856.D	06/23/14	19:47	05:47	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4615-DFTPP	**Injection Date:**	06/24/14
Lab File ID:	Z92861.D	**Injection Time:**	11:23
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	30743	40.6		Pass
68	Less than 2.0% of mass 69	129	0.17	(0.39) [a]	Pass
69	Mass 69 relative abundance	33090	43.7		Pass
70	Less than 2.0% of mass 69	73	0.10	(0.22) [a]	Pass
127	40.0 - 60.0% of mass 198	41680	55.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	75682	100.0		Pass
199	5.0 - 9.0% of mass 198	4679	6.18		Pass
275	10.0 - 30.0% of mass 198	18031	23.8		Pass
365	1.0 - 100.0% of mass 198	4376	5.78		Pass
441	Present, but less than mass 443	10077	13.3	(79.3) [b]	Pass
442	40.0 - 100.0% of mass 198	63669	84.1		Pass
443	17.0 - 23.0% of mass 442	12704	16.8	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4615-ICC4615	Z92862.D	06/24/14	11:35	00:12	Initial cal 50
EZ4615-IC4615	Z92863.D	06/24/14	12:01	00:38	Initial cal 100
EZ4615-IC4615	Z92864.D	06/24/14	12:27	01:04	Initial cal 1
EZ4615-IC4615	Z92865.D	06/24/14	12:53	01:30	Initial cal 2
EZ4615-IC4615	Z92866.D	06/24/14	13:18	01:55	Initial cal 5
EZ4615-IC4615	Z92867.D	06/24/14	13:44	02:21	Initial cal 10
EZ4615-IC4615	Z92868.D	06/24/14	14:36	03:13	Initial cal 25
EZ4615-IC4615	Z92869.D	06/24/14	15:02	03:39	Initial cal 80
EZ4615-ICV4615	Z92870.D	06/24/14	15:28	04:05	Initial cal verification 50
EZ4615-ICV4615	Z92871A.D	06/24/14	15:56	04:33	Initial cal verification 50
EZ4615-ICV4615	Z92872.D	06/24/14	16:23	05:00	Initial cal verification 50
EZ4615-ICV4615	Z92873.D	06/24/14	16:49	05:26	Initial cal verification 50
EZ4615-ICV4615	Z92874.D	06/24/14	17:16	05:53	Initial cal verification 50
EZ4615-ICV4615	Z92878.D	06/24/14	17:43	06:20	Initial cal verification 100

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4620-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	Z92974.D	**Injection Time:**	10:07
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	54607	38.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	61310	43.4		Pass
70	Less than 2.0% of mass 69	311	0.22	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	74856	53.0		Pass
197	Less than 1.0% of mass 198	423	0.30		Pass
198	Base peak, 100% relative abundance	141202	100.0		Pass
199	5.0 - 9.0% of mass 198	9432	6.68		Pass
275	10.0 - 30.0% of mass 198	34856	24.7		Pass
365	1.0 - 100.0% of mass 198	6705	4.75		Pass
441	Present, but less than mass 443	17400	12.3	(75.0) [b]	Pass
442	40.0 - 100.0% of mass 198	119858	84.9		Pass
443	17.0 - 23.0% of mass 442	23215	16.4	(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
EZ4620-CC4615	Z92975.D	06/27/14	10:20	00:13	Continuing cal 50
EZ4620-CC4614	Z92976.D	06/27/14	10:58	00:51	Continuing cal 50
OP75710-MB1	Z92986.D	06/27/14	12:48	02:41	Method Blank
JB69123-7	Z92979.D	06/27/14	13:14	03:07	351-FB-13
ZZZZZZ	Z92980.D	06/27/14	13:40	03:33	(unrelated sample)
ZZZZZZ	Z92981.D	06/27/14	14:06	03:59	(unrelated sample)
ZZZZZZ	Z92982.D	06/27/14	14:31	04:24	(unrelated sample)
ZZZZZZ	Z92983.D	06/27/14	14:57	04:50	(unrelated sample)
ZZZZZZ	Z92984.D	06/27/14	15:23	05:16	(unrelated sample)
ZZZZZZ	Z92985.D	06/27/14	15:49	05:42	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4621-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	Z93000.D	**Injection Time:**	22:21
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	66740	38.8		Pass
68	Less than 2.0% of mass 69	189	0.11	(0.25) [a]	Pass
69	Mass 69 relative abundance	75627	44.0		Pass
70	Less than 2.0% of mass 69	433	0.25	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	93537	54.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	171912	100.0		Pass
199	5.0 - 9.0% of mass 198	11443	6.66		Pass
275	10.0 - 30.0% of mass 198	40104	23.3		Pass
365	1.0 - 100.0% of mass 198	7758	4.51		Pass
441	Present, but less than mass 443	20524	11.9	(73.3) [b]	Pass
442	40.0 - 100.0% of mass 198	143157	83.3		Pass
443	17.0 - 23.0% of mass 442	27992	16.3	(19.6) [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
EZ4621-CC4615	Z93001.D	06/27/14	22:33	00:12	Continuing cal 25
EZ4621-CC4614	Z93002.D	06/27/14	22:58	00:37	Continuing cal 25
OP75954-MB1	Z93004A.D	06/28/14	00:00	01:39	Method Blank
OP75954-BS1	Z93005.D	06/28/14	00:26	02:05	Blank Spike
OP75954-BSD	Z93006.D	06/28/14	00:51	02:30	Blank Spike Duplicate
ZZZZZZ	Z93007.D	06/28/14	01:17	02:56	(unrelated sample)
ZZZZZZ	Z93008.D	06/28/14	01:42	03:21	(unrelated sample)
ZZZZZZ	Z93009.D	06/28/14	02:08	03:47	(unrelated sample)
JB69115-5	Z93010.D	06/28/14	02:33	04:12	(used for QC only; not part of job JB69123)
OP75710-MS	Z93012.D	06/28/14	03:24	05:03	Matrix Spike
OP75710-MSD	Z93013.D	06/28/14	03:50	05:29	Matrix Spike Duplicate
ZZZZZZ	Z93014.D	06/28/14	04:15	05:54	(unrelated sample)
ZZZZZZ	Z93015.D	06/28/14	04:40	06:19	(unrelated sample)
ZZZZZZ	Z93016.D	06/28/14	05:06	06:45	(unrelated sample)
ZZZZZZ	Z93017.D	06/28/14	05:31	07:10	(unrelated sample)
ZZZZZZ	Z93018.D	06/28/14	05:56	07:35	(unrelated sample)
ZZZZZZ	Z93019.D	06/28/14	06:21	08:00	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2M2741-CC2729	**Injection Date:**	06/19/14
Lab File ID:	2M64665.D	**Injection Time:**	10:18
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	310232	4.55	1238723	5.62	738618	7.63	1152773	9.79	1074817	13.94	716876	16.05
Upper Limit [a]	620464	5.05	2477446	6.12	1477236	8.13	2305546	10.29	2149634	14.44	1433752	16.55
Lower Limit [b]	155116	4.05	619362	5.12	369309	7.13	576387	9.29	537409	13.44	358438	15.55

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
OP75710-MB1	265948	4.55	1065256	5.61	614458	7.63	950757	9.78	788580	13.93	647520	16.04
OP75710-BS1	300366	4.55	1211528	5.62	688961	7.63	1059809	9.78	990246	13.94	705197	16.04
ZZZZZZ	228644	4.55	908568	5.61	517415	7.63	811014	9.78	659343	13.93	543587	16.04
ZZZZZZ	240230	4.55	962847	5.61	547297	7.63	839221	9.78	691052	13.93	565908	16.04
ZZZZZZ	240405	4.55	978499	5.62	565178	7.63	881160	9.78	722651	13.93	598598	16.04
ZZZZZZ	284027	4.56	1151981	5.62	656906	7.63	1028035	9.78	855718	13.94	716631	16.04
ZZZZZZ	193189	4.56	795465	5.62	447377	7.63	691967	9.78	576822	13.93	461061	16.04
ZZZZZZ	268199	4.56	1073100	5.62	620622	7.63	955111	9.78	795275	13.94	652204	16.04
ZZZZZZ	267446	4.55	1064604	5.62	606761	7.63	940257	9.78	781303	13.93	649061	16.04

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1406-CC1389	**Injection Date:**	06/17/14
Lab File ID:	3P32834.D	**Injection Time:**	21:39
Instrument ID:	GCMS3P	**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	219698	4.51	760637	5.43	413348	6.79	657323	8.58	558502	13.77	451586	16.81
Upper Limit [a]	439396	5.01	1521274	5.93	826696	7.29	1314646	9.08	1117004	14.27	903172	17.31
Lower Limit [b]	109849	4.01	380319	4.93	206674	6.29	328662	8.08	279251	13.27	225793	16.31

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
OP75680-MB1	295174	4.51	1070003	5.43	570827	6.78	868552	8.58	718606	13.77	524479	16.81
OP75680-BS1	236954	4.51	934675	5.43	446060	6.79	700800	8.58	624379	13.78	446981	16.81
OP75688-MB1	277186	4.51	1021894	5.43	543570	6.78	839068	8.58	711440	13.77	518257	16.81
OP75688-BS1	244493	4.51	960251	5.43	450003	6.79	712559	8.58	668457	13.78	496509	16.81
OP75688-MS	160169	4.51	547894	5.43	296419	6.78	471050	8.58	425776	13.77	327817	16.81
OP75688-MSD	244994	4.51	799113	5.43	437692	6.78	699174	8.58	626944	13.77	475572	16.81
JB69163-4	209142	4.51	774270	5.43	407668	6.78	608574	8.58	470160	13.77	395093	16.81
ZZZZZZ	229780	4.51	825405	5.43	445622	6.78	676173	8.58	536514	13.76	415238	16.80
JB69123-1	220451	4.51	798310	5.43	421058	6.78	649364	8.58	518222	13.76	414946	16.80
JB69123-2	217091	4.51	779254	5.42	403080	6.78	591082	8.58	480043	13.76	405254	16.81
JB69123-3	231259	4.50	839984	5.42	424206	6.78	646868	8.58	542838	13.76	449208	16.81
JB69123-5	216430	4.51	790556	5.43	412017	6.78	629929	8.58	510512	13.76	410578	16.80
JB69123-6	202522	4.51	712861	5.43	348773	6.78	530036	8.58	453435	13.76	382103	16.80
OP75680-MS	196601	4.51	666617	5.43	369195	6.78	576511	8.58	483752	13.77	382944	16.81
OP75680-MSD	178425	4.51	621645	5.43	343662	6.78	536682	8.58	451525	13.77	362092	16.80
JB69009-23	230340	4.51	837584	5.43	448850	6.78	680297	8.58	550953	13.76	437235	16.80
ZZZZZZ	227125	4.51	818014	5.43	441669	6.78	674448	8.58	514200	13.76	422032	16.80
ZZZZZZ	269931	4.51	999358	5.43	531879	6.78	764128	8.58	620372	13.79	557076	16.83
ZZZZZZ	214565	4.51	770360	5.43	373208	6.79	490679	8.59	416625	13.80	369961	16.84
ZZZZZZ	204748	4.51	755520	5.43	394282	6.79	602092	8.58	427668	13.78	353887	16.82
ZZZZZZ	204979	4.51	749824	5.43	397101	6.79	600011	8.58	444153	13.77	356665	16.82

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1419-CC1417	**Injection Date:**	06/27/14
Lab File ID:	3P33223.D	**Injection Time:**	09:39
Instrument ID:	GCMS3P	**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	302918	4.46	1006444	5.38	638114	6.72	1148938	8.49	1347345	13.66	1177608	16.71
Upper Limit [a]	605836	4.96	2012888	5.88	1276228	7.22	2297876	8.99	2694690	14.16	2355216	17.21
Lower Limit [b]	151459	3.96	503222	4.88	319057	6.22	574469	7.99	673673	13.16	588804	16.21

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
OP75676-MB1	395631	4.46	1393676	5.38	874152	6.72	1566424	8.49	1773151	13.66	1580425	16.71
OP75839-MB1	346685	4.46	1227105	5.38	757374	6.72	1326613	8.49	1410418	13.66	1190332	16.71
ZZZZZZ	357510	4.46	1181339	5.38	668217	6.72	1110165	8.49	1132628	13.67	1098199	16.72
OP75724-MB1	342432	4.46	1193095	5.38	743539	6.72	1298413	8.49	1243689	13.66	1069926	16.71
ZZZZZZ	230454	4.46	742780	5.38	454657	6.73	773659	8.50	973924	13.66	918605	16.71
ZZZZZZ	254476	4.46	783871	5.38	448563	6.72	793279	8.50	1009043	13.66	907704	16.71
ZZZZZZ	386267	4.46	1282376	5.38	747296	6.72	1217967	8.49	1228214	13.67	1136714	16.72
ZZZZZZ	376421	4.46	1290826	5.38	746574	6.72	1179310	8.50	1205735	13.67	1138998	16.72
ZZZZZZ	344134	4.46	1146639	5.38	692266	6.72	1162544	8.49	1103281	13.67	989151	16.72
ZZZZZZ	410109	4.46	1370979	5.38	787759	6.72	1260290	8.50	1281058	13.67	1215747	16.73
ZZZZZZ	347477	4.46	1150525	5.38	689757	6.72	1140164	8.50	1059344	13.67	942293	16.72
ZZZZZZ	311097	4.46	1066292	5.38	685711	6.72	1235059	8.50	1285758	13.67	1030647	16.72
ZZZZZZ	311897	4.46	1072512	5.38	642361	6.72	1087475	8.50	1075542	13.66	958683	16.72
ZZZZZZ	305996	4.46	1070000	5.38	657242	6.72	1092117	8.50	1079168	13.66	954915	16.72
ZZZZZZ	281671	4.46	950373	5.38	601158	6.72	1079948	8.50	1166793	13.67	923678	16.72
ZZZZZZ	267954	4.46	931655	5.38	583332	6.72	1056803	8.50	1127194	13.66	892754	16.71
ZZZZZZ	252996	4.46	842944	5.38	520378	6.72	991678	8.50	1104927	13.66	911888	16.72
ZZZZZZ	176640	4.46	658341	5.38	446055	6.72	900863	8.49	993989	13.66	846645	16.71

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E6P362-CC357	**Injection Date:**	07/01/14
Lab File ID:	6P8381.D	**Injection Time:**	09:53
Instrument ID:	GCMS6P	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	252134	4.54	1019146	5.62	640508	7.68	1048434	9.86	1056539	14.08	1015238	16.21
Upper Limit [a]	504268	5.04	2038292	6.12	1281016	8.18	2096868	10.36	2113078	14.58	2030476	16.71
Lower Limit [b]	126067	4.04	509573	5.12	320254	7.18	524217	9.36	528270	13.58	507619	15.71

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
OP75710-MB1	395344	4.53	1600796	5.61	1029892	7.67	1661718	9.85	1752732	14.06	1631840	16.20
ZZZZZZ	243189	4.53	984541	5.61	624127	7.66	1032404	9.85	1080068	14.06	982465	16.19
ZZZZZZ	226090	4.53	912418	5.61	571478	7.66	931805	9.85	964572	14.06	898677	16.19
ZZZZZZ	248982	4.53	1017832	5.61	645465	7.67	1062564	9.85	1139926	14.05	1053885	16.19
ZZZZZZ	236986	4.53	927617	5.61	580832	7.66	938871	9.84	998069	14.05	906745	16.18
ZZZZZZ	239062	4.53	963754	5.61	590814	7.66	945455	9.84	963464	14.05	893809	16.18
ZZZZZZ	262471	4.53	1056009	5.61	632746	7.66	978641	9.84	963248	14.05	870058	16.18
ZZZZZZ	250474	4.53	979691	5.61	600182	7.67	940686	9.85	952505	14.07	942437	16.21
ZZZZZZ	255737	4.54	1013877	5.61	625171	7.67	1051628	9.86	911400	14.09	992648	16.21
ZZZZZZ	240429	4.53	946649	5.61	584154	7.67	943377	9.85	971190	14.06	931176	16.20
ZZZZZZ	255575	4.53	1014017	5.61	604971	7.67	980311	9.86	883315	14.09	989605	16.22
ZZZZZZ	255548	4.54	1004142	5.61	619311	7.67	1000293	9.85	1032783	14.07	1011571	16.20
ZZZZZZ	267237	4.53	1047146	5.61	615516	7.67	1065807	9.86	988122	14.08	1029083	16.21
ZZZZZZ	225027	4.53	885814	5.61	523074	7.68	938837	9.86	816299	14.10	912731	16.24
ZZZZZZ	226690	4.53	928266	5.61	591271	7.67	966279	9.85	1012356	14.07	937442	16.20
ZZZZZZ	212069	4.53	856959	5.61	548599	7.67	901689	9.85	955142	14.07	904920	16.20
ZZZZZZ	224999	4.53	917603	5.61	583669	7.67	943927	9.85	1002678	14.06	954158	16.20
ZZZZZZ	216967	4.53	896235	5.61	563951	7.67	922451	9.85	1006297	14.06	956933	16.20
ZZZZZZ	218137	4.53	886562	5.61	567341	7.67	935460	9.85	1001220	14.07	939876	16.20
ZZZZZZ	227124	4.53	896770	5.61	584536	7.67	962006	9.85	1024263	14.06	968383	16.19

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EF5710-CC5692	**Injection Date:**	06/25/14
Lab File ID:	F36368.D	**Injection Time:**	16:58
Instrument ID:	GCMSF	**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	151638	4.76	560331	5.68	325605	7.12	510438	9.02	466346	14.32	377653	17.37
Upper Limit [a]	303276	5.26	1120662	6.18	651210	7.62	1020876	9.52	932692	14.82	755306	17.87
Lower Limit [b]	75819	4.26	280166	5.18	162803	6.62	255219	8.52	233173	13.82	188827	16.87

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
OP75607-MB1	189775	4.76	711597	5.68	417579	7.14	664282	9.11	644324	14.48	559854	17.55
JB69123-7 [c]	137724	4.76	505487	5.68	286055	7.14	452653	9.11	438587	14.48	388692	17.54
ZZZZZZ	186288	4.76	672420	5.68	385988	7.14	614308	9.11	595550	14.48	533388	17.55
ZZZZZZ	162504	4.76	591809	5.68	338783	7.14	538572	9.11	530507	14.47	470907	17.54
ZZZZZZ	155719	4.76	567517	5.68	322612	7.14	513479	9.11	496576	14.47	450648	17.53
ZZZZZZ	151453	4.76	557164	5.68	318443	7.14	502860	9.10	481638	14.46	437649	17.53
ZZZZZZ	180661	4.76	660137	5.68	380143	7.14	605449	9.10	588119	14.46	525285	17.53
ZZZZZZ	199851	4.76	721103	5.68	412369	7.14	653393	9.10	635472	14.46	575503	17.52
ZZZZZZ	130037	4.76	479112	5.68	287642	7.14	466366	9.09	452351	14.45	401978	17.52
ZZZZZZ	120841	4.76	449606	5.68	271338	7.14	438214	9.10	430559	14.46	378925	17.52
ZZZZZZ	176597	4.76	642847	5.68	367201	7.14	583102	9.10	570157	14.46	516546	17.52
ZZZZZZ	150584	4.76	561833	5.68	324523	7.14	519755	9.10	504467	14.46	453283	17.52
ZZZZZZ	152102	4.76	555207	5.68	315950	7.14	507082	9.10	491893	14.45	441017	17.52
ZZZZZZ	84853	4.77	427423	5.68	272890	7.13	472923	9.09	458401	14.45	395421	17.51
JB69374-1	151893	4.76	547085	5.68	302741	7.14	469179	9.10	419889	14.46	394096	17.52
OP75763-MS	149248	4.76	613325	5.68	297233	7.14	452159	9.11	424065	14.47	401427	17.54
OP75763-MSD	160947	4.76	647974	5.68	319625	7.14	486400	9.11	452390	14.48	435118	17.54
JB69403-11	177608	4.76	627344	5.68	351255	7.14	542676	9.10	532165	14.47	489924	17.54
ZZZZZZ	120127	4.76	444945	5.68	264827	7.14	427654	9.10	420048	14.47	372424	17.54

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4607-CC4569	**Injection Date:**	06/18/14
Lab File ID:	Z92743.D	**Injection Time:**	22:00
Instrument ID:	GCMSZ	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	255387	3.46	1002483	4.78	592511	6.83	986822	8.61	901616	12.29	732698	14.33
Upper Limit [a]	510774	3.96	2004966	5.28	1185022	7.33	1973644	9.11	1803232	12.79	1465396	14.83
Lower Limit [b]	127694	2.96	501242	4.28	296256	6.33	493411	8.11	450808	11.79	366349	13.83

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
OP75724-MB1	336033	3.46	1305448	4.78	758615	6.83	1243003	8.61	1008085	12.29	849520	14.33
ZZZZZZ	299547	3.46	1076095	4.78	515762	6.83	727793	8.61	662934	12.29	651136	14.33
ZZZZZZ	572341*	3.46	2276079*	4.78	1352753*	6.89	1706649	8.76	1501656	12.53	2417875*	14.54
ZZZZZZ	216029	3.46	878098	4.78	518882	6.83	767920	8.61	490772	12.29	420515	14.33
ZZZZZZ	262051	3.46	1021385	4.78	573679	6.83	898803	8.61	715883	12.29	696301	14.34
ZZZZZZ	262215	3.46	1008113	4.78	565095	6.83	925364	8.62	712525	12.31	662301	14.35
ZZZZZZ	282723	3.46	1094649	4.78	590436	6.83	927719	8.62	854118	12.33	684738	14.37
ZZZZZZ	278744	3.46	1073582	4.78	600590	6.83	944410	8.62	611819	12.31	585806	14.35
ZZZZZZ	271689	3.46	1017067	4.78	558052	6.83	793070	8.62	610993	12.31	546250	14.36
ZZZZZZ	276840	3.46	1071533	4.78	620524	6.84	911021	8.62	636427	12.30	544612	14.35
ZZZZZZ	265025	3.46	1022385	4.78	576537	6.83	889710	8.61	596304	12.30	508208	14.35
ZZZZZZ	283648	3.46	1074456	4.78	605994	6.83	908439	8.62	744676	12.30	526540	14.35
ZZZZZZ	276465	3.46	1059732	4.78	583824	6.83	918131	8.62	818888	12.30	576031	14.35
ZZZZZZ	282254	3.46	1075262	4.78	609935	6.83	946424	8.61	760376	12.30	573791	14.35

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4609-CC4569	**Injection Date:**	06/19/14
Lab File ID:	Z92778.D	**Injection Time:**	19:21
Instrument ID:	GCMSZ	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	256640	3.43	1003025	4.75	585962	6.79	1000440	8.57	962047	12.25	762412	14.29
Upper Limit [a]	513280	3.93	2006050	5.25	1171924	7.29	2000880	9.07	1924094	12.75	1524824	14.79
Lower Limit [b]	128320	2.93	501513	4.25	292981	6.29	500220	8.07	481024	11.75	381206	13.79

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
OP75468-MB1	282660	3.43	1113902	4.75	635564	6.79	1035363	8.57	908236	12.25	783749	14.29
OP75724-BS1	298917	3.43	1132888	4.75	654308	6.80	1054757	8.58	1069199	12.25	808328	14.29
ZZZZZZ	299654	3.43	1163408	4.75	666433	6.79	1023546	8.57	926029	12.25	761997	14.29
JB69123-4	305413	3.43	1137717	4.75	607096	6.79	887340	8.57	667586	12.25	575456	14.29
JB69291-4	303329	3.45	1275087	4.78	736955	6.84	1118222	8.63	374362*	12.34	370467*	14.40
OP75724-MS	285177	3.45	1118944	4.78	607745	6.84	860893	8.63	333896*	12.34	305120*	14.40
OP75724-MSD	301978	3.45	1224059	4.78	693196	6.84	1015068	8.63	337258*	12.33	281631*	14.39

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4620-CC4615 **Injection Date:** 06/27/14
Lab File ID: Z92975.D **Injection Time:** 10:20
Instrument ID: GCMSZ **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	223188	3.29	895174	4.60	550063	6.64	901467	8.41	901516	12.05	574812	14.08
Upper Limit [a]	446376	3.79	1790348	5.10	1100126	7.14	1802934	8.91	1803032	12.55	1149624	14.58
Lower Limit [b]	111594	2.79	447587	4.10	275032	6.14	450734	7.91	450758	11.55	287406	13.58
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**
OP75710-MB1	247116	3.29	1002625	4.60	598957	6.64	1029429	8.40	946888	12.04	771635	14.08
JB69123-7 [c]	203533	3.29	822362	4.60	487591	6.64	864959	8.40	903303	12.04	751846	14.08
ZZZZZZ	220953	3.29	866688	4.60	491877	6.64	809622	8.40	698027	12.04	540940	14.08
ZZZZZZ	233848	3.29	925710	4.60	531242	6.64	888047	8.40	791490	12.04	628305	14.08
ZZZZZZ	201341	3.29	799740	4.60	468595	6.64	810355	8.40	800542	12.04	706164	14.08
ZZZZZZ	230388	3.29	926497	4.60	533407	6.63	929419	8.40	872898	12.04	738381	14.08
ZZZZZZ	238100	3.29	946800	4.60	565533	6.64	977476	8.40	947326	12.04	790525	14.08
ZZZZZZ	263362	3.29	1024159	4.60	614543	6.63	1063807	8.40	1034316	12.04	861477	14.08

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) There are several compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.

Semivolatile Internal Standard Area Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4621-CC4615	**Injection Date:**	06/27/14
Lab File ID:	Z93001.D	**Injection Time:**	22:33
Instrument ID:	GCMSZ	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	203287	3.29	778678	4.60	471375	6.63	777801	8.40	793595	12.04	629670	14.07
Upper Limit [a]	406574	3.79	1557356	5.10	942750	7.13	1555602	8.90	1587190	12.54	1259340	14.57
Lower Limit [b]	101644	2.79	389339	4.10	235688	6.13	388901	7.90	396798	11.54	314835	13.57

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
OP75954-MB1	220528	3.29	853518	4.60	507821	6.64	876317	8.40	856229	12.04	770316	14.08
OP75954-BS1	206489	3.29	795314	4.60	483548	6.64	781711	8.40	892668	12.05	643691	14.08
OP75954-BSD	223738	3.29	835262	4.60	485298	6.64	784757	8.40	848667	12.05	619883	14.08
ZZZZZZ	214669	3.29	763540	4.60	379952	6.64	541654	8.40	511672	12.04	519898	14.07
ZZZZZZ	203633	3.29	757211	4.60	433537	6.63	726915	8.40	689091	12.04	637772	14.08
ZZZZZZ	206959	3.29	830088	4.60	497123	6.63	858736	8.40	843990	12.04	750601	14.07
JB69115-5	198098	3.29	786929	4.60	453893	6.63	779438	8.40	759824	12.04	673994	14.07
OP75710-MS	203339	3.29	765684	4.60	442747	6.64	692302	8.40	765462	12.05	548640	14.08
OP75710-MSD	210554	3.29	793603	4.60	461896	6.64	742256	8.40	794499	12.05	562871	14.08
ZZZZZZ	262573	3.29	932204	4.60	463976	6.63	665971	8.40	435518	12.04	328583	14.07
ZZZZZZ	235604	3.29	834457	4.60	408058	6.64	574265	8.40	368352[c]	12.04	309574[c]	14.08
ZZZZZZ	188472	3.29	666649	4.60	308743	6.64	446655	8.40	311896[c]	12.05	261763[c]	14.08
ZZZZZZ	203794	3.29	754768	4.60	403679	6.64	561408	8.40	354631[c]	12.05	269412[c]	14.08
ZZZZZZ	165316	3.29	686886	4.60	395134	6.64	569934	8.41	330363[c]	12.05	246544[c]	14.09
ZZZZZZ	166118	3.29	759668	4.60	358537	6.64	439540	8.42	284581*	12.05	238203*	14.08

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Surrogate Recovery Summary

Job Number: JB69123
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
JB69123-7	F36374.D	43	28	84	72	70	79
JB69123-7	Z92979.D	70	43	95	96	99	103
OP75710-BS1	2M64668.D	47	35	68	89	87	79
OP75710-MB1	2M64667.D	51	35	64	92	83	87
OP75710-MB1	Z92986.D	63	39	85	96	99	104
OP75710-MB1	6P8384.D	62	46	85	94	82	83
OP75710-MS	Z93012.D	86	64	101	98	97	91
OP75710-MSD	Z93013.D	87	68	107	102	103	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: JB69123
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
JB69123-1	3P32845.D	63	61	74	73	72	84
JB69123-2	3P32846.D	65	67	86	78	78	89
JB69123-3	3P32847.D	58	63	75	67	68	79
JB69123-4	Z92784.D	66	67	101	89	80	95
JB69123-5	3P32848.D	57	61	75	60	61	80
JB69123-6	3P32849.D	56	56	60	62	63	60
OP75688-BS1	3P32840.D	73	75	87	71	78	87
OP75688-MB1	3P32839.D	79	82	90	93	92	99
OP75688-MS	3P32841.D	65	68	81	73	70	83
OP75688-MSD	3P32842.D	59	64	74	66	62	80
OP75724-BS1	Z92782.D	72	75	107	96	85	87
OP75724-MB1	Z92745.D	69	70	97	94	81	104
OP75724-MB1	3P33250.D	73	74	82	83	82	102
OP75724-MS	Z92800.D	34	68	119	82	88	85
OP75724-MSD	Z92801.D	29	57	107	66	77	96

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	20-123%
S4 = Nitrobenzene-d5	10-110%
S5 = 2-Fluorobiphenyl	17-110%
S6 = Terphenyl-d14	30-124%

Initial Calibration Summary

Job Number: JB69123 **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: JB69123 **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

Initial Calibration Summary

Job Number: JB69123
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

Initial Calibration Summary

Job Number: JB69123 **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

Initial Calibration Verification

Job Number: JB69123 **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

8.7.3

8

Initial Calibration Verification

Job Number: JB69123 **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: JB69123 **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

8.7.4

8

Initial Calibration Verification

Job Number: JB69123 **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

8.7.5

8

Initial Calibration Verification

Job Number: JB69123 **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

Initial Calibration Verification

Job Number: JB69123 **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

8.7.7

Initial Calibration Verification

Job Number: JB69123 **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

8.7.8

Initial Calibration Verification

Job Number: JB69123 **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

8.7.9

Initial Calibration Verification

Job Number: JB69123 **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

8.7.10

8

Initial Calibration Verification

Job Number: JB69123 **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

8.7.11

8

Initial Calibration Verification

Job Number: JB69123 **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

8.7.12

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E2M2741-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64665.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2741\2M64665.D Vial: 2
Acq On : 19 Jun 2014 10:18 am Operator: saumilp
Sample : CC2729-50 Inst : MS2M
Misc : op75642,E2M2741 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 .25umThu Jun 19 13:18:05 2014
Last Update : Thu Jun 19 13:18:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	130	0.00	4.55
2	t	1,4-Dioxane	0.803	0.647	19.4	106	0.00	2.08
3	t	Pyridine	1.923	1.539	20.0	104	0.00	2.47
4	t	N-Nitrosodimethylamine	1.081	0.811	25.0#	97	0.00	2.43
5	S	2-Fluorophenol	1.568	1.173	25.2#	96	0.00	3.65
6	t	Indene	2.779	2.789	-0.4	135	0.00	4.75
7	t	Cumene	4.288	4.233	1.3	132	0.00	3.95
8	S	Phenol-d5	2.036	1.597	21.6#	102	0.00	4.37
9	t	Phenol	2.332	1.878	19.5	105	0.00	4.38
10		Aniline	2.740	0.799	70.8#	39#	0.00	4.35
11	t	bis(2-Chloroethyl)ether	1.576	1.435	8.9	121	0.00	4.37
12	t	2-Chlorophenol	1.688	1.427	15.5	111	0.00	4.43
13	t	Decane	1.127	1.222	-8.4	149	0.00	4.41
14	t	1,3-Dichlorobenzene	1.838	1.595	13.2	114	0.00	4.51
15	t	1,4-Dichlorobenzene	1.865	1.640	12.1	118	0.00	4.57
16	t	Benzyl alcohol	1.203	0.933	22.4#	99	0.00	4.69
17	t	1,2-Dichlorobenzene	1.728	1.549	10.4	119	0.00	4.68
18	t	Acetophenone	2.311	2.412	-4.4	148	0.00	4.88
19	t	2-Methylphenol	1.579	1.324	16.1	111	0.00	4.81
20	t	2,2'-oxybis(1-Chloropropa	1.423	1.493	-4.9	145	0.00	4.76
21	t	3&4-Methylphenol	1.568	1.444	7.9	127	0.00	4.93
22	t	n-Nitroso-di-n-propylamin	1.000	1.015	-1.5	142	0.00	4.88
23	t	Hexachloroethane	0.519	0.507	2.3	127	0.00	4.94
24	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00	5.62
25	S	Nitrobenzene-d5	0.423	0.395	6.6	120	0.00	5.00
26	t	Nitrobenzene	0.440	0.428	2.7	124	0.00	5.02
27	t	Quinoline	0.826	0.770	6.8	118	0.00	6.00
28	t	Isophorone	0.777	0.675	13.1	112	0.00	5.21
29	t	2-Nitrophenol	0.213	0.190	10.8	107	0.00	5.29
30	t	2,4-Dimethylphenol	0.412	0.363	11.9	112	0.00	5.36
31	t	Benzoic acid	0.295	0.249	15.6	95	0.00	5.51
32	t	bis(2-Chloroethoxy)methan	0.436	0.364	16.5	108	0.00	5.39
33	t	2,4-Dichlorophenol	0.298	0.273	8.4	113	0.00	5.53
34	t	2,6-Dichlorophenol	0.297	0.278	6.4	119	0.00	5.73
35		1,3,5-Trichlorobenzene	0.342	0.361	-5.6	136	0.00	5.27
36	t	1,2,4-Trichlorobenzene	0.324	0.291	10.2	115	0.00	5.56
37		1,2,3-Trichlorobenzene	0.324	0.336	-3.7	134	0.00	5.78
38	t	Naphthalene	1.209	1.078	10.8	117	0.00	5.64
39	t	4-Chloroaniline	0.501	0.294	41.3#	75	0.00	5.73
40	t	2,3-Dichloroaniline	0.368	0.400	-8.7	139	0.00	6.71
41	t	Caprolactam	0.149	0.168	-12.8	137	0.00	6.11

8.7.13

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E2M2741-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64665.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.154	0.161	-4.5	134	0.00	5.75
43	t	4-Chloro-3-methylphenol	0.359	0.336	6.4	114	0.00	6.28
44	t	2-Methylnaphthalene	0.666	0.612	8.1	119	0.00	6.35
45	t	1-Methylnaphthalene	0.773	0.791	-2.3	132	0.00	6.46
46	t	Dimethylnaphthalene	0.677	0.733	-8.3	137	0.00	7.09
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	7.63
48	t	Hexachlorocyclopentadiene	0.278	0.322	-15.8	140	0.00	6.52
49	t	2,4,6-Trichlorophenol	0.336	0.328	2.4	126	0.00	6.72
50	t	2,4,5-Trichlorophenol	0.370	0.342	7.6	119	0.00	6.79
51	S	2-Fluorobiphenyl	1.351	1.204	10.9	124	0.00	6.78
52	t	2-Chloronaphthalene	1.270	1.061	16.5	116	0.00	6.92
53	t	Biphenyl	1.692	1.696	-0.2	139	0.00	6.90
54	t	2-Nitroaniline	0.368	0.398	-8.2	138	0.00	7.11
55	t	Dimethylphthalate	1.335	1.174	12.1	119	0.00	7.32
56	t	Acenaphthylene	2.051	1.754	14.5	116	0.00	7.45
57	t	2,6-Dinitrotoluene	0.304	0.258	15.1	106	0.00	7.41
58	t	3-Nitroaniline	0.397	0.287	27.7#	93	0.00	7.67
59	t	Acenaphthene	1.279	1.125	12.0	123	0.00	7.67
60	t	2,4-Dinitrophenol	0.168	0.148	11.9	111	0.00	7.79
61	t	4-Nitrophenol	0.194	0.225	-16.0	140	0.00	8.05
62	t	Dibenzofuran	1.748	1.487	14.9	119	0.00	7.92
63	t	2,4-Dinitrotoluene	0.405	0.362	10.6	112	0.00	7.96
64		2,3,4,6-Tetrachlorophenol	0.268	0.233	13.1	108	0.00	8.14
65	t	Diethylphthalate	1.321	1.274	3.6	129	0.00	8.29
66	t	Fluorene	1.374	1.276	7.1	126	0.00	8.40
67	t	4-Chlorophenyl-phenylethe	0.596	0.551	7.6	126	0.00	8.41
68	t	4-Nitroaniline	0.402	0.287	28.6#	92	0.00	8.55
69	I	Phenanthrene-d10	1.000	1.000	0.0	137	0.00	9.79
70	t	4,6-Dinitro-2-methylpheno	0.140	0.120	14.3	105	0.00	8.53
71	t	n-Nitrosodiphenylamine	0.585	0.515	12.0	117	0.00	8.61
72	t	1,2-Diphenylhydrazine	0.976	0.928	4.9	129	0.00	8.64
73	S	2,4,6-Tribromophenol	0.086	0.063	26.7#	91	0.00	8.76
74	t	4-Bromophenyl-phenylether	0.187	0.158	15.5	113	0.00	9.12
75	t	Hexachlorobenzene	0.225	0.169	24.9#	103	0.00	9.20
76	t	Pentachlorophenol	0.127	0.108	15.0	103	0.00	9.56
77	t	Phenanthrene	1.259	1.090	13.4	121	0.00	9.82
78	t	Anthracene	1.248	1.072	14.1	116	0.00	9.90
79	t	Carbazole	1.222	1.189	2.7	131	0.00	10.21
80	t	Di-n-butylphthalate	1.344	1.323	1.6	125	0.00	10.78
81	t	Fluoranthene	1.176	1.068	9.2	119	0.00	11.67
82	t	Octadecane	0.507	0.584	-15.2	153	0.00	9.67
83	I	Chrysene-d12	1.000	1.000	0.0	148	0.00	13.94
84	t	Pyrene	1.458	1.210	17.0	119	0.00	12.02
85	S	Terphenyl-d14	0.864	0.683	20.9#	110	0.00	12.31
86	t	Butylbenzylphthalate	0.660	0.628	4.8	125	0.00	13.13
87		Butyl stearate	0.365	0.368	-0.8	132	0.00	13.25
88	t	Benzo[a]anthracene	1.213	1.000	17.6	117	0.00	13.93
89	t	3,3'-Dichlorobenzidine	0.406	0.329	19.0	107	0.00	13.96
90	t	Chrysene	1.206	0.959	20.5#	117	0.00	13.98
91	t	bis(2-Ethylhexyl)phthalat	0.888	0.855	3.7	122	0.00	14.06
92	I	Perylene-d12	1.000	1.000	0.0	113	0.00	16.05
93	t	Di-n-octylphthalate	1.820	2.177	-19.6	121	0.00	15.03
94	t	Benzo[b]fluoranthene	1.424	1.485	-4.3	113	0.00	15.53
95	t	Benzo[k]fluoranthene	1.391	1.317	5.3	109	0.00	15.57
96	t	Benzo[a]pyrene	1.193	1.108	7.1	98	0.00	15.97
97	t	Indeno[1,2,3-cd]pyrene	1.110	1.168	-5.2	106	0.00	17.50

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E2M2741-CC2729
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64665.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	0.993	0.957	3.6	98	0.00	17.16
99	t	Dibenz[a,h]anthracene	1.174	1.001	14.7	91	0.00	17.52
100	t	7,12-Dimethylbenz(a)anthr	0.613	0.701	-14.4	111	0.00	15.52
101	t	Benzo[g,h,i]perylene	1.119	0.855	23.6#	82	0.00	17.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64665.D M2M2729.M Thu Jun 19 13:19:42 2014 MS2M

8.7.13

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E2M2741-CC2730
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M64666.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2741\2M64666.D Vial: 3
Acq On : 19 Jun 2014 10:44 am Operator: saumilp
Sample : CC2730-50 Inst : MS2M
Misc : op75642,E2M2741 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 .25umThu Jun 19 13:20:47 2014
Last Update : Thu Jun 19 13:20:47 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	92	0.00	4.55
103	Benzaldehyde	1.213	0.874	27.9#	69	0.00	4.25
104	Acenaphthene-d10a	1.000	1.000	0.0	109	0.00	7.63
105	1,2,4,5-Tetrachlorobenzen	0.500	0.449	10.2	98	0.00	6.53
106	Chrysene-d12a	1.000	1.000	0.0	93	0.00	13.93
107	Benzidine	0.679	0.216	68.2#	30#	0.00	11.97
108	Phenanthrene-d10a	1.000	1.000	0.0	95	0.00	9.78
109	Atrazine	0.105	0.111	-5.7	94	0.00	9.45
110	Naphthalene-d8a	1.000	1.000	0.0	92	0.00	5.61
111	Hydroquinone	0.384	0.363	5.5	82	0.00	6.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M64666.D M2M2729.M Thu Jun 19 13:22:12 2014 MS2M

8.7.14

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GC3P

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

Calibration Files
2 =3p32440.D 5 =3p32441.D 25 =3p32438.D 80 =3p32436.D
100 =3p32434.D 50 =3p32437.D 1 =3p32435.D 10 =3p32439.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.588	0.591	0.529	0.711	0.648	0.521	0.617	0.589	0.599	10.29
3) Pyridine	1.507	1.468	1.332	1.742	1.606	1.356	1.519	1.391	1.490	9.19
4) N-Nitrosodim	0.514	0.521	0.498	0.615	0.575	0.512	0.580	0.508	0.540	8.03
5) 2-Fluorophen	1.263	1.325	1.301	1.457	1.357	1.314	1.286	1.286	1.323	4.61
6) Indene	2.598	2.633	2.098	2.185	2.079	1.985	2.542	2.446	2.321	11.26
7) Cumene	3.661	3.838	3.215	3.739	3.376	3.161	3.632	3.658	3.535	7.10
8) Phenol-d5	1.499	1.574	1.530	1.620	1.517	1.528	1.540	1.522	1.541	2.50
9) Phenol	1.756	1.795	1.693	1.705	1.599	1.654	1.858	1.697	1.720	4.74
10) Aniline	1.951	1.866	1.763	1.476	1.345	1.631	2.035	1.686	1.719	13.63
11) bis(2-Chloro	1.138	1.173	1.047	1.097	1.024	1.043	1.112	1.084	1.090	4.67
12) 2-Chlorophen	1.482	1.537	1.378	1.413	1.303	1.374	1.623	1.458	1.446	7.03
13) Decane	1.110	1.118	0.902	0.923	0.870	0.855	1.131	1.079	0.999	12.15
14) 1,3-Dichloro	1.768	1.797	1.663	1.561	1.482	1.560	1.749	1.672	1.657	6.84
15) 1,4-Dichloro	1.781	1.767	1.619	1.528	1.475	1.559	1.787	1.655	1.647	7.40
16) Benzyl alcoh	0.802	0.825	0.809	0.762	0.752	0.772	0.821	0.815	0.795	3.59
17) 1,2-Dichloro	1.669	1.636	1.507	1.390	1.320	1.441	1.717	1.535	1.527	9.17
18) Acetophenone	2.030	2.026	1.607	1.693	1.614	1.543	2.017	1.907	1.805	11.69
19) 2-Methylphen	1.025	1.143	1.031	0.995	0.945	0.993	1.175	1.094	1.050	7.58
20) 2,2'-oxybis(	1.190	1.193	1.051	0.957	0.903	0.990	1.234	1.113	1.079	11.35
21) 3&4-Methylph	1.105	1.164	1.071	1.038	0.985	1.048	1.193	1.144	1.093	6.46
22) n-Nitroso-di	0.783	0.752	0.679	0.621	0.612	0.657	0.775	0.729	0.701	9.67
23) Hexachloroet	0.540	0.543	0.521	0.503	0.489	0.504	0.565	0.530	0.524	4.75
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.321	0.348	0.331	0.322	0.312	0.317	0.354	0.342	0.331	4.60
26) Nitrobenzene	0.354	0.364	0.348	0.332	0.315	0.326	0.388	0.353	0.347	6.72
27) Quinoline	0.824	0.836	0.695	0.798	0.772	0.674	0.792	0.812	0.775	7.69
28) Isophorone	0.620	0.619	0.580	0.555	0.527	0.567	0.628	0.601	0.587	6.13
29) 2-Nitropheno	0.177	0.195	0.200	0.208	0.203	0.196	0.204	0.196	0.197	4.79
30) 2,4-Dimethyl	0.178	0.270	0.307	0.329	0.316	0.301	0.240	0.287	0.278	17.67
31) Benzoic acid		0.168	0.204	0.276	0.265	0.223		0.190	0.221	19.22
32) bis(2-Chloro	0.379	0.372	0.344	0.343	0.325	0.322	0.385	0.362	0.354	6.81
33) 2,4-Dichloro	0.333	0.320	0.311	0.318	0.301	0.308	0.321	0.326	0.317	3.14
34) 2,6-Dichloro	0.300	0.319	0.299	0.297	0.287	0.291	0.305	0.313	0.301	3.54
35) 1,3,5-Trichl	0.447	0.464	0.375	0.405	0.389	0.359	0.451	0.436	0.416	9.40
36) 1,2,4-Trichl	0.385	0.380	0.347	0.340	0.325	0.336	0.385	0.354	0.356	6.65
37) 1,2,3-Trichl	0.401	0.418	0.337	0.366	0.348	0.322	0.416	0.389	0.375	9.87
38) Naphthalene	1.116	1.102	1.019	0.971	0.906	0.973	1.153	1.062	1.038	8.19
39) 4-Chloroanil	0.466	0.465	0.441	0.398	0.374	0.419	0.468	0.445	0.434	8.00
40) 2,3-Dichloro	0.459	0.464	0.382	0.415	0.397	0.366	0.485	0.442	0.426	9.97
41) Caprolactam	0.115	0.124	0.106	0.123	0.117	0.103	0.122	0.117	0.116	6.58
42) Hexachlorobu	0.195	0.199	0.185	0.180	0.171	0.177	0.207	0.186	0.188	6.42
43) 4-Chloro-3-m	0.294	0.298	0.285	0.297	0.288	0.282	0.326	0.296	0.296	4.55
44) 2-Methylnaph	0.657	0.663	0.606	0.598	0.576	0.602	0.657	0.632	0.624	5.24
45) 1-Methylnaph	0.746	0.753	0.619	0.655	0.631	0.592	0.779	0.715	0.686	10.31

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.752	0.757	0.622	0.667	0.636	0.583	0.758	0.731	0.688	10.15
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.249	0.304	0.313	0.354	0.362	0.319	0.259	0.318	0.310	12.89
49)	2,4,6-Trichl	0.349	0.378	0.368	0.364	0.358	0.354	0.402	0.372	0.368	4.51
50)	2,4,5-Trichl	0.417	0.433	0.387	0.403	0.392	0.381	0.447	0.424	0.411	5.76
51)	2-Fluorobiph	1.346	1.367	1.253	1.150	1.129	1.175	1.438	1.324	1.273	8.90
52)	2-Chloronaph	1.274	1.290	1.161	1.080	1.043	1.103	1.329	1.213	1.187	8.96
53)	Biphenyl	1.880	1.899	1.519	1.588	1.544	1.413	1.873	1.765	1.685	11.36
54)	2-Nitroanili	0.255	0.287	0.283	0.286	0.286	0.283	0.292	0.291	0.283	4.21
55)	Dimethylphth	1.339	1.331	1.210	1.209	1.183	1.171	1.508	1.288	1.280	8.83
56)	Acenaphthyle	1.986	2.045	1.860	1.807	1.755	1.806	2.060	1.960	1.910	6.17
57)	2,6-Dinitrot	0.226	0.252	0.270	0.287	0.280	0.270	0.246	0.265	0.262	7.56
58)	3-Nitroanili	0.319	0.340	0.349	0.353	0.342	0.342	0.333	0.354	0.342	3.37
59)	Acenaphthene	1.210	1.205	1.128	1.099	1.071	1.072	1.299	1.186	1.159	6.92
60)	2,4-Dinitrop		0.050	0.097	0.166	0.173	0.125		0.077	0.115	43.01
	----- Quadratic regression -----								Coefficient =		0.9980
	Response Ratio = -0.01718 + 0.09609 *A + 0.01671 *A^2										
61)	4-Nitropheno	0.116	0.134	0.149	0.171	0.169	0.153	0.142	0.150	0.148	12.12
62)	Dibenzofuran	1.738	1.701	1.584	1.523	1.477	1.530	1.884	1.653	1.636	8.27
63)	2,4-Dinitrot	0.283	0.348	0.374	0.397	0.386	0.377	0.292	0.373	0.354	12.21
64)	2,3,4,6-Tetr	0.251	0.295	0.291	0.327	0.320	0.297	0.280	0.295	0.294	7.96
65)	Diethylphtha	1.305	1.360	1.249	1.264	1.223	1.218	1.413	1.324	1.294	5.31
66)	Fluorene	1.376	1.376	1.286	1.238	1.203	1.241	1.505	1.355	1.322	7.54
67)	4-Chlorophen	0.613	0.630	0.568	0.562	0.551	0.546	0.619	0.606	0.587	5.68
68)	4-Nitroanili	0.322	0.354	0.366	0.354	0.340	0.349	0.328	0.366	0.347	4.73
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.061	0.093	0.131	0.134	0.110		0.081	0.102	28.31
	----- Quadratic regression -----								Coefficient =		0.9987
	Response Ratio = -0.00641 + 0.09785 *A + 0.01622 *A^2										
71)	n-Nitrosodip	0.549	0.566	0.512	0.501	0.504	0.492	0.583	0.539	0.531	6.31
72)	1,2-Diphenyl	0.714	0.764	0.696	0.656	0.641	0.665	0.756	0.720	0.701	6.45
73)	2,4,6-Tribro	0.087	0.096	0.102	0.112	0.111	0.101	0.103	0.101	0.102	7.74
74)	4-Bromopheny	0.204	0.211	0.202	0.210	0.209	0.195	0.229	0.207	0.208	4.70
75)	Hexachlorobe	0.241	0.246	0.231	0.236	0.231	0.223	0.251	0.234	0.237	3.78
76)	Pentachlorop		0.114	0.133	0.172	0.173	0.142		0.133	0.145	16.28
77)	Phenanthrene	1.200	1.192	1.104	1.073	1.057	1.058	1.263	1.148	1.137	6.72
78)	Anthracene	1.134	1.170	1.120	1.062	1.049	1.040	1.159	1.125	1.108	4.55
79)	Carbazole	1.266	1.337	1.108	1.241	1.213	1.057	1.325	1.304	1.232	8.26
80)	Di-n-butylph	1.285	1.374	1.344	1.376	1.377	1.331	1.457	1.383	1.366	3.63
81)	Fluoranthene	1.204	1.287	1.223	1.276	1.243	1.206	1.299	1.250	1.248	2.91
82)	Octadecane	0.435	0.486	0.400	0.426	0.432	0.386	0.480	0.468	0.439	8.29
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.351	1.390	1.307	1.290	1.257	1.251	1.402	1.360	1.326	4.41
85)	Terphenyl-d1	0.778	0.818	0.788	0.781	0.761	0.760	0.818	0.791	0.787	2.82
86)	Butylbenzylp	0.553	0.619	0.620	0.642	0.641	0.601	0.655	0.631	0.620	5.14
87)	Benzo[a]anth	1.139	1.145	1.082	1.096	1.072	1.041	1.265	1.107	1.119	6.12
88)	3,3'-Dichlor	0.376	0.391	0.415	0.412	0.404	0.398	0.408	0.410	0.402	3.25
89)	Chrysene	1.006	1.044	0.992	0.946	0.917	0.926	1.065	1.009	0.988	5.47
90)	bis(2-Ethylh	0.701	0.781	0.812	0.835	0.813	0.789	0.795	0.822	0.793	5.21
91)	I Perylene-d12	ISTD									
92)	Di-n-octylph	1.245	1.492	1.606	1.793	1.784	1.606	1.463	1.620	1.576	11.35
93)	Benzo[b]fluo	1.102	1.180	1.260	1.333	1.379	1.182	1.189	1.264	1.236	7.33
94)	Benzo[k]fluo	1.177	1.266	1.195	1.182	1.078	1.171	1.187	1.254	1.189	4.82
95)	Benzo[a]pyre	1.007	1.069	1.078	1.141	1.116	1.047	1.114	1.098	1.084	3.97

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 96) Indeno[1,2,3 0.906 1.018 1.069 1.179 1.161 1.056 1.028 1.075 1.061   8.06
 97) Dibenz(a,h)a 0.966 1.062 0.992 1.270 1.230 0.978 1.069 1.131 1.087  10.57
 98) Dibenz[a,h]a 0.958 1.052 1.065 1.129 1.140 1.025 1.053 1.070 1.061   5.40
 99) 7,12-Dimethy 0.142 0.227 0.531 0.684 0.664 0.554 0.127 0.354 0.410  55.56
100) Benzo[g,h,i] 1.044 1.077 1.062 1.141 1.110 1.051 1.106 1.095 1.086   3.05
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3P1389.M         Tue Jun 10 14:37:51 2014   RPT1
```

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1390-ICC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32445.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GC3P

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

Calibration Files
2 =3p32449.D 5 =3p32448.D 25 =3p32446.D 80 =3p32444.D
100 =3p32443.D 50 =3p32445.D 1 =3p32450.D 10 =3p32447.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
101) I 1,4-Dichlorobenzene-d	ISTD									
102) Benzaldehyde	0.866	0.943	0.863	0.835	0.726	0.693	0.890	0.956	0.846	11.11
103) I Acenaphthene-d10a	ISTD									
104) 2-bromonapht	0.607	0.609	0.596	0.593	0.585	0.561	0.589	0.601	0.593	2.55
105) Atrazine	0.135	0.150	0.162	0.173	0.174	0.159	0.112	0.162	0.153	13.53
106) 1,2,4,5-Tetr	0.555	0.594	0.577	0.606	0.598	0.549	0.538	0.593	0.576	4.46
107) Chrysene-d12a	ISTD									
108) Benzidine	0.516	0.654	0.514	0.424	0.390	0.429	0.440	0.717	0.511	23.03
109) I Naphthalene-d8a	ISTD									
110) Hydroquinone	0.185	0.246	0.286	0.327	0.329	0.299		0.294	0.281	18.02
111) I Phenanthrene-d10a	ISTD									
112) o-Terphenyl	0.483	0.517	0.516	0.536	0.515	0.499	0.467	0.513	0.506	4.33
113) 1-Chloroocta	0.194	0.234	0.262	0.261	0.259	0.248	0.181	0.250	0.236	13.40

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

M3P1389.M Tue Jun 10 14:44:48 2014 RPT1

8.7.16

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32451.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32451.D Vial: 18
Acq On : 6 Jun 2014 10:02 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	109	0.00	4.57
9	t	Phenol	1.720	1.551	9.8	102	0.00	4.31
12	t	2-Chlorophenol	1.446	1.420	1.8	113	0.00	4.41
19	t	2-Methylphenol	1.050	1.110	-5.7	122	0.00	4.76
21	t	3&4-Methylphenol	1.093	1.129	-3.3	117	0.00	4.86
24	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00	5.49
29	t	2-Nitrophenol	0.197	0.189	4.1	104	0.00	5.22
30	t	2,4-Dimethylphenol	0.278	0.360	-29.5	129	0.00	5.25
31	t	Benzoic acid	0.221	0.182	17.6	88	0.00	5.33
33	t	2,4-Dichlorophenol	0.317	0.325	-2.5	114	0.00	5.39
34	t	2,6-Dichlorophenol	0.301	0.314	-4.3	116	0.00	5.55
43	t	4-Chloro-3-methylphenol	0.296	0.300	-1.4	115	0.00	5.88
47	I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00	6.86
49	t	2,4,6-Trichlorophenol	0.368	0.381	-3.5	115	0.00	6.21
50	t	2,4,5-Trichlorophenol	0.411	0.408	0.7	114	-0.01	6.24
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.148	0.164	-10.8	114	0.00	6.98
64		2,3,4,6-Tetrachlorophenol	0.294	0.293	0.3	105	0.00	7.19
69	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00	8.67
		----------	True	Calc.	% Drift		----------	
70	t	4,6-Dinitro-2-methylpheno	50.000	40.979	18.0	83	0.00	7.48
76	t	Pentachlorophenol	0.145	0.142	2.1	104	0.00	8.40
83	I	Chrysene-d12	1.000	1.000	0.0	94	-0.01	13.86
91	I	Perylene-d12	1.000	1.000	0.0	94	-0.01	16.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:27 2014 RPT1

8.7.17

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32452A.D Vial: 19
Acq On : 6 Jun 2014 10:27 pm Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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.
103 I	Acenaphthene-d10a	1.000	1.000	0.0	72	0.00	6.86
106	1,2,4,5-Tetrachlorobenzen	0.576	0.594	-3.1	78	0.00	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:31 2014 RPT1

8.7.18

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32452.D Vial: 19
Acq On : 6 Jun 2014 10:27 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	114	0.00	4.57
3	t	Pyridine	1.490	1.064	28.6	90	0.00	2.41
4	t	N-Nitrosodimethylamine	0.540	0.400	25.9	90	0.01	2.38
11	t	bis(2-Chloroethyl)ether	1.090	1.003	8.0	110	0.00	4.37
14	t	1,3-Dichlorobenzene	1.657	1.450	12.5	106	0.00	4.53
15	t	1,4-Dichlorobenzene	1.647	1.432	13.1	105	0.00	4.58
16	t	Benzyl alcohol	0.795	0.719	9.6	107	0.00	4.67
17	t	1,2-Dichlorobenzene	1.527	1.321	13.5	105	0.00	4.69
20	t	2,2'-oxybis(1-Chloropropa	1.079	0.956	11.4	110	0.00	4.77
22	t	n-Nitroso-di-n-propylamin	0.701	0.654	6.7	114	0.00	4.86
23	t	Hexachloroethane	0.524	0.480	8.4	109	0.00	4.94
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	5.49
26	t	Nitrobenzene	0.347	0.296	14.7	104	0.00	4.99
28	t	Isophorone	0.587	0.508	13.5	102	0.00	5.15
32	t	bis(2-Chloroethoxy)methan	0.354	0.345	2.5	122	0.00	5.31
36	t	1,2,4-Trichlorobenzene	0.356	0.319	10.4	108	0.00	5.45
38	t	Naphthalene	1.038	0.926	10.8	109	0.00	5.51
42	t	Hexachlorobutadiene	0.188	0.170	9.6	109	0.00	5.60
44	t	2-Methylnaphthalene	0.624	0.560	10.3	106	0.00	6.00
47	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00	6.86
48	t	Hexachlorocyclopentadiene	0.310	0.252	18.7	88	0.00	6.13
52	t	2-Chloronaphthalene	1.187	1.061	10.6	107	0.00	6.37
54	t	2-Nitroaniline	0.283	0.259	8.5	101	0.00	6.45
55	t	Dimethylphthalate	1.280	1.179	7.9	112	0.00	6.61
56	t	Acenaphthylene	1.910	1.478	22.6	91	0.00	6.73
57	t	2,6-Dinitrotoluene	0.262	0.237	9.5	98	0.00	6.66
58	t	3-Nitroaniline	0.342	0.276	19.3	90	0.00	6.82
59	t	Acenaphthene	1.159	1.080	6.8	112	0.00	6.90
62	t	Dibenzofuran	1.636	1.478	9.7	107	0.00	7.06
63	t	2,4-Dinitrotoluene	0.354	0.306	13.6	90	0.00	7.05
65	t	Diethylphthalate	1.294	1.178	9.0	107	0.00	7.31
66	t	Fluorene	1.322	1.205	8.9	108	0.00	7.43
67	t	4-Chlorophenyl-phenylethe	0.587	0.548	6.6	111	0.00	7.43
68	t	4-Nitroaniline	0.347	0.308	11.2	98	0.00	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	8.67
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.531	0.498	6.2	110	0.00	7.57

8.7.19

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

72	t	1,2-Diphenylhydrazine	0.701	0.645	8.0	106	0.00	7.62
74	t	4-Bromophenyl-phenylether	0.208	0.192	7.7	108	0.00	8.04
75	t	Hexachlorobenzene	0.237	0.205	13.5	100	0.00	8.13
77	t	Phenanthrene	1.137	1.025	9.9	106	0.00	8.71
78	t	Anthracene	1.108	1.036	6.5	109	0.00	8.78
79	t	Carbazole	1.232	1.003	18.6	104	0.00	9.06
80	t	Di-n-butylphthalate	1.366	1.279	6.4	105	0.00	9.76
81	t	Fluoranthene	1.248	1.127	9.7	102	0.00	10.81
83	I	Chrysene-d12	1.000	1.000	0.0	104	0.00	13.87
84	t	Pyrene	1.326	1.204	9.2	100	0.00	11.24
86	t	Butylbenzylphthalate	0.620	0.597	3.7	104	0.00	12.85
87	t	Benzo[a]anthracene	1.119	0.995	11.1	100	0.00	13.85
89	t	Chrysene	0.988	0.936	5.3	105	0.00	13.92
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.767	3.3	101	0.00	14.27
91	I	Perylene-d12	1.000	1.000	0.0	102	0.00	16.90
92	t	Di-n-octylphthalate	1.576	1.555	1.3	99	0.00	15.71
93	t	Benzo[b]fluoranthene	1.236	1.105	10.6	95	0.00	16.15
94	t	Benzo[k]fluoranthene	1.189	1.120	5.8	97	-0.01	16.21
95	t	Benzo[a]pyrene	1.084	1.027	5.3	100	0.00	16.78
96	t	Indeno[1,2,3-cd]pyrene	1.061	0.953	10.2	92	0.00	18.84
98	t	Dibenz[a,h]anthracene	1.061	0.980	7.6	97	0.00	18.90
100	t	Benzo[g,h,i]perylene	1.086	1.035	4.7	100	0.00	19.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:27:34 2014 RPT1

8.7.19

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32453A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32453A.D Vial: 20
Acq On : 6 Jun 2014 10:53 pm Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	68	0.00	4.57
102	Benzaldehyde	0.846	1.170	-38.3#	115	0.23	4.24
103 I	Acenaphthene-d10a	1.000	1.000	0.0	66	0.00	6.86
105	Atrazine	0.153	0.197	-28.8	82	0.00	8.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:35 2014 RPT1

8.7.20

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32453.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32453.D Vial: 20
Acq On : 6 Jun 2014 10:53 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	106	0.00	4.57
2	t	1,4-Dioxane	0.599	0.605	-1.0	123	0.01	2.09
6	t	Indene	2.321	2.508	-8.1	134	0.00	4.76
7	t	Cumene	3.535	3.540	-0.1	118	0.00	3.98
13	t	Decane	0.999	0.959	4.0	119	0.00	4.46
18	t	Acetophenone	1.805	1.832	-1.5	125	0.00	4.86
24	I	Naphthalene-d8	1.000	1.000	0.0	125	0.00	5.49
27	t	Quinoline	0.775	0.667	13.9	124	0.00	5.74
40	t	2,3-Dichloroaniline	0.426	0.305	28.4	104	0.00	6.21
41	t	Caprolactam	0.116	0.093	19.8	113	-0.02	5.78
45	t	1-Methylnaphthalene	0.686	0.572	16.6	121	0.00	6.07
46	t	Dimethylnaphthalene	0.688	0.562	18.3	121	0.00	6.48
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.86
53	t	Biphenyl	1.685	1.710	-1.5	123	0.00	6.36
69	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00	8.67
82	t	Octadecane	0.439	0.458	-4.3	117	0.00	8.59
83	I	Chrysene-d12	1.000	1.000	0.0	93	-0.01	13.86
91	I	Perylene-d12	1.000	1.000	0.0	91	-0.01	16.89
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.674	-64.4#	111	-0.02	16.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 15:01:37 2014 RPT1

8.7.21
8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32454.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32454.D Vial: 21
Acq On : 6 Jun 2014 11:19 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	133	0.00	4.57
5	S	2-Fluorophenol	1.323	1.066	19.4	108	0.00	3.59
8	S	Phenol-d5	1.541	1.221	20.8	106	0.00	4.30
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	5.49
25	S	Nitrobenzene-d5	0.331	0.299	9.7	127	0.00	4.97
47	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	6.86
51	S	2-Fluorobiphenyl	1.273	1.191	6.4	131	0.00	6.28
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	8.67
73	S	2,4,6-Tribromophenol	0.102	0.086	15.7	106	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	111	-0.01	13.86
85	S	Terphenyl-d14	0.787	0.773	1.8	113	0.00	11.68
91	I	Perylene-d12	1.000	1.000	0.0	112	-0.01	16.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:37 2014 RPT1

8.7.22
8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32455.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32455.D Vial: 22
Acq On : 6 Jun 2014 11:44 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	4.57
10		Aniline	1.719	1.830	-6.5	173	0.00	4.32
24	I	Naphthalene-d8	1.000	1.000	0.0	157	0.00	5.49
39	t	4-Chloroaniline	0.434	0.434	0.0	163	0.00	5.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:39 2014 RPT1

8.7.23

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32456.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32456.D Vial: 23
Acq On : 7 Jun 2014 12:10 am Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	162	0.00	13.87
88 t	3,3'-Dichlorobenzidine	0.402	0.376	6.5	153	0.00	13.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:41 2014 RPT1

8.7.24

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32456A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32456A.D Vial: 23
Acq On : 7 Jun 2014 12:10 am Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	Chrysene-d12a	1.000	1.000	0.0	116	0.00	13.87
108	Benzidine	0.511	0.699	-36.8#	188	0.00	11.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:43 2014 RPT1

8.7.25

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32457.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\1389\3p32457.D              Vial: 24
  Acq On    :  7 Jun 2014  12:35 am                     Operator: samtap
  Sample    : icv1390-50                                Inst    : GC3P
  Misc      : op74992,e3p1390,                          Multiplr: 1.00
  MS Integration Params: lscint.p

  Method       : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
  Title        : Semi Volatile Extractables by GC/MS
  Last Update  : Sat Jun 07 08:20:07 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.
109 I	Naphthalene-d8a	1.000	1.000	0.0	94	0.00	5.49
110 t	Hydroquinone	0.281	0.329	-17.1	103	0.18	5.77

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     3p32445.D  M3P1389.M        Tue Jun 10 14:14:45 2014   RPT1
```

8.7.26

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1392-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32489.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1392\3p32489.D Vial: 2
Acq On : 9 Jun 2014 10:58 am Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op75409,e3p1392,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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.
47 I	Acenaphthene-d10	1.000	1.000	0.0	115	-0.02	6.85
60 t	2,4-Dinitrophenol	50.000	54.290	-8.58	106	-0.02	6.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Mon Jun 09 15:17:02 2014 RPT1

8.7.27

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1406-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32834.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1406\3p32834.D Vial: 2
Acq On : 17 Jun 2014 9:39 pm Operator: ashleyd
Sample : cc1389-50 Inst : GC3P
Misc : op75312,e3p1406 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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	82	-0.06	4.51
2	t	1,4-Dioxane	0.599	0.479	20.0#	75	-0.08	2.00
3	t	Pyridine	1.490	1.020	31.5#	61	-0.06	2.34
4	t	N-Nitrosodimethylamine	0.540	0.571	-5.7	91	-0.06	2.31
5	S	2-Fluorophenol	1.323	1.214	8.2	75	-0.04	3.54
6	t	Indene	2.321	2.062	11.2	85	-0.06	4.70
7	t	Cumene	3.535	3.037	14.1	78	-0.07	3.91
8	S	Phenol-d5	1.541	1.475	4.3	79	-0.04	4.26
9	t	Phenol	1.720	1.563	9.1	77	-0.04	4.27
10		Aniline	1.719	1.026	40.3#	51	-0.06	4.27
11	t	bis(2-Chloroethyl)ether	1.090	1.023	6.1	80	-0.06	4.32
12	t	2-Chlorophenol	1.446	1.328	8.2	79	-0.06	4.36
13	t	Decane	0.999	1.069	-7.0	102	-0.07	4.39
14	t	1,3-Dichlorobenzene	1.657	1.524	8.0	80	-0.06	4.47
15	t	1,4-Dichlorobenzene	1.647	1.554	5.6	81	-0.06	4.52
16	t	Benzyl alcohol	0.795	0.773	2.8	82	-0.05	4.62
17	t	1,2-Dichlorobenzene	1.527	1.420	7.0	81	-0.06	4.63
18	t	Acetophenone	1.805	1.552	14.0	82	-0.06	4.80
19	t	2-Methylphenol	1.050	0.992	5.5	82	-0.04	4.71
20	t	2,2'-oxybis(1-Chloropropa	1.079	1.229	-13.9	101	-0.06	4.71
21	t	3&4-Methylphenol	1.093	1.086	0.6	85	-0.05	4.82
22	t	n-Nitroso-di-n-propylamin	0.701	0.665	5.1	83	-0.06	4.80
23	t	Hexachloroethane	0.524	0.485	7.4	79	-0.07	4.87
24	I	Naphthalene-d8	1.000	1.000	0.0	84	-0.06	5.43
25	S	Nitrobenzene-d5	0.331	0.319	3.6	85	-0.06	4.91
26	t	Nitrobenzene	0.347	0.333	4.0	86	-0.06	4.93
27	t	Quinoline	0.775	0.622	19.7	78	-0.05	5.69
28	t	Isophorone	0.587	0.542	7.7	81	-0.06	5.10
29	t	2-Nitrophenol	0.197	0.203	-3.0	87	-0.06	5.16
30	t	2,4-Dimethylphenol	0.278	0.291	-4.7	82	-0.05	5.19
31	t	Benzoic acid	0.221	0.132	40.3#	50#	-0.04	5.29
32	t	bis(2-Chloroethoxy)methan	0.354	0.326	7.9	85	-0.06	5.25
33	t	2,4-Dichlorophenol	0.317	0.291	8.2	80	-0.05	5.34
34	t	2,6-Dichlorophenol	0.301	0.277	8.0	80	-0.06	5.49
35		1,3,5-Trichlorobenzene	0.416	0.340	18.3	80	-0.06	5.17
36	t	1,2,4-Trichlorobenzene	0.356	0.311	12.6	78	-0.06	5.39
37		1,2,3-Trichlorobenzene	0.375	0.307	18.1	80	-0.06	5.55
38	t	Naphthalene	1.038	0.967	6.8	84	-0.06	5.45
39	t	4-Chloroaniline	0.434	0.307	29.3#	62	-0.05	5.49
40	t	2,3-Dichloroaniline	0.426	0.355	16.7	82	-0.06	6.15
41	t	Caprolactam	0.116	0.098	15.5	80	-0.05	5.75

8.7.28
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Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1406-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32834.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.188	0.164	12.8	78	-0.06	5.54
43	t	4-Chloro-3-methylphenol	0.296	0.274	7.4	82	-0.04	5.85
44	t	2-Methylnaphthalene	0.624	0.580	7.1	81	-0.06	5.94
45	t	1-Methylnaphthalene	0.686	0.570	16.9	81	-0.06	6.01
46	t	Dimethylnaphthalene	0.688	0.568	17.4	82	-0.07	6.42
47	I	Acenaphthene-d10	1.000	1.000	0.0	81	-0.07	6.79
48	t	Hexachlorocyclopentadiene	0.310	0.292	5.8	74	-0.07	6.06
49	t	2,4,6-Trichlorophenol	0.368	0.350	4.9	80	-0.06	6.16
50	t	2,4,5-Trichlorophenol	0.411	0.370	10.0	78	-0.05	6.20
51	S	2-Fluorobiphenyl	1.273	1.181	7.2	81	-0.06	6.21
52	t	2-Chloronaphthalene	1.187	1.118	5.8	82	-0.07	6.31
53	t	Biphenyl	1.685	1.451	13.9	83	-0.06	6.29
54	t	2-Nitroaniline	0.283	0.321	-13.4	91	-0.06	6.39
55	t	Dimethylphthalate	1.280	1.134	11.4	78	-0.07	6.54
56	t	Acenaphthylene	1.910	1.774	7.1	79	-0.07	6.66
57	t	2,6-Dinitrotoluene	0.262	0.278	-6.1	83	-0.06	6.60
58	t	3-Nitroaniline	0.342	0.340	0.6	80	-0.06	6.75
59	t	Acenaphthene	1.159	1.089	6.0	82	-0.07	6.82
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	105.174	-5.2	90	-0.06	6.86
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.148	0.166	-12.2	88	-0.04	6.94
62	t	Dibenzofuran	1.636	1.539	5.9	81	-0.08	6.99
63	t	2,4-Dinitrotoluene	0.354	0.388	-9.6	83	-0.06	6.98
64		2,3,4,6-Tetrachlorophenol	0.294	0.281	4.4	76	-0.07	7.13
65	t	Diethylphthalate	1.294	1.201	7.2	80	-0.09	7.22
66	t	Fluorene	1.322	1.234	6.7	80	-0.08	7.35
67	t	4-Chlorophenyl-phenylethe	0.587	0.539	8.2	80	-0.09	7.35
68	t	4-Nitroaniline	0.347	0.306	11.8	71	-0.07	7.38
69	I	Phenanthrene-d10	1.000	1.000	0.0	77	-0.09	8.58
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	53.963	-7.9	87	-0.06	7.43
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.531	0.505	4.9	79	-0.08	7.49
72	t	1,2-Diphenylhydrazine	0.701	0.728	-3.9	85	-0.09	7.53
73	S	2,4,6-Tribromophenol	0.102	0.101	1.0	78	-0.08	7.64
74	t	4-Bromophenyl-phenylether	0.208	0.190	8.7	75	-0.09	7.95
75	t	Hexachlorobenzene	0.237	0.216	8.9	75	-0.09	8.05
76	t	Pentachlorophenol	0.145	0.132	9.0	72	-0.08	8.33
77	t	Phenanthrene	1.137	1.074	5.5	79	-0.09	8.62
78	t	Anthracene	1.108	1.067	3.7	79	-0.10	8.69
79	t	Carbazole	1.232	1.072	13.0	78	-0.09	8.97
80	t	Di-n-butylphthalate	1.366	1.318	3.5	77	-0.11	9.64
81	t	Fluoranthene	1.248	1.119	10.3	72	-0.10	10.71
82	t	Octadecane	0.439	0.468	-6.6	94	-0.10	8.49
83	I	Chrysene-d12	1.000	1.000	0.0	65	-0.10	13.77
84	t	Pyrene	1.326	1.373	-3.5	71	-0.10	11.14
85	S	Terphenyl-d14	0.787	0.763	3.0	65	-0.11	11.57
86	t	Butylbenzylphthalate	0.620	0.664	-7.1	72	-0.12	12.73
87	t	Benzo[a]anthracene	1.119	1.059	5.4	66	-0.10	13.75
88	t	3,3'-Dichlorobenzidine	0.402	0.374	7.0	61	-0.11	13.80
89	t	Chrysene	0.988	0.934	5.5	66	-0.10	13.83
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.892	-12.5	73	-0.12	14.15

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1406-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32834.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

91	I	Perylene-d12	1.000	1.000	0.0	59	-0.09	16.81
92	t	Di-n-octylphthalate	1.576	1.858	-17.9	69	-0.12	15.59
93	t	Benzo[b]fluoranthene	1.236	1.269	-2.7	64	-0.09	16.07
94	t	Benzo[k]fluoranthene	1.189	1.161	2.4	59	-0.09	16.13
95	t	Benzo[a]pyrene	1.084	1.079	0.5	61	-0.09	16.69
96	t	Indeno[1,2,3-cd]pyrene	1.061	1.017	4.1	57	-0.08	18.76
97	t	Dibenz(a,h)acridine	1.087	0.927	14.7	56	-0.09	18.40
98	t	Dibenz[a,h]anthracene	1.061	1.013	4.5	59	-0.09	18.82
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.561	-36.8#	60	-0.11	16.08
100	t	Benzo[g,h,i]perylene	1.086	1.012	6.8	57	-0.07	19.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Wed Jun 18 09:54:13 2014 RPT1

8.7.28

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Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1406-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32835A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1406\3p32835a.D Vial: 3
Acq On : 17 Jun 2014 10:06 pm Operator: ashleyd
Sample : cc1390-50 Inst : GC3P
Misc : op75312,e3p1406 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	78	-0.06	4.50
102	Benzaldehyde	0.846	0.908	-7.3	102	0.17	4.18
103 I	Acenaphthene-d10a	1.000	1.000	0.0	79	-0.08	6.79
104	Atrazine	0.153	0.162	-5.9	80	-0.09	8.21
105	1,2,4,5-Tetrachlorobenzen	0.576	0.571	0.9	82	-0.06	6.07
106	Chrysene-d12a	1.000	1.000	0.0	64	-0.09	13.78
107	Benzidine	0.511	0.103	79.8#	15#	-0.09	11.06
108 I	Naphthalene-d8a	1.000	1.000	0.0	81	-0.06	5.42
109 t	Hydroquinone	0.281	0.323	-14.9	87	0.15	5.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Wed Jun 18 15:44:50 2014 RPT1

8.7.29

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Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1417-ICC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33176.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3P

Method : C:\msdchem\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 16:47:31 2014
Response via : Initial Calibration

Calibration Files
2 =3P33180.D 5 =3P33181.D 25 =3P33182.D 80 =3P33179.D
100 =3P33177.D 50 =3P33176.D 1 =3P33178.D 10 =3P33183.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.442	0.491	0.385	0.495	0.526	0.471	0.461	0.439	0.464	9.25
3) Pyridine	0.972	1.150	1.003	1.240	1.343	1.204	0.936	1.079	1.116	12.82
4) N-Nitrosodim	0.573	0.638	0.556	0.713	0.744	0.643	0.466	0.600	0.617	14.39
5) 2-Fluorophen		0.913	1.027	1.344	1.379	1.093		0.961	1.119	17.64
6) Indene	2.042	2.290	1.837	2.141	2.074	1.765	2.166	2.133	2.056	8.50
7) Cumene	2.970	3.227	2.840	3.425	3.381	2.880	3.246	3.176	3.143	7.07
8) Phenol-d5	1.138	1.296	1.318	1.695	1.719	1.374	1.138	1.318	1.374	16.18
9) Phenol	1.581	1.639	1.528	1.859	1.876	1.554	1.510	1.654	1.650	8.67
10) Aniline	1.684	1.666	1.637	1.712	1.697	1.689	1.686	1.562	1.667	2.87
11) bis(2-Chloro	1.177	1.079	0.976	1.102	1.109	0.959	0.905	1.167	1.059	9.51
12) 2-Chlorophen	1.224	1.395	1.218	1.406	1.410	1.180	1.221	1.349	1.300	7.58
13) Decane	1.131	1.127	0.953	1.066	1.031	0.948	1.044	1.098	1.050	6.77
14) 1,3-Dichloro	1.532	1.660	1.455	1.661	1.603	1.400	1.674	1.629	1.577	6.57
15) 1,4-Dichloro	1.596	1.804	1.477	1.681	1.604	1.378	1.506	1.722	1.596	8.75
16) Benzyl alcoh	0.591	0.722	0.686	0.862	0.854	0.679	0.541	0.701	0.704	15.94
17) 1,2-Dichloro	1.551	1.627	1.362	1.546	1.500	1.300	1.550	1.564	1.500	7.41
18) Acetophenone	1.559	1.771	1.603	1.859	1.782	1.496	1.540	1.750	1.670	8.12
19) 2-Methylphen	0.824	1.055	0.976	1.082	1.036	0.928	1.128	1.061	1.011	9.66
20) 2,2'-oxybis(	1.329	1.378	1.138	1.225	1.183	1.059	1.367	1.248	1.241	9.13
21) 3&4-Methylph	0.730	1.035	0.992	1.173	1.134	0.972	0.899	1.037	0.997	13.90
22) n-Nitroso-di	0.821	0.886	0.770	0.863	0.837	0.711	0.758	0.839	0.811	7.29
23) Hexachloroet	0.796	0.785	0.633	0.705	0.687	0.593	0.808	0.731	0.717	10.88
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.346	0.395	0.355	0.386	0.380	0.337	0.388	0.369	0.370	5.80
26) Nitrobenzene	0.381	0.469	0.350	0.395	0.389	0.347	0.370	0.421	0.390	10.22
27) Quinoline	0.759	0.753	0.642	0.763	0.742	0.610	0.842	0.715	0.728	10.07
28) Isophorone	0.665	0.684	0.590	0.674	0.670	0.574	0.654	0.658	0.646	6.35
29) 2-Nitropheno	0.188	0.198	0.193	0.238	0.242	0.198	0.178	0.215	0.206	11.25
30) 2,4-Dimethyl	0.284	0.301	0.324	0.355	0.365	0.313	0.220	0.304	0.308	14.52
31) Benzoic acid		0.179	0.213	0.308	0.303	0.230		0.198	0.238	22.85
----- Quadratic regression -----								Coefficient =		0.9940
Response Ratio = -0.00719 + 0.20028 *A + 0.04523 *A^2										
32) bis(2-Chloro	0.357	0.372	0.337	0.381	0.376	0.329	0.331	0.364	0.356	5.83
33) 2,4-Dichloro	0.268	0.359	0.306	0.376	0.367	0.308	0.298	0.350	0.329	11.84
34) 2,6-Dichloro	0.315	0.337	0.313	0.360	0.363	0.300	0.308	0.333	0.329	7.22
35) 1,3,5-Trichl	0.446	0.486	0.412	0.492	0.489	0.412	0.453	0.476	0.458	7.18
36) 1,2,4-Trichl	0.446	0.470	0.386	0.451	0.436	0.375	0.433	0.437	0.429	7.55
37) 1,2,3-Trichl	0.430	0.454	0.384	0.435	0.430	0.366	0.430	0.434	0.420	7.03
38) Naphthalene	1.016	1.076	0.917	1.083	1.057	0.898	1.052	1.047	1.018	7.02
39) 4-Chloroanil	0.443	0.465	0.409	0.466	0.455	0.403	0.426	0.437	0.438	5.50
40) 2,3-Dichloro	0.425	0.479	0.410	0.490	0.470	0.387	0.456	0.471	0.448	8.21
41) Caprolactam	0.113	0.100	0.099	0.115	0.112	0.093	0.110	0.105	0.106	7.52
42) Hexachlorobu	0.304	0.301	0.254	0.292	0.281	0.241	0.283	0.289	0.281	7.93

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1417-ICC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33176.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

43)	4-Chloro-3-m	0.304	0.328	0.284	0.346	0.334	0.273	0.322	0.313	0.313	7.92
44)	2-Methylnaph	0.651	0.644	0.590	0.709	0.694	0.574	0.666	0.657	0.648	7.16
45)	1-Methylnaph	0.697	0.654	0.598	0.711	0.691	0.571	0.730	0.678	0.666	8.35
46)	Dimethylnaph	0.721	0.787	0.647	0.775	0.742	0.625	0.749	0.753	0.725	8.10
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.101	0.205	0.377	0.399	0.287		0.166	0.256		46.55
	----- Quadratic regression -----								Coefficient =		0.9982
	Response Ratio = -0.04263 + 0.21122 *A + 0.04046 *A^2										
49)	2,4,6-Trichl	0.396	0.440	0.377	0.476	0.461	0.380	0.424	0.439	0.424	8.64
50)	2,4,5-Trichl	0.420	0.476	0.456	0.508	0.495	0.436	0.507	0.533	0.479	8.13
51)	2-Fluorobiph	1.351	1.474	1.226	1.371	1.328	1.173	1.433	1.419	1.347	7.66
52)	2-Chloronaph	1.275	1.305	1.078	1.229	1.199	1.038	1.275	1.270	1.209	8.18
53)	Biphenyl	1.510	1.591	1.327	1.546	1.526	1.260	1.554	1.578	1.486	8.29
54)	2-Nitroanili	0.358	0.365	0.298	0.351	0.335	0.298	0.331	0.369	0.338	8.31
55)	Dimethylphth	1.384	1.429	1.205	1.386	1.335	1.149	1.354	1.392	1.329	7.45
56)	Acenaphthyle	1.842	2.005	1.662	1.962	1.887	1.587	1.853	1.961	1.845	8.05
57)	2,6-Dinitrot	0.303	0.321	0.281	0.348	0.335	0.268	0.297	0.330	0.310	8.98
58)	3-Nitroanili	0.322	0.329	0.292	0.352	0.339	0.278	0.334	0.338	0.323	7.80
59)	Acenaphthene	1.154	1.229	1.012	1.186	1.158	0.962	1.196	1.173	1.134	8.33
60)	2,4-Dinitrop	0.066	0.144	0.238	0.227	0.163		0.124	0.160		40.34
61)	4-Nitropheno	0.161	0.150	0.187	0.187	0.142		0.160	0.164		11.40
62)	Dibenzofuran	1.753	1.844	1.531	1.831	1.772	1.494	1.822	1.811	1.732	8.04
63)	2,4-Dinitrot	0.373	0.451	0.400	0.490	0.469	0.383	0.345	0.455	0.421	12.43
64)	2,3,4,6-Tetr	0.364	0.417	0.373	0.476	0.455	0.353	0.414	0.423	0.409	10.67
65)	Diethylphtha	1.341	1.397	1.236	1.417	1.357	1.135	1.409	1.409	1.338	7.57
66)	Fluorene	1.365	1.493	1.267	1.532	1.459	1.205	1.483	1.487	1.411	8.46
67)	4-Chlorophen	0.744	0.769	0.679	0.814	0.782	0.650	0.748	0.776	0.745	7.34
68)	4-Nitroanili	0.240	0.303	0.284	0.342	0.324	0.264	0.324	0.321	0.300	11.65
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.115	0.163	0.163	0.120		0.113	0.135		19.18
71)	n-Nitrosodip	0.492	0.510	0.430	0.488	0.478	0.405	0.505	0.495	0.475	7.88
72)	1,2-Diphenyl	0.617	0.693	0.574	0.655	0.640	0.556	0.707	0.678	0.640	8.53
73)	2,4,6-Tribro	0.128	0.128	0.116	0.146	0.143	0.115	0.123	0.134	0.129	8.76
74)	4-Bromopheny	0.255	0.270	0.232	0.277	0.271	0.225	0.278	0.264	0.259	7.87
75)	Hexachlorobe	0.313	0.337	0.270	0.330	0.322	0.261	0.322	0.317	0.309	9.08
76)	Pentachlorop	0.121	0.129	0.191	0.192	0.140		0.133	0.151		21.23
	----- Quadratic regression -----								Coefficient =		0.9949
	Response Ratio = 0.00047 + 0.10844 *A + 0.01764 *A^2										
77)	Phenanthrene	1.106	1.148	0.965	1.117	1.080	0.884	1.195	1.145	1.080	9.63
78)	Anthracene	1.033	1.155	0.989	1.115	1.090	0.924	1.107	1.144	1.070	7.56
79)	Carbazole	1.027	1.099	0.926	1.092	1.061	0.855	1.066	1.073	1.025	8.57
80)	Di-n-butylph	1.176	1.251	1.134	1.344	1.303	1.079	1.240	1.279	1.226	7.30
81)	Fluoranthene	1.305	1.443	1.251	1.508	1.455	1.152	1.361	1.442	1.365	8.87
82)	Octadecane	0.325	0.368	0.305	0.367	0.361	0.307	0.352	0.372	0.345	8.13
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.130	1.213	0.993	1.212	1.188	0.992	1.222	1.197	1.143	8.51
85)	Terphenyl-d1	0.813	0.858	0.735	0.883	0.878	0.728	0.867	0.846	0.826	7.55
86)	Butylbenzylp	0.418	0.478	0.412	0.515	0.504	0.419	0.463	0.472	0.460	8.67
87)	Benzo[a]anth	1.197	1.256	1.013	1.225	1.184	0.979	1.313	1.208	1.172	9.91
88)	3,3'-Dichlor	0.406	0.457	0.390	0.469	0.442	0.368	0.448	0.459	0.430	8.61
89)	Chrysene	1.054	1.127	0.894	1.038	0.988	0.837	1.127	1.103	1.021	10.59
90)	bis(2-Ethylh	0.585	0.626	0.537	0.652	0.641	0.533	0.607	0.632	0.602	7.66
91)	I Perylene-d12	ISTD									
92)	Di-n-octylph	1.140	1.268	1.073	1.513	1.534	1.135	1.197	1.289	1.269	13.61

8.7.30

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** E3P1417-ICC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33176.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 93) Benzo[b]fluo 1.293 1.425 1.152 1.559 1.546 1.160 1.333 1.470 1.367  11.68
 94) Benzo[k]fluo 1.286 1.467 1.103 1.355 1.277 1.042 1.410 1.410 1.294  11.70
 95) Benzo[a]pyre 1.183 1.255 1.030 1.325 1.291 0.997 1.238 1.252 1.196  10.07
 96) Indeno[1,2,3 1.088 1.179 0.931 1.269 1.203 0.888 1.119 1.193 1.109  12.16
 97) Dibenz(a,h)a 1.024 1.128 0.903 1.250 1.166 0.874 1.087 1.124 1.069  12.07
 98) Dibenz[a,h]a 1.077 1.244 0.947 1.250 1.171 0.911 1.177 1.224 1.125  11.84
 99) 7,12-Dimethy 0.288 0.389 0.544 0.716 0.721 0.558       0.518 0.534  29.71
             ----- Linear regression -----  Coefficient =  0.9901
               Response Ratio = -0.07345 + 0.73244 *A

100) Benzo[g,h,i] 1.130 1.223 0.950 1.206 1.116 0.867 1.193 1.182 1.109  11.77

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

           M3P1417.M         Thu Jun 26 16:51:50 2014   RPT1
```

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33184.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33184.D Vial: 10
Acq On : 26 Jun 2014 1:30 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	4.45
9	t	Phenol	1.650	1.497	9.3	90	0.00	4.22
12	t	2-Chlorophenol	1.300	1.321	-1.6	105	0.00	4.31
19	t	2-Methylphenol	1.011	1.108	-9.6	112	0.00	4.65
21	t	3&4-Methylphenol	0.997	1.167	-17.1	112	0.00	4.77
24	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00	5.37
29	t	2-Nitrophenol	0.206	0.209	-1.5	103	0.00	5.10
30	t	2,4-Dimethylphenol	0.308	0.373	-21.1	116	0.00	5.14
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	46.319	7.4	97	0.00	5.25
33	t	2,4-Dichlorophenol	0.329	0.351	-6.7	111	0.00	5.29
34	t	2,6-Dichlorophenol	0.329	0.343	-4.3	111	0.00	5.44
43	t	4-Chloro-3-methylphenol	0.313	0.312	0.3	112	-0.01	5.79
47	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00	6.71
		----------	AvgRF	CCRF	% Dev	----------		
49	t	2,4,6-Trichlorophenol	0.424	0.425	-0.2	111	0.00	6.10
50	t	2,4,5-Trichlorophenol	0.479	0.498	-4.0	113	0.00	6.14
60	t	2,4-Dinitrophenol	0.160	0.148	7.5	90	0.00	6.80
61	t	4-Nitrophenol	0.164	0.169	-3.0	118	0.00	6.89
64		2,3,4,6-Tetrachlorophenol	0.409	0.409	0.0	115	0.00	7.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	8.48
70	t	4,6-Dinitro-2-methylpheno	0.135	0.133	1.5	108	0.00	7.35
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	100.000	117.48	-17.48	110	0.00	8.24
83	I	Chrysene-d12	1.000	1.000	0.0	106	0.00	13.64
91	I	Perylene-d12	1.000	1.000	0.0	116	0.00	16.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:37 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33185.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33185.D Vial: 11
Acq On : 26 Jun 2014 1:55 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	4.45
4	t	N-Nitrosodimethylamine	0.617	0.457	25.9	67	-0.01	2.23
11	t	bis(2-Chloroethyl)ether	1.059	0.920	13.1	90	0.00	4.26
14	t	1,3-Dichlorobenzene	1.577	1.306	17.2	87	0.00	4.41
15	t	1,4-Dichlorobenzene	1.596	1.317	17.5	90	0.00	4.46
17	t	1,2-Dichlorobenzene	1.500	1.253	16.5	90	0.00	4.57
20	t	2,2'-oxybis(1-Chloropropa	1.241	1.065	14.2	94	0.00	4.65
22	t	n-Nitroso-di-n-propylamin	0.811	0.741	8.6	98	0.00	4.75
23	t	Hexachloroethane	0.717	0.585	18.4	92	0.00	4.82
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.37
26	t	Nitrobenzene	0.390	0.319	18.2	94	0.00	4.87
28	t	Isophorone	0.646	0.528	18.3	94	0.00	5.04
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.356	0.334	6.2	104	0.00	5.20
36	t	1,2,4-Trichlorobenzene	0.429	0.358	16.6	98	0.00	5.33
38	t	Naphthalene	1.018	0.861	15.4	98	0.00	5.39
42	t	Hexachlorobutadiene	0.281	0.225	19.9	96	0.00	5.48
47	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00	6.71
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	83.55	16.45	66	0.00	6.00
52	t	2-Chloronaphthalene	1.209	1.023	15.4	104	0.00	6.25
55	t	Dimethylphthalate	1.329	1.198	9.9	110	0.00	6.47
56	t	Acenaphthylene	1.845	1.334	27.7	89	0.00	6.59
57	t	2,6-Dinitrotoluene	0.310	0.265	14.5	104	0.00	6.53
59	t	Acenaphthene	1.134	1.010	10.9	111	0.00	6.75
63	t	2,4-Dinitrotoluene	0.421	0.359	14.7	99	0.00	6.91
65	t	Diethylphthalate	1.338	1.172	12.4	109	0.00	7.14
66	t	Fluorene	1.411	1.226	13.1	107	0.00	7.27
67	t	4-Chlorophenyl-phenylethe	0.745	0.667	10.5	108	0.00	7.26
69	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	8.48
71	t	n-Nitrosodiphenylamine	0.475	0.405	14.7	108	0.00	7.40
72	t	1,2-Diphenylhydrazine	0.640	0.534	16.6	104	0.00	7.45
74	t	4-Bromophenyl-phenylether	0.259	0.221	14.7	106	0.00	7.86
75	t	Hexachlorobenzene	0.309	0.253	18.1	105	0.00	7.95

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33185.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.080	0.918	15.0	112	0.00	8.52
78	t	Anthracene	1.070	0.906	15.3	106	0.00	8.59
80	t	Di-n-butylphthalate	1.226	1.108	9.6	111	0.00	9.53
81	t	Fluoranthene	1.365	1.207	11.6	113	0.00	10.59
83	I	Chrysene-d12	1.000	1.000	0.0	119	0.00	13.65
84	t	Pyrene	1.143	0.953	16.6	114	0.00	11.02
86	t	Butylbenzylphthalate	0.460	0.416	9.6	118	0.00	12.60
87	t	Benzo[a]anthracene	1.172	0.993	15.3	121	0.00	13.62
89	t	Chrysene	1.021	0.882	13.6	125	0.00	13.70
90	t	bis(2-Ethylhexyl)phthalat	0.602	0.533	11.5	119	0.00	14.01
91	I	Perylene-d12	1.000	1.000	0.0	121	0.00	16.68
92	t	Di-n-octylphthalate	1.269	1.132	10.8	120	0.00	15.45
93	t	Benzo[b]fluoranthene	1.367	1.142	16.5	119	-0.01	15.93
94	t	Benzo[k]fluoranthene	1.294	1.097	15.2	127	0.00	15.99
95	t	Benzo[a]pyrene	1.196	1.058	11.5	128	0.00	16.57
96	t	Indeno[1,2,3-cd]pyrene	1.109	0.991	10.6	135	0.00	18.64
98	t	Dibenz[a,h]anthracene	1.125	1.005	10.7	133	0.00	18.69

			AvgRF	CCRF	% Dev			
100	t	Benzo[g,h,i]perylene	1.109	0.986	11.1	137	0.00	19.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:39 2014 RPT1

8.7.32

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33186.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33186.D Vial: 12
Acq On : 26 Jun 2014 2:20 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	4.45
2	t	1,4-Dioxane	0.464	0.394	15.1	82	-0.01	1.91
6	t	Indene	2.056	2.212	-7.6	123	0.00	4.64
7	t	Cumene	3.143	3.113	1.0	106	0.00	3.85
13	t	Decane	1.050	1.009	3.9	105	0.00	4.34
18	t	Acetophenone	1.670	1.796	-7.5	118	0.00	4.75
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.37
27	t	Quinoline	0.728	0.783	-7.6	131	0.00	5.63
40	t	2,3-Dichloroaniline	0.448	0.432	3.6	114	0.00	6.09
41	t	Caprolactam	0.106	0.113	-6.6	124	-0.02	5.68
45	t	1-Methylnaphthalene	0.666	0.719	-8.0	128	0.00	5.95
46	t	Dimethylnaphthalene	0.725	0.763	-5.2	124	0.00	6.36
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	6.71
53	t	Biphenyl	1.486	1.536	-3.4	129	0.00	6.23
69	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00	8.48
82	t	Octadecane	0.345	0.378	-9.6	132	0.00	8.39
83	I	Chrysene-d12	1.000	1.000	0.0	117	-0.01	13.64
91	I	Perylene-d12	1.000	1.000	0.0	113	0.00	16.68
99	t	7,12-Dimethylbenz(a)anthr	50.000	37.197	25.6	98	-0.02	15.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:41 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33187.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33187.D Vial: 13
Acq On : 26 Jun 2014 2:46 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	4.45
5	S	2-Fluorophenol	1.119	0.991	11.4	94	0.00	3.48
8	S	Phenol-d5	1.374	1.216	11.5	91	0.00	4.22
24	I	Naphthalene-d8	1.000	1.000	0.0	116	0.00	5.37
25	S	Nitrobenzene-d5	0.370	0.318	14.1	109	0.00	4.86
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	6.71
51	S	2-Fluorobiphenyl	1.347	1.158	14.0	114	0.00	6.15
69	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00	8.48
73	S	2,4,6-Tribromophenol	0.129	0.118	8.5	117	0.00	7.55
83	I	Chrysene-d12	1.000	1.000	0.0	122	0.00	13.64
85	S	Terphenyl-d14	0.826	0.743	10.0	124	0.00	11.45
91	I	Perylene-d12	1.000	1.000	0.0	129	0.00	16.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:43 2014 RPT1

8.7.34

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33188.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33188.D Vial: 14
Acq On : 26 Jun 2014 3:11 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	92	-0.01	13.64
88 t	3,3'-Dichlorobenzidine	0.430	0.396	7.9	99	0.00	13.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:45 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E3P1417-ICV1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33189.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1417\3P33189.D Vial: 15
Acq On : 26 Jun 2014 3:36 pm Operator: samtap
Sample : icv1417-50 Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	4.46
3	t	Pyridine	1.116	1.258	-12.7	123	0.10	2.37
10		Aniline	1.667	2.063	-23.8	144	0.00	4.22
16	t	Benzyl alcohol	0.704	0.904	-28.4	157	0.00	4.57
24	I	Naphthalene-d8	1.000	1.000	0.0	140	0.00	5.37
39	t	4-Chloroaniline	0.438	0.457	-4.3	159	0.00	5.44
44	t	2-Methylnaphthalene	0.648	0.632	2.5	155	0.00	5.88
47	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00	6.71
54	t	2-Nitroaniline	0.338	0.341	-0.9	157	0.00	6.33
58	t	3-Nitroaniline	0.323	0.330	-2.2	163	0.00	6.69
62	t	Dibenzofuran	1.732	1.698	2.0	156	0.00	6.91
68	t	4-Nitroaniline	0.300	0.317	-5.7	165	0.00	7.31
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	0.00	8.48
79	t	Carbazole	1.025	0.983	4.1	159	0.00	8.87

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33176.D M3P1417.M Fri Jun 27 10:20:47 2014 RPT1

8.7.36

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1419-CC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33223.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1419\3P33223.D Vial: 2
Acq On : 27 Jun 2014 9:39 am Operator: samtap
Sample : cc1417-25 Inst : MS3P
Misc : op75725,e3p1419 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00	4.46
2	t	1,4-Dioxane	0.464	0.452	2.6	144	0.02	1.93
3	t	Pyridine	1.116	1.056	5.4	129	0.02	2.29
4	t	N-Nitrosodimethylamine	0.617	0.593	3.9	131	0.02	2.25
5	S	2-Fluorophenol	1.119	1.031	7.9	123	0.00	3.49
6	t	Indene	2.056	1.905	7.3	127	0.00	4.64
7	t	Cumene	3.143	2.927	6.9	127	0.00	3.86
8	S	Phenol-d5	1.374	1.319	4.0	123	0.00	4.22
9	t	Phenol	1.650	1.557	5.6	125	0.00	4.23
10		Aniline	1.667	1.553	6.8	116	0.00	4.22
11	t	bis(2-Chloroethyl)ether	1.059	1.007	4.9	127	0.00	4.26
12	t	2-Chlorophenol	1.300	1.231	5.3	124	0.00	4.31
13	t	Decane	1.050	0.994	5.3	128	0.00	4.34
14	t	1,3-Dichlorobenzene	1.577	1.464	7.2	124	0.00	4.41
15	t	1,4-Dichlorobenzene	1.596	1.513	5.2	126	0.00	4.47
16	t	Benzyl alcohol	0.704	0.676	4.0	121	0.00	4.57
17	t	1,2-Dichlorobenzene	1.500	1.405	6.3	127	0.00	4.58
18	t	Acetophenone	1.670	1.559	6.6	119	0.00	4.75
19	t	2-Methylphenol	1.011	0.987	2.4	124	0.00	4.67
20	t	2,2'-oxybis(1-Chloropropa	1.241	1.091	12.1	118	0.00	4.65
21	t	3&4-Methylphenol	0.997	1.054	-5.7	131	0.01	4.78
22	t	n-Nitroso-di-n-propylamin	0.811	0.733	9.6	117	0.00	4.75
23	t	Hexachloroethane	0.717	0.625	12.8	121	0.00	4.82
24	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	5.38
25	S	Nitrobenzene-d5	0.370	0.339	8.4	112	0.00	4.86
26	t	Nitrobenzene	0.390	0.356	8.7	120	0.00	4.87
27	t	Quinoline	0.728	0.627	13.9	115	0.00	5.63
28	t	Isophorone	0.646	0.567	12.2	113	0.00	5.05
29	t	2-Nitrophenol	0.206	0.193	6.3	118	0.00	5.11
30	t	2,4-Dimethylphenol	0.308	0.309	-0.3	112	0.00	5.15
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	25.000	24.655	1.4	118	0.01	5.26
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.356	0.327	8.1	114	0.00	5.20
33	t	2,4-Dichlorophenol	0.329	0.311	5.5	119	0.01	5.30
34	t	2,6-Dichlorophenol	0.329	0.301	8.5	113	0.00	5.45
35		1,3,5-Trichlorobenzene	0.458	0.425	7.2	121	0.00	5.11
36	t	1,2,4-Trichlorobenzene	0.429	0.385	10.3	117	0.00	5.34
37		1,2,3-Trichlorobenzene	0.420	0.378	10.0	116	0.00	5.50

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1419-CC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33223.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.018	0.905	11.1	116	0.00	5.39
39	t	4-Chloroaniline	0.438	0.400	8.7	115	0.00	5.44
40	t	2,3-Dichloroaniline	0.448	0.390	12.9	112	0.00	6.10
41	t	Caprolactam	0.106	0.092	13.2	110	0.00	5.70
42	t	Hexachlorobutadiene	0.281	0.247	12.1	114	0.00	5.48
43	t	4-Chloro-3-methylphenol	0.313	0.270	13.7	111	0.00	5.80
44	t	2-Methylnaphthalene	0.648	0.581	10.3	116	0.00	5.88
45	t	1-Methylnaphthalene	0.666	0.581	12.8	114	0.00	5.95
46	t	Dimethylnaphthalene	0.725	0.625	13.8	114	0.00	6.36
47	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00	6.72
			True	Calc.	% Drift			
48	t	Hexachlorocyclopentadiene	50.000	40.155	19.7	92	0.00	6.00
			AvgRF	CCRF	% Dev			
49	t	2,4,6-Trichlorophenol	0.424	0.380	10.4	112	0.00	6.11
50	t	2,4,5-Trichlorophenol	0.479	0.430	10.2	105	0.01	6.15
51	S	2-Fluorobiphenyl	1.347	1.230	8.7	112	0.00	6.15
52	t	2-Chloronaphthalene	1.209	1.089	9.9	113	0.00	6.25
53	t	Biphenyl	1.486	1.311	11.8	110	0.00	6.23
54	t	2-Nitroaniline	0.338	0.292	13.6	110	0.00	6.34
55	t	Dimethylphthalate	1.329	1.157	12.9	107	0.00	6.48
56	t	Acenaphthylene	1.845	1.650	10.6	111	0.00	6.60
57	t	2,6-Dinitrotoluene	0.310	0.275	11.3	109	0.00	6.54
58	t	3-Nitroaniline	0.323	0.282	12.7	108	0.01	6.70
59	t	Acenaphthene	1.134	1.000	11.8	110	0.00	6.75
60	t	2,4-Dinitrophenol	0.160	0.142	11.3	110	0.02	6.82
61	t	4-Nitrophenol	0.164	0.125	23.8#	94	0.04	6.93
62	t	Dibenzofuran	1.732	1.495	13.7	109	0.00	6.92
63	t	2,4-Dinitrotoluene	0.421	0.378	10.2	106	0.00	6.92
64		2,3,4,6-Tetrachlorophenol	0.409	0.333	18.6	100	0.01	7.06
65	t	Diethylphthalate	1.338	1.133	15.3	103	0.00	7.15
66	t	Fluorene	1.411	1.227	13.0	108	0.00	7.28
67	t	4-Chlorophenyl-phenylethe	0.745	0.647	13.2	107	0.00	7.27
68	t	4-Nitroaniline	0.300	0.268	10.7	106	0.02	7.33
69	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00	8.49
70	t	4,6-Dinitro-2-methylpheno	0.135	0.113	16.3	99	0.02	7.37
71	t	n-Nitrosodiphenylamine	0.475	0.444	6.5	104	0.00	7.41
72	t	1,2-Diphenylhydrazine	0.640	0.582	9.1	102	0.00	7.46
73	S	2,4,6-Tribromophenol	0.129	0.118	8.5	102	0.01	7.56
74	t	4-Bromophenyl-phenylether	0.259	0.239	7.7	104	0.00	7.86
75	t	Hexachlorobenzene	0.309	0.274	11.3	103	0.00	7.96
			True	Calc.	% Drift			
76	t	Pentachlorophenol	50.000	44.946	10.1	91	0.02	8.26
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.080	0.974	9.8	102	0.00	8.53
78	t	Anthracene	1.070	0.988	7.7	101	0.00	8.60
79	t	Carbazole	1.025	0.925	9.8	101	0.01	8.88
80	t	Di-n-butylphthalate	1.226	1.089	11.2	97	0.00	9.54
81	t	Fluoranthene	1.365	1.185	13.2	96	0.01	10.60
82	t	Octadecane	0.345	0.320	7.2	106	0.00	8.39
83	I	Chrysene-d12	1.000	1.000	0.0	90	0.02	13.66
84	t	Pyrene	1.143	1.057	7.5	96	0.01	11.04
85	S	Terphenyl-d14	0.826	0.780	5.6	96	0.01	11.46
86	t	Butylbenzylphthalate	0.460	0.417	9.3	91	0.01	12.61

8.7.37

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1419-CC1417
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33223.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

87	t	Benzo[a]anthracene	1.172	1.024	12.6	91	0.01	13.64
88	t	3,3'-Dichlorobenzidine	0.430	0.390	9.3	90	0.02	13.69
89	t	Chrysene	1.021	0.917	10.2	92	0.01	13.72
90	t	bis(2-Ethylhexyl)phthalat	0.602	0.552	8.3	93	0.01	14.02
91	I	Perylene-d12	1.000	1.000	0.0	86	0.02	16.71
92	t	Di-n-octylphthalate	1.269	1.113	12.3	89	0.01	15.46
93	t	Benzo[b]fluoranthene	1.367	1.175	14.0	88	0.02	15.96
94	t	Benzo[k]fluoranthene	1.294	1.102	14.8	86	0.02	16.01
95	t	Benzo[a]pyrene	1.196	1.035	13.5	87	0.02	16.59
96	t	Indeno[1,2,3-cd]pyrene	1.109	0.913	17.7	85	0.03	18.67
97	t	Dibenz(a,h)acridine	1.069	0.871	18.5	83	0.03	18.30
98	t	Dibenz[a,h]anthracene	1.125	0.954	15.2	87	0.03	18.72
			True	Calc.	% Drift			
99	t	7,12-Dimethylbenz(a)anthr	25.000	22.758	9.0	87	0.01	15.96
			AvgRF	CCRF	% Dev			
100	t	Benzo[g,h,i]perylene	1.109	0.912	17.8	83	0.03	19.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33182.D M3P1417.M Fri Jun 27 14:52:21 2014 RPT1

8.7.37

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E3P1419-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33224.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1419\3P33224.D Vial: 3
Acq On : 27 Jun 2014 10:07 am Operator: samtap
Sample : cc1390-25 Inst : MS3P
Misc : op75725,e3p1419 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1417.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 17:56:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
101	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	88	0.00	4.45
102		Benzaldehyde	0.846	0.756	10.6	77	0.12	4.14
103	I	Acenaphthene-d10a	1.000	1.000	0.0	103	0.00	6.72
105		Atrazine	0.153	0.180	-17.6	115	-0.18	8.12
106		1,2,4,5-Tetrachlorobenzen	0.576	0.654	-13.5	117	-0.12	6.01
107		Chrysene-d12a	1.000	1.000	0.0	135	0.02	13.66
108		Benzidine	0.511	0.286	44.0#	75	0.04	10.96
109	I	Naphthalene-d8a	1.000	1.000	0.0	89	0.00	5.38
110	t	Hydroquinone	0.281	0.290	-3.2	90	0.14	5.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33182.D M3P1417.M Fri Jun 27 14:52:24 2014 RPT1

8.7.38

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** E6P357-ICC357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8277.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS6P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

Calibration Files
100 =6p8273.D 80 =6p8275.D 50 =6p8277.D 25 =6p8280.D
10 =6p8276.D 5 =6p8278.D 2 =6p8279.D 1 =6p8274.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.659	0.673	0.604	0.649	0.683	0.671	0.579		0.645	6.06
3) Pyridine	1.797	1.825	1.531	1.598	1.887	1.866	1.862	1.165	1.691	14.80
4) N-Nitrosodim	1.072	1.093	0.958	0.996	1.151	1.087	1.070	1.097	1.066	5.69
5) 2-Fluorophen	1.511	1.556	1.337	1.431	1.631	1.625	1.508	1.678	1.535	7.36
6) Indene	2.330	2.427	2.195	2.467	2.933	3.098	3.075	3.018	2.693	13.86
7) Cumene	3.607	3.762	3.323	3.631	4.238	4.433	4.204	4.293	3.937	10.27
8) Phenol-d5	1.821	1.884	1.690	1.809	2.059	2.147	1.922	2.032	1.920	7.86
9) Phenol	2.024	2.142	1.966	2.157	2.587	2.586	2.481	2.460	2.300	11.09
10) Aniline	1.903	2.033	2.280	2.510	2.800	2.976	2.979	3.120	2.575	18.03
11) bis(2-Chloro	1.528	1.577	1.412	1.514	1.737	1.843	1.743	1.787	1.643	9.41
12) 2-Chlorophen	1.425	1.504	1.320	1.439	1.680	1.731	1.623	1.660	1.548	9.46
13) Decane	1.540	1.628	1.481	1.647	1.923	2.019	1.922	1.816	1.747	11.41
14) 1,3-Dichloro	1.548	1.632	1.431	1.555	1.839	1.894	1.911	1.828	1.705	10.85
15) 1,4-Dichloro	1.543	1.619	1.438	1.575	1.830	1.918	1.878	1.933	1.717	11.31
16) Benzyl alcoh	0.985	1.021	0.926	1.045	1.210	1.198	1.114	1.206	1.088	10.12
17) 1,2-Dichloro	1.411	1.493	1.347	1.481	1.775	1.831	1.809	1.864	1.626	13.10
18) Acetophenone	1.947	2.021	1.890	2.127	2.518	2.676	2.644	2.631	2.307	14.81
19) 2-Methylphen	1.212	1.264	1.212	1.368	1.566	1.583	1.469	1.493	1.396	10.98
20) 2,2'-oxybis(	0.468	0.489	0.461	0.491	0.590	0.606	0.583	0.659	0.543	13.81
21) 3&4-Methylph	1.258	1.318	1.289	1.477	1.673	1.613	1.615	1.564	1.476	11.22
22) n-Nitroso-di	0.977	1.020	0.981	1.115	1.292	1.402	1.423	1.403	1.202	16.56
23) Hexachloroet	0.551	0.573	0.513	0.550	0.653	0.676	0.616	0.602	0.592	9.38
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.427	0.437	0.394	0.411	0.475	0.472	0.473	0.498	0.448	8.09
26) Nitrobenzene	0.463	0.475	0.425	0.452	0.540	0.530	0.520	0.539	0.493	9.09
27) Quinoline	0.747	0.748	0.655	0.699	0.830	0.827	0.809	0.851	0.771	9.05
28) Isophorone	0.770	0.798	0.718	0.764	0.896	0.908	0.863	0.974	0.836	10.45
29) 2-Nitropheno	0.197	0.207	0.183	0.190	0.226	0.221	0.202	0.215	0.205	7.26
30) 2,4-Dimethyl	0.366	0.370	0.335	0.361	0.357	0.347	0.328	0.309	0.347	6.12
31) Benzoic Acid	0.300	0.361	0.286	0.247	0.278	0.221			0.282	17.00
32) bis(2-Chloro	0.441	0.457	0.411	0.444	0.505	0.515	0.505	0.506	0.473	8.28
33) 2,4-Dichloro	0.294	0.310	0.269	0.285	0.338	0.335	0.308	0.323	0.308	7.86
34) 2,6-Dichloro	0.279	0.291	0.264	0.283	0.335	0.333	0.308	0.341	0.304	9.61
35) 1,3,5-Trichl	0.310	0.329	0.303	0.340	0.402	0.407	0.409	0.419	0.365	13.41
36) 1,2,4-Trichl	0.308	0.321	0.293	0.312	0.381	0.391	0.385	0.384	0.347	12.03
37) 1,2,3-Trichl	0.300	0.316	0.291	0.312	0.379	0.383	0.386	0.399	0.346	12.96
38) Naphthalene	0.990	1.039	0.944	1.041	1.218	1.267	1.234	1.283	1.127	12.15
39) 4-Chloroanil	0.401	0.427	0.417	0.447	0.512	0.510	0.497	0.505	0.465	9.96
40) 2,3-Dichloro	0.365	0.375	0.344	0.368	0.433	0.441	0.428	0.460	0.402	10.81
41) Caprolactam	0.195	0.200	0.173	0.177	0.204	0.211	0.198	0.183	0.193	7.03
42) Hexachlorobu	0.162	0.171	0.159	0.172	0.208	0.208	0.199	0.204	0.185	11.55
43) 4-Chloro-3-m	0.353	0.364	0.320	0.322	0.388	0.390	0.362	0.385	0.361	7.70
44) 2-Methylnaph	0.579	0.603	0.554	0.587	0.702	0.724	0.676	0.731	0.644	11.09
45) 1-Methylnaph	0.579	0.612	0.554	0.596	0.708	0.746	0.722	0.744	0.657	12.16

8.7.39

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** E6P357-ICC357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8277.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.619	0.646	0.594	0.641	0.767	0.770	0.766	0.785	0.698	11.50
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.291	0.308	0.268	0.278	0.326	0.282			0.292	7.30
49)	2,4,6-Trichl	0.346	0.363	0.316	0.345	0.433	0.418	0.397	0.424	0.380	11.43
50)	2,4,5-Trichl	0.398	0.416	0.364	0.375	0.439	0.442	0.417	0.433	0.411	7.06
51)	2-Fluorobiph	1.152	1.227	1.093	1.193	1.441	1.465	1.466	1.514	1.319	12.80
52)	2-Chloronaph	1.063	1.146	1.011	1.101	1.376	1.396	1.348	1.442	1.235	13.93
53)	Biphenyl	1.307	1.409	1.240	1.363	1.679	1.727	1.687	1.746	1.520	13.80
54)	2-Nitroanili	0.417	0.436	0.363	0.379	0.461	0.449	0.402	0.464	0.421	8.93
55)	Dimethylphth	1.223	1.278	1.125	1.191	1.429	1.453	1.422	1.533	1.332	11.00
56)	Acenaphthyle	1.707	1.802	1.555	1.691	2.040	2.062	1.981	2.107	1.868	11.02
57)	2,6-Dinitrot	0.311	0.324	0.273	0.282	0.337	0.317	0.288	0.300	0.304	7.29
58)	3-Nitroanili	0.353	0.368	0.311	0.318	0.379	0.365	0.318	0.328	0.342	7.79
59)	Acenaphthene	1.040	1.093	0.960	1.022	1.254	1.287	1.291	1.374	1.165	13.21
60)	2,4-Dinitrop	0.202	0.208	0.164	0.136	0.155	0.167			0.172	16.22
61)	4-Nitropheno	0.203	0.203	0.167	0.153	0.146	0.156			0.171	14.74
62)	Dibenzofuran	1.423	1.527	1.349	1.515	1.881	1.951	1.899	2.070	1.702	16.26
63)	2,4-Dinitrot	0.382	0.404	0.356	0.379	0.472	0.450	0.382	0.404	0.404	9.65
64)	2,3,4,6-Tetr	0.318	0.340	0.288	0.295	0.354	0.353	0.321	0.311	0.322	7.68
65)	Diethylphtha	1.156	1.230	1.081	1.152	1.404	1.427	1.375	1.688	1.314	15.12
66)	Fluorene	1.254	1.329	1.162	1.266	1.530	1.545	1.505	1.595	1.398	11.72
67)	4-Chlorophen	0.570	0.611	0.552	0.601	0.727	0.734	0.721	0.759	0.659	12.72
68)	4-Nitroanili	0.352	0.369	0.318	0.324	0.378	0.365	0.319	0.348	0.347	6.81
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.178	0.181	0.143	0.128	0.146				0.155	14.91
71)	n-Nitrosodip	0.548	0.565	0.490	0.518	0.628	0.628	0.596	0.625	0.575	9.28
72)	1,2-Diphenyl	0.958	0.992	0.843	0.908	1.081	1.087	1.051	1.158	1.010	10.33
73)	2,4,6-Tribro	0.111	0.116	0.095	0.098	0.112	0.110	0.103	0.107	0.106	6.86
74)	4-Bromopheny	0.209	0.216	0.190	0.195	0.235	0.235	0.235	0.252	0.221	9.97
75)	Hexachlorobe	0.239	0.247	0.217	0.231	0.281	0.279	0.288	0.313	0.262	12.60
76)	Pentachlorop	0.155	0.159	0.138	0.140	0.162	0.146			0.150	6.76
77)	Phenanthrene	1.120	1.172	1.012	1.075	1.295	1.365	1.352	1.435	1.228	12.55
78)	Anthracene	1.134	1.174	1.037	1.119	1.309	1.366	1.323	1.355	1.227	10.25
79)	Carbazole	1.131	1.170	1.003	1.076	1.300	1.323	1.247	1.345	1.199	10.37
80)	Di-n-butylph	1.267	1.318	1.148	1.211	1.416	1.392	1.296	1.436	1.310	7.75
81)	Fluoranthene	1.276	1.329	1.160	1.206	1.459	1.463	1.437	1.507	1.355	9.64
82)	Octadecane	0.548	0.570	0.492	0.537	0.643	0.667	0.609	0.679	0.593	11.32
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.368	1.435	1.164	1.222	1.451	1.495	1.419	1.514	1.384	9.16
85)	Butyl steara	0.417	0.442	0.496	0.512	0.429	0.410	0.346	0.436	0.436	11.80
86)	Terphenyl-d1	0.891	0.957	0.761	0.792	0.942	0.949	0.897	0.971	0.895	8.78
87)	Butylbenzylp	0.614	0.631	0.512	0.511	0.599	0.570	0.519	0.592	0.569	8.52
88)	Benzo[a]anth	1.215	1.255	1.015	1.051	1.268	1.281	1.252	1.368	1.213	9.89
89)	3,3'-Dichlor	0.438	0.466	0.373	0.397	0.481	0.472	0.393	0.476	0.437	9.90
90)	Chrysene	1.207	1.254	1.010	1.045	1.277	1.294	1.229	1.371	1.211	10.19
91)	bis(2-Ethylh		0.875	0.712	0.710	0.839	0.803	0.686		0.771	10.20
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph		1.477	1.178	1.203	1.518	1.416	1.160		1.325	12.28
94)	Benzo[b]fluo	1.272	1.308	1.019	1.135	1.427	1.492	1.191	1.506	1.294	13.52
95)	Benzo[k]fluo	1.097	1.271	1.049	1.134	1.502	1.541	1.387	1.648	1.329	16.91
96)	Benzo[a]pyre	1.138	1.210	0.972	1.023	1.327	1.333	1.160	1.462	1.203	13.73
97)	Indeno[1,2,3	1.307	1.358	0.985	1.017	1.310	1.101	0.910	1.104	1.136	14.85
98)	Dibenz(a,h)a	1.142	1.199	0.917	0.942	1.201	1.141	0.925	1.052	1.065	11.48
99)	Dibenz[a,h]a	1.271	1.348	1.037	1.093	1.435	1.261	1.001	1.235	1.210	12.65
100)	7,12-Dimethy	0.537	0.589	0.495	0.546	0.548	0.410	0.287	0.336	0.469	23.67
101)	Benzo[g,h,i]	1.272	1.314	1.023	1.063	1.401	1.384	1.271	1.527	1.282	13.21

8.7.39

8

Initial Calibration Summary

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P357-ICC357
Lab FileID: 6P8277.D

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

M6P357.M Tue Jul 01 16:02:57 2014 RPT1

Initial Calibration Summary

Job Number: JB69123 **Sample:** E6P358-ICC358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8286.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS6P

Method : C:\MSDCHEM\1\METHODS\M6P357eph.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 08:48:16 2014
Response via : Initial Calibration

Calibration Files
100 =6p8282.D 80 =6p8284.D 50 =6p8286.D 25 =6p8289.D
10 =6p8285.D 5 =6p8287.D 2 =6p8288.D 1 =6p8283.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.147	1.199	1.216	1.258	1.412	1.334	1.412	1.284	1.283	7.61
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.118	0.121	0.118	0.123	0.135	0.109	0.125	0.096	0.118	9.63
106) o-terphenyl	0.542	0.561	0.581	0.609	0.703	0.634	0.754	0.713	0.637	12.23
107) Chrysene-d12a	ISTD									
108) Benzidine	0.486	0.512	0.667	0.743	0.742	0.539			0.615	19.01
109) 1-chlorooctа	0.363	0.369	0.369	0.378	0.410	0.356	0.366	0.351	0.370	4.83
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.550	0.563	0.545	0.546	0.631	0.541	0.616	0.603	0.574	6.31
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.389	0.383	0.321	0.307	0.268				0.334	15.53

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

M6P357eph.M Wed Jul 02 08:48:43 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8290.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8290.D Vial: 18
Acq On : 26 Jun 2014 10:47 pm Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00	4.53
9	t	Phenol	2.300	1.975	14.1	86	-0.01	4.27
12	t	2-Chlorophenol	1.548	1.416	8.5	91	-0.01	4.37
19	t	2-Methylphenol	1.396	1.363	2.4	96	-0.01	4.73
21	t	3&4-Methylphenol	1.476	1.437	2.6	95	-0.01	4.85
24	I	Naphthalene-d8	1.000	1.000	0.0	83	-0.01	5.60
29	t	2-Nitrophenol	0.205	0.192	6.3	86	-0.01	5.25
30	t	2,4-Dimethylphenol	0.347	0.378	-8.9	93	-0.01	5.30
31		Benzoic Acid	0.282	0.238	15.6	69	-0.04	5.40
33	t	2,4-Dichlorophenol	0.308	0.298	3.2	91	-0.01	5.47
34		2,6-Dichlorophenol	0.304	0.296	2.6	93	-0.02	5.69
43	t	4-Chloro-3-methylphenol	0.361	0.339	6.1	87	-0.02	6.18
47	I	Acenaphthene-d10	1.000	1.000	0.0	78	-0.01	7.65
49	t	2,4,6-Trichlorophenol	0.380	0.375	1.3	92	-0.02	6.68
50	t	2,4,5-Trichlorophenol	0.411	0.405	1.5	86	-0.03	6.72
61	t	4-Nitrophenol	0.171	0.166	2.9	77	-0.02	7.88
64		2,3,4,6-Tetrachlorophenol	0.322	0.309	4.0	83	-0.02	8.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	76	-0.02	9.82
70	t	4,6-Dinitro-2-methylpheno	0.155	0.132	14.8	71	-0.02	8.52
76	t	Pentachlorophenol	0.150	0.148	1.3	82	-0.01	9.56
83	I	Chrysene-d12	1.000	1.000	0.0	78	-0.02	14.01
92	I	Perylene-d12	1.000	1.000	0.0	71	-0.01	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:30 2014 RPT1

8.7.41

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8291.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8291.D Vial: 19
Acq On : 26 Jun 2014 11:15 pm Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	4.53
4	t	N-Nitrosodimethylamine	1.066	0.932	12.6	93	0.00	2.29
11	t	bis(2-Chloroethyl)ether	1.643	1.474	10.3	100	-0.01	4.33
14	t	1,3-Dichlorobenzene	1.705	1.391	18.4	94	0.00	4.48
15	t	1,4-Dichlorobenzene	1.717	1.409	17.9	94	0.00	4.54
17	t	1,2-Dichlorobenzene	1.626	1.350	17.0	96	0.00	4.66
20	t	2,2'-oxybis(1-Chloropropa	0.543	0.474	12.7	99	-0.01	4.74
22	t	n-Nitroso-di-n-propylamin	1.202	1.090	9.3	107	-0.02	4.84
23	t	Hexachloroethane	0.592	0.497	16.0	93	0.00	4.93
24	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00	5.61
26	t	Nitrobenzene	0.493	0.404	18.1	93	-0.01	4.98
28	t	Isophorone	0.836	0.675	19.3	92	-0.02	5.18
32	t	bis(2-Chloroethoxy)methan	0.473	0.431	8.9	102	-0.01	5.38
36	t	1,2,4-Trichlorobenzene	0.347	0.284	18.2	95	0.00	5.55
38	t	Naphthalene	1.127	0.918	18.5	95	-0.01	5.62
42	t	Hexachlorobutadiene	0.185	0.156	15.7	95	0.00	5.76
47	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.01	7.65
48	t	Hexachlorocyclopentadiene	0.292	0.216	26.0	76	0.00	6.54
52	t	2-Chloronaphthalene	1.235	0.987	20.1	91	-0.02	6.92
55	t	Dimethylphthalate	1.332	1.126	15.5	94	-0.01	7.32
56	t	Acenaphthylene	1.868	1.335	28.5	80	-0.02	7.45
57	t	2,6-Dinitrotoluene	0.304	0.251	17.4	86	-0.02	7.38
59	t	Acenaphthene	1.165	1.011	13.2	99	-0.02	7.69
63	t	2,4-Dinitrotoluene	0.404	0.339	16.1	89	-0.02	7.93
65	t	Diethylphthalate	1.314	1.085	17.4	94	-0.02	8.31
66	t	Fluorene	1.398	1.180	15.6	95	-0.02	8.42
67	t	4-Chlorophenyl-phenylethe	0.659	0.569	13.7	97	-0.01	8.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.02	9.82
71	t	n-Nitrosodiphenylamine	0.575	0.489	15.0	92	-0.02	8.62
72	t	1,2-Diphenylhydrazine	1.010	0.872	13.7	96	-0.01	8.68
74	t	4-Bromophenyl-phenylether	0.221	0.197	10.9	96	-0.01	9.17
75	t	Hexachlorobenzene	0.262	0.215	17.9	92	-0.02	9.24
77	t	Phenanthrene	1.228	1.010	17.8	92	-0.02	9.85
78	t	Anthracene	1.227	1.024	16.5	91	-0.02	9.93
80	t	Di-n-butylphthalate	1.310	1.147	12.4	93	-0.02	10.85
81	t	Fluoranthene	1.355	1.142	15.7	91	-0.02	11.72
83	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01	14.02
84	t	Pyrene	1.384	1.212	12.4	94	-0.02	12.07
87	t	Butylbenzylphthalate	0.569	0.523	8.1	92	-0.01	13.24
88	t	Benzo[a]anthracene	1.213	1.018	16.1	91	-0.01	14.00
90	t	Chrysene	1.211	1.085	10.4	97	-0.02	14.06
91	t	bis(2-Ethylhexyl)phthalat	0.771	0.723	6.2	92	0.00	14.22

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8291.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

92	I	Perylene-d12	1.000	1.000	0.0	89	-0.01	16.13
93	t	Di-n-octylphthalate	1.325	1.226	7.5	93	-0.02	15.20
94	t	Benzo[b]fluoranthene	1.294	1.099	15.1	96	-0.02	15.61
95	t	Benzo[k]fluoranthene	1.329	1.117	16.0	95	-0.03	15.65
96	t	Benzo[a]pyrene	1.203	1.031	14.3	94	-0.02	16.05
97	t	Indeno[1,2,3-cd]pyrene	1.136	0.998	12.1	90	-0.03	17.60
99	t	Dibenz[a,h]anthracene	1.210	1.108	8.4	95	-0.03	17.65
101	t	Benzo[g,h,i]perylene	1.282	1.122	12.5	98	-0.04	18.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:33 2014 RPT1

8.7.42

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8291A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8291A.D Vial: 19
Acq On : 26 Jun 2014 11:15 pm Operator: samtap
Sample : icv358-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
106	Chrysene-d12a	1.000	1.000	0.0	113	0.00	14.02
107	Benzidine	0.615	0.689	-12.0	117	-0.01	11.99
108	Acenaphthene-d10a	1.000	1.000	0.0	127	0.00	7.65
109	1,2,4,5-Tetrachlorobenzen	0.574	0.456	20.6	106	0.00	6.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:35 2014 RPT1

8.7.43

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8292B.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8292B.D Vial: 20
Acq On : 26 Jun 2014 11:44 pm Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
47 I	Acenaphthene-d10	1.000	1.000	0.0	102	-0.01	7.65
60 t	2,4-Dinitrophenol	0.172	0.136	20.9	84	-0.02	7.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 14:47:49 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8292A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8292a.D Vial: 20
Acq On : 26 Jun 2014 11:44 pm Operator: samtap
Sample : icv358-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	126	0.00	4.53
103	Benzaldehyde	1.283	1.378	-7.4	143	0.00	4.19
104	Phenanthrene-d10a	1.000	1.000	0.0	124	0.00	9.82
105	Atrazine	0.118	0.134	-13.6	140	0.02	9.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:39 2014 RPT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8293.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8293.D Vial: 21
Acq On : 27 Jun 2014 12:12 am Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00	4.53
5	S	2-Fluorophenol	1.535	1.314	14.4	91	0.00	3.53
8	S	Phenol-d5	1.920	1.616	15.8	89	-0.01	4.26
24	I	Naphthalene-d8	1.000	1.000	0.0	92	-0.01	5.60
25	S	Nitrobenzene-d5	0.448	0.371	17.2	87	-0.01	4.96
47	I	Acenaphthene-d10	1.000	1.000	0.0	88	-0.01	7.65
51	S	2-Fluorobiphenyl	1.319	1.088	17.5	87	-0.02	6.78
69	I	Phenanthrene-d10	1.000	1.000	0.0	89	-0.02	9.82
73	S	2,4,6-Tribromophenol	0.106	0.088	17.0	82	-0.01	8.78
83	I	Chrysene-d12	1.000	1.000	0.0	90	-0.02	14.01
86	S	Terphenyl-d14	0.895	0.755	15.6	89	-0.01	12.39
92	I	Perylene-d12	1.000	1.000	0.0	78	-0.02	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:41 2014 RPT1

8.7.46

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8294.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8294.D Vial: 22
Acq On : 27 Jun 2014 12:40 am Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	87	-0.02	14.01
89 t	3,3'-Dichlorobenzidine	0.437	0.381	12.8	89	-0.02	14.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:43 2014 RPT1

8.7.47

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8294A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8294a.D Vial: 22
Acq On : 27 Jun 2014 12:40 am Operator: samtap
Sample : icv358-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
106	Chrysene-d12a	1.000	1.000	0.0	108	0.00	14.01
107	Benzidine	0.615	0.714	-16.1	116	-0.01	11.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:45 2014 RPT1

8.7.48

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8295.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8295.D Vial: 23
Acq On : 27 Jun 2014 1:08 am Operator: samtap
Sample : icv358-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	120	0.00	5.60
113	Hydroquinone	0.334	0.425	-27.2	159	0.00	6.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:47 2014 RPT1

8.7.49

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** E6P358-ICV357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8296.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p357\6p8296.D Vial: 24
Acq On : 27 Jun 2014 1:36 am Operator: samtap
Sample : icv357-50 Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 11:37:14 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	4.54
3	t	Pyridine	1.691	1.839	-8.8	117	0.10	2.43
10	t	Aniline	2.575	2.581	-0.2	110	0.00	4.29
16	t	Benzyl alcohol	1.088	0.948	12.9	100	0.00	4.64
24	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00	5.61
39	t	4-Chloroaniline	0.465	0.434	6.7	92	-0.01	5.68
44	t	2-Methylnaphthalene	0.644	0.626	2.8	100	0.00	6.35
47	I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.01	7.65
54	t	2-Nitroaniline	0.421	0.386	8.3	99	-0.02	7.06
58	t	3-Nitroaniline	0.342	0.320	6.4	96	-0.02	7.61
62	t	Dibenzofuran	1.702	1.628	4.3	113	-0.02	7.93
68	t	4-Nitroaniline	0.347	0.285	17.9	84	-0.03	8.47
69	I	Phenanthrene-d10	1.000	1.000	0.0	91	-0.02	9.82
79	t	Carbazole	1.199	1.080	9.9	98	-0.02	10.21
83	I	Chrysene-d12	1.000	1.000	0.0	89	-0.02	14.01
92	I	Perylene-d12	1.000	1.000	0.0	73	-0.01	16.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8286.D M6P357.M Wed Jul 02 13:54:49 2014 RPT1

8.7.50

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E6P362-CC357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8381.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p362\6p8381.D Vial: 2
Acq On : 1 Jul 2014 9:53 am Operator: saraw
Sample : cc357-25 Inst : MS6P
Misc : op75816,e6p362 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Tue Jul 01 15:56:51 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00	4.54
2		1,4-Dioxane	0.645	0.574	11.0	109	0.00	2.00
3	t	Pyridine	1.691	1.635	3.3	126	0.02	2.35
4	t	N-Nitrosodimethylamine	1.066	1.005	5.7	124	0.02	2.31
5	S	2-Fluorophenol	1.535	1.401	8.7	120	0.02	3.55
6	t	Indene	2.693	2.530	6.1	126	0.00	4.73
7	t	Cumene	3.937	3.671	6.8	124	0.00	3.93
8	S	Phenol-d5	1.920	1.815	5.5	124	0.01	4.28
9	t	Phenol	2.300	2.212	3.8	126	0.01	4.30
10	t	Aniline	2.575	2.331	9.5	114	0.00	4.28
11	t	bis(2-Chloroethyl)ether	1.643	1.489	9.4	121	0.00	4.33
12	t	2-Chlorophenol	1.548	1.421	8.2	122	0.00	4.39
13	t	Decane	1.747	1.739	0.5	130	0.00	4.42
14	t	1,3-Dichlorobenzene	1.705	1.583	7.2	125	0.00	4.49
15	t	1,4-Dichlorobenzene	1.717	1.582	7.9	124	0.00	4.55
16	t	Benzyl alcohol	1.088	1.057	2.8	124	0.00	4.65
17	t	1,2-Dichlorobenzene	1.626	1.477	9.2	123	0.00	4.66
18	t	Acetophenone	2.307	2.210	4.2	128	0.00	4.85
19	t	2-Methylphenol	1.396	1.389	0.5	125	0.01	4.75
20	t	2,2'-oxybis(1-Chloropropa	0.543	0.500	7.9	126	0.00	4.74
21	t	3&4-Methylphenol	1.476	1.567	-6.2	131	0.00	4.87
22	t	n-Nitroso-di-n-propylamin	1.202	1.169	2.7	129	0.00	4.85
23	t	Hexachloroethane	0.592	0.583	1.5	130	0.00	4.93
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.62
25	S	Nitrobenzene-d5	0.448	0.441	1.6	132	0.00	4.97
26	t	Nitrobenzene	0.493	0.489	0.8	133	0.00	4.99
27	t	Quinoline	0.771	0.707	8.3	124	0.00	5.97
28	t	Isophorone	0.836	0.803	3.9	129	0.00	5.19
29	t	2-Nitrophenol	0.205	0.197	3.9	127	0.00	5.26
30	t	2,4-Dimethylphenol	0.347	0.352	-1.4	120	0.00	5.31
31		Benzoic Acid	0.282	0.166	41.1#	82	0.00	5.45
32	t	bis(2-Chloroethoxy)methan	0.473	0.444	6.1	123	0.00	5.38
33	t	2,4-Dichlorophenol	0.308	0.304	1.3	131	0.02	5.50
34		2,6-Dichlorophenol	0.304	0.296	2.6	128	0.00	5.70
35	t	1,3,5-Trichlorobenzene	0.365	0.343	6.0	124	0.00	5.28
36	t	1,2,4-Trichlorobenzene	0.347	0.325	6.3	128	0.00	5.56
37	t	1,2,3-Trichlorobenzene	0.346	0.328	5.2	129	0.00	5.78
38	t	Naphthalene	1.127	1.031	8.5	121	0.00	5.64
39	t	4-Chloroaniline	0.465	0.436	6.2	119	0.00	5.69
40	t	2,3-Dichloroaniline	0.402	0.385	4.2	128	0.01	6.70
41	t	Caprolactam	0.193	0.194	-0.5	135	-0.02	6.06

8.7.51
8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E6P362-CC357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8381.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.185	0.189	-2.2	135	0.00	5.76
43	t	4-Chloro-3-methylphenol	0.361	0.347	3.9	132	0.02	6.23
44	t	2-Methylnaphthalene	0.644	0.595	7.6	124	0.01	6.37
45	t	1-Methylnaphthalene	0.657	0.603	8.2	124	0.01	6.48
46	t	Dimethylnaphthalene	0.698	0.650	6.9	125	0.01	7.12
47	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.02	7.68
48	t	Hexachlorocyclopentadiene	0.292	0.295	-1.0	131	0.00	6.55
49	t	2,4,6-Trichlorophenol	0.380	0.371	2.4	132	0.02	6.71
50	t	2,4,5-Trichlorophenol	0.411	0.397	3.4	130	0.02	6.77
51	S	2-Fluorobiphenyl	1.319	1.205	8.6	124	0.00	6.80
52	t	2-Chloronaphthalene	1.235	1.130	8.5	126	0.01	6.95
53	t	Biphenyl	1.520	1.370	9.9	124	0.01	6.93
54	t	2-Nitroaniline	0.421	0.424	-0.7	138	0.00	7.08
55	t	Dimethylphthalate	1.332	1.246	6.5	129	0.00	7.33
56	t	Acenaphthylene	1.868	1.733	7.2	126	0.01	7.48
57	t	2,6-Dinitrotoluene	0.304	0.295	3.0	129	0.01	7.41
58	t	3-Nitroaniline	0.342	0.328	4.1	127	0.01	7.63
59	t	Acenaphthene	1.165	1.064	8.7	128	0.01	7.72
60	t	2,4-Dinitrophenol	0.172	0.153	11.0	138	0.03	7.80
61	t	4-Nitrophenol	0.171	0.188	-9.9	151	0.05	7.95
62	t	Dibenzofuran	1.702	1.535	9.8	125	0.01	7.96
63	t	2,4-Dinitrotoluene	0.404	0.409	-1.2	133	0.02	7.98
64		2,3,4,6-Tetrachlorophenol	0.322	0.296	8.1	124	0.03	8.16
65	t	Diethylphthalate	1.314	1.217	7.4	130	0.00	8.33
66	t	Fluorene	1.398	1.277	8.7	124	0.02	8.45
67	t	4-Chlorophenyl-phenylethe	0.659	0.616	6.5	126	0.01	8.47
68	t	4-Nitroaniline	0.347	0.324	6.6	123	0.00	8.50
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.03	9.86
70	t	4,6-Dinitro-2-methylpheno	0.155	0.144	7.1	137	0.04	8.57
71	t	n-Nitrosodiphenylamine	0.575	0.543	5.6	128	0.01	8.65
72	t	1,2-Diphenylhydrazine	1.010	0.961	4.9	129	0.02	8.70
73	S	2,4,6-Tribromophenol	0.106	0.106	0.0	132	0.03	8.82
74	t	4-Bromophenyl-phenylether	0.221	0.213	3.6	134	0.02	9.19
75	t	Hexachlorobenzene	0.262	0.238	9.2	126	0.03	9.29
76	t	Pentachlorophenol	0.150	0.134	10.7	118	0.04	9.61
77	t	Phenanthrene	1.228	1.106	9.9	126	0.03	9.90
78	t	Anthracene	1.227	1.151	6.2	126	0.02	9.97
79	t	Carbazole	1.199	1.084	9.6	123	0.03	10.25
80	t	Di-n-butylphthalate	1.310	1.279	2.4	129	0.01	10.88
81	t	Fluoranthene	1.355	1.256	7.3	127	0.03	11.77
82	t	Octadecane	0.593	0.593	0.0	135	0.01	9.82
83	I	Chrysene-d12	1.000	1.000	0.0	116	0.05	14.08
84	t	Pyrene	1.384	1.298	6.2	123	0.04	12.12
85		Butyl stearate	0.436	0.592	-35.8#	134	0.02	13.45
86	S	Terphenyl-d14	0.895	0.866	3.2	126	0.03	12.43
87	t	Butylbenzylphthalate	0.569	0.582	-2.3	132	0.02	13.27
88	t	Benzo[a]anthracene	1.213	1.136	6.3	125	0.05	14.06
89	t	3,3'-Dichlorobenzidine	0.437	0.420	3.9	122	0.03	14.06
90	t	Chrysene	1.211	1.094	9.7	121	0.04	14.12
91	t	bis(2-Ethylhexyl)phthalat	0.771	0.814	-5.6	132	0.02	14.24
92	I	Perylene-d12	1.000	1.000	0.0	110	0.06	16.21
93	t	Di-n-octylphthalate	1.325	1.473	-11.2	134	0.02	15.24
94	t	Benzo[b]fluoranthene	1.294	1.212	6.3	117	0.05	15.68
95	t	Benzo[k]fluoranthene	1.329	1.208	9.1	117	0.04	15.72
96	t	Benzo[a]pyrene	1.203	1.118	7.1	120	0.05	16.13
97	t	Indeno[1,2,3-cd]pyrene	1.136	1.162	-2.3	125	0.08	17.71

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E6P362-CC357
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8381.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	1.065	1.018	4.4	119	0.07	17.37
99	t	Dibenz[a,h]anthracene	1.210	1.148	5.1	115	0.06	17.74
100	t	7,12-Dimethylbenz(a)anthr	0.469	0.565	-20.5	114	0.04	15.68
101	t	Benzo[g,h,i]perylene	1.282	1.115	13.0	115	0.08	18.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8289.D M6P357.M Tue Jul 01 20:24:52 2014 RPT1

8.7.51

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** E6P362-CC358
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P8382.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p362\6p8382.D Vial: 3
Acq On : 1 Jul 2014 10:30 am Operator: saraw
Sample : cc358-25 Inst : MS6P
Misc : op75816,e6p362 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P357.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed Jul 02 08:45:28 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	86	0.00	4.53
103		Benzaldehyde	1.283	1.247	2.8	85	0.00	4.20
104		Phenanthrene-d10a	1.000	1.000	0.0	91	0.03	9.85
105		Atrazine	0.118	0.127	-7.6	93	0.05	9.51
106		Chrysene-d12a	1.000	1.000	0.0	88	0.05	14.07
107		Benzidine	0.615	0.505	17.9	60	0.03	12.02
108		Acenaphthene-d10a	1.000	1.000	0.0	92	0.02	7.68
109		1,2,4,5-Tetrachlorobenzen	0.574	0.552	3.8	93	0.01	6.56
110	I	Naphthalene-d8a	1.000	1.000	0.0	88	0.00	5.61
111		Hydroquinone	0.334	0.430	-28.7	123	0.03	6.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p8289.D M6P357.M Wed Jul 02 10:02:45 2014 RPT1

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5692-ICC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35906.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration

Calibration Files
2 =F35912.D 5 =F35911.D 25 =F35907.D 80 =F35909.D
100 =F35908.D 50 =F35906.D 10 =F35910.D 1 =F35913.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.650	0.635	0.731	0.646	0.630	0.682	0.730	1.010	0.714	17.65
3) Pyridine	1.660	1.731	1.679	1.643	1.590	1.709	1.720	1.747	1.685	3.11
4) N-Nitrosodim	0.951	0.753	0.729	0.676	0.625	0.683	0.708	0.634	0.720	14.31
5) 2-Fluorophen	1.389	1.500	1.481	1.431	1.359	1.463	1.500	1.424	1.443	3.59
6) Indene	2.738	2.948	2.654	2.322	2.187	2.483	2.740	2.791	2.608	9.83
7) Cumene	3.825	3.981	3.648	3.222	3.048	3.465	3.754	3.805	3.594	8.98
8) Phenol-d5	1.740	1.927	1.886	1.783	1.692	1.847	1.877	1.707	1.807	4.93
9) Phenol	1.980	2.126	1.992	1.994	1.867	1.918	1.984	2.004	1.983	3.76
10) Aniline	2.463	2.664	2.491	2.276	2.158	2.389	2.519	2.471	2.429	6.38
11) bis(2-Chloro	1.492	1.535	1.405	1.311	1.249	1.345	1.413	1.513	1.408	7.24
12) 2-Chlorophen	1.582	1.688	1.595	1.474	1.414	1.563	1.655	1.581	1.569	5.67
13) Decane	1.736	1.852	1.634	1.385	1.271	1.478	1.690	1.881	1.616	13.59
14) 1,3-Dichloro	1.822	1.895	1.744	1.579	1.522	1.688	1.804	1.781	1.729	7.32
15) 1,4-Dichloro	1.703	1.859	1.715	1.552	1.502	1.667	1.789	1.947	1.717	8.65
16) Benzyl alcoh	1.005	1.076	1.087	1.039	0.990	1.068	1.101	0.993	1.045	4.26
17) 1,2-Dichloro	1.684	1.796	1.626	1.441	1.376	1.539	1.702	1.765	1.616	9.38
18) Acetophenone	2.277	2.283	2.062	1.820	1.693	1.941	2.175	2.164	2.052	10.52
19) 2-Methylphen	1.432	1.505	1.449	1.355	1.288	1.416	1.449	1.464	1.420	4.82
20) 2,2'-oxybis(	0.497	0.526	0.485	0.445	0.421	0.463	0.490	0.487	0.477	6.90
21) 3&4-Methylph	1.454	1.619	1.521	1.374	1.298	1.454	1.520	1.428	1.459	6.74
22) n-Nitroso-di	1.047	1.123	1.021	0.879	0.821	0.955	1.073	1.024	0.993	10.21
23) Hexachloroet	0.517	0.572	0.552	0.509	0.499	0.552	0.561	0.567	0.541	5.26
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.405	0.481	0.414	0.391	0.370	0.403	0.453	0.458	0.422	9.03
26) Nitrobenzene	0.436	0.465	0.443	0.411	0.384	0.423	0.441	0.434	0.430	5.61
27) Quinoline	0.841	0.916	0.853	0.792	0.766	0.831	0.876	0.890	0.846	5.90
28) Isophorone	0.734	0.809	0.781	0.716	0.668	0.738	0.767	0.755	0.746	5.74
29) 2-Nitropheno	0.174	0.208	0.225	0.220	0.206	0.224	0.221	0.168	0.206	10.90
30) 2,4-Dimethyl	0.392	0.422	0.396	0.371	0.351	0.383	0.412	0.396	0.390	5.78
31) Benzoic acid		0.112	0.206	0.272	0.288	0.267	0.166		0.218	31.87
----- Quadratic regression -----									Coefficient =	0.9989
Response Ratio = -0.02220 + 0.25072 *A + 0.01811 *A^2										
32) bis(2-Chloro	0.442	0.484	0.445	0.413	0.390	0.426	0.458	0.454	0.439	6.56
33) 2,4-Dichloro	0.293	0.330	0.338	0.317	0.301	0.329	0.342	0.290	0.317	6.52
34) 2,6-Dichloro	0.313	0.345	0.325	0.299	0.287	0.319	0.341	0.161	0.299	19.79
35) 1,3,5-Trichl	0.405	0.412	0.380	0.338	0.322	0.364	0.403	0.415	0.380	9.31
36) 1,2,4-Trichl	0.373	0.394	0.363	0.328	0.316	0.348	0.374	0.413	0.364	8.92
37) 1,2,3-Trichl	0.377	0.385	0.353	0.321	0.305	0.341	0.369	0.379	0.354	8.27
38) Naphthalene	1.271	1.324	1.209	1.055	0.991	1.127	1.259	1.323	1.195	10.44
39) 4-Chloroanil	0.483	0.551	0.534	0.479	0.462	0.513	0.554	0.535	0.514	6.83
40) 2,3-Dichloro	0.410	0.449	0.413	0.365	0.348	0.393	0.440	0.438	0.407	8.93
41) Caprolactam	0.181	0.198	0.197	0.186	0.189	0.198	0.190	0.168	0.188	5.39
42) Hexachlorobu	0.189	0.198	0.185	0.169	0.164	0.183	0.189	0.199	0.185	6.82

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5692-ICC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35906.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

43)	4-Chloro-3-m	0.318	0.343	0.350	0.330	0.316	0.338	0.342	0.314	0.331	4.22
44)	2-Methylnaph	0.741	0.769	0.705	0.627	0.590	0.661	0.722	0.752	0.696	9.17
45)	1-Methylnaph	0.845	0.866	0.805	0.724	0.686	0.769	0.825	0.900	0.803	9.02
46)	Dimethylnaph	0.743	0.781	0.725	0.649	0.621	0.693	0.750	0.753	0.714	7.78
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.229	0.282	0.321	0.327	0.313	0.337	0.317	0.221	0.294	15.37
49)	2,4,6-Trichl	0.349	0.395	0.386	0.368	0.349	0.389	0.412	0.351	0.375	6.42
50)	2,4,5-Trichl	0.365	0.388	0.401	0.378	0.381	0.417	0.429	0.337	0.387	7.50
51)	2-Fluorobiph	1.452	1.514	1.378	1.277	1.209	1.358	1.453	1.506	1.393	7.83
52)	2-Chloronaph	1.339	1.394	1.243	1.152	1.098	1.223	1.347	1.393	1.273	8.78
53)	Biphenyl	1.819	1.846	1.693	1.544	1.464	1.646	1.790	1.861	1.708	8.62
54)	2-Nitroanili	0.292	0.361	0.374	0.384	0.368	0.384	0.362	0.291	0.352	10.89
55)	Dimethylphth	1.323	1.415	1.311	1.237	1.185	1.303	1.375	1.365	1.314	5.72
56)	Acenaphthyle	2.080	2.232	2.047	1.881	1.798	2.008	2.128	2.085	2.032	6.77
57)	2,6-Dinitrot	0.249	0.298	0.312	0.312	0.308	0.325	0.316	0.220	0.293	12.75
58)	3-Nitroanili	0.306	0.370	0.382	0.384	0.372	0.400	0.384	0.253	0.356	14.15
59)	Acenaphthene	1.352	1.421	1.271	1.169	1.126	1.235	1.340	1.376	1.286	8.08
60)	2,4-Dinitrop		0.065	0.138	0.170	0.177	0.171	0.109		0.138	32.11
	----- Linear regression ----- Coefficient = 0.9988										
	Response Ratio = -0.03884 + 0.18295 *A										
61)	4-Nitropheno	0.107	0.154	0.167	0.183	0.183	0.188	0.178		0.166	17.25
62)	Dibenzofuran	1.870	1.945	1.757	1.595	1.529	1.715	1.872	1.954	1.780	8.92
63)	2,4-Dinitrot	0.310	0.406	0.420	0.417	0.410	0.437	0.425	0.273	0.387	15.65
64)	2,3,4,6-Tetr	0.238	0.299	0.319	0.313	0.310	0.343	0.330	0.230	0.298	13.92
65)	Diethylphtha	1.289	1.400	1.306	1.231	1.194	1.311	1.366	1.338	1.304	5.17
66)	Fluorene	1.469	1.545	1.397	1.300	1.246	1.367	1.482	1.516	1.415	7.50
67)	4-Chlorophen	0.643	0.676	0.623	0.582	0.565	0.624	0.666	0.651	0.629	6.23
68)	4-Nitroanili	0.311	0.370	0.374	0.376	0.382	0.391	0.407	0.262	0.359	13.42
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.078	0.129	0.145	0.151	0.153	0.117		0.129	22.00
	----- Linear regression ----- Coefficient = 0.9986										
	Response Ratio = -0.01003 + 0.15382 *A										
71)	n-Nitrosodip	0.555	0.612	0.583	0.555	0.534	0.581	0.607	0.578	0.576	4.62
72)	1,2-Diphenyl	0.895	0.967	0.912	0.862	0.810	0.885	0.916	0.894	0.893	5.05
73)	2,4,6-Tribro	0.073	0.088	0.097	0.095	0.093	0.104	0.101	0.066	0.090	15.14
74)	4-Bromopheny	0.209	0.233	0.217	0.206	0.202	0.222	0.222	0.216	0.216	4.63
75)	Hexachlorobe	0.247	0.258	0.233	0.218	0.212	0.237	0.252	0.259	0.239	7.40
76)	Pentachlorop	0.081	0.116	0.135	0.138	0.141	0.152	0.142		0.129	18.42
77)	Phenanthrene	1.286	1.337	1.222	1.123	1.091	1.193	1.279	1.377	1.238	8.09
78)	Anthracene	1.224	1.318	1.255	1.152	1.102	1.233	1.285	1.258	1.228	5.74
79)	Carbazole	1.177	1.259	1.169	1.101	1.102	1.193	1.283	1.129	1.177	5.74
80)	Di-n-butylph	1.108	1.304	1.351	1.293	1.267	1.363	1.360	1.051	1.262	9.41
81)	Fluoranthene	1.233	1.307	1.264	1.182	1.199	1.305	1.368	1.192	1.256	5.29
82)	Octadecane	0.515	0.609	0.615	0.584	0.551	0.599	0.598	0.485	0.569	8.39
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.370	1.524	1.488	1.471	1.324	1.435	1.474	1.348	1.429	5.11
85)	Terphenyl-d1	0.851	0.949	0.940	0.937	0.855	0.933	0.936	0.873	0.909	4.58
86)	Butylbenzylp	0.462	0.575	0.619	0.658	0.620	0.642	0.595	0.432	0.575	14.52
87)	Butyl steara	0.250	0.355	0.441	0.488	0.429	0.450	0.388		0.400	19.74
88)	Benzo[a]anth	1.324	1.325	1.215	1.205	1.145	1.226	1.278	1.441	1.270	7.30
89)	3,3'-Dichlor	0.339	0.412	0.431	0.434	0.424	0.458	0.442	0.312	0.407	12.83
90)	Chrysene	1.295	1.300	1.154	1.089	1.048	1.144	1.225	1.503	1.220	11.95
91)	bis(2-Ethylh	0.586	0.754	0.841	0.898	0.837	0.879	0.802	0.501	0.762	18.85
92)	I Perylene-d12	ISTD									

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5692-ICC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35906.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

93)	Di-n-octylph	0.987	1.387	1.736	1.799	1.666	1.757	1.556		1.555	18.49
94)	Benzo[b]fluo	1.543	1.638	1.551	1.581	1.405	1.541	1.586	1.631	1.560	4.66
95)	Benzo[k]fluo	1.633	1.691	1.469	1.305	1.323	1.447	1.606	1.803	1.535	11.56
96)	Benzo[a]pyre	1.250	1.392	1.317	1.324	1.257	1.356	1.360	1.285	1.318	3.88
97)	Indeno[1,2,3	0.968	1.143	1.189	1.296	1.221	1.279	1.199	1.059	1.169	9.44
98)	Dibenz(a,h)a	0.888	1.039	1.104	1.165	1.109	1.171	1.103	0.841	1.053	11.76
99)	Dibenz[a,h]a	1.026	1.190	1.235	1.300	1.221	1.274	1.228	1.158	1.204	7.02
100)	7,12-Dimethy	0.650	0.727	0.734	0.713	0.676	0.733	0.753	0.677	0.708	5.08
101)	Benzo[g,h,i]	1.155	1.249	1.254	1.288	1.216	1.285	1.260	1.251	1.245	3.44

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

MF5692.M Thu Jun 12 08:52:55 2014 RT1

8.7.53

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5693-ICC5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35915.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MF5693.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration

Calibration Files
2 =F35921.D 5 =F35920.D 25 =F35916.D 80 =F35918.D
100 =F35917.D 50 =F35915.D 10 =F35919.D 1 =F35922.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
159) I 1,4-Dichlorobenzene-d	ISTD									
160) Benzaldehyde	1.130	1.132	1.015	0.879	0.812	0.550	1.198	1.146	0.983	22.62
161) I Naphthalene-d8b	ISTD									
162) Hydroquinone	0.252	0.341	0.404	0.382	0.340	0.355			0.346	15.09
163) Acenaphthene-d10b	ISTD									
164) 1,2,4,5-Tetr	0.582	0.585	0.599	0.550	0.554	0.492	0.599	0.552	0.564	6.30
165) Phenanthrene-d10b	ISTD									
166) Atrazine	0.182	0.192	0.214	0.212	0.209	0.178	0.222	0.153	0.195	11.86
167) Chrysene-d12b	ISTD									
168) Benzidine	0.403	0.612	0.571	0.349	0.343	0.319	0.772	0.348	0.465	35.86

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

MF5692.M Thu Jun 12 15:58:09 2014 RT1

8.7.54

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35924.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	133	0.00	4.93
3	t	Pyridine	1.685	1.464	13.1	114	0.00	2.85
4	t	N-Nitrosodimethylamine	0.720	0.567	21.3	111	0.00	2.82
11	t	bis(2-Chloroethyl)ether	1.408	1.236	12.2	122	0.00	4.73
14	t	1,3-Dichlorobenzene	1.729	1.428	17.4	113	0.00	4.89
15	t	1,4-Dichlorobenzene	1.717	1.395	18.8	111	0.00	4.94
16	t	Benzyl alcohol	1.045	0.883	15.5	110	0.00	5.03
17	t	1,2-Dichlorobenzene	1.616	1.348	16.6	117	0.00	5.06
20	t	2,2'-oxybis(1-Chloropropa	0.477	0.432	9.4	124	0.00	5.12
22		n-Nitroso-di-n-propylamin	0.993	0.882	11.2	123	0.00	5.21
23	t	Hexachloroethane	0.541	0.473	12.6	114	0.00	5.31
24	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00	5.86
26	t	Nitrobenzene	0.430	0.362	15.8	109	0.00	5.34
28	t	Isophorone	0.746	0.608	18.5	105	0.00	5.51
32	t	bis(2-Chloroethoxy)methan	0.439	0.399	9.1	119	0.00	5.66
36	t	1,2,4-Trichlorobenzene	0.364	0.310	14.8	113	0.00	5.81
38	t	Naphthalene	1.195	0.981	17.9	111	0.00	5.87
42	t	Hexachlorobutadiene	0.185	0.162	12.4	113	0.00	5.96
44	t	2-Methylnaphthalene	0.696	0.560	19.5	108	0.00	6.39
47	I	Acenaphthene-d10	1.000	1.000	0.0	128	0.00	7.35
48	t	Hexachlorocyclopentadiene	0.294	0.248	15.6	94	0.00	6.52
52	t	2-Chloronaphthalene	1.273	1.047	17.8	109	0.00	6.80
54	t	2-Nitroaniline	0.352	0.303	13.9	101	0.00	6.89
55	t	Dimethylphthalate	1.314	1.114	15.2	109	0.00	7.05
56	t	Acenaphthylene	2.032	1.477	27.3	94	0.00	7.20
57	t	2,6-Dinitrotoluene	0.293	0.253	13.7	99	0.00	7.11
58	t	3-Nitroaniline	0.356	0.285	19.9	91	0.00	7.28
59	t	Acenaphthene	1.286	1.099	14.5	114	0.00	7.38
62	t	Dibenzofuran	1.780	1.475	17.1	110	0.00	7.57
63	t	2,4-Dinitrotoluene	0.387	0.324	16.3	95	0.00	7.53
65	t	Diethylphthalate	1.304	1.097	15.9	107	0.00	7.82
66	t	Fluorene	1.415	1.166	17.6	109	0.00	7.97
67	t	4-Chlorophenyl-phenylethe	0.629	0.544	13.5	111	0.00	7.97
68	t	4-Nitroaniline	0.359	0.298	17.0	97	0.00	7.99
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00	9.32
71	t	n-Nitrosodiphenylamine	0.576	0.526	8.7	111	0.00	8.12
72	t	1,2-Diphenylhydrazine	0.893	0.765	14.3	105	0.00	8.17
74	t	4-Bromophenyl-phenylether	0.216	0.199	7.9	109	0.00	8.63

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35924.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

75	t	Hexachlorobenzene	0.239	0.198	17.2	102	0.00	8.74
77	t	Phenanthrene	1.238	1.027	17.0	105	0.00	9.36
78	t	Anthracene	1.228	1.058	13.8	105	0.00	9.44
79	t	Carbazole	1.177	0.997	15.3	102	0.00	9.72
80	t	Di-n-butylphthalate	1.262	1.164	7.8	104	0.00	10.42
81	t	Fluoranthene	1.256	1.086	13.5	102	0.00	11.56
83	I	Chrysene-d12	1.000	1.000	0.0	119	0.00	14.68
84	t	Pyrene	1.429	1.213	15.1	101	0.00	12.02
86	t	Butylbenzylphthalate	0.575	0.537	6.6	100	0.00	13.60
88	t	Benzo[a]anthracene	1.270	1.035	18.5	101	0.00	14.66
90	t	Chrysene	1.220	1.030	15.6	108	0.00	14.74
91	t	bis(2-Ethylhexyl)phthalat	0.762	0.732	3.9	99	0.00	15.00
92	I	Perylene-d12	1.000	1.000	0.0	138	0.00	17.74
93	t	Di-n-octylphthalate	1.555	1.341	13.8	105	0.00	16.44
94	t	Benzo[b]fluoranthene	1.560	1.152	26.2	103	0.00	16.98
95	t	Benzo[k]fluoranthene	1.535	1.181	23.1	113	0.00	17.04
96	t	Benzo[a]pyrene	1.318	1.068	19.0	109	0.00	17.62
97	t	Indeno[1,2,3-cd]pyrene	1.169	0.988	15.5	107	0.00	19.69
99	t	Dibenz[a,h]anthracene	1.204	1.019	15.4	110	0.00	19.74
101	t	Benzo[g,h,i]perylene	1.245	1.059	14.9	114	0.00	20.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:39 2014 RT1

8.7.55

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35924A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924A.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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.
163	Acenaphthene-d10b	1.000	1.000	0.0	78	0.00	7.35
164	1,2,4,5-Tetrachlorobenzen	0.564	0.560	0.7	89	0.00	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:40 2014 RT1

8.7.56

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35925.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	119	0.00	4.93	
2	t	1,4-Dioxane	0.714	0.580	18.8	102	0.00	2.54	
6	t	Indene	2.608	2.322	11.0	112	0.00	5.12	
7	t	Cumene	3.594	2.993	16.7	103	0.00	4.35	-
13	t	Decane	1.616	1.212	25.0	98	0.00	4.81	
18	t	Acetophenone	2.052	1.748	14.8	107	0.00	5.21	
24	I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	5.85	
27	t	Quinoline	0.846	0.637	24.7	100	0.00	6.11	
40	t	2,3-Dichloroaniline	0.407	0.285	30.0	95	0.00	6.62	
41	t	Caprolactam	0.188	0.134	28.7	88	-0.03	6.14	
45	t	1-Methylnaphthalene	0.803	0.602	25.0	102	0.00	6.47	
46	t	Dimethylnaphthalene	0.714	0.545	23.7	103	0.00	6.92	
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	7.34	
53	t	Biphenyl	1.708	1.406	17.7	102	0.00	6.77	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:41 2014 RT1

8.7.57

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35925A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925A.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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.
159	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	71	0.00	4.93
160	t	Benzaldehyde	0.983	1.102	-12.1	143	0.00	4.61
165		Phenanthrene-d10b	1.000	1.000	0.0	66	0.00	9.32
166		Atrazine	0.195	0.204	-4.6	76	0.00	8.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:42 2014 RT1

8.7.58

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35926.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35926.D Vial: 13
Acq On : 12 Jun 2014 2:20 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,surr Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	146	0.00	4.93
5	S	2-Fluorophenol	1.443	1.151	20.2	115	0.00	3.95
8	S	Phenol-d5	1.807	1.390	23.1	110	0.00	4.65
24	I	Naphthalene-d8	1.000	1.000	0.0	138	0.00	5.85
25	S	Nitrobenzene-d5	0.422	0.339	19.7	116	0.00	5.33
47	I	Acenaphthene-d10	1.000	1.000	0.0	139	0.00	7.34
51	S	2-Fluorobiphenyl	1.393	1.162	16.6	119	0.00	6.68
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	0.00	9.32
73	S	2,4,6-Tribromophenol	0.090	0.080	11.1	99	0.00	8.28
83	I	Chrysene-d12	1.000	1.000	0.0	125	0.00	14.68
85	S	Terphenyl-d14	0.909	0.793	12.8	106	0.00	12.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:43 2014 RT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35927.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35927.D Vial: 14
Acq On : 12 Jun 2014 2:49 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,aniline Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	180	0.00	4.93
10	t	Aniline	2.429	2.198	9.5	165	0.00	4.69
24	I	Naphthalene-d8	1.000	1.000	0.0	176	0.00	5.86
39	t	4-Chloroaniline	0.514	0.482	6.2	165	0.00	5.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:44 2014 RT1

8.7.60

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35928.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	187	0.00	14.68
89 t	3,3'-Dichlorobenzidine	0.407	0.364	10.6	149	0.00	14.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:45 2014 RT1

8.7.61

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5693-ICV5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35928A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928A.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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.
167	Chrysene-d12b	1.000	1.000	0.0	116	0.00	14.68
168	Benzidine	0.465	0.734	-57.8#	268#	0.00	11.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Thu Jun 12 16:03:46 2014 RT1

8.7.62

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5695-ICV5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35957.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5695\F35957.D Vial: 2
Acq On : 13 Jun 2014 8:24 am Operator: kristis
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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	103	0.00	4.93
9 t	Phenol	1.983	1.825	8.0	98	-0.01	4.65
12 t	2-Chlorophenol	1.569	1.504	4.1	99	-0.01	4.77
19 t	2-Methylphenol	1.420	1.358	4.4	99	-0.01	5.10
21 t	3&4-Methylphenol	1.459	1.406	3.6	100	-0.01	5.20
24 I	Naphthalene-d8	1.000	1.000	0.0	102	-0.01	5.85
29 t	2-Nitrophenol	0.206	0.218	-5.8	100	-0.01	5.57
30 t	2,4-Dimethylphenol	0.390	0.366	6.2	98	-0.01	5.59
	----------	True	Calc.	% Drift	----------		
31 t	Benzoic acid	50.000	52.411	-4.8	104	0.00	5.66
	----------	AvgRF	CCRF	% Dev	----------		
33 t	2,4-Dichlorophenol	0.317	0.321	-1.3	100	-0.01	5.74
34	2,6-Dichlorophenol	0.299	0.314	-5.0	101	0.00	5.90
43 t	4-Chloro-3-methylphenol	0.331	0.323	2.4	98	-0.02	6.24
47 I	Acenaphthene-d10	1.000	1.000	0.0	106	-0.01	7.34
49 t	2,4,6-Trichlorophenol	0.375	0.384	-2.4	104	-0.01	6.61
50 t	2,4,5-Trichlorophenol	0.387	0.392	-1.3	99	-0.01	6.64
	----------	True	Calc.	% Drift	----------		
60 t	2,4-Dinitrophenol	50.000	54.050	-8.1	10	0.00	7.38
	----------	AvgRF	CCRF	% Dev	----------		
61 t	4-Nitrophenol	0.166	0.176	-6.0	99	-0.01	7.44
64	2,3,4,6-Tetrachlorophenol	0.298	0.316	-6.0	97	-0.01	7.69
69 I	Phenanthrene-d10	1.000	1.000	0.0	104	-0.02	9.31
	----------	True	Calc.	% Drift	----------		
70 t	4,6-Dinitro-2-methylpheno	50.000	51.650	-3.3	103	-0.02	8.01
	----------	AvgRF	CCRF	% Dev	----------		
76 t	Pentachlorophenol	0.129	0.158	-22.5	108	0.00	9.01

8.7.63

8

Initial Calibration Verification

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EF5695-ICV5692
Lab FileID: F35957.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Fri Jun 13 13:30:55 2014 RT1

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5695-ICV5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F35958.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5695\F35958.D Vial: 3
Acq On : 13 Jun 2014 8:54 am Operator: kristis
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 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.
104 I	Naphthalene-d8b	1.000	1.000	0.0	80	-0.01	5.85
105 t	Hydroquinone	0.346	0.446	-28.9	105	0.00	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F35915.D MF5692.M Fri Jun 13 13:30:56 2014 RT1

8.7.64

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5702-ICC5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36120.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration

Calibration Files
2 =F36132.D 5 =F36131.D 25 =F36185.D 80 =F36127.D
100 =F36126.D 50 =F36134.D 10 =F36130.D 1 =F36133.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) 2-Picoline	1.763	1.545	1.497	1.476	1.459	1.412	1.690	1.764	1.576	9.01
104) Pentachloroe	0.621	0.553	0.547	0.535	0.527	0.531	0.610	0.651	0.572	8.36
105) Methyl metha	0.820	0.727	0.693	0.703	0.686	0.639	0.812	0.807	0.736	9.32
106) N-Nitrosodie	0.766	0.676	0.665	0.649	0.643	0.633	0.729	0.791	0.694	8.67
107) N-Nitrosomet	0.644	0.618	0.603	0.596	0.593	0.587	0.688	0.912	0.655	16.64
108) Ethyl methan	1.102	1.044	1.006	0.967	0.947	0.960	1.126	1.240	1.049	9.67
109) N-Nitrosopyr	0.588	0.520	0.470	0.523	0.495	0.451	0.592	0.581	0.527	10.36
110) N-Nitrosomor	0.891	0.833	0.722	0.660	0.632	0.662	0.855	0.922	0.772	15.00
111) o-Toluidine	2.454	2.177	2.025	1.749	1.696	1.673	2.313	2.379	2.058	15.53
112) I Naphthalene-d8A	ISTD									
113) O,O,O-Trieth	0.200	0.178	0.168	0.164	0.161	0.162	0.191	0.211	0.179	10.66
114) N-Nitrosopip	0.230	0.204	0.204	0.203	0.198	0.202	0.224	0.220	0.211	5.68
115) A,A-Dimethyl	0.794	0.767	0.668	0.888	0.851	0.777	0.891		0.805	9.83
116) Hexachloropr	0.251	0.225	0.217	0.220	0.211	0.220	0.237		0.226	6.17
117) p-Phenylened									0.000#	-1.00
118) N-Nitrosodi-	0.260	0.245	0.237	0.229	0.221	0.232	0.271		0.242	7.42
119) Safrole	0.293	0.269	0.264	0.258	0.251	0.256	0.296		0.270	6.70
120) Isosafrole	0.199	0.172	0.178	0.172	0.168	0.171	0.200		0.180	7.56
121) I Acenaphthene-d10A	ISTD									
122) Thionazin	0.177	0.158	0.157	0.156	0.148	0.156	0.184		0.162	7.88
123) Tetraethyl d	0.200	0.170	0.157	0.152	0.145	0.149	0.184		0.165	12.45
124) Phorate	0.825	0.767	0.720	0.702	0.660	0.686	0.854		0.745	9.78
125) Phenacetin		0.647	0.642	0.624	0.595	0.616	0.725		0.641	7.02
126) 1,4-Naphthoq		0.368	0.400	0.366	0.334	0.379	0.431		0.380	8.65
127) m-Dinitroben		0.172	0.187	0.189	0.186	0.183	0.196		0.185	4.29
128) Pentachlorob	0.524	0.468	0.434	0.422	0.408	0.417	0.489		0.452	9.54
129) 1-Naphthylam	1.043	0.938	0.744	0.833	0.805	0.731	1.015		0.873	14.53
130) 2-Naphthylam	1.217	1.103	1.079	1.013	0.962	0.858	1.274		1.072	13.42
131) 5-Nitro-o-to	0.365	0.374	0.377	0.354	0.347	0.346	0.413		0.368	6.31
132) I Phenanthrene-d10A	ISTD									
133) Disulfoton		0.449	0.326	0.361	0.347	0.329	0.459		0.379	15.87
134) Dinoseb		0.132	0.174	0.189	0.188	0.185	0.170		0.173	12.36
135) Dimethoate	0.344	0.323	0.311	0.284	0.270	0.284	0.346		0.309	9.86
136) 4-Aminobiphe	0.468	0.415	0.397	0.366	0.346	0.335	0.447		0.396	12.79
137) Methyl parat		0.221	0.227	0.207	0.196	0.208	0.245		0.217	8.00
138) Parathion		0.165	0.161	0.160	0.154	0.156	0.177		0.162	4.97
139) Diphenylamin	1.309	1.217	1.154	1.098	1.058	1.099	1.309		1.178	8.73
140) Isodrin	0.143	0.133	0.123	0.120	0.118	0.119	0.138		0.128	7.86
141) Diallate	0.336	0.330	0.303	0.301	0.293	0.299	0.334		0.314	5.97
142) Pentachloron	0.041	0.038	0.036	0.034	0.034	0.034	0.040		0.037#	8.27
143) Pronamide	0.365	0.351	0.353	0.343	0.333	0.340	0.388		0.353	5.25
144) 4-Nitroquino		0.060	0.097	0.099	0.091	0.098	0.089		0.089	16.54
145) Methapyrilin	0.500	0.485	0.336	0.317	0.286	0.319	0.522		0.395	25.85

8.7.65

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EF5702-ICC5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36120.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

146)	sym-Trinitro	0.044	0.067	0.074	0.072	0.072	0.065	0.066	16.76
147)	I Chrysene-d12A	----------	ISTD	----------					
148)	Aramite	0.032	0.033	0.034	0.033	0.034	0.035	0.034#	3.90
149)	p-(Dimethyla	0.341	0.376	0.379	0.367	0.378	0.398	0.373	4.99
150)	Kepone							0.000#	-1.00
151)	Famphur	0.465	0.355	0.230	0.192	0.265	0.488	0.333	37.30
152)	2-Acetylamin	0.470	0.503	0.525	0.515	0.522	0.550	0.514	5.17
153)	3,3'-Dimethy	0.729	0.677	0.335	0.125	0.075	0.106	0.594	0.377
154)	Chlorobenzil	0.356	0.334	0.334	0.337	0.323	0.337	0.368	0.341
155)	I Perylene-d12A	----------	ISTD	----------					
156)	4,4-Methylen	0.130	0.128	0.124	0.100	0.091	0.103	0.144	0.117
157)	3-Methylchol	0.607	0.566	0.577	0.560	0.560	0.662	0.589	6.80
169)	I 1,4-Dichlorobenzene-d	----------	ISTD	----------					
170)	m-Toluidine	2.296	2.044	1.932	1.908	1.890	2.330	2.067	9.61
171)	I Naphthalene-d8c	----------	ISTD	----------					
172)	2-chloroanil	0.658	0.524	0.495	0.454	0.449	0.481	0.532	0.513
173)	3-chloroanil	0.495	0.462	0.432	0.428	0.451	0.499	0.461	6.59
174)	Catechol	0.223	0.323	0.356	0.359	0.348	0.324	0.322	15.83
175)	1-chloro-2-n	0.232	0.186	0.186	0.178	0.176	0.183	0.196	0.191

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

MFAP5692.M Tue Jun 24 11:47:26 2014 RT1

8.7.65

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36134.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5702\F36134.D Vial: 18
Acq On : 19 Jun 2014 3:59 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	98	0.00	4.86
103	t	2-Picoline	1.576	1.490	5.5	103	0.00	3.41
104	t	Pentachloroethane	0.572	0.472	17.5	87	0.00	4.65
105	t	Methyl methanesulfonate	0.736	0.593	19.4	91	0.00	3.75
106	t	N-Nitrosodiethylamine	0.694	0.652	6.1	101	0.00	4.06
107	t	N-Nitrosomethylethylamine	0.655	0.569	13.1	95	0.00	3.50
108	t	Ethyl methanesulfonate	1.049	0.963	8.2	98	0.00	4.29
109	t	N-Nitrosopyrrolidine	0.527	0.441	16.3	96	0.00	5.13
110	t	N-Nitrosomorpholine	0.772	0.632	18.1	93	0.00	5.16
112	I	Naphthalene-d8A	1.000	1.000	0.0	97	0.00	5.78
114	t	N-Nitrosopiperidine	0.211	0.198	6.2	96	0.00	5.38
115	t	A,A-Dimethylphenethylamin	0.805	0.780	3.1	98	0.00	5.67
116	t	Hexachloropropene	0.226	0.216	4.4	96	0.00	5.87
118	t	N-Nitrosodi-n-butylamine	0.242	0.290	-19.8	122	0.00	6.07
119	t	Safrole	0.270	0.278	-3.0	106	0.00	6.24
120	t	Isosafrole	0.180	0.281	-56.1#	160	0.00	6.66
121	I	Acenaphthene-d10A	1.000	1.000	0.0	94	0.00	7.25
125	t	Phenacetin	0.641	0.557	13.1	85	0.00	8.43
126	t	1,4-Naphthoquinone	0.380	0.324	14.7	80	0.00	6.87
128	t	Pentachlorobenzene	0.452	0.451	0.2	101	0.00	7.43
132	I	Phenanthrene-d10A	1.000	1.000	0.0	90	0.00	9.20
140	t	Isodrin	0.128	0.129	-0.8	97	0.00	11.12
141	t	Diallate	0.314	0.311	1.0	93	0.00	8.40
143	t	Pronamide	0.353	0.341	3.4	90	0.00	9.02
147	I	Chrysene-d12A	1.000	1.000	0.0	83	0.00	14.54
148	t	Aramite	0.034	0.037#	-8.8	89	0.00	12.33
149	t	p-(Dimethylamine)azobenze	0.373	0.375	-0.5	82	0.00	12.61
152	t	2-Acetylaminofluorene	0.514	0.516	-0.4	82	0.00	13.91
154	t	Chlorobenzilate	0.341	0.341	0.0	84	0.00	12.75
155	I	Perylene-d12A	1.000	1.000	0.0	89	0.00	17.60
157	t	3-Methylcholanthrene	0.589	0.605	-2.7	96	0.00	18.21

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36134.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 F36134.D   MFAP5692.M       Fri Jun 20 12:48:55 2014   RT1
```

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36136.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5702\F36136.D Vial: 20
Acq On : 19 Jun 2014 4:56 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 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.
171 I	Naphthalene-d8c	1.000	1.000	0.0	96	0.00	5.78
172 t	2-chloroaniline	0.513	0.456	11.1	91	0.00	5.48
173 t	3-chloroaniline	0.461	0.446	3.3	95	0.00	5.82

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36134.D MFAP5692.M Fri Jun 20 12:48:56 2014 RT1

8.7.67

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36137.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5702\F36137.D Vial: 21
Acq On : 19 Jun 2014 5:24 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:50:07 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	87	0.00	4.86
111 t	o-Toluidine	2.058	2.022	1.7	105	-0.01	5.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36134.D MFAP5692.M Tue Jun 24 12:00:37 2014 RT1

8.7.68

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36138.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5702\F36138.D Vial: 22
Acq On : 19 Jun 2014 5:53 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 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.
169 I	1,4-Dichlorobenzene-d4c	1.000	1.000	0.0	71	0.00	4.86
170 t	m-Toluidine	2.067	1.571	24.0	59	0.00	5.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36134.D MFAP5692.M Fri Jun 20 12:48:58 2014 RT1

8.7.69

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EF5702-ICV5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36139.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5702\F36139.D Vial: 23
Acq On : 19 Jun 2014 6:21 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 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.
171 I	Naphthalene-d8c	1.000	1.000	0.0	70	0.00	5.78
175 t	1-chloro-2-nitrobenzene	0.191	0.194	-1.6	75	0.00	6.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36134.D MFAP5692.M Fri Jun 20 12:48:59 2014 RT1

8.7.7.0

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36368.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5710\F36368.D Vial: 2
Acq On : 25 Jun 2014 4:58 pm Operator: saraw
Sample : cc5692-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	-0.04	4.76
2	t	1,4-Dioxane	0.714	0.594	16.8	65	-0.06	2.34
3	t	Pyridine	1.685	1.503	10.8	72	-0.05	2.67
4	t	N-Nitrosodimethylamine	0.720	0.710	1.4	78	-0.05	2.63
5	S	2-Fluorophenol	1.443	1.318	8.7	72	-0.04	3.80
6	t	Indene	2.608	2.405	7.8	73	-0.05	4.95
7	t	Cumene	3.594	3.382	5.9	75	-0.04	4.17
8	S	Phenol-d5	1.807	1.712	5.3	73	-0.03	4.51
9	t	Phenol	1.983	1.892	4.6	76	-0.03	4.52
10	t	Aniline	2.429	2.159	11.1	70	-0.04	4.52
11	t	bis(2-Chloroethyl)ether	1.408	1.318	6.4	75	-0.04	4.56
12	t	2-Chlorophenol	1.569	1.454	7.3	73	-0.04	4.62
13	t	Decane	1.616	1.680	-4.0	83	-0.04	4.64
14	t	1,3-Dichlorobenzene	1.729	1.528	11.6	70	-0.04	4.72
15	t	1,4-Dichlorobenzene	1.717	1.537	10.5	72	-0.05	4.77
16	t	Benzyl alcohol	1.045	0.966	7.6	72	-0.04	4.86
17	t	1,2-Dichlorobenzene	1.616	1.427	11.7	71	-0.04	4.89
18	t	Acetophenone	2.052	1.926	6.1	75	-0.04	5.05
19	t	2-Methylphenol	1.420	1.293	8.9	72	-0.04	4.95
20	t	2,2'-oxybis(1-Chloropropa	0.477	0.434	9.0	72	-0.04	4.96
21	t	3&4-Methylphenol	1.459	1.382	5.3	73	-0.04	5.06
22		n-Nitroso-di-n-propylamin	0.993	1.003	-1.0	79	-0.04	5.05
23	t	Hexachloroethane	0.541	0.489	9.6	71	-0.04	5.13
24	I	Naphthalene-d8	1.000	1.000	0.0	82	-0.04	5.68
25	S	Nitrobenzene-d5	0.422	0.393	6.9	78	-0.04	5.16
26	t	Nitrobenzene	0.430	0.410	4.7	76	-0.04	5.18
27	t	Quinoline	0.846	0.745	11.9	72	-0.05	5.94
28	t	Isophorone	0.746	0.703	5.8	74	-0.04	5.35
29	t	2-Nitrophenol	0.206	0.202	1.9	74	-0.04	5.41
30	t	2,4-Dimethylphenol	0.390	0.364	6.7	75	-0.04	5.44
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	25.000	28.803	-15.2	107	-0.04	5.51
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.439	0.406	7.5	75	-0.04	5.50
33	t	2,4-Dichlorophenol	0.317	0.291	8.2	71	-0.04	5.59
34		2,6-Dichlorophenol	0.299	0.283	5.4	71	-0.04	5.74
35		1,3,5-Trichlorobenzene	0.380	0.326	14.2	70	-0.04	5.42
36	t	1,2,4-Trichlorobenzene	0.364	0.307	15.7	70	-0.04	5.64
37		1,2,3-Trichlorobenzene	0.354	0.306	13.6	71	-0.04	5.80

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36368.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.195	1.058	11.5	72	-0.05	5.70
39	t	4-Chloroaniline	0.514	0.457	11.1	70	-0.04	5.73
40	t	2,3-Dichloroaniline	0.407	0.352	13.5	70	-0.05	6.43
41	t	Caprolactam	0.188	0.196	-4.3	82	-0.04	5.99
42	t	Hexachlorobutadiene	0.185	0.158	14.6	70	-0.04	5.79
43	t	4-Chloro-3-methylphenol	0.331	0.317	4.2	74	-0.04	6.09
44	t	2-Methylnaphthalene	0.696	0.607	12.8	71	-0.04	6.20
45	t	1-Methylnaphthalene	0.803	0.698	13.1	71	-0.05	6.28
46	t	Dimethylnaphthalene	0.714	0.622	12.9	70	-0.05	6.72
47	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.06	7.12
48	t	Hexachlorocyclopentadiene	0.294	0.287	2.4	73	-0.05	6.33
49	t	2,4,6-Trichlorophenol	0.375	0.335	10.7	71	-0.05	6.43
50	t	2,4,5-Trichlorophenol	0.387	0.369	4.7	75	-0.04	6.47
51	S	2-Fluorobiphenyl	1.393	1.193	14.4	71	-0.05	6.49
52	t	2-Chloronaphthalene	1.273	1.083	14.9	71	-0.05	6.60
53	t	Biphenyl	1.708	1.448	15.2	70	-0.05	6.58
54	t	2-Nitroaniline	0.352	0.372	-5.7	81	-0.05	6.68
55	t	Dimethylphthalate	1.314	1.170	11.0	73	-0.05	6.84
56	t	Acenaphthylene	2.032	1.803	11.3	72	-0.05	6.98
57	t	2,6-Dinitrotoluene	0.293	0.277	5.5	73	-0.05	6.90
58	t	3-Nitroaniline	0.356	0.329	7.6	70	-0.05	7.07
59	t	Acenaphthene	1.286	1.108	13.8	71	-0.06	7.15
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	46.440	7.1	82	-0.05	7.18
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.167	-0.6	81	-0.04	7.26
62	t	Dibenzofuran	1.780	1.492	16.2	69	-0.06	7.33
63	t	2,4-Dinitrotoluene	0.387	0.370	4.4	72	-0.05	7.31
64		2,3,4,6-Tetrachlorophenol	0.298	0.271	9.1	69	-0.06	7.47
65	t	Diethylphthalate	1.304	1.214	6.9	76	-0.06	7.57
66	t	Fluorene	1.415	1.219	13.9	71	-0.06	7.72
67	t	4-Chlorophenyl-phenylethe	0.629	0.541	14.0	71	-0.06	7.71
68	t	4-Nitroaniline	0.359	0.330	8.1	72	-0.06	7.74
69	I	Phenanthrene-d10	1.000	1.000	0.0	80	-0.08	9.02
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	25.000	21.741	13.0	73	-0.06	7.78
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.576	0.532	7.6	73	-0.06	7.86
72	t	1,2-Diphenylhydrazine	0.893	0.857	4.0	75	-0.07	7.91
73	S	2,4,6-Tribromophenol	0.090	0.085	5.6	70	-0.06	8.02
74	t	4-Bromophenyl-phenylether	0.216	0.191	11.6	70	-0.07	8.36
75	t	Hexachlorobenzene	0.239	0.200	16.3	68	-0.07	8.45
76	t	Pentachlorophenol	0.129	0.117	9.3	69	-0.06	8.75
77	t	Phenanthrene	1.238	1.071	13.5	70	-0.08	9.06
78	t	Anthracene	1.228	1.093	11.0	69	-0.08	9.14
79	t	Carbazole	1.177	1.023	13.1	70	-0.07	9.42
80	t	Di-n-butylphthalate	1.262	1.304	-3.3	77	-0.08	10.11
81	t	Fluoranthene	1.256	1.111	11.5	70	-0.09	11.21
82	t	Octadecane	0.569	0.601	-5.6	78	-0.08	8.90
83	I	Chrysene-d12	1.000	1.000	0.0	81	-0.09	14.32
84	t	Pyrene	1.429	1.270	11.1	69	-0.09	11.66
85	S	Terphenyl-d14	0.909	0.811	10.8	70	-0.09	12.08
86	t	Butylbenzylphthalate	0.575	0.616	-7.1	80	-0.09	13.24

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5692
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36368.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

87		Butyl stearate	0.400	0.668	-67.0#	122	-0.09	13.52
88	t	Benzo[a]anthracene	1.270	1.048	17.5	70	-0.09	14.30
89	t	3,3'-Dichlorobenzidine	0.407	0.372	8.6	70	-0.09	14.33
90	t	Chrysene	1.220	0.970	20.5#	68	-0.09	14.37
91	t	bis(2-Ethylhexyl)phthalat	0.762	0.856	-12.3	82	-0.09	14.65
92	I	Perylene-d12	1.000	1.000	0.0	84	-0.09	17.37
93	t	Di-n-octylphthalate	1.555	1.727	-11.1	83	-0.09	16.09
94	t	Benzo[b]fluoranthene	1.560	1.230	21.2#	66	-0.09	16.61
95	t	Benzo[k]fluoranthene	1.535	1.176	23.4#	67	-0.09	16.67
96	t	Benzo[a]pyrene	1.318	1.081	18.0	69	-0.09	17.25
97	t	Indeno[1,2,3-cd]pyrene	1.169	1.007	13.9	71	-0.09	19.31
98	t	Dibenz(a,h)acridine	1.053	0.907	13.9	69	-0.09	18.94
99	t	Dibenz[a,h]anthracene	1.204	0.979	18.7	66	-0.09	19.36
100	t	7,12-Dimethylbenz(a)anthr	0.708	0.586	17.2	67	-0.09	16.63
101	t	Benzo[g,h,i]perylene	1.245	0.986	20.8#	66	-0.10	19.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36250.D MF5692.M Thu Jun 26 08:45:47 2014 RT1

8.7.71

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36369.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5710\F36369.D Vial: 3
Acq On : 25 Jun 2014 5:33 pm Operator: saraw
Sample : cc5693-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	98	-0.04	4.76
103	t	Benzaldehyde	0.983	1.030	-4.8	100	-0.10	4.44
104	I	Naphthalene-d8b	1.000	1.000	0.0	101	-0.04	5.68
105	t	Hydroquinone	0.346	0.395	-14.2	117	-0.09	5.98
106		Acenaphthene-d10b	1.000	1.000	0.0	105	-0.05	7.13
107		1,2,4,5-Tetrachlorobenzen	0.564	0.577	-2.3	101	-0.12	6.34
108		Phenanthrene-d10b	1.000	1.000	0.0	104	0.14	9.04
109		Atrazine	0.195	0.229	-17.4	111	-0.15	8.63
110		Chrysene-d12b	1.000	1.000	0.0	96	-0.07	14.34
111		Benzidine	0.465	0.621	-33.5#	104	-0.20	11.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36250.D MF5692.M Thu Jun 26 08:45:48 2014 RT1

8.7.72

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36371.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jun 25 10:18:09 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	126	-0.11	4.76
103	t	2-Picoline	1.576	1.503	4.6	134	-0.11	3.30
104	t	Pentachloroethane	0.572	0.520	9.1	123	-0.10	4.55
105	t	Methyl methanesulfonate	0.736	0.665	9.6	131	-0.10	3.64
106	t	N-Nitrosodiethylamine	0.694	0.657	5.3	131	-0.10	3.95
107	t	N-Nitrosomethylethylamine	0.655	0.737	-12.5	158	-0.11	3.39
108	t	Ethyl methanesulfonate	1.049	1.022	2.6	134	-0.10	4.19
109	t	N-Nitrosopyrrolidine	0.527	0.495	6.1	138	-0.09	5.04
110	t	N-Nitrosomorpholine	0.772	0.715	7.4	136	-0.09	5.07
111	t	o-Toluidine	2.058	1.648	19.9	124	-0.11	5.08
112	I	Naphthalene-d8A	1.000	1.000	0.0	125	-0.10	5.68
113	t	O,O,O-Triethyl phosphorot	0.179	0.157	12.3	121	-0.10	5.48
114	t	N-Nitrosopiperidine	0.211	0.242	-14.7	149	-0.10	5.28
115	t	A,A-Dimethylphenethylamin		----------NA----------				
116	t	Hexachloropropene	0.226	0.212	6.2	120	-0.10	5.77
117	t	p-Phenylenediamine		----------NA----------				
118	t	N-Nitrosodi-n-butylamine	0.242	0.240	0.8	129	-0.10	5.97
119	t	Safrole	0.270	0.255	5.6	124	-0.10	6.13
120	t	Isosafrole	0.180	0.170	5.6	124	-0.10	6.56
121	I	Acenaphthene-d10A	1.000	1.000	0.0	123	-0.11	7.14
122	t	Thionazin	0.162	0.167	-3.1	132	-0.09	7.73
123	t	Tetraethyl dithiopyrophos	0.165	0.145	12.1	120	-0.08	8.15
124	t	Phorate	0.745	1.017	-36.5#	183	-0.09	8.33
125	t	Phenacetin	0.641	0.672	-4.8	134	-0.01	8.42
126	t	1,4-Naphthoquinone	0.380	0.367	3.4	119	-0.10	6.77
127	t	m-Dinitrobenzene	0.185	0.191	-3.2	128	-0.10	6.90
128	t	Pentachlorobenzene	0.452	0.405	10.4	120	-0.11	7.33
129	t	1-Naphthylamine	0.873	0.714	18.2	120	-0.10	7.45
130	t	2-Naphthylamine	1.072	0.816	23.9#	117	-0.10	7.54
131	t	5-Nitro-o-toluidine	0.368	0.347	5.7	123	-0.09	7.78
132	I	Phenanthrene-d10A	1.000	1.000	0.0	121	-0.09	9.11
133	t	Disulfoton	0.379	0.363	4.2	134	-0.07	9.16
134	t	Dinoseb	0.173	0.192	-11.0	126	-0.06	9.17
135	t	Dimethoate		----------NA----------				
136	t	4-Aminobiphenyl	0.396	0.327	17.4	119	-0.07	8.84
137	t	Methyl parathion	0.217	0.215	0.9	125	-0.05	9.82
138	t	Parathion	0.162	0.173	-6.8	134	-0.01	10.62

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EF5710-CC5702
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** F36371.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

139	t	Diphenylamine	1.178	1.126	4.4	124	-0.10	7.92
140	t	Isodrin	0.128	0.124	3.1	126	-0.06	11.06
141	t	Diallate	0.314	0.316	-0.6	128	-0.09	8.32
142	t	Pentachloronitrobenzene	0.037	0.034#	8.1	120	-0.09	8.85
143	t	Pronamide	0.353	0.352	0.3	126	-0.03	9.00
144	t	4-Nitroquinoline 1-oxide		----------NA----------				
145	t	Methapyriline	0.395	0.343	13.2	131	0.02	10.85
146	t	sym-Trinitrobenzene	0.066	0.066	0.0	112	-0.07	8.31
147	I	Chrysene-d12A	1.000	1.000	0.0	127	-0.06	14.47
148	t	Aramite	0.034	0.034#	0.0	129	-0.03	12.30
149	t	p-(Dimethylamine)azobenze	0.373	0.392	-5.1	132	-0.05	12.57
150	t	Kepone		----------NA----------				
151	t	Famphur		----------NA----------				
152	t	2-Acetylaminofluorene	0.514	0.522	-1.6	127	0.00	13.90
153	t	3,3'-Dimethylbenzidine		----------NA----------				
154	t	Chlorobenzilate	0.341	0.328	3.8	124	-0.04	12.72
155	I	Perylene-d12A	1.000	1.000	0.0	124	-0.06	17.54
156	t	4,4-Methylene-bis-(2-chlo	0.117	0.087	25.6#	104	-0.04	14.55
157	t	3-Methylcholanthrene	0.589	0.564	4.2	124	-0.05	18.16
158	t	Hexachlorophene	0.000	0.034#	0.0	0#	-0.03	17.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F36134.D MFAP5692A.M Thu Jun 26 08:47:06 2014 RT1

8.7.73

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Calibration Files
100 =z91851.D 80 =z91852.D 50 =z91853.D 25 =z91924.D
10 =z91855.D 5 =z91856.D 2 =z91857.D 1 =z91858.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.636	0.664	0.609	0.619	0.702	0.728	0.732	0.790	0.685	9.30
3) Pyridine	1.733	1.805	1.611	1.613	1.853	1.880	1.903	1.798	1.774	6.39
4) N-Nitrosodim	0.911	0.952	0.940	0.950	0.977	0.998	0.987	0.958	0.959	2.91
5) 2-Fluorophen	1.307	1.359	1.393	1.390	1.385	1.402	1.380	1.320	1.367	2.61
6) Indene	2.231	2.407	2.406	2.501	2.972	3.051	3.112	2.989	2.709	13.11
7) Cumene	3.451	3.657	3.428	3.476	4.077	4.196	4.210	4.155	3.831	9.39
8) Phenol-d5	1.615	1.685	1.736	1.727	1.740	1.798	1.759	1.712	1.722	3.14
9) Phenol	1.786	1.889	1.882	1.868	1.944	1.985	2.024	2.080	1.932	4.92
10) Aniline	1.721	1.804	1.989	2.185	2.097	2.310	2.404	2.286	2.099	11.69
11) bis(2-Chloro	1.246	1.300	1.299	1.330	1.365	1.443	1.406	1.445	1.354	5.38
12) 2-Chlorophen	1.417	1.477	1.507	1.530	1.579	1.624	1.562	1.627	1.540	4.71
13) Decane	1.480	1.627	1.630	1.656	1.975	2.061	2.121	2.105	1.832	14.12
14) 1,3-Dichloro	1.454	1.531	1.632	1.667	1.722	1.788	1.753	1.724	1.659	6.95
15) 1,4-Dichloro	1.481	1.545	1.666	1.675	1.728	1.822	1.817	1.862	1.699	8.00
16) Benzyl alcoh	0.894	0.937	0.956	0.948	0.935	0.935	0.968	0.850	0.928	4.13
17) 1,2-Dichloro	1.385	1.449	1.550	1.569	1.639	1.688	1.689	1.772	1.593	8.17
18) Acetophenone	1.930	2.043	1.950	2.013	2.384	2.477	2.521	2.396	2.214	11.39
19) 2-Methylphen	1.097	1.173	1.269	1.314	1.373	1.417	1.364	1.368	1.297	8.55
20) 2,2'-oxybis(	0.379	0.405	0.430	0.441	0.468	0.489	0.494	0.473	0.447	9.11
21) 3&4-Methylph	1.235	1.308	1.366	1.401	1.489	1.489	1.418	1.432	1.392	6.28
22) n-Nitroso-di	0.854	0.909	0.951	0.986	1.016	1.046	1.072	0.974	0.976	7.34
23) Hexachloroet	0.480	0.503	0.518	0.533	0.540	0.544	0.551	0.534	0.525	4.57
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.335	0.356	0.354	0.356	0.352	0.366	0.361	0.341	0.352	2.92
26) Nitrobenzene	0.353	0.376	0.385	0.396	0.393	0.414	0.401	0.398	0.390	4.77
27) Quinoline	0.774	0.826	0.729	0.741	0.831	0.856	0.864	0.788	0.801	6.36
28) Isophorone	0.592	0.635	0.661	0.671	0.654	0.674	0.649	0.612	0.644	4.49
29) 2-Nitropheno	0.181	0.194	0.195	0.196	0.185	0.181	0.173	0.155	0.182	7.58
30) 2,4-Dimethyl	0.321	0.340	0.331	0.327	0.296	0.285	0.229		0.304	12.62
31) Benzoic Acid	0.276	0.286	0.228	0.126	0.066	0.040			0.170	63.07
32) bis(2-Chloro	0.358	0.379	0.383	0.390	0.399	0.413	0.411	0.400	0.391	4.66
33) 2,4-Dichloro	0.265	0.284	0.288	0.288	0.288	0.285	0.275	0.260	0.279	4.02
34) 2,6-Dichloro	0.247	0.264	0.271	0.281	0.290	0.293	0.289	0.254	0.274	6.43
35) 1,3,5-Trichl	0.337	0.363	0.344	0.352	0.414	0.439	0.443	0.421	0.389	11.46
36) 1,2,4-Trichl	0.293	0.310	0.326	0.337	0.343	0.361	0.348	0.340	0.332	6.53
37) 1,2,3-Trichl	0.326	0.348	0.322	0.335	0.386	0.411	0.413	0.402	0.368	10.65
38) Naphthalene	0.947	1.012	1.058	1.104	1.138	1.201	1.204	1.261	1.116	9.55
39) 4-Chloroanil	0.369	0.391	0.434	0.467	0.461	0.478	0.479	0.441	0.440	9.22
40) 2,3-Dichloro	0.347	0.370	0.340	0.354	0.412	0.426	0.416	0.390	0.382	8.84
41) Caprolactam	0.200	0.210	0.179	0.177	0.190	0.189	0.189	0.153	0.186	9.08
42) Hexachlorobu	0.152	0.162	0.172	0.181	0.183	0.196	0.192	0.197	0.180	9.04
43) 4-Chloro-3-m	0.291	0.310	0.311	0.306	0.296	0.305	0.279	0.274	0.296	4.70
44) 2-Methylnaph	0.535	0.565	0.589	0.614	0.625	0.649	0.630	0.642	0.606	6.59
45) 1-Methylnaph	0.597	0.636	0.594	0.618	0.713	0.735	0.744	0.705	0.668	9.41

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
46) Dimethylnaph 0.612 0.656 0.617 0.635 0.725 0.754 0.724 0.690 0.676   8.04

47) I   Acenaphthene-d10      ----------------ISTD--------------------
48) Hexachlorocy 0.331 0.345 0.341 0.333 0.337 0.314 0.293 0.237 0.316  11.45
49) 2,4,6-Trichl 0.333 0.341 0.357 0.359 0.369 0.367 0.344 0.307 0.347   5.98
50) 2,4,5-Trichl 0.373 0.386 0.384 0.384 0.382 0.377 0.334 0.327 0.368   6.50
51) 2-Fluorobiph 1.104 1.156 1.216 1.267 1.329 1.353 1.342 1.377 1.268   7.91
52) 2-Chloronaph 1.025 1.072 1.158 1.204 1.240 1.285 1.264 1.270 1.190   8.13
53) Biphenyl     1.471 1.546 1.498 1.560 1.860 1.895 1.869 1.837 1.692  11.10
54) 2-Nitroanili 0.347 0.359 0.359 0.351 0.335 0.320 0.294 0.245 0.326  12.12
55) Dimethylphth 1.183 1.208 1.242 1.254 1.300 1.308 1.284 1.387 1.271   5.03
56) Acenaphthyle 1.715 1.765 1.887 1.925 1.979 2.009 1.917 1.758 1.869   5.88
57) 2,6-Dinitrot 0.287 0.294 0.294 0.287 0.269 0.249 0.225 0.179 0.260  15.77
58) 3-Nitroanili 0.352 0.360 0.365 0.351 0.330 0.334 0.300 0.241 0.329  12.49
59) Acenaphthene 1.030 1.069 1.136 1.162 1.223 1.289 1.245 1.308 1.183   8.55
60) 2,4-Dinitrop 0.188 0.193 0.166 0.135 0.101 0.074             0.143  33.77
          ----- Linear regression -----  Coefficient =  0.9963
            Response Ratio = -0.05513 + 0.19952 *A

61) 4-Nitropheno 0.163 0.167 0.159 0.149 0.137 0.118             0.149  12.43
62) Dibenzofuran 1.369 1.439 1.569 1.631 1.720 1.785 1.732 1.881 1.641  10.63
63) 2,4-Dinitrot 0.367 0.379 0.396 0.393 0.385 0.369 0.315 0.241 0.355  14.83
64) 2,3,4,6-Tetr 0.304 0.313 0.315 0.307 0.304 0.289 0.255       0.298   7.03
65) Diethylphtha 1.178 1.211 1.246 1.249 1.283 1.279 1.242 1.208 1.237   2.93
66) Fluorene     1.124 1.165 1.258 1.303 1.346 1.390 1.325 1.356 1.283   7.38
67) 4-Chlorophen 0.515 0.535 0.577 0.601 0.637 0.646 0.633 0.660 0.601   8.92
68) 4-Nitroanili 0.359 0.361 0.365 0.358 0.341 0.338 0.282 0.234 0.330  14.38

69) I   Phenanthrene-d10      ----------------ISTD--------------------
70) 4,6-Dinitro- 0.144 0.148 0.135 0.120 0.095                   0.128  16.92
71) n-Nitrosodip 0.470 0.492 0.516 0.527 0.522 0.540 0.519 0.468 0.507   5.30
72) 1,2-Diphenyl 0.718 0.761 0.817 0.832 0.810 0.826 0.808 0.732 0.788   5.68
73) 2,4,6-Tribro 0.104 0.106 0.112 0.110 0.099 0.098 0.084 0.069 0.098  14.59
74) 4-Bromopheny 0.187 0.195 0.204 0.207 0.208 0.213 0.203 0.226 0.205   5.63
75) Hexachlorobe 0.221 0.229 0.241 0.253 0.251 0.258 0.257 0.250 0.245   5.48
76) Pentachlorop 0.139 0.142 0.140 0.135 0.120 0.111 0.085       0.125  16.93
77) Phenanthrene 1.007 1.048 1.137 1.163 1.200 1.252 1.214 1.285 1.163   8.29
78) Anthracene   1.015 1.061 1.133 1.189 1.165 1.212 1.154 1.094 1.128   5.92
79) Carbazole    1.096 1.135 1.068 1.103 1.247 1.292 1.234 1.170 1.168   6.97
80) Di-n-butylph 1.157 1.211 1.254 1.231 1.187 1.154 1.035 0.950 1.147   9.07
81) Fluoranthene 1.066 1.103 1.164 1.188 1.170 1.200 1.101 1.070 1.133   4.75
82) Octadecane   0.496 0.534 0.543 0.563 0.618 0.612 0.560 0.468 0.549   9.44

83) I   Chrysene-d12          ----------------ISTD--------------------
84) Pyrene       1.160 1.207 1.251 1.270 1.238 1.272 1.206 1.153 1.220   3.79
85) Butyl steara 0.341 0.362 0.390 0.374 0.311 0.292 0.236       0.329  16.32
86) Terphenyl-d1 0.780 0.807 0.834 0.829 0.812 0.821 0.797 0.755 0.804   3.28
87) Butylbenzylp 0.549 0.566 0.548 0.518 0.456 0.430 0.376       0.492  14.61
88) Benzo[a]anth 1.067 1.097 1.128 1.129 1.090 1.113 1.092 1.086 1.100   1.95
89) 3,3'-Dichlor 0.377 0.394 0.414 0.409 0.373 0.352 0.321 0.252 0.362  14.90
90) Chrysene     1.029 1.065 1.094 1.113 1.096 1.140 1.098 1.102 1.092   3.03
91) bis(2-Ethylh 0.766 0.781 0.750 0.716 0.624 0.571 0.468       0.668  17.58

92) I   Perylene-d12          ----------------ISTD--------------------
93) Di-n-octylph       1.458 1.338 1.211 1.094 0.978 0.733       1.135  22.93
          ----- Quadratic regression -----                Coefficient =  1.0000
               Response Ratio = -0.02484 + 1.16072 *A + 0.15503 *A^2

94) Benzo[b]fluo 1.239 1.330 1.244 1.261 1.257 1.225 1.074 0.907 1.192  11.39
95) Benzo[k]fluo 1.124 1.141 1.235 1.245 1.287 1.325 1.205 1.288 1.231   5.80
```

8.7.4

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 96) Benzo[a]pyre 1.070 1.117 1.104 1.107 1.095 1.051 1.097 0.829 1.059   9.00
 97) Indeno[1,2,3 1.184 1.170 1.106 1.053 1.061 1.005 0.880 0.711 1.021  15.47
 98) Dibenz(a,h)a 1.110 1.150 0.989 0.956 1.058 1.020 0.898 0.774 0.995  12.14
 99) Dibenz[a,h]a 1.123 1.168 1.140 1.124 1.123 1.095 0.945 0.899 1.077   9.15
100) 7,12-Dimethy 0.619 0.647 0.569 0.553 0.404 0.282 0.175       0.464  39.02
101) Benzo[g,h,i] 1.098 1.123 1.087 1.089 1.102 1.102 0.993 0.919 1.064   6.61

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

           MZ4569.M          Fri May 30 11:23:37 2014   RTE
```

8.7.74

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4571-ICC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91853.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 11:48:33 2014
Response via : Initial Calibration

Calibration Files
100 =z91851.D 80 =z91852.D 50 =z91853.D 25 =z91924.D
10 =z91855.D 5 =z91856.D 2 =z91857.D 1 =z91858.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	0.778	0.833	0.970	1.027	1.132	0.950	0.987	0.835	0.939	12.47
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.077	0.080	0.102	0.099	0.094	0.063	0.053		0.081	22.93
----- Quadratic regression ----- Coefficient = 0.9965										
Response Ratio = -0.00563 + 0.12373 *A + -0.01841 *A^2										
106) o-terphenyl	0.407	0.431	0.568	0.591	0.606	0.497	0.504	0.440	0.506	15.13
107) Chrysene-d12a	ISTD									
108) Benzidine	0.267	0.306	0.381	0.504	0.631	0.375			0.411	32.91
109) 1-chlorooctа	0.258	0.272	0.344	0.333	0.313	0.215			0.289	17.16
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.370	0.390	0.520	0.536	0.567	0.479	0.511	0.490	0.483	14.33
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.280	0.291	0.320	0.323	0.289				0.301	6.53

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

MZ4569eph.M Fri May 30 11:49:01 2014 RTE

8.7.5 8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4571\z91860a.D          Vial: 11
  Acq On    : 27 May 2014   3:17 pm                   Operator: ashleyv
  Sample    : ICV4571-50, bn1                         Inst    : MSZ
  Misc      : op73791,ez4571                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Fri May 30 15:12:27 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110	Acenaphthene-d10a	1.000	1.000	0.0	116	0.00	7.19
111	1,2,4,5-Tetrachlorobenzen	0.483	0.536	-11.0	120	0.00	6.15

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z91853.D   MZ4569.M         Fri May 30 16:13:24 2014   RTE
```

8.7.6

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91860.D Vial: 11
Acq On : 27 May 2014 3:17 pm Operator: ashleyv
Sample : ICV4569-50, bn1 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	3.79
3	t	Pyridine	1.774	1.494	15.8	111	0.00	1.92
4	t	N-Nitrosodimethylamine	0.959	0.826	13.9	105	0.00	1.89
11	t	bis(2-Chloroethyl)ether	1.354	1.266	6.5	117	0.00	3.52
14	t	1,3-Dichlorobenzene	1.659	1.473	11.2	108	0.00	3.73
15	t	1,4-Dichlorobenzene	1.699	1.487	12.5	107	0.00	3.80
16	t	Benzyl alcohol	0.928	0.854	8.0	107	0.00	3.92
17	t	1,2-Dichlorobenzene	1.593	1.422	10.7	110	0.00	3.96
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.421	5.8	117	0.00	4.05
22	t	n-Nitroso-di-n-propylamin	0.976	0.904	7.4	114	0.00	4.18
23	t	Hexachloroethane	0.525	0.481	8.4	111	0.00	4.30
24	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	5.13
26	t	Nitrobenzene	0.390	0.336	13.8	103	0.00	4.36
28	t	Isophorone	0.644	0.579	10.1	103	0.00	4.61
32	t	bis(2-Chloroethoxy)methan	0.391	0.380	2.8	117	0.00	4.86
36	t	1,2,4-Trichlorobenzene	0.332	0.298	10.2	108	0.00	5.07
38	t	Naphthalene	1.116	0.979	12.3	109	0.00	5.15
42	t	Hexachlorobutadiene	0.180	0.164	8.9	112	0.00	5.31
44	t	2-Methylnaphthalene	0.606	0.540	10.9	108	0.00	5.95
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.19
48	t	Hexachlorocyclopentadiene	0.316	0.280	11.4	96	0.00	6.15
52	t	2-Chloronaphthalene	1.190	1.055	11.3	106	0.00	6.52
54	t	2-Nitroaniline	0.326	0.303	7.1	98	0.00	6.66
55	t	Dimethylphthalate	1.271	1.159	8.8	108	0.00	6.90
56	t	Acenaphthylene	1.869	1.485	20.5	91	0.00	7.01
57	t	2,6-Dinitrotoluene	0.260	0.251	3.5	99	0.00	6.95
58	t	3-Nitroaniline	0.329	0.278	15.5	89	0.00	7.16
59	t	Acenaphthene	1.183	1.087	8.1	111	0.00	7.23
62	t	Dibenzofuran	1.641	1.451	11.6	107	0.00	7.43
63	t	2,4-Dinitrotoluene	0.355	0.313	11.8	92	0.00	7.43
65	t	Diethylphthalate	1.237	1.168	5.6	109	0.00	7.74
66	t	Fluorene	1.283	1.182	7.9	109	0.00	7.85
67	t	4-Chlorophenyl-phenylethe	0.601	0.555	7.7	112	0.00	7.86
68	t	4-Nitroaniline	0.330	0.300	9.1	95	0.00	7.89
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	8.99
71	t	n-Nitrosodiphenylamine	0.507	0.491	3.2	107	0.00	8.01
72	t	1,2-Diphenylhydrazine	0.788	0.760	3.6	105	0.00	8.05
74	t	4-Bromophenyl-phenylether	0.205	0.199	2.9	110	0.00	8.44
75	t	Hexachlorobenzene	0.245	0.225	8.2	105	0.00	8.51
77	t	Phenanthrene	1.163	1.039	10.7	103	0.00	9.02
78	t	Anthracene	1.128	1.052	6.7	105	0.00	9.08
79	t	Carbazole	1.168	0.976	16.4	103	0.00	9.30

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

80	t	Di-n-butylphthalate	1.147	1.168	-1.8	105	0.00	9.81
81	t	Fluoranthene	1.133	1.072	5.4	104	0.00	10.61
83	I	Chrysene-d12	1.000	1.000	0.0	108	0.00	12.73
84	t	Pyrene	1.220	1.172	3.9	102	0.00	10.93
87	t	Butylbenzylphthalate	0.492	0.513	-4.3	102	0.00	11.96
88	t	Benzo[a]anthracene	1.100	1.023	7.0	98	0.00	12.71
90	t	Chrysene	1.092	1.056	3.3	105	0.00	12.77
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.715	-7.0	103	0.00	12.87
92	I	Perylene-d12	1.000	1.000	0.0	106	0.00	14.78
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	48.949	2.1	104	0.00	13.82
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.192	1.134	4.9	97	0.00	14.27
95	t	Benzo[k]fluoranthene	1.231	1.118	9.2	96	0.00	14.31
96	t	Benzo[a]pyrene	1.059	1.019	3.8	98	0.00	14.70
97	t	Indeno[1,2,3-cd]pyrene	1.021	0.992	2.8	95	0.00	16.27
99	t	Dibenz[a,h]anthracene	1.077	1.053	2.2	98	0.00	16.31
101	t	Benzo[g,h,i]perylene	1.064	1.045	1.8	102	0.01	16.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:40 2014 RTE

8.7.7 8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91861A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91861a.D Vial: 12
Acq On : 27 May 2014 3:43 pm Operator: ashleyv
Sample : ICV4571-50, bn2 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 11:35:20 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	107	0.00	3.79
103	Benzaldehyde	0.939	1.152	-22.7	126	0.00	3.38
104	Phenanthrene-d10a	1.000	1.000	0.0	106	0.00	8.99
		True	Calc.	% Drift			
105	Atrazine	50.000	52.349	-4.7	104	0.00	8.67

		AvgRF	CCRF	% Dev

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Fri May 30 11:54:43 2014 RTE

8.7.78

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91861.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91861.D Vial: 12
Acq On : 27 May 2014 3:43 pm Operator: ashleyv
Sample : ICV4569-50, bn2 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	3.79
2		1,4-Dioxane	0.685	0.585	14.6	102	0.00	1.75
6	t	Indene	2.709	2.436	10.1	108	0.00	4.04
7	t	Cumene	3.831	3.307	13.7	103	0.00	3.08
13	t	Decane	1.832	1.463	20.1	96	0.00	3.62
18	t	Acetophenone	2.214	1.919	13.3	105	0.00	4.18
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.13
26	t	Nitrobenzene	0.390	0.379	2.8	104	-0.19	4.18
27	t	Quinoline	0.801	0.699	12.7	102	0.00	5.53
40	t	2,3-Dichloroaniline	0.382	0.290	24.1	91	0.00	6.29
41	t	Caprolactam	0.186	0.150	19.4	89	0.00	5.59
45	t	1-Methylnaphthalene	0.668	0.571	14.5	102	0.00	6.07
46	t	Dimethylnaphthalene	0.676	0.587	13.2	101	0.00	6.69
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.18
48	t	Hexachlorocyclopentadiene	0.316	0.360	13.9	112	0.00	6.15
53	t	Biphenyl	1.692	1.443	14.7	102	0.00	6.51
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	8.99
82	t	Octadecane	0.549	0.496	9.7	96	0.00	8.91
83	I	Chrysene-d12	1.000	1.000	0.0	103	-0.01	12.72
92	I	Perylene-d12	1.000	1.000	0.0	97	-0.01	14.77
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.495	-6.7	84	0.00	14.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:44 2014 RTE

8.7.79

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91862.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91862.D Vial: 13
Acq On : 27 May 2014 4:08 pm Operator: ashleyv
Sample : ICV4569-50, aniline Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	139	0.00	3.79
10	t	Aniline	2.099	2.277	-8.5	159	0.00	3.48
24	I	Naphthalene-d8	1.000	1.000	0.0	140	0.00	5.13
39	t	4-Chloroaniline	0.440	0.453	-3.0	146	0.00	5.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:48 2014 RTE

8.7.80

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91863.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91863.D Vial: 14
Acq On : 27 May 2014 4:34 pm Operator: ashleyv
Sample : ICV4569-50, benzidine Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	194	0.00	12.73
108	Benzidine	0.411	0.712	-73.2#	362#	0.00	10.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:50 2014 RTE

8.7.81

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91863A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91863a.D Vial: 14
Acq On : 27 May 2014 4:34 pm Operator: ashleyv
Sample : ICV4569-50, benzidine Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	194	0.00	12.73
89 t	3,3'-Dichlorobenzidine	0.362	0.359	0.8	168	0.00	12.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:52 2014 RTE

8.7.82

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91864.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91864.D Vial: 15
Acq On : 27 May 2014 4:59 pm Operator: ashleyv
Sample : ICV4569-50, surr Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	3.79
5	S	2-Fluorophenol	1.367	1.217	11.0	111	0.00	2.68
8	S	Phenol-d5	1.722	1.479	14.1	108	0.00	3.43
24	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	5.13
25	S	Nitrobenzene-d5	0.352	0.315	10.5	111	0.00	4.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00	7.19
51	S	2-Fluorobiphenyl	1.268	1.152	9.1	115	0.00	6.39
69	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00	8.99
73	S	2,4,6-Tribromophenol	0.098	0.084	14.3	88	0.00	8.13
83	I	Chrysene-d12	1.000	1.000	0.0	111	-0.01	12.72
86	S	Terphenyl-d14	0.804	0.804	0.0	107	0.00	11.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:54 2014 RTE

8.7.83

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91865.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4571\z91865.D           Vial: 16
  Acq On    : 27 May 2014   5:25 pm                  Operator: ashleyv
  Sample    : ICV4569-50, hq                         Inst    : MSZ
  Misc      : op73791,ez4571                         Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Wed May 28 10:28:35 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	112	0.00	5.13
113	Hydroquinone	0.301	0.372	-23.6	131	0.00	5.64

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z91853.D   MZ4569.M         Wed May 28 12:22:56 2014   RTE
```

8.7.84

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4572-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91868.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4572\z91868.D Vial: 2
Acq On : 27 May 2014 9:04 pm Operator: ashleyd
Sample : icv4569-50 Inst : MSZ
Misc : op73791,ez4572 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	3.78
9	t	Phenol	1.932	1.725	10.7	76	0.00	3.44
12	t	2-Chlorophenol	1.540	1.417	8.0	78	0.00	3.59
19	t	2-Methylphenol	1.297	1.236	4.7	81	-0.01	4.03
21	t	3&4-Methylphenol	1.392	1.304	6.3	79	0.00	4.19
24	I	Naphthalene-d8	1.000	1.000	0.0	82	-0.01	5.12
29	t	2-Nitrophenol	0.182	0.179	1.6	75	0.00	4.70
30	t	2,4-Dimethylphenol	0.304	0.336	-10.5	83	-0.01	4.76
31		Benzoic Acid	0.170	0.155	8.8	56	0.04	4.89
33	t	2,4-Dichlorophenol	0.279	0.275	1.4	78	-0.01	4.97
34		2,6-Dichlorophenol	0.274	0.270	1.5	81	0.00	5.23
43	t	4-Chloro-3-methylphenol	0.296	0.286	3.4	75	-0.01	5.80
47	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.01	7.18
49	t	2,4,6-Trichlorophenol	0.347	0.352	-1.4	81	-0.01	6.29
50	t	2,4,5-Trichlorophenol	0.368	0.374	-1.6	80	-0.01	6.33
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	89.06	10.9	66	-0.01	7.27
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.157	-5.4	81	-0.01	7.39
64		2,3,4,6-Tetrachlorophenol	0.298	0.298	0.0	77	-0.01	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	83	-0.01	8.98
70	t	4,6-Dinitro-2-methylpheno	0.128	0.120	6.3	74	0.00	7.92
76	t	Pentachlorophenol	0.125	0.136	-8.8	80	-0.01	8.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 13:04:18 2014 RTE

8.7.85

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4607-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92743.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4607\z92743.D Vial: 2
Acq On : 18 Jun 2014 10:00 pm Operator: andrews1
Sample : cc4569-25 Inst : MSZ
Misc : op75490,ez4607 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 19 15:13:56 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	3.46
2		1,4-Dioxane	0.685	0.453	33.9#	65	0.00	1.50
3	t	Pyridine	1.774	1.259	29.0#	69	0.00	1.65
4	t	N-Nitrosodimethylamine	0.959	0.664	30.8#	62	0.00	1.63
5	S	2-Fluorophenol	1.367	1.245	8.9	80	0.00	2.40
6	t	Indene	2.709	2.876	-6.2	102	0.00	3.71
7	t	Cumene	3.831	4.035	-5.3	103	0.00	2.77
8	S	Phenol-d5	1.722	1.630	5.3	84	0.00	3.14
9	t	Phenol	1.932	1.922	0.5	92	0.00	3.16
10	t	Aniline	2.099	2.173	-3.5	88	0.00	3.16
11	t	bis(2-Chloroethyl)ether	1.354	1.218	10.0	81	0.00	3.21
12	t	2-Chlorophenol	1.540	1.553	-0.8	90	0.00	3.27
13	t	Decane	1.832	2.238	-22.2#	120	0.00	3.30
14	t	1,3-Dichlorobenzene	1.659	1.708	-3.0	91	0.00	3.41
15	t	1,4-Dichlorobenzene	1.699	1.726	-1.6	92	0.00	3.48
16	t	Benzyl alcohol	0.928	0.961	-3.6	90	0.00	3.60
17	t	1,2-Dichlorobenzene	1.593	1.621	-1.8	92	0.00	3.63
18	t	Acetophenone	2.214	2.491	-12.5	110	0.00	3.86
19	t	2-Methylphenol	1.297	1.319	-1.7	89	0.00	3.73
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.454	-1.6	92	0.00	3.73
21	t	3&4-Methylphenol	1.392	1.401	-0.6	89	0.00	3.89
22	t	n-Nitroso-di-n-propylamin	0.976	1.109	-13.6	100	0.00	3.86
23	t	Hexachloroethane	0.525	0.604	-15.0	101	0.00	3.96
24	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00	4.78
25	S	Nitrobenzene-d5	0.352	0.419	-19.0	105	0.00	4.02
26	t	Nitrobenzene	0.390	0.438	-12.3	99	0.00	4.03
27	t	Quinoline	0.801	0.864	-7.9	104	0.00	5.19
28	t	Isophorone	0.644	0.713	-10.7	95	0.00	4.28
29	t	2-Nitrophenol	0.182	0.218	-19.8	99	0.00	4.37
30	t	2,4-Dimethylphenol	0.304	0.413	-35.9#	113	0.00	4.45
31		Benzoic Acid	0.170	0.269	-58.2#	190	0.00	4.59
32	t	bis(2-Chloroethoxy)methan	0.391	0.374	4.3	86	0.00	4.53
33	t	2,4-Dichlorophenol	0.279	0.319	-14.3	99	0.00	4.65
34		2,6-Dichlorophenol	0.274	0.316	-15.3	100	0.00	4.90
35	t	1,3,5-Trichlorobenzene	0.389	0.425	-9.3	108	0.00	4.38
36	t	1,2,4-Trichlorobenzene	0.332	0.349	-5.1	93	0.00	4.73
37	t	1,2,3-Trichlorobenzene	0.368	0.409	-11.1	109	0.00	4.98
38	t	Naphthalene	1.116	1.137	-1.9	92	0.00	4.81
39	t	4-Chloroaniline	0.440	0.475	-8.0	91	0.00	4.89
40	t	2,3-Dichloroaniline	0.382	0.457	-19.6	115	0.00	5.94
41	t	Caprolactam	0.186	0.220	-18.3	111	0.00	5.28

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4607-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92743.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.218	-21.1#	108	0.00	4.96
43	t	4-Chloro-3-methylphenol	0.296	0.346	-16.9	101	0.00	5.50
44	t	2-Methylnaphthalene	0.606	0.668	-10.2	97	0.00	5.60
45	t	1-Methylnaphthalene	0.668	0.742	-11.1	107	0.00	5.71
46	t	Dimethylnaphthalene	0.676	0.780	-15.4	110	0.00	6.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00	6.83
48	t	Hexachlorocyclopentadiene	0.316	0.337	-6.6	97	0.00	5.79
49	t	2,4,6-Trichlorophenol	0.347	0.391	-12.7	104	0.00	5.96
50	t	2,4,5-Trichlorophenol	0.368	0.404	-9.8	100	0.00	6.01
51	S	2-Fluorobiphenyl	1.268	1.279	-0.9	96	0.00	6.05
52	t	2-Chloronaphthalene	1.190	1.200	-0.8	95	0.00	6.17
53	t	Biphenyl	1.692	1.814	-7.2	111	0.00	6.16
54	t	2-Nitroaniline	0.326	0.448	-37.4#	122	0.00	6.32
55	t	Dimethylphthalate	1.271	1.317	-3.6	100	0.00	6.55
56	t	Acenaphthylene	1.869	1.960	-4.9	97	0.00	6.65
57	t	2,6-Dinitrotoluene	0.260	0.292	-12.3	97	0.00	6.61
58	t	3-Nitroaniline	0.329	0.359	-9.1	98	0.00	6.81
59	t	Acenaphthene	1.183	1.210	-2.3	99	0.00	6.86
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	44.932	10.1	95	0.00	6.95
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.250	-67.8#	160	0.00	7.10
62	t	Dibenzofuran	1.641	1.695	-3.3	99	0.00	7.08
63	t	2,4-Dinitrotoluene	0.355	0.423	-19.2	103	0.00	7.10
64		2,3,4,6-Tetrachlorophenol	0.298	0.347	-16.4	108	0.00	7.25
65	t	Diethylphthalate	1.237	1.468	-18.7	112	0.00	7.40
66	t	Fluorene	1.283	1.392	-8.5	102	0.00	7.48
67	t	4-Chlorophenyl-phenylethe	0.601	0.604	-0.5	96	0.00	7.50
68	t	4-Nitroaniline	0.330	0.357	-8.2	95	0.00	7.55
69	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00	8.61
70	t	4,6-Dinitro-2-methylpheno	0.128	0.129	-0.8	103	0.00	7.59
71	t	n-Nitrosodiphenylamine	0.507	0.545	-7.5	99	0.00	7.65
72	t	1,2-Diphenylhydrazine	0.788	0.935	-18.7	108	0.00	7.69
73	S	2,4,6-Tribromophenol	0.098	0.121	-23.5#	106	0.00	7.78
74	t	4-Bromophenyl-phenylether	0.205	0.220	-7.3	102	0.00	8.09
75	t	Hexachlorobenzene	0.245	0.257	-4.9	98	0.00	8.15
76	t	Pentachlorophenol	0.125	0.144	-15.2	102	0.00	8.41
77	t	Phenanthrene	1.163	1.163	0.0	96	0.00	8.64
78	t	Anthracene	1.128	1.201	-6.5	97	0.00	8.70
79	t	Carbazole	1.168	1.255	-7.4	109	0.00	8.93
80	t	Di-n-butylphthalate	1.147	1.423	-24.1#	111	0.00	9.43
81	t	Fluoranthene	1.133	1.215	-7.2	98	0.00	10.20
82	t	Octadecane	0.549	0.671	-22.2#	114	0.00	8.55
83	I	Chrysene-d12	1.000	1.000	0.0	88	0.00	12.29
84	t	Pyrene	1.220	1.360	-11.5	94	0.00	10.51
85		Butyl stearate	0.329	0.399	-21.3#	93	0.00	11.69
86	S	Terphenyl-d14	0.804	0.874	-8.7	92	0.00	10.78
87	t	Butylbenzylphthalate	0.492	0.682	-38.6#	115	0.00	11.54
88	t	Benzo[a]anthracene	1.100	1.193	-8.5	93	0.00	12.27
89	t	3,3'-Dichlorobenzidine	0.362	0.447	-23.5#	96	0.00	12.29
90	t	Chrysene	1.092	1.059	3.0	83	0.00	12.33
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.854	-27.8#	104	0.00	12.45
92	I	Perylene-d12	1.000	1.000	0.0	76	0.00	14.33

8.7.86

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4607-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92743.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	34.775	-39.1#	111	0.00	13.40

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.411	-18.4	85	0.00	13.82
95	t	Benzo[k]fluoranthene	1.231	1.303	-5.8	80	0.00	13.86
96	t	Benzo[a]pyrene	1.059	1.189	-12.3	82	0.00	14.25
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.068	-4.6	77	0.00	15.70
98	t	Dibenz(a,h)acridine	0.995	1.097	-10.3	88	0.00	15.40
99	t	Dibenz[a,h]anthracene	1.077	1.035	3.9	70	0.00	15.73
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.743	-60.1#	102	0.00	13.82
101	t	Benzo[g,h,i]perylene	1.064	1.004	5.6	70	0.00	16.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Thu Jun 19 15:15:51 2014 RTE

8.7.86

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4607-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92744.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4607\z92744.D Vial: 3
Acq On : 18 Jun 2014 10:28 pm Operator: andrews1
Sample : cc4571-25 Inst : MSZ
Misc : op75490,ez4607 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 19 15:13:56 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	109	0.00	3.46
103	Benzaldehyde	0.939	0.951	-1.3	101	0.00	3.06
104	Phenanthrene-d10a	1.000	1.000	0.0	117	0.00	8.61
		True	Calc.	% Drift			
105	Atrazine	25.000	26.473	-5.9	128	0.00	8.33
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	116	0.00	12.29
107	Benzidine	0.411	0.549	-33.6#	126	0.00	10.43
108	Acenaphthene-d10a	1.000	1.000	0.0	118	0.00	6.83
109	1,2,4,5-Tetrachlorobenzen	0.483	0.528	-9.3	116	0.00	5.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Thu Jun 19 15:15:54 2014 RTE

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4609-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92778.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4609\z92778.D Vial: 2
Acq On : 19 Jun 2014 7:21 pm Operator: ashleyv
Sample : cc4569-25 Inst : MSZ
Misc : op75490,ez4609 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri Jun 20 13:53:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	3.43
2		1,4-Dioxane	0.685	0.385	43.8#	56	-0.08	1.48
3	t	Pyridine	1.774	1.040	41.4#	58	-0.08	1.64
4	t	N-Nitrosodimethylamine	0.959	0.622	35.1#	59	-0.08	1.61
5	S	2-Fluorophenol	1.367	1.167	14.6	75	-0.10	2.38
6	t	Indene	2.709	2.314	14.6	83	-0.11	3.68
7	t	Cumene	3.831	3.239	15.5	83	-0.10	2.74
8	S	Phenol-d5	1.722	1.519	11.8	79	-0.11	3.12
9	t	Phenol	1.932	1.702	11.9	81	-0.11	3.13
10	t	Aniline	2.099	2.011	4.2	82	-0.10	3.13
11	t	bis(2-Chloroethyl)ether	1.354	1.096	19.1	74	-0.10	3.18
12	t	2-Chlorophenol	1.540	1.372	10.9	80	-0.11	3.25
13	t	Decane	1.832	1.759	4.0	95	-0.10	3.27
14	t	1,3-Dichlorobenzene	1.659	1.539	7.2	83	-0.11	3.38
15	t	1,4-Dichlorobenzene	1.699	1.585	6.7	85	-0.11	3.44
16	t	Benzyl alcohol	0.928	0.876	5.6	83	-0.11	3.57
17	t	1,2-Dichlorobenzene	1.593	1.516	4.8	86	-0.11	3.59
18	t	Acetophenone	2.214	2.000	9.7	89	-0.11	3.83
19	t	2-Methylphenol	1.297	1.223	5.7	83	-0.11	3.70
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.425	4.9	86	-0.11	3.70
21	t	3&4-Methylphenol	1.392	1.280	8.0	82	-0.11	3.86
22	t	n-Nitroso-di-n-propylamin	0.976	0.993	-1.7	90	-0.11	3.83
23	t	Hexachloroethane	0.525	0.540	-2.9	90	-0.11	3.93
24	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00	4.75
25	S	Nitrobenzene-d5	0.352	0.387	-9.9	97	-0.11	3.98
26	t	Nitrobenzene	0.390	0.388	0.5	87	-0.11	4.00
27	t	Quinoline	0.801	0.695	13.2	84	-0.12	5.16
28	t	Isophorone	0.644	0.649	-0.8	86	-0.11	4.25
29	t	2-Nitrophenol	0.182	0.198	-8.8	90	-0.11	4.34
30	t	2,4-Dimethylphenol	0.304	0.366	-20.4#	100	-0.12	4.42
31		Benzoic Acid	0.170	0.277	-62.9#	196	-0.13	4.56
32	t	bis(2-Chloroethoxy)methan	0.391	0.349	10.7	80	-0.11	4.50
33	t	2,4-Dichlorophenol	0.279	0.292	-4.7	91	-0.12	4.62
34		2,6-Dichlorophenol	0.274	0.285	-4.0	91	-0.12	4.86
35	t	1,3,5-Trichlorobenzene	0.389	0.340	12.6	86	-0.11	4.35
36	t	1,2,4-Trichlorobenzene	0.332	0.330	0.6	87	-0.12	4.69
37	t	1,2,3-Trichlorobenzene	0.368	0.326	11.4	87	-0.12	4.95
38	t	Naphthalene	1.116	1.026	8.1	83	-0.12	4.77
39	t	4-Chloroaniline	0.440	0.439	0.2	84	-0.12	4.86
40	t	2,3-Dichloroaniline	0.382	0.366	4.2	92	-0.12	5.91
41	t	Caprolactam	0.186	0.177	4.8	90	-0.14	5.24

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4609-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92778.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.201	-11.7	99	-0.11	4.93
43	t	4-Chloro-3-methylphenol	0.296	0.311	-5.1	91	-0.12	5.46
44	t	2-Methylnaphthalene	0.606	0.597	1.5	87	-0.12	5.57
45	t	1-Methylnaphthalene	0.668	0.603	9.7	87	-0.12	5.68
46	t	Dimethylnaphthalene	0.676	0.622	8.0	88	-0.12	6.31
47	I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00	6.79
48	t	Hexachlorocyclopentadiene	0.316	0.255	19.3	72	-0.12	5.76
49	t	2,4,6-Trichlorophenol	0.347	0.352	-1.4	93	-0.12	5.93
50	t	2,4,5-Trichlorophenol	0.368	0.388	-5.4	95	-0.12	5.98
51	S	2-Fluorobiphenyl	1.268	1.212	4.4	90	-0.12	6.01
52	t	2-Chloronaphthalene	1.190	1.104	7.2	87	-0.12	6.14
53	t	Biphenyl	1.692	1.491	11.9	90	-0.12	6.13
54	t	2-Nitroaniline	0.326	0.413	-26.7#	111	-0.12	6.29
55	t	Dimethylphthalate	1.271	1.244	2.1	94	-0.12	6.52
56	t	Acenaphthylene	1.869	1.818	2.7	89	-0.12	6.62
57	t	2,6-Dinitrotoluene	0.260	0.285	-9.6	94	-0.12	6.58
58	t	3-Nitroaniline	0.329	0.333	-1.2	90	-0.12	6.78
59	t	Acenaphthene	1.183	1.109	6.3	90	-0.13	6.83
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	45.602	8.8	96	-0.12	6.92
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.224	-50.3#	142	-0.12	7.07
62	t	Dibenzofuran	1.641	1.561	4.9	90	-0.12	7.04
63	t	2,4-Dinitrotoluene	0.355	0.401	-13.0	96	-0.12	7.07
64		2,3,4,6-Tetrachlorophenol	0.298	0.316	-6.0	97	-0.12	7.22
65	t	Diethylphthalate	1.237	1.375	-11.2	104	-0.12	7.37
66	t	Fluorene	1.283	1.286	-0.2	93	-0.13	7.45
67	t	4-Chlorophenyl-phenylethe	0.601	0.566	5.8	89	-0.12	7.47
68	t	4-Nitroaniline	0.330	0.341	-3.3	90	-0.13	7.51
69	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00	8.57
70	t	4,6-Dinitro-2-methylpheno	0.128	0.121	5.5	99	-0.13	7.56
71	t	n-Nitrosodiphenylamine	0.507	0.496	2.2	92	-0.12	7.62
72	t	1,2-Diphenylhydrazine	0.788	0.818	-3.8	96	-0.12	7.66
73	S	2,4,6-Tribromophenol	0.098	0.112	-14.3	100	-0.13	7.75
74	t	4-Bromophenyl-phenylether	0.205	0.204	0.5	96	-0.12	8.05
75	t	Hexachlorobenzene	0.245	0.237	3.3	91	-0.13	8.12
76	t	Pentachlorophenol	0.125	0.137	-9.6	99	-0.13	8.38
77	t	Phenanthrene	1.163	1.089	6.4	91	-0.13	8.60
78	t	Anthracene	1.128	1.100	2.5	90	-0.14	8.66
79	t	Carbazole	1.168	1.011	13.4	89	-0.14	8.89
80	t	Di-n-butylphthalate	1.147	1.338	-16.7	106	-0.13	9.39
81	t	Fluoranthene	1.133	1.125	0.7	92	-0.15	10.16
82	t	Octadecane	0.549	0.525	4.4	91	-0.12	8.52
83	I	Chrysene-d12	1.000	1.000	0.0	93	0.00	12.25
84	t	Pyrene	1.220	1.217	0.2	90	-0.15	10.46
85		Butyl stearate	0.329	0.532	-61.7#	133	-0.14	11.65
86	S	Terphenyl-d14	0.804	0.800	0.5	90	-0.15	10.74
87	t	Butylbenzylphthalate	0.492	0.609	-23.8#	110	-0.14	11.50
88	t	Benzo[a]anthracene	1.100	1.071	2.6	89	-0.16	12.24
89	t	3,3'-Dichlorobenzidine	0.362	0.411	-13.5	94	-0.16	12.24
90	t	Chrysene	1.092	0.950	13.0	80	-0.17	12.29
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.786	-17.7	103	-0.14	12.41
92	I	Perylene-d12	1.000	1.000	0.0	79	0.00	14.29

8.7.88

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4609-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92778.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	33.090	-32.4#	109	-0.15	13.36

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.309	-9.8	82	-0.18	13.78
95	t	Benzo[k]fluoranthene	1.231	1.142	7.2	73	-0.18	13.82
96	t	Benzo[a]pyrene	1.059	1.083	-2.3	78	-0.18	14.21
97	t	Indeno[1,2,3-cd]pyrene	1.021	0.919	10.0	69	-0.21	15.65
98	t	Dibenz(a,h)acridine	0.995	0.826	17.0	69	-0.20	15.35
99	t	Dibenz[a,h]anthracene	1.077	0.875	18.8	62	-0.21	15.68
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.600	-29.3#	86	-0.17	13.78
101	t	Benzo[g,h,i]perylene	1.064	0.853	19.8	62	-0.24	16.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Fri Jun 20 13:55:15 2014 RTE

8.7.88

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4609-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92779.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4609\z92779.D Vial: 3
Acq On : 19 Jun 2014 7:49 pm Operator: ashleyv
Sample : cc4571-25 Inst : MSZ
Misc : op75490,ez4609 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri Jun 20 13:53:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	0.00	3.43
103	Benzaldehyde	0.939	0.971	-3.4	99	0.00	3.04
104	Phenanthrene-d10a	1.000	1.000	0.0	120	0.00	8.57
		True	Calc.	% Drift			
105	Atrazine	25.000	25.865	-3.5	129	0.00	8.29
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	123	0.00	12.25
107	Benzidine	0.411	0.635	-54.5#	155	0.00	10.39
108	Acenaphthene-d10a	1.000	1.000	0.0	117	0.00	6.79
109	1,2,4,5-Tetrachlorobenzen	0.483	0.524	-8.5	115	0.00	5.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Fri Jun 20 13:55:17 2014 RTE

8.7.89

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4614-ICC4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\msdchem\1\METHODS\MZ4615eph.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Calibration Files
100 =z92843a.D 80 =z92844.D 50 =z92845.D 25 =z92846.D
10 =z92847.D 5 =z92848.D 2 =z92849.D 1 =z92850.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.035	1.103	0.983	0.960	1.056	0.983	1.576	1.198	1.112	18.25
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.105	0.105	0.104	0.104	0.111	0.099	0.129	0.109	0.108	8.61
106) o-terphenyl	0.610	0.595	0.574	0.555	0.613	0.566	0.780	0.589	0.610	11.73
107) Chrysene-d12a	ISTD									
108) Benzidine	0.612	0.511	0.675	0.681	0.778	0.652	0.720	0.571	0.650	13.01
109) 1-chlorooctа	0.309	0.241	0.308	0.291	0.335	0.308	0.397	0.324	0.314	13.94
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.565	0.528	0.536	0.540	0.612	0.556	0.770	0.618	0.591	13.54
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.329	0.356	0.315	0.293	0.291	0.215			0.300	16.04

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

MZ4615eph.M Fri Jun 27 12:55:10 2014 RTE

8.7.90

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4614-ICV4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92853.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4614\z92853.D Vial: 21
Acq On : 23 Jun 2014 6:30 pm Operator: ashleyv
Sample : icv4614-50 Inst : MSZ
Misc : op75490,ez4614 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	115	0.02	3.36
103	Benzaldehyde	1.112	1.025	7.8	120	0.00	2.97
104	Phenanthrene-d10a	1.000	1.000	0.0	104	0.02	8.50
105	Atrazine	0.108	0.105	2.8	105	0.01	8.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 15:48:24 2014 RTE

8.7.91

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4614-ICV4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92855.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4614\z92855.D           Vial: 23
  Acq On    : 23 Jun 2014   7:21 pm                   Operator: ashleyv
  Sample    : icv4614-50                              Inst    : MSZ
  Misc      : op75490,ez4614                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Wed Jun 25 15:21:47 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	224#	0.03	12.16
108	Benzidine	0.650	0.620	4.6	206#	0.00	10.31

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z92845.D   MZ4615.M         Wed Jun 25 15:48:26 2014   RTE
```

8.7.92

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4614-ICV4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92856.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4614\z92856.D Vial: 24
Acq On : 23 Jun 2014 7:47 pm Operator: ashleyv
Sample : icv4614-50 Inst : MSZ
Misc : op75490,ez4614 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	91	0.02	4.68
113	Hydroquinone	0.300	0.378	-26.0	110	-0.04	5.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 15:48:28 2014 RTE

8.7.93

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4615-ICC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92862.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\msdchem\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Calibration Files
100 =z92863.D 80 =z92869.D 50 =z92862.D 25 =z92868.D
10 =z92867.D 5 =z92866.D 2 =z92865.D 1 =z92864.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.266	0.317	0.256	0.311	0.254	0.262	0.113	0.235	0.252	24.93
3) Pyridine	0.836	0.942	0.774	0.836	0.838	0.826	0.819	0.773	0.830	6.30
4) N-Nitrosodim	0.474	0.541	0.455	0.491	0.506	0.481	0.471	0.413	0.479	7.80
5) 2-Fluorophen	1.174	1.152	1.090	1.013	0.988	0.984	0.899	0.844	1.018	11.40
6) Indene	2.429	2.381	2.364	2.214	2.251	2.281	2.306	2.080	2.288	4.82
7) Cumene	3.397	3.371	3.223	3.100	3.026	3.081	2.952	2.981	3.141	5.45
8) Phenol-d5	1.663	1.647	1.538	1.437	1.372	1.380	1.303	1.177	1.440	11.68
9) Phenol	1.919	1.894	1.785	1.615	1.575	1.547	1.519	1.510	1.670	10.15
10) Aniline	1.827	1.811	1.772	1.702	1.759	1.785	1.752	1.743	1.769	2.24
11) bis(2-Chloro	1.111	1.091	1.093	1.070	1.029	1.152	1.101	1.050	1.087	3.49
12) 2-Chlorophen	1.482	1.450	1.391	1.324	1.301	1.346	1.287	1.211	1.349	6.59
13) Decane	1.483	1.500	1.456	1.566	1.475	1.543	1.476	1.554	1.507	2.77
14) 1,3-Dichloro	1.654	1.605	1.612	1.529	1.493	1.534	1.489	1.405	1.540	5.24
15) 1,4-Dichloro	1.697	1.668	1.663	1.548	1.547	1.558	1.521	1.600	1.600	4.20
16) Benzyl alcoh	1.022	1.021	0.975	0.869	0.817	0.897	0.823	0.770	0.899	10.79
17) 1,2-Dichloro	1.626	1.607	1.561	1.460	1.464	1.476	1.488	1.408	1.511	5.13
18) Acetophenone	2.156	2.194	2.119	2.022	1.970	1.987	1.964	1.712	2.015	7.50
19) 2-Methylphen	1.296	1.278	1.252	1.158	1.145	1.230	1.059	1.087	1.188	7.48
20) 2,2'-oxybis(	0.457	0.448	0.437	0.441	0.415	0.436	0.433	0.475	0.443	4.05
21) 3&4-Methylph	1.378	1.359	1.351	1.259	1.229	1.298	1.117	1.119	1.264	8.17
22) n-Nitroso-di	1.057	1.082	1.048	0.994	1.000	1.033	0.982	0.948	1.018	4.37
23) Hexachloroet	0.596	0.575	0.576	0.565	0.574	0.573	0.511	0.618	0.573	5.29
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.379	0.376	0.375	0.370	0.351	0.353	0.360	0.357	0.365	3.02
26) Nitrobenzene	0.402	0.390	0.386	0.388	0.366	0.353	0.380	0.396	0.383	4.23
27) Quinoline	0.745	0.742	0.733	0.709	0.687	0.700	0.677	0.650	0.705	4.78
28) Isophorone	0.652	0.658	0.657	0.639	0.617	0.635	0.611	0.595	0.633	3.66
29) 2-Nitropheno	0.218	0.213	0.206	0.197	0.183	0.177	0.170	0.157	0.190	11.39
30) 2,4-Dimethyl	0.380	0.370	0.351	0.334	0.325	0.310	0.300	0.300	0.334	9.22
31) Benzoic Acid	0.302	0.310	0.307	0.281	0.247	0.245	0.239	0.225	0.269	12.71
32) bis(2-Chloro	0.348	0.341	0.345	0.342	0.323	0.324	0.349	0.291	0.333	5.98
33) 2,4-Dichloro	0.318	0.309	0.302	0.288	0.281	0.266	0.271	0.252	0.286	7.93
34) 2,6-Dichloro	0.328	0.317	0.305	0.292	0.274	0.284	0.254	0.262	0.289	9.04
35) 1,3,5-Trichl	0.392	0.379	0.371	0.352	0.334	0.333	0.333	0.318	0.352	7.45
36) 1,2,4-Trichl	0.359	0.347	0.344	0.329	0.313	0.322	0.332	0.307	0.332	5.32
37) 1,2,3-Trichl	0.372	0.356	0.350	0.336	0.327	0.328	0.311	0.282	0.333	8.43
38) Naphthalene	1.103	1.086	1.058	1.015	0.971	1.004	1.006	1.004	1.031	4.47
39) 4-Chloroanil	0.470	0.467	0.456	0.432	0.420	0.425	0.436	0.381	0.436	6.63
40) 2,3-Dichloro	0.409	0.402	0.396	0.379	0.364	0.380	0.369	0.355	0.382	5.02
41) Caprolactam	0.145	0.173	0.171	0.182	0.175	0.184	0.188	0.195	0.177	8.51
42) Hexachlorobu	0.227	0.224	0.215	0.212	0.200	0.212	0.212	0.195	0.212	5.08
43) 4-Chloro-3-m	0.342	0.349	0.345	0.328	0.322	0.328	0.311	0.275	0.325	7.38
44) 2-Methylnaph	0.667	0.662	0.636	0.615	0.596	0.593	0.617	0.571	0.620	5.45
45) 1-Methylnaph	0.674	0.647	0.640	0.618	0.596	0.588	0.659	0.590	0.626	5.32

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4615-ICC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92862.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
46) Dimethylnaph 0.721 0.712 0.689 0.651 0.652 0.630 0.666 0.590 0.664   6.51

47) I   Acenaphthene-d10      ----------------ISTD--------------------
48) Hexachlorocy 0.352 0.327 0.304 0.231 0.167 0.118             0.250  37.61
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.05058 + 0.26660 *A + 0.01908 *A^2

49) 2,4,6-Trichl 0.377 0.354 0.357 0.343 0.324 0.306 0.325 0.283 0.334   9.11
50) 2,4,5-Trichl 0.403 0.386 0.395 0.365 0.348 0.365 0.357 0.320 0.367   7.36
51) 2-Fluorobiph 1.278 1.206 1.207 1.176 1.149 1.150 1.153 1.082 1.175   4.88
52) 2-Chloronaph 1.210 1.160 1.133 1.079 1.027 1.074 1.033 0.957 1.084   7.50
53) Biphenyl     1.629 1.552 1.487 1.420 1.379 1.387 1.288 1.319 1.433   8.12
54) 2-Nitroanili 0.408 0.390 0.392 0.387 0.393 0.374 0.388 0.334 0.383   5.73
55) Dimethylphth 1.265 1.242 1.257 1.241 1.245 1.290 1.235 1.207 1.248   1.92
56) Acenaphthyle 1.871 1.790 1.789 1.726 1.703 1.739 1.751 1.609 1.747   4.35
57) 2,6-Dinitrot 0.281 0.277 0.282 0.278 0.267 0.262 0.238 0.255 0.267   5.79
58) 3-Nitroanili 0.300 0.341 0.353 0.319 0.319 0.334 0.293 0.311 0.321   6.30
59) Acenaphthene 1.146 1.102 1.113 1.047 1.026 1.068 1.075 1.076 1.082   3.51
60) 2,4-Dinitrop 0.175 0.186 0.182 0.144 0.102 0.084             0.145  30.01
           ----- Linear regression -----  Coefficient =  0.9958
              Response Ratio = -0.03332 + 0.18699 *A

61) 4-Nitropheno 0.253 0.252 0.246 0.249 0.228 0.213 0.168 0.210 0.227  13.07
62) Dibenzofuran 1.655 1.575 1.606 1.526 1.506 1.516 1.485 1.397 1.533   5.15
63) 2,4-Dinitrot 0.350 0.400 0.425 0.407 0.378 0.383 0.347 0.340 0.379   8.18
64) 2,3,4,6-Tetr 0.344 0.326 0.337 0.309 0.291 0.296 0.291 0.291 0.311   7.08
65) Diethylphtha 1.259 1.428 1.422 1.389 1.353 1.407 1.368 1.201 1.353   6.03
66) Fluorene     1.384 1.339 1.331 1.234 1.225 1.209 1.201 1.133 1.257   6.76
67) 4-Chlorophen 0.636 0.604 0.598 0.548 0.570 0.555 0.499 0.546 0.569   7.47
68) 4-Nitroanili 0.272 0.330 0.344 0.325 0.315 0.318 0.286 0.310 0.313   7.55

69) I   Phenanthrene-d10      ----------------ISTD--------------------
70) 4,6-Dinitro- 0.142 0.149 0.148 0.122 0.102                   0.132  15.13
71) n-Nitrosodip 0.527 0.526 0.516 0.473 0.450 0.460 0.458 0.451 0.483   7.13
72) 1,2-Diphenyl 0.869 0.835 0.816 0.765 0.737 0.727 0.714 0.645 0.764   9.59
73) 2,4,6-Tribro 0.132 0.129 0.126 0.113 0.110 0.096 0.092 0.094 0.112  14.66
74) 4-Bromopheny 0.242 0.228 0.224 0.205 0.188 0.187 0.182 0.176 0.204  12.02
75) Hexachlorobe 0.274 0.278 0.268 0.245 0.237 0.240 0.260 0.237 0.255   6.69
76) Pentachlorop 0.170 0.169 0.159 0.133 0.114 0.101             0.141  20.94
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.02223 + 0.15742 *A + 0.00362 *A^2

77) Phenanthrene 1.187 1.178 1.150 1.062 1.008 1.024 1.044 1.092 1.093   6.43
78) Anthracene   1.184 1.167 1.146 1.062 1.004 1.027 1.028 1.068 1.086   6.43
79) Carbazole    1.042 1.097 1.079 1.008 0.951 0.933 0.970 1.045 1.015   5.93
80) Di-n-butylph 1.494 1.494 1.446 1.364 1.238 1.224 1.211 1.216 1.336   9.59
81) Fluoranthene 1.282 1.341 1.269 1.198 1.112 1.113 1.131 1.100 1.193   7.85
82) Octadecane   0.563 0.495 0.486 0.470 0.439 0.430 0.420 0.412 0.464  10.81

83) I   Chrysene-d12          ----------------ISTD--------------------
84) Pyrene       1.108 1.093 1.153 1.148 1.116 1.118 1.135 1.168 1.130   2.26
85) Butyl steara 0.457 0.407 0.422 0.440 0.436 0.438 0.441 0.358 0.425   7.27
86) Terphenyl-d1 0.756 0.741 0.781 0.779 0.753 0.733 0.761 0.787 0.761   2.57
87) Butylbenzylp 0.611 0.531 0.567 0.586 0.565 0.564 0.528 0.519 0.559   5.61
88) Benzo[a]anth 1.171 0.990 1.054 1.056 1.055 1.061 1.102 1.188 1.085   6.09
89) 3,3'-Dichlor 0.434 0.425 0.436 0.425 0.408 0.410 0.406 0.404 0.419   3.12
90) Chrysene     0.875 0.838 0.894 0.903 0.912 0.926 0.948 0.974 0.909   4.65
91) bis(2-Ethylh 0.739 0.650 0.691 0.730 0.701 0.694 0.682 0.670 0.695   4.21

92) I   Perylene-d12          ----------------ISTD--------------------
```

8.7.94

8

Initial Calibration Summary

Job Number: JB69123 **Sample:** EZ4615-ICC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92862.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 93) Di-n-octylph 2.219 1.874 1.778 1.575 1.455 1.420 1.353 1.251 1.616  19.92
 94) Benzo[b]fluo       1.597 1.505 1.274 1.214 1.161 1.161 1.097 1.287  14.78
 95) Benzo[k]fluo 1.388 1.303 1.232 1.147 1.067 1.095 1.077 0.978 1.161  11.76
 96) Benzo[a]pyre 1.299 1.199 1.149 1.067 1.014 0.979 0.991 0.936 1.079  11.62
 97) Indeno[1,2,3 1.379 1.299 1.184 1.172 1.081 1.040 1.014 0.920 1.136  13.43
 98) Dibenz(a,h)a 1.101 1.004 0.922 0.882 0.813 0.771 0.745 0.693 0.866  15.99
 99) Dibenz[a,h]a 1.102 1.061 0.936 0.947 0.858 0.839 0.716 0.736 0.899  15.52
100) 7,12-Dimethy 0.811 0.735 0.685 0.573 0.495 0.475             0.629  21.58
             ----- Linear regression -----  Coefficient =  0.9931
               Response Ratio = -0.10434 + 0.81777 *A

101) Benzo[g,h,i] 0.998 0.933 0.873 0.885 0.840 0.846 0.839 0.771 0.873   7.85
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ4615.M          Wed Jun 25 15:22:35 2014   RTE
```

8.7.94

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92870.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92870.D Vial: 12
Acq On : 24 Jun 2014 3:28 pm Operator: ashleyv
Sample : icv4615-50 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00	3.34
3	t	Pyridine	0.830	0.844	-1.7	129	0.01	1.57
4	t	N-Nitrosodimethylamine	0.479	0.518	-8.1	135	0.00	1.54
11	t	bis(2-Chloroethyl)ether	1.087	1.065	2.0	115	-0.01	3.09
14	t	1,3-Dichlorobenzene	1.540	1.462	5.1	107	0.00	3.29
15	t	1,4-Dichlorobenzene	1.600	1.501	6.2	107	0.00	3.36
16	t	Benzyl alcohol	0.899	0.838	6.8	102	0.00	3.49
17	t	1,2-Dichlorobenzene	1.511	1.434	5.1	109	0.00	3.50
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.399	9.9	108	0.00	3.60
22	t	n-Nitroso-di-n-propylamin	1.018	0.905	11.1	102	-0.01	3.74
23	t	Hexachloroethane	0.573	0.542	5.4	111	0.00	3.83
24	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	4.66
26	t	Nitrobenzene	0.383	0.373	2.6	106	0.00	3.91
28	t	Isophorone	0.633	0.605	4.4	101	-0.01	4.16
32	t	bis(2-Chloroethoxy)methan	0.333	0.343	-3.0	109	0.00	4.41
36	t	1,2,4-Trichlorobenzene	0.332	0.333	-0.3	106	0.00	4.60
38	t	Naphthalene	1.031	1.017	1.4	105	0.00	4.68
42	t	Hexachlorobutadiene	0.212	0.205	3.3	104	0.00	4.83
44	t	2-Methylnaphthalene	0.620	0.581	6.3	100	0.00	5.47
47	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00	6.70
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	93.884	6.2	74	0.00	5.67
		----------	AvgRF	CCRF	% Dev	----------		
52	t	2-Chloronaphthalene	1.084	1.080	0.4	94	0.00	6.04
54	t	2-Nitroaniline	0.383	0.373	2.6	94	0.00	6.19
55	t	Dimethylphthalate	1.248	1.252	-0.3	98	0.00	6.43
56	t	Acenaphthylene	1.747	1.495	14.4	82	0.00	6.53
57	t	2,6-Dinitrotoluene	0.267	0.256	4.1	89	0.00	6.49
58	t	3-Nitroaniline	0.321	0.292	9.0	81	0.00	6.69
59	t	Acenaphthene	1.082	1.108	-2.4	98	0.00	6.73
62	t	Dibenzofuran	1.533	1.510	1.5	93	0.00	6.95
63	t	2,4-Dinitrotoluene	0.379	0.341	10.0	79	0.00	6.97
65	t	Diethylphthalate	1.353	1.342	0.8	93	-0.01	7.27
66	t	Fluorene	1.257	1.263	-0.5	94	0.00	7.35
67	t	4-Chlorophenyl-phenylethe	0.569	0.574	-0.9	95	0.00	7.38
68	t	4-Nitroaniline	0.313	0.292	6.7	84	-0.02	7.43
69	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00	8.47
71	t	n-Nitrosodiphenylamine	0.483	0.483	0.0	89	0.00	7.53

8.7.95

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92870.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

72	t	1,2-Diphenylhydrazine	0.764	0.762	0.3	89	0.00	7.56
74	t	4-Bromophenyl-phenylether	0.204	0.209	-2.5	89	0.00	7.96
75	t	Hexachlorobenzene	0.255	0.236	7.5	84	0.00	8.02
77	t	Phenanthrene	1.093	1.059	3.1	88	0.00	8.50
78	t	Anthracene	1.086	1.058	2.6	88	0.00	8.57
79	t	Carbazole	1.015	0.936	7.8	83	0.00	8.80
80	t	Di-n-butylphthalate	1.336	1.241	7.1	82	0.00	9.29
81	t	Fluoranthene	1.193	1.068	10.5	80	0.00	10.05
83	I	Chrysene-d12	1.000	1.000	0.0	85	0.00	12.13
84	t	Pyrene	1.130	1.026	9.2	76	0.00	10.36
87	t	Butylbenzylphthalate	0.559	0.507	9.3	76	0.00	11.39
88	t	Benzo[a]anthracene	1.085	0.947	12.7	76	0.00	12.12
89	t	3,3'-Dichlorobenzidine	0.419	0.598	-42.7#	116	0.00	12.14
90	t	Chrysene	0.909	0.822	9.6	78	-0.01	12.17
91	t	bis(2-Ethylhexyl)phthalat	0.695	0.610	12.2	75	0.00	12.30
92	I	Perylene-d12	1.000	1.000	0.0	75	0.00	14.17
93	t	Di-n-octylphthalate	1.616	1.514	6.3	64	0.00	13.25
94	t	Benzo[b]fluoranthene	1.287	1.181	8.2	59	-0.02	13.66
95	t	Benzo[k]fluoranthene	1.161	1.115	4.0	68	-0.02	13.70
96	t	Benzo[a]pyrene	1.079	1.116	-3.4	73	-0.01	14.09
97	t	Indeno[1,2,3-cd]pyrene	1.136	1.347	-18.6	86	-0.01	15.51
99	t	Dibenz[a,h]anthracene	0.899	1.072	-19.2	86	-0.02	15.54
101	t	Benzo[g,h,i]perylene	0.873	1.031	-18.1	89	-0.02	15.86

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 15:28:24 2014 RTE

8.7.95

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92871A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92871a.D Vial: 13
Acq On : 24 Jun 2014 3:56 pm Operator: ashleyv
Sample : icv4615-50 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 09:02:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	3.34
9	t	Phenol	1.670	1.505	9.9	65	0.00	3.04
12	t	2-Chlorophenol	1.349	1.383	-2.5	76	0.00	3.16
19	t	2-Methylphenol	1.188	1.173	1.3	72	0.00	3.60
21	t	3&4-Methylphenol	1.264	1.227	2.9	70	0.00	3.76
24	I	Naphthalene-d8	1.000	1.000	0.0	70	0.00	4.66
29	t	2-Nitrophenol	0.190	0.204	-7.4	69	0.00	4.25
30	t	2,4-Dimethylphenol	0.334	0.402	-20.4	80	0.00	4.33
31		Benzoic Acid	0.267	0.247	7.5	57	0.04	4.49
33	t	2,4-Dichlorophenol	0.286	0.312	-9.1	73	0.00	4.52
34		2,6-Dichlorophenol	0.289	0.308	-6.6	71	0.00	4.77
43	t	4-Chloro-3-methylphenol	0.325	0.342	-5.2	70	0.00	5.37
47	I	Acenaphthene-d10	1.000	1.000	0.0	66	0.00	6.70
49	t	2,4,6-Trichlorophenol	0.334	0.376	-12.6	69	0.00	5.83
50	t	2,4,5-Trichlorophenol	0.367	0.404	-10.1	67	0.00	5.88
61	t	4-Nitrophenol	0.228	0.233	-2.2	62	-0.01	6.97
64		2,3,4,6-Tetrachlorophenol	0.311	0.328	-5.5	64	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	67	0.00	8.47
70	t	4,6-Dinitro-2-methylpheno	0.132	0.119	9.8	54	0.00	7.46
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	96.060	3.9	60	0.00	8.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 10:54:08 2014 RTE

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92872.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92872.D Vial: 14
Acq On : 24 Jun 2014 4:23 pm Operator: ashleyv
Sample : icv4615-50 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	3.34
2		1,4-Dioxane	0.252	0.309	-22.6	121	0.01	1.42
6	t	Indene	2.288	2.331	-1.9	99	0.00	3.59
7	t	Cumene	3.141	3.176	-1.1	99	0.00	2.65
13	t	Decane	1.507	1.439	4.5	99	0.00	3.19
18	t	Acetophenone	2.015	1.913	5.1	90	0.00	3.74
24	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00	4.66
27	t	Quinoline	0.705	0.686	2.7	88	-0.02	5.06
40	t	2,3-Dichloroaniline	0.382	0.334	12.6	80	0.00	5.82
41	t	Caprolactam	0.177	0.151	14.7	83	-0.06	5.14
45	t	1-Methylnaphthalene	0.626	0.595	5.0	88	0.00	5.59
46	t	Dimethylnaphthalene	0.664	0.643	3.2	88	0.00	6.21
47	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00	6.70
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	108.082	-8.1	56	0.00	5.67
		----------	AvgRF	CCRF	% Dev	----------		
53	t	Biphenyl	1.433	1.522	-6.2	85	0.00	6.03
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	8.47
83	I	Chrysene-d12	1.000	1.000	0.0	67	-0.01	12.13
92	I	Perylene-d12	1.000	1.000	0.0	70	-0.01	14.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Fri Jun 27 13:10:40 2014 RTE

8.7.97

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92873.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92873.D Vial: 15
Acq On : 24 Jun 2014 4:49 pm Operator: ashleyv
Sample : icv4615-50 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 09:02:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	3.34
10	t	Aniline	1.769	1.945	-9.9	128	0.00	3.05
24	I	Naphthalene-d8	1.000	1.000	0.0	122	0.00	4.66
39	t	4-Chloroaniline	0.436	0.450	-3.2	120	0.00	4.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 10:54:12 2014 RTE

8.7.98

8

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92874.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92874.D Vial: 16
Acq On : 24 Jun 2014 5:16 pm Operator: ashleyv
Sample : icv4615-50 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 09:02:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	3.34
5	S	2-Fluorophenol	1.018	0.970	4.7	108	0.00	2.30
8	S	Phenol-d5	1.440	1.245	13.5	98	0.00	3.03
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	4.66
25	S	Nitrobenzene-d5	0.365	0.357	2.2	109	0.00	3.89
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.70
51	S	2-Fluorobiphenyl	1.175	1.189	-1.2	101	0.00	5.92
69	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00	8.47
73	S	2,4,6-Tribromophenol	0.112	0.103	8.0	84	0.00	7.65
83	I	Chrysene-d12	1.000	1.000	0.0	79	0.00	12.13
86	S	Terphenyl-d14	0.761	0.850	-11.7	86	0.00	10.63
92	I	Perylene-d12	1.000	1.000	0.0	93	0.00	14.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Wed Jun 25 10:54:14 2014 RTE

8.7.99

Initial Calibration Verification

Job Number: JB69123 **Sample:** EZ4615-ICV4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92878.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4615\z92878.D Vial: 20
Acq On : 24 Jun 2014 5:43 pm Operator: ashleyv
Sample : icv4615-100 Inst : MSZ
Misc : op75490,ez4615 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 09:02:03 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
47 I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00	6.70
		True	Calc.	% Drift			
60 t	2,4-Dinitrophenol	200.000	190.794	4.6	72	0.00	6.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92843a.D MZ4615.M Wed Jun 25 10:54:38 2014 RTE

8.7.100

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4620-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4620\z92975.D Vial: 2
Acq On : 27 Jun 2014 10:20 am Operator: ashleyd
Sample : cc4615-50 Inst : MSZ
Misc : op75490,ez4620,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	-0.06	3.29
2		1,4-Dioxane	0.252	0.301	-19.4	109	-0.03	1.38
3	t	Pyridine	0.830	0.814	1.9	97	-0.03	1.53
4	t	N-Nitrosodimethylamine	0.479	0.468	2.3	95	-0.03	1.50
5	S	2-Fluorophenol	1.018	1.042	-2.4	88	-0.04	2.25
6	t	Indene	2.288	2.190	4.3	86	-0.06	3.53
7	t	Cumene	3.141	3.177	-1.1	91	-0.05	2.60
8	S	Phenol-d5	1.440	1.419	1.5	85	-0.06	2.98
9	t	Phenol	1.670	1.622	2.9	84	-0.06	2.99
10	t	Aniline	1.769	1.709	3.4	89	-0.06	2.99
11	t	bis(2-Chloroethyl)ether	1.087	1.018	6.3	86	-0.06	3.05
12	t	2-Chlorophenol	1.349	1.319	2.2	88	-0.06	3.11
13	t	Decane	1.507	1.556	-3.3	99	-0.05	3.14
14	t	1,3-Dichlorobenzene	1.540	1.526	0.9	87	-0.06	3.23
15	t	1,4-Dichlorobenzene	1.600	1.605	-0.3	89	-0.06	3.30
16	t	Benzyl alcohol	0.899	0.880	2.1	83	-0.06	3.43
17	t	1,2-Dichlorobenzene	1.511	1.505	0.4	89	-0.06	3.45
18	t	Acetophenone	2.015	1.961	2.7	85	-0.06	3.69
19	t	2-Methylphenol	1.188	1.163	2.1	86	-0.06	3.56
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.410	7.4	87	-0.06	3.55
21	t	3&4-Methylphenol	1.264	1.226	3.0	84	-0.06	3.72
22	t	n-Nitroso-di-n-propylamin	1.018	0.961	5.6	85	-0.06	3.69
23	t	Hexachloroethane	0.573	0.556	3.0	89	-0.06	3.78
24	I	Naphthalene-d8	1.000	1.000	0.0	89	-0.06	4.60
25	S	Nitrobenzene-d5	0.365	0.374	-2.5	89	-0.06	3.84
26	t	Nitrobenzene	0.383	0.388	-1.3	89	-0.06	3.86
27	t	Quinoline	0.705	0.685	2.8	83	-0.07	5.01
28	t	Isophorone	0.633	0.619	2.2	84	-0.06	4.11
29	t	2-Nitrophenol	0.190	0.198	-4.2	85	-0.06	4.19
30	t	2,4-Dimethylphenol	0.334	0.344	-3.0	87	-0.06	4.28
31		Benzoic Acid	0.269	0.184	31.6#	53	-0.11	4.44
32	t	bis(2-Chloroethoxy)methan	0.333	0.323	3.0	83	-0.06	4.36
33	t	2,4-Dichlorophenol	0.286	0.288	-0.7	85	-0.06	4.47
34		2,6-Dichlorophenol	0.289	0.297	-2.8	87	-0.06	4.72
35	t	1,3,5-Trichlorobenzene	0.352	0.356	-1.1	85	-0.06	4.20
36	t	1,2,4-Trichlorobenzene	0.332	0.336	-1.2	87	-0.06	4.54
37	t	1,2,3-Trichlorobenzene	0.333	0.343	-3.0	87	-0.06	4.79
38	t	Naphthalene	1.031	1.022	0.9	86	-0.06	4.62
39	t	4-Chloroaniline	0.436	0.435	0.2	85	-0.06	4.71
40	t	2,3-Dichloroaniline	0.382	0.373	2.4	84	-0.06	5.76
41	t	Caprolactam	0.177	0.163	7.9	85	-0.08	5.12

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4620-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.212	0.217	-2.4	89	-0.06	4.78
43	t	4-Chloro-3-methylphenol	0.325	0.332	-2.2	86	-0.06	5.32
44	t	2-Methylnaphthalene	0.620	0.608	1.9	85	-0.06	5.42
45	t	1-Methylnaphthalene	0.626	0.623	0.5	87	-0.07	5.53
46	t	Dimethylnaphthalene	0.664	0.654	1.5	84	-0.06	6.16
47	I	Acenaphthene-d10	1.000	1.000	0.0	84	-0.06	6.64
			True	Calc.	% Drift			
48	t	Hexachlorocyclopentadiene	100.000	97.779	2.2	79	-0.06	5.61
			AvgRF	CCRF	% Dev			
49	t	2,4,6-Trichlorophenol	0.334	0.357	-6.9	84	-0.07	5.78
50	t	2,4,5-Trichlorophenol	0.367	0.379	-3.3	81	-0.07	5.83
51	S	2-Fluorobiphenyl	1.175	1.200	-2.1	83	-0.06	5.86
52	t	2-Chloronaphthalene	1.084	1.144	-5.5	85	-0.06	5.98
53	t	Biphenyl	1.433	1.509	-5.3	85	-0.06	5.97
54	t	2-Nitroaniline	0.383	0.402	-5.0	86	-0.06	6.14
55	t	Dimethylphthalate	1.248	1.240	0.6	83	-0.06	6.37
56	t	Acenaphthylene	1.747	1.772	-1.4	83	-0.07	6.47
57	t	2,6-Dinitrotoluene	0.267	0.274	-2.6	81	-0.07	6.43
58	t	3-Nitroaniline	0.321	0.328	-2.2	78	-0.07	6.63
59	t	Acenaphthene	1.082	1.085	-0.3	82	-0.07	6.67
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	65.878	34.1#	51	-0.07	6.77
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.227	0.226	0.4	77	-0.06	6.92
62	t	Dibenzofuran	1.533	1.528	0.3	80	-0.07	6.89
63	t	2,4-Dinitrotoluene	0.379	0.389	-2.6	77	-0.06	6.92
64		2,3,4,6-Tetrachlorophenol	0.311	0.322	-3.5	80	-0.07	7.06
65	t	Diethylphthalate	1.353	1.401	-3.5	83	-0.07	7.22
66	t	Fluorene	1.257	1.295	-3.0	82	-0.07	7.29
67	t	4-Chlorophenyl-phenylethe	0.569	0.579	-1.8	81	-0.06	7.31
68	t	4-Nitroaniline	0.313	0.313	0.0	76	-0.08	7.37
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	-0.07	8.41
70	t	4,6-Dinitro-2-methylpheno	0.132	0.108	18.2	60	-0.07	7.41
71	t	n-Nitrosodiphenylamine	0.483	0.511	-5.8	81	-0.07	7.47
72	t	1,2-Diphenylhydrazine	0.764	0.833	-9.0	83	-0.07	7.50
73	S	2,4,6-Tribromophenol	0.112	0.125	-11.6	81	-0.06	7.59
74	t	4-Bromophenyl-phenylether	0.204	0.218	-6.9	79	-0.06	7.90
75	t	Hexachlorobenzene	0.255	0.260	-2.0	79	-0.07	7.96
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	92.542	7.5	74	-0.07	8.22
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.093	1.096	-0.3	78	-0.07	8.44
78	t	Anthracene	1.086	1.105	-1.7	79	-0.07	8.50
79	t	Carbazole	1.015	1.027	-1.2	78	-0.07	8.73
80	t	Di-n-butylphthalate	1.336	1.387	-3.8	78	-0.07	9.23
81	t	Fluoranthene	1.193	1.160	2.8	75	-0.08	9.98
82	t	Octadecane	0.464	0.491	-5.8	82	-0.06	8.37
83	I	Chrysene-d12	1.000	1.000	0.0	71	-0.08	12.05
84	t	Pyrene	1.130	1.181	-4.5	73	-0.08	10.28
85		Butyl stearate	0.425	0.442	-4.0	75	-0.08	11.48
86	S	Terphenyl-d14	0.761	0.746	2.0	68	-0.08	10.55

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4620-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92975.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

87	t	Butylbenzylphthalate	0.559	0.573	-2.5	72	-0.08	11.32
88	t	Benzo[a]anthracene	1.085	1.012	6.7	68	-0.09	12.04
89	t	3,3'-Dichlorobenzidine	0.419	0.405	3.3	66	-0.09	12.05
90	t	Chrysene	0.909	0.870	4.3	69	-0.09	12.09
91	t	bis(2-Ethylhexyl)phthalat	0.695	0.685	1.4	71	-0.08	12.22
92	I	Perylene-d12	1.000	1.000	0.0	65	-0.09	14.08
93	t	Di-n-octylphthalate	1.616	1.820	-12.6	67	-0.08	13.18
94	t	Benzo[b]fluoranthene	1.287	1.496	-16.2	65	-0.10	13.58
95	t	Benzo[k]fluoranthene	1.161	1.192	-2.7	63	-0.10	13.62
96	t	Benzo[a]pyrene	1.079	1.116	-3.4	63	-0.10	14.00
97	t	Indeno[1,2,3-cd]pyrene	1.136	1.137	-0.1	63	-0.11	15.41
98	t	Dibenz(a,h)acridine	0.866	0.874	-0.9	62	-0.10	15.14
99	t	Dibenz[a,h]anthracene	0.899	0.935	-4.0	65	-0.11	15.44
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	47.089	5.8	65	-0.09	13.58
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	0.873	0.877	-0.5	65	-0.12	15.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92845.D MZ4615.M Mon Jun 30 14:06:25 2014 RTE

8.7.101

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4620-CC4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92976.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4620\z92976.D Vial: 3
Acq On : 27 Jun 2014 10:58 am Operator: ashleyd
Sample : cc4614-50 Inst : MSZ
Misc : op75490,ez4620,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Sun Jun 29 17:35:13 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1								
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	87	0.00	3.29
103		Benzaldehyde	1.112	0.921	17.2	81	0.00	2.90
104		Phenanthrene-d10a	1.000	1.000	0.0	85	0.00	8.40
105		Atrazine	0.108	0.100	7.4	82	0.00	8.14
106		Chrysene-d12a	1.000	1.000	0.0	86	0.00	12.04
107		Benzidine	0.650	0.612	5.8	78	0.00	10.21
108		Acenaphthene-d10a	1.000	1.000	0.0	86	0.00	6.64
109		1,2,4,5-Tetrachlorobenzen	0.591	0.502	15.1	81	0.00	5.62
110	I	Naphthalene-d8a	1.000	1.000	0.0	84	0.00	4.60
111		Hydroquinone	0.300	0.285	5.0	76	0.00	5.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92976.D MZ4615.M Sun Jun 29 17:41:49 2014 RTE

8.7.102

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4621-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z93001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4621\z93001.D Vial: 2
Acq On : 27 Jun 2014 10:33 pm Operator: andrews1
Sample : cc4615-25 Inst : MSZ
Misc : op75490,ez4621,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed Jun 25 15:21:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	-0.06	3.29
2		1,4-Dioxane	0.252	0.424	-68.3#	152	-0.03	1.38
3	t	Pyridine	0.830	1.047	-26.1#	140	-0.03	1.53
4	t	N-Nitrosodimethylamine	0.479	0.599	-25.1#	136	-0.03	1.51
5	S	2-Fluorophenol	1.018	1.020	-0.2	112	-0.04	2.25
6	t	Indene	2.288	2.125	7.1	107	-0.06	3.53
7	t	Cumene	3.141	3.177	-1.1	114	-0.05	2.60
8	S	Phenol-d5	1.440	1.365	5.2	106	-0.06	2.98
9	t	Phenol	1.670	1.509	9.6	104	-0.06	2.99
10	t	Aniline	1.769	1.725	2.5	113	-0.06	2.99
11	t	bis(2-Chloroethyl)ether	1.087	0.992	8.7	103	-0.06	3.04
12	t	2-Chlorophenol	1.349	1.265	6.2	107	-0.06	3.10
13	t	Decane	1.507	1.540	-2.2	110	-0.05	3.14
14	t	1,3-Dichlorobenzene	1.540	1.470	4.5	107	-0.06	3.23
15	t	1,4-Dichlorobenzene	1.600	1.560	2.5	112	-0.06	3.30
16	t	Benzyl alcohol	0.899	0.803	10.7	103	-0.06	3.43
17	t	1,2-Dichlorobenzene	1.511	1.413	6.5	108	-0.06	3.45
18	t	Acetophenone	2.015	1.852	8.1	102	-0.06	3.68
19	t	2-Methylphenol	1.188	1.078	9.3	104	-0.06	3.56
20	t	2,2'-oxybis(1-Chloropropa	0.443	0.384	13.3	97	-0.06	3.55
21	t	3&4-Methylphenol	1.264	1.125	11.0	100	-0.06	3.71
22	t	n-Nitroso-di-n-propylamin	1.018	0.898	11.8	101	-0.06	3.69
23	t	Hexachloroethane	0.573	0.545	4.9	108	-0.06	3.78
24	I	Naphthalene-d8	1.000	1.000	0.0	105	-0.06	4.60
25	S	Nitrobenzene-d5	0.365	0.374	-2.5	107	-0.06	3.84
26	t	Nitrobenzene	0.383	0.395	-3.1	107	-0.07	3.85
27	t	Quinoline	0.705	0.663	6.0	99	-0.08	5.00
28	t	Isophorone	0.633	0.629	0.6	104	-0.07	4.10
29	t	2-Nitrophenol	0.190	0.190	0.0	102	-0.06	4.19
30	t	2,4-Dimethylphenol	0.334	0.339	-1.5	107	-0.07	4.27
31		Benzoic Acid	0.269	0.187	30.5#	70	-0.14	4.41
32	t	bis(2-Chloroethoxy)methan	0.333	0.322	3.3	99	-0.06	4.36
33	t	2,4-Dichlorophenol	0.286	0.275	3.8	101	-0.06	4.47
34		2,6-Dichlorophenol	0.289	0.278	3.8	100	-0.07	4.71
35	t	1,3,5-Trichlorobenzene	0.352	0.352	0.0	105	-0.06	4.20
36	t	1,2,4-Trichlorobenzene	0.332	0.329	0.9	105	-0.06	4.54
37	t	1,2,3-Trichlorobenzene	0.333	0.325	2.4	102	-0.07	4.79
38	t	Naphthalene	1.031	0.980	4.9	102	-0.07	4.62
39	t	4-Chloroaniline	0.436	0.416	4.6	101	-0.07	4.71
40	t	2,3-Dichloroaniline	0.382	0.350	8.4	97	-0.06	5.76
41	t	Caprolactam	0.177	0.162	8.5	94	-0.11	5.09

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4621-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z93001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.212	0.210	0.9	104	-0.06	4.78
43	t	4-Chloro-3-methylphenol	0.325	0.316	2.8	101	-0.07	5.32
44	t	2-Methylnaphthalene	0.620	0.581	6.3	100	-0.07	5.41
45	t	1-Methylnaphthalene	0.626	0.579	7.5	99	-0.07	5.52
46	t	Dimethylnaphthalene	0.664	0.599	9.8	97	-0.07	6.15
47	I	Acenaphthene-d10	1.000	1.000	0.0	99	-0.07	6.63
		----------	True	Calc.	% Drift		----------	
48	t	Hexachlorocyclopentadiene	50.000	45.925	8.2	96	-0.07	5.61
		----------	AvgRF	CCRF	% Dev		----------	
49	t	2,4,6-Trichlorophenol	0.334	0.336	-0.6	97	-0.07	5.77
50	t	2,4,5-Trichlorophenol	0.367	0.353	3.8	96	-0.07	5.82
51	S	2-Fluorobiphenyl	1.175	1.182	-0.6	100	-0.07	5.86
52	t	2-Chloronaphthalene	1.084	1.080	0.4	99	-0.07	5.98
53	t	Biphenyl	1.433	1.409	1.7	98	-0.07	5.97
54	t	2-Nitroaniline	0.383	0.407	-6.3	104	-0.07	6.13
55	t	Dimethylphthalate	1.248	1.216	2.6	97	-0.07	6.36
56	t	Acenaphthylene	1.747	1.745	0.1	100	-0.07	6.46
57	t	2,6-Dinitrotoluene	0.267	0.269	-0.7	96	-0.07	6.43
58	t	3-Nitroaniline	0.321	0.317	1.2	99	-0.07	6.63
59	t	Acenaphthene	1.082	1.060	2.0	100	-0.07	6.67
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	50.000	34.564	30.9#	71	-0.07	6.76
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.227	0.213	6.2	85	-0.05	6.93
62	t	Dibenzofuran	1.533	1.461	4.7	95	-0.07	6.88
63	t	2,4-Dinitrotoluene	0.379	0.378	0.3	92	-0.07	6.91
64		2,3,4,6-Tetrachlorophenol	0.311	0.300	3.5	96	-0.07	7.06
65	t	Diethylphthalate	1.353	1.354	-0.1	97	-0.07	7.21
66	t	Fluorene	1.257	1.221	2.9	98	-0.07	7.29
67	t	4-Chlorophenyl-phenylethe	0.569	0.541	4.9	98	-0.07	7.31
68	t	4-Nitroaniline	0.313	0.307	1.9	94	-0.09	7.36
69	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.07	8.40
70	t	4,6-Dinitro-2-methylpheno	0.132	0.107	18.9	83	-0.07	7.41
71	t	n-Nitrosodiphenylamine	0.483	0.484	-0.2	97	-0.07	7.46
72	t	1,2-Diphenylhydrazine	0.764	0.819	-7.2	101	-0.07	7.50
73	S	2,4,6-Tribromophenol	0.112	0.113	-0.9	94	-0.07	7.59
74	t	4-Bromophenyl-phenylether	0.204	0.209	-2.5	96	-0.07	7.89
75	t	Hexachlorobenzene	0.255	0.249	2.4	96	-0.08	7.95
		----------	True	Calc.	% Drift		----------	
76	t	Pentachlorophenol	50.000	43.344	13.3	86	-0.08	8.21
		----------	AvgRF	CCRF	% Dev		----------	
77	t	Phenanthrene	1.093	1.053	3.7	93	-0.08	8.43
78	t	Anthracene	1.086	1.068	1.7	95	-0.08	8.50
79	t	Carbazole	1.015	0.966	4.8	90	-0.08	8.72
80	t	Di-n-butylphthalate	1.336	1.341	-0.4	93	-0.07	9.22
81	t	Fluoranthene	1.193	1.150	3.6	91	-0.08	9.97
82	t	Octadecane	0.464	0.493	-6.2	99	-0.07	8.37
83	I	Chrysene-d12	1.000	1.000	0.0	89	-0.09	12.04
84	t	Pyrene	1.130	1.169	-3.5	91	-0.09	10.27
85		Butyl stearate	0.425	0.454	-6.8	92	-0.09	11.47
86	S	Terphenyl-d14	0.761	0.791	-3.9	91	-0.09	10.55

8.7.103

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4621-CC4615
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z93001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

87	t	Butylbenzylphthalate	0.559	0.595	-6.4	91	-0.08	11.31
88	t	Benzo[a]anthracene	1.085	1.021	5.9	86	-0.10	12.03
89	t	3,3'-Dichlorobenzidine	0.419	0.408	2.6	86	-0.10	12.04
90	t	Chrysene	0.909	0.905	0.4	89	-0.10	12.08
91	t	bis(2-Ethylhexyl)phthalat	0.695	0.729	-4.9	89	-0.08	12.22
92	I	Perylene-d12	1.000	1.000	0.0	88	-0.10	14.07
93	t	Di-n-octylphthalate	1.616	1.619	-0.2	90	-0.09	13.16
94	t	Benzo[b]fluoranthene	1.287	1.240	3.7	85	-0.11	13.57
95	t	Benzo[k]fluoranthene	1.161	1.149	1.0	88	-0.11	13.61
96	t	Benzo[a]pyrene	1.079	1.068	1.0	88	-0.10	14.00
97	t	Indeno[1,2,3-cd]pyrene	1.136	1.181	-4.0	88	-0.13	15.40
98	t	Dibenz(a,h)acridine	0.866	0.888	-2.5	88	-0.11	15.12
99	t	Dibenz[a,h]anthracene	0.899	0.974	-8.3	90	-0.13	15.43
		----------	True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	22.111	11.6	85	-0.11	13.57
		----------	AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	0.873	0.929	-6.4	92	-0.14	15.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92846.D MZ4615.M Mon Jun 30 14:08:26 2014 RTE

8.7.103

8

Continuing Calibration Summary

Job Number: JB69123 **Sample:** EZ4621-CC4614
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z93002.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4621\z93002.D Vial: 3
Acq On : 27 Jun 2014 10:58 pm Operator: andrews1
Sample : cc4614-25 Inst : MSZ
Misc : op75490,ez4621,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4615.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Sun Jun 29 17:56:30 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	89	0.00	3.29
103		Benzaldehyde	1.112	0.986	11.3	91	0.00	2.90
104		Phenanthrene-d10a	1.000	1.000	0.0	88	0.00	8.40
105		Atrazine	0.108	0.095	12.0	81	0.00	8.14
106		Chrysene-d12a	1.000	1.000	0.0	86	0.00	12.04
107		Benzidine	0.650	0.638	1.8	81	0.00	10.20
108		Acenaphthene-d10a	1.000	1.000	0.0	88	0.00	6.63
109		1,2,4,5-Tetrachlorobenzen	0.591	0.541	8.5	88	0.00	5.62
110	I	Naphthalene-d8a	1.000	1.000	0.0	86	0.00	4.60
111		Hydroquinone	0.300	0.258	14.0	75	0.00	5.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92846.D MZ4615.M Sun Jun 29 18:29:47 2014 RTE

8.7.104

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32845.D
Acq On : 18 Jun 2014 2:20 am
Operator : ashleyd
Sample : jb69123-1
Misc : op75688,e3p1406,33.4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 17:38:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

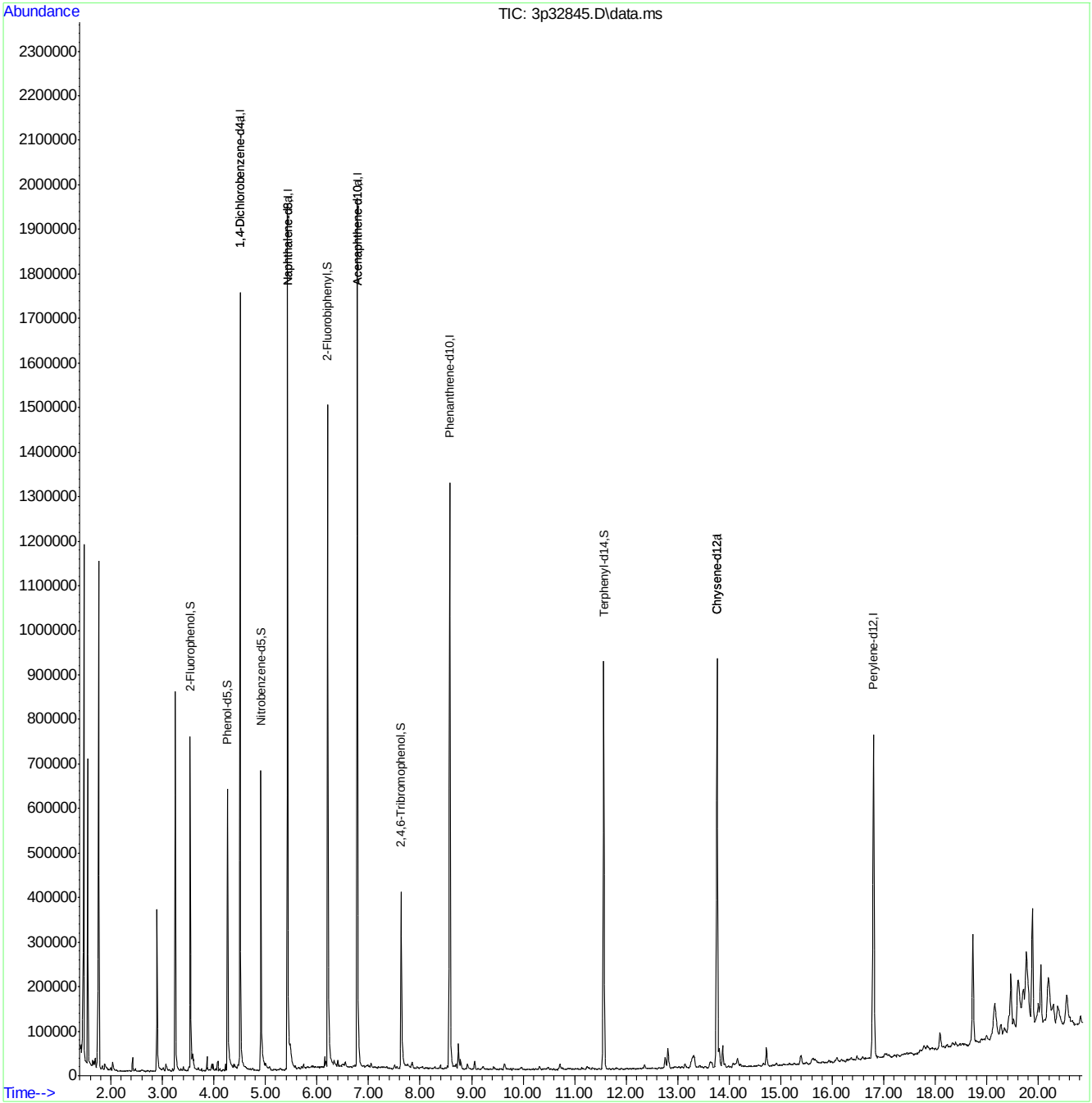
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	220451	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	798310	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	421058	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	649364	40.00	ppb	-0.10
83) Chrysene-d12	13.764	240	518222	40.00	ppb	-0.11
91) Perylene-d12	16.802	264	414946	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	220451	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	421058	40.00	ppb	-0.08
106) Chrysene-d12a	13.764	240	518222	40.00	ppb	-0.11
108) Naphthalene-d8a	5.425	136	798310	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.537	112	228131	31.28	ppb	-0.05
Spiked Amount 50.000			Recovery = 62.56%			
8) Phenol-d5	4.259	99	260504	30.67	ppb	-0.05
Spiked Amount 50.000			Recovery = 61.34%			
25) Nitrobenzene-d5	4.912	82	241344	36.55	ppb	-0.06
Spiked Amount 50.000			Recovery = 73.10%			
51) 2-Fluorobiphenyl	6.206	172	479638	35.80	ppb	-0.07
Spiked Amount 50.000			Recovery = 71.60%			
73) 2,4,6-Tribromophenol	7.634	330	61434	37.23	ppb	-0.09
Spiked Amount 50.000			Recovery = 74.46%			
85) Terphenyl-d14	11.565	244	429472	42.14	ppb	-0.11
Spiked Amount 50.000			Recovery = 84.28%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32845.D
Acq On : 18 Jun 2014 2:20 am
Operator : ashleyd
Sample : jb69123-1
Misc : op75688,e3p1406,33.4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 17:38:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32846.D
Acq On : 18 Jun 2014 2:45 am
Operator : ashleyd
Sample : jb69123-2
Misc : op75688,e3p1406,30.6
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 17:40:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

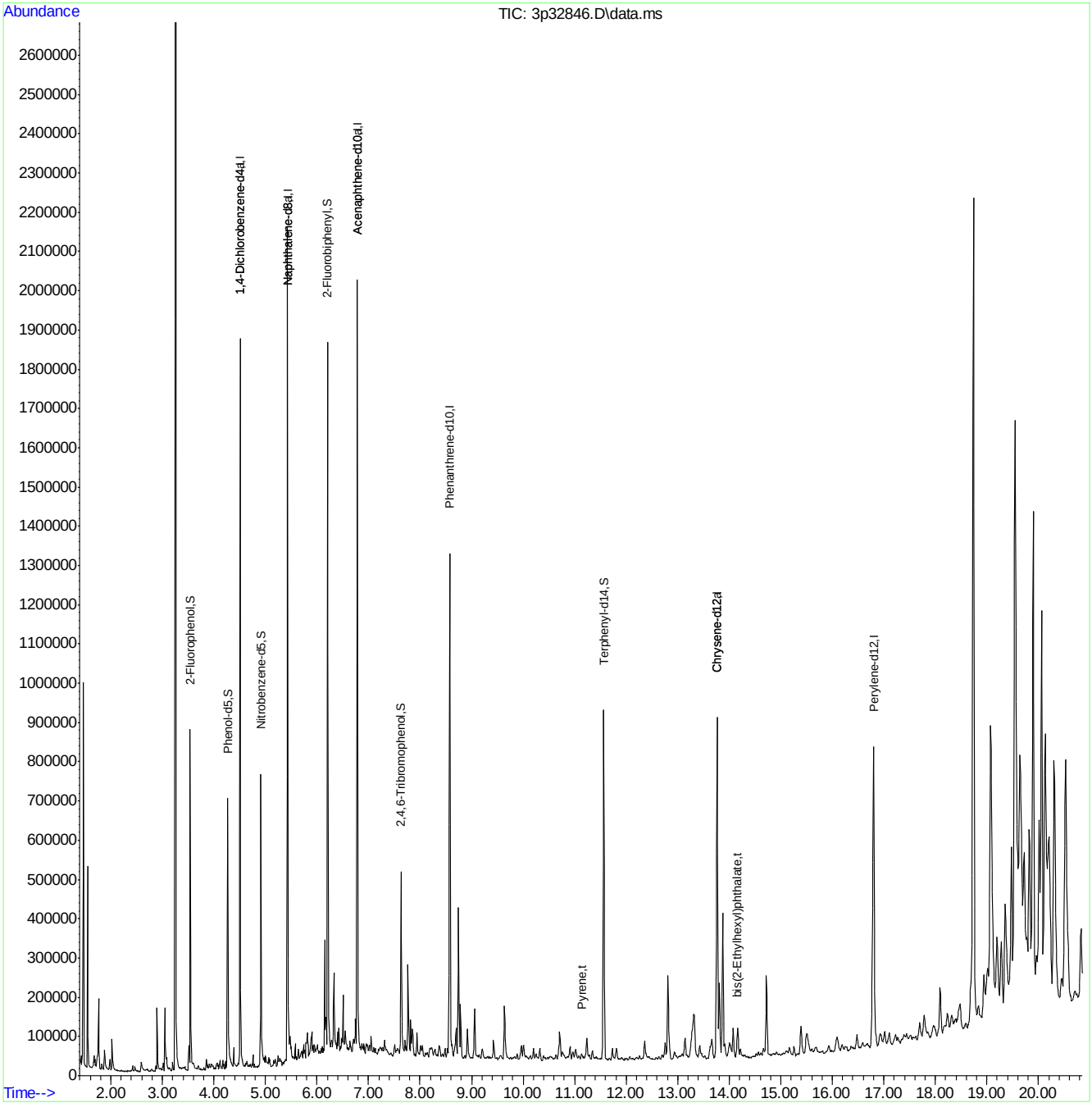
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	217091	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	779254	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	403080	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	591082	40.00	ppb	-0.10
83) Chrysene-d12	13.764	240	480043	40.00	ppb	-0.11
91) Perylene-d12	16.807	264	405254	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	217091	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	403080	40.00	ppb	-0.08
106) Chrysene-d12a	13.764	240	480043	40.00	ppb	-0.11
108) Naphthalene-d8a	5.425	136	779254	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.537	112	234764	32.68	ppb	-0.05
Spiked Amount 50.000			Recovery = 65.36%			
8) Phenol-d5	4.264	99	279085	33.36	ppb	-0.04
Spiked Amount 50.000			Recovery = 66.72%			
25) Nitrobenzene-d5	4.912	82	252450	39.17	ppb	-0.06
Spiked Amount 50.000			Recovery = 78.34%			
51) 2-Fluorobiphenyl	6.206	172	498395	38.86	ppb	-0.07
Spiked Amount 50.000			Recovery = 77.72%			
73) 2,4,6-Tribromophenol	7.634	330	64444	42.91	ppb	-0.09
Spiked Amount 50.000			Recovery = 85.82%			
85) Terphenyl-d14	11.565	244	419904	44.48	ppb	-0.11
Spiked Amount 50.000			Recovery = 88.96%			
Target Compounds						Qvalue
84) Pyrene	11.132	202	7163	0.45	ppb	85
90) bis(2-Ethylhexyl)phtha...	14.149	149	10096	1.06	ppb	90

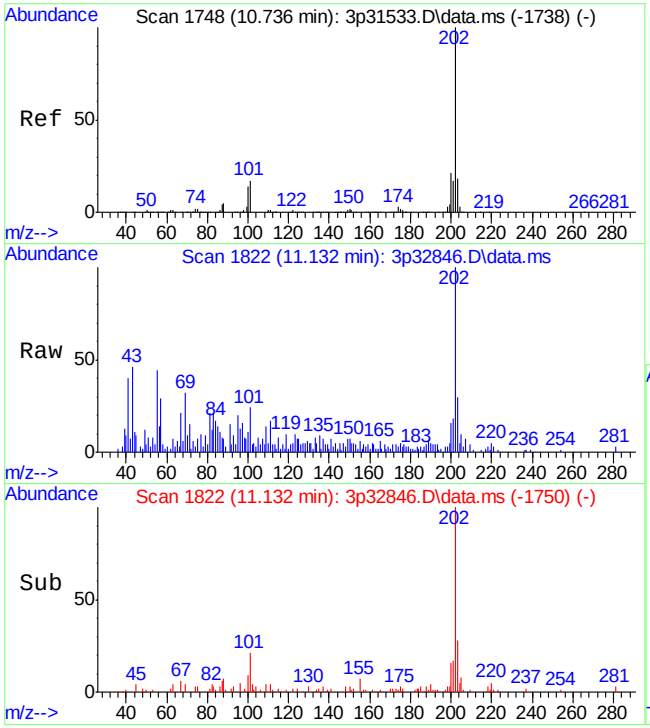
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32846.D
Acq On : 18 Jun 2014 2:45 am
Operator : ashleyd
Sample : jb69123-2
Misc : op75688,e3p1406,30.6
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 17:40:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

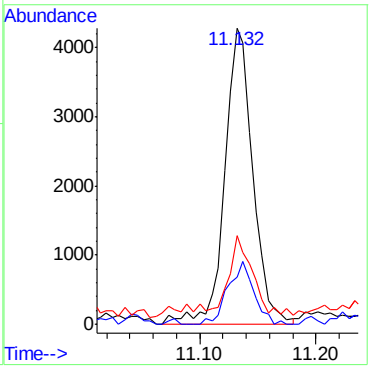


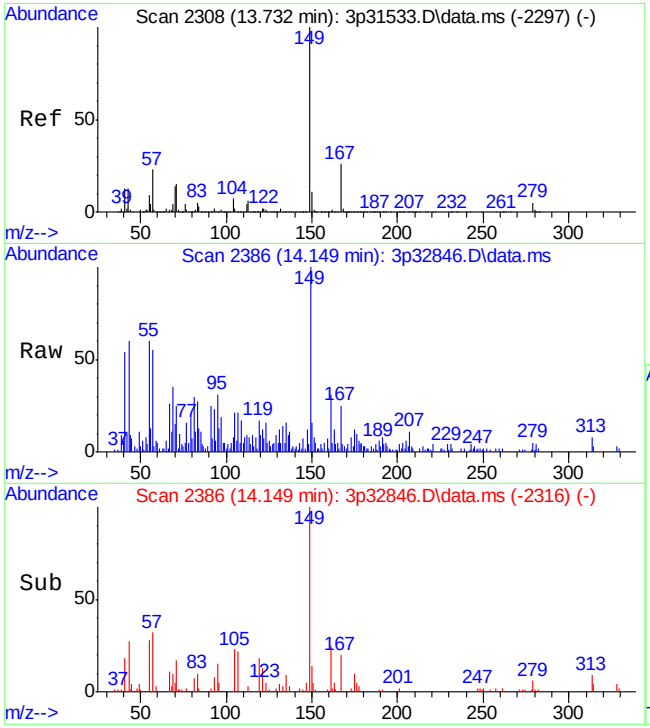


#84
Pyrene
Concen: 0.45 ppb
RT: 11.132 min Scan# 1822
Delta R.T. -0.112 min
Lab File: 3p32846.D
Acq: 18 Jun 2014 2:45 am

Tgt Ion:202 Resp: 7163

Ion	Ratio	Lower	Upper
202	100		
200	16.0	0.0	50.6
203	26.8	0.0	48.0

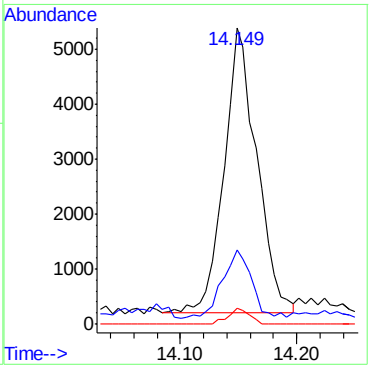




#90
bis(2-Ethylhexyl)phthalate
Concen: 1.06 ppb
RT: 14.149 min Scan# 2386
Delta R.T. -0.123 min
Lab File: 3p32846.D
Acq: 18 Jun 2014 2:45 am

Tgt Ion:149 Resp: 10096

Ion	Ratio	Lower	Upper
149	100		
167	21.7	0.0	57.5
279	5.7	0.0	34.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32847.D
Acq On : 18 Jun 2014 3:10 am
Operator : ashleyd
Sample : jb69123-3
Misc : op75688,e3p1406,30.9
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 18 17:43:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

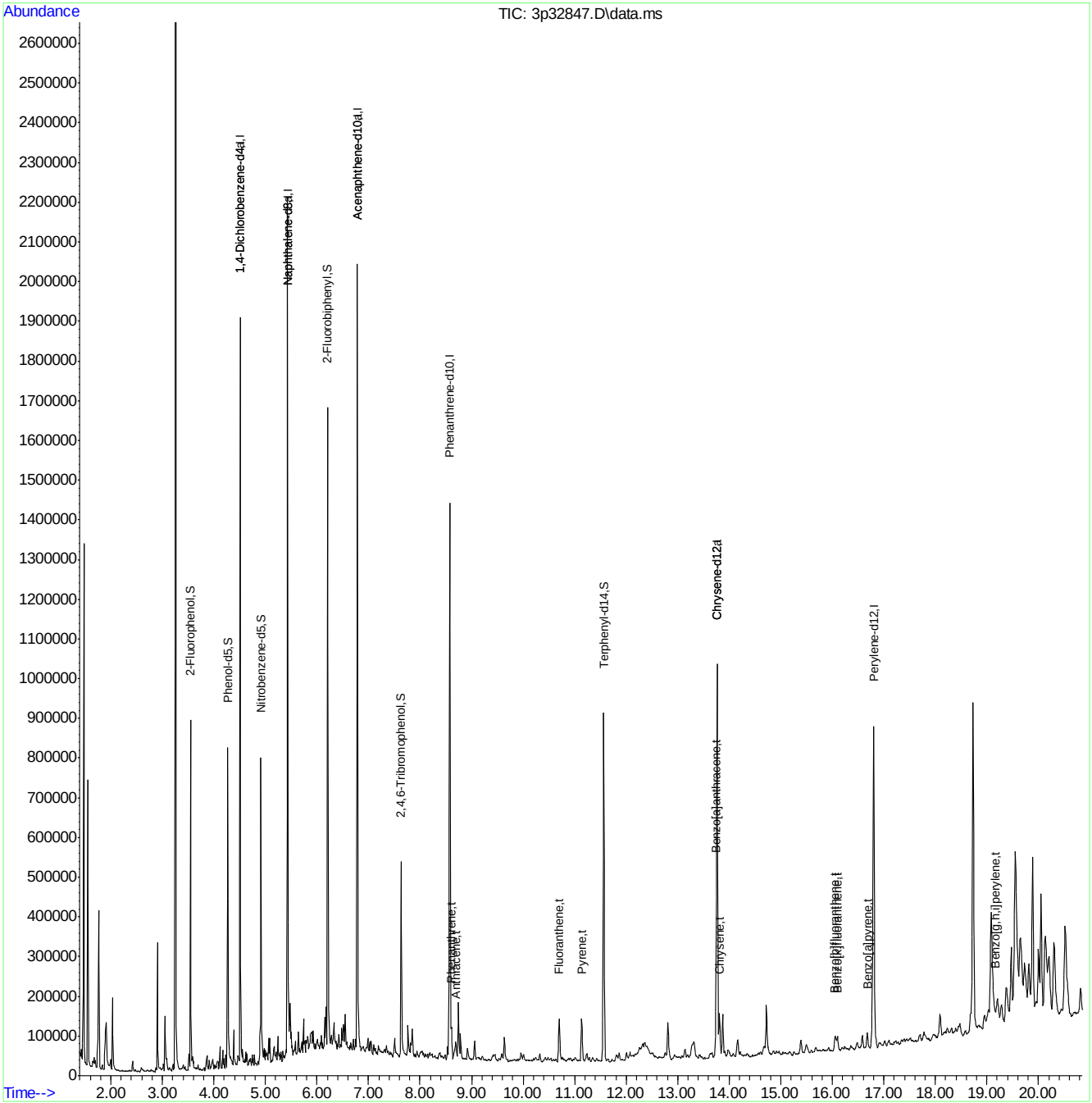
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	231259	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	839984	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	424206	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	646868	40.00	ppb	-0.10
83) Chrysene-d12	13.763	240	542838	40.00	ppb	-0.11
91) Perylene-d12	16.807	264	449208	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	231259	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	424206	40.00	ppb	-0.08
106) Chrysene-d12a	13.763	240	542838	40.00	ppb	-0.11
108) Naphthalene-d8a	5.425	136	839984	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	223052	29.15	ppb	-0.04
Spiked Amount 50.000			Recovery = 58.30%			
8) Phenol-d5	4.264	99	279413	31.36	ppb	-0.04
Spiked Amount 50.000			Recovery = 62.72%			
25) Nitrobenzene-d5	4.911	82	231566	33.33	ppb	-0.06
Spiked Amount 50.000			Recovery = 66.66%			
51) 2-Fluorobiphenyl	6.206	172	456907	33.85	ppb	-0.07
Spiked Amount 50.000			Recovery = 67.70%			
73) 2,4,6-Tribromophenol	7.634	330	61722	37.55	ppb	-0.09
Spiked Amount 50.000			Recovery = 75.10%			
85) Terphenyl-d14	11.565	244	420551	39.39	ppb	-0.11
Spiked Amount 50.000			Recovery = 78.78%			
Target Compounds						Qvalue
77) Phenanthrene	8.607	178	31584	1.72	ppb	97
78) Anthracene	8.688	178	11383	0.64	ppb	96
81) Fluoranthene	10.699	202	64194	3.18	ppb	98
84) Pyrene	11.132	202	62175	3.46	ppb	98
87) Benzo[a]anthracene	13.747	228	30483	2.01	ppb	99
89) Chrysene	13.817	228	26763	2.00	ppb	97
93) Benzo[b]fluoranthene	16.047	252	27956	2.01	ppb	92
94) Benzo[k]fluoranthene	16.106	252	9664	0.72	ppb	96
95) Benzo[a]pyrene	16.684	252	23347	1.92	ppb	96
100) Benzo[g,h,i]perylene	19.171	276	12095	0.99	ppb	94

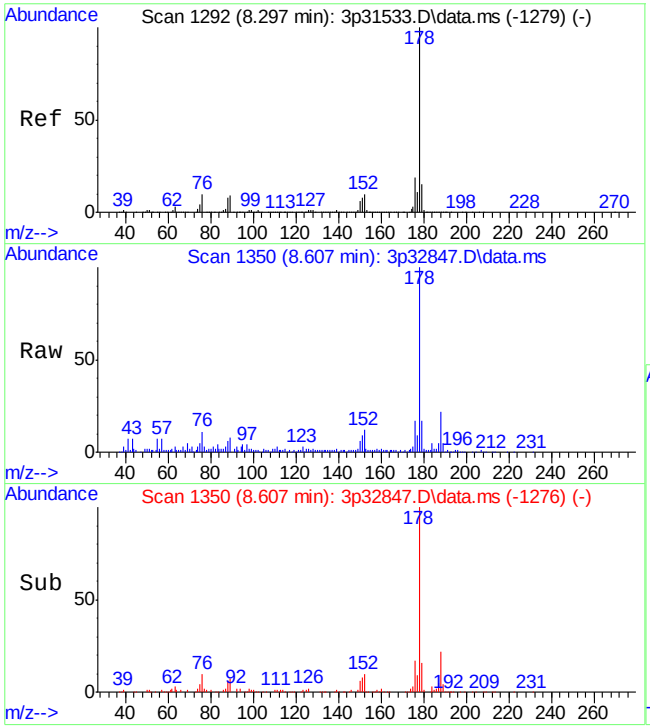
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32847.D
Acq On : 18 Jun 2014 3:10 am
Operator : ashleyd
Sample : jb69123-3
Misc : op75688,e3p1406,30.9
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 18 17:43:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

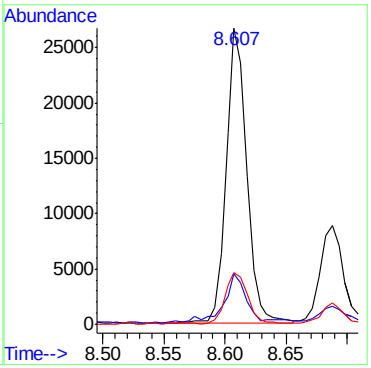


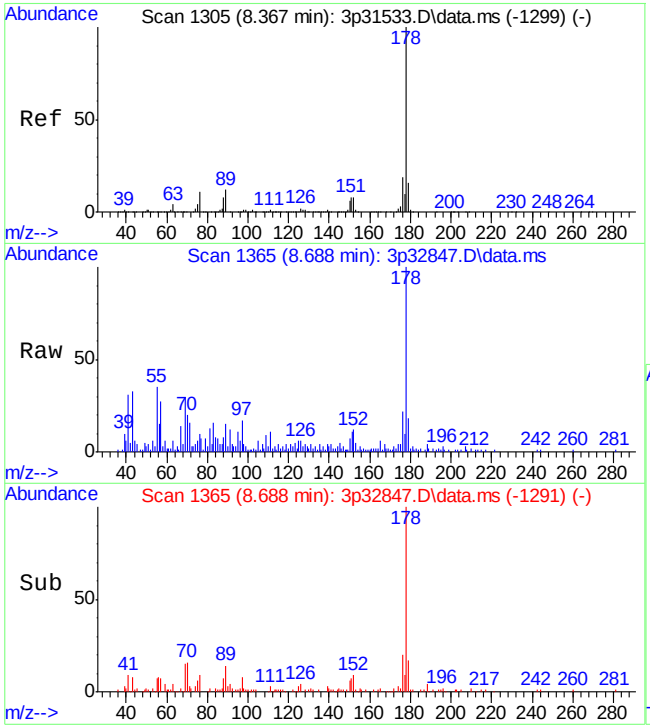


#77
Phenanthrene
Concen: 1.72 ppb
RT: 8.607 min Scan# 1350
Delta R.T. -0.102 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:178 Resp: 31584

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	45.3
176	17.4	0.0	48.9

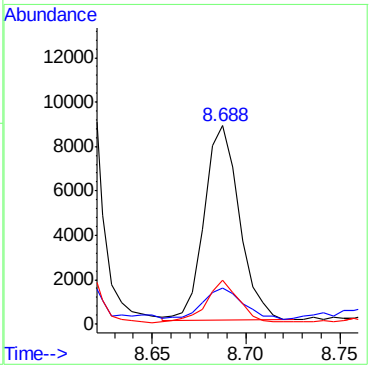


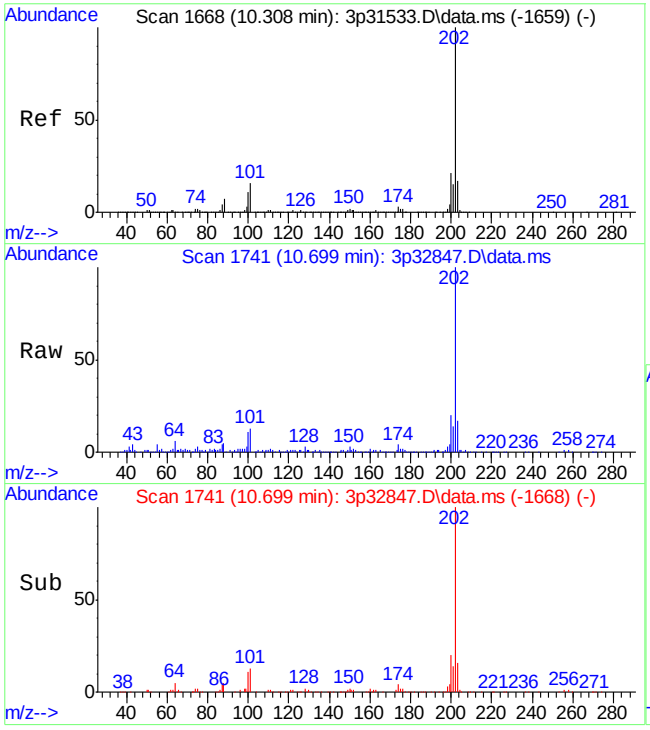


#78
Anthracene
Concen: 0.64 ppb
RT: 8.688 min Scan# 1365
Delta R.T. -0.102 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:178 Resp: 11383

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.3
176	21.6	0.0	48.7

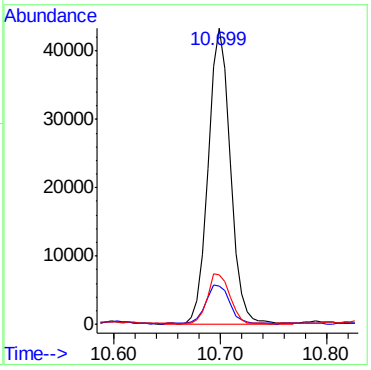


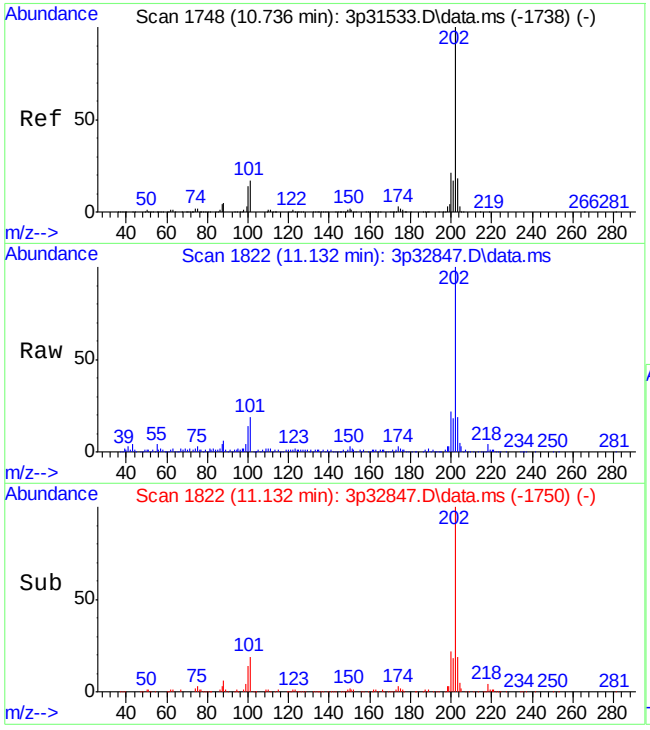


#81
Fluoranthene
Concen: 3.18 ppb
RT: 10.699 min Scan# 1741
Delta R.T. -0.107 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:202 Resp: 64194

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	43.1
203	16.2	0.0	47.3

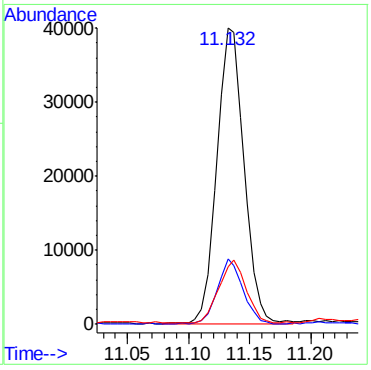


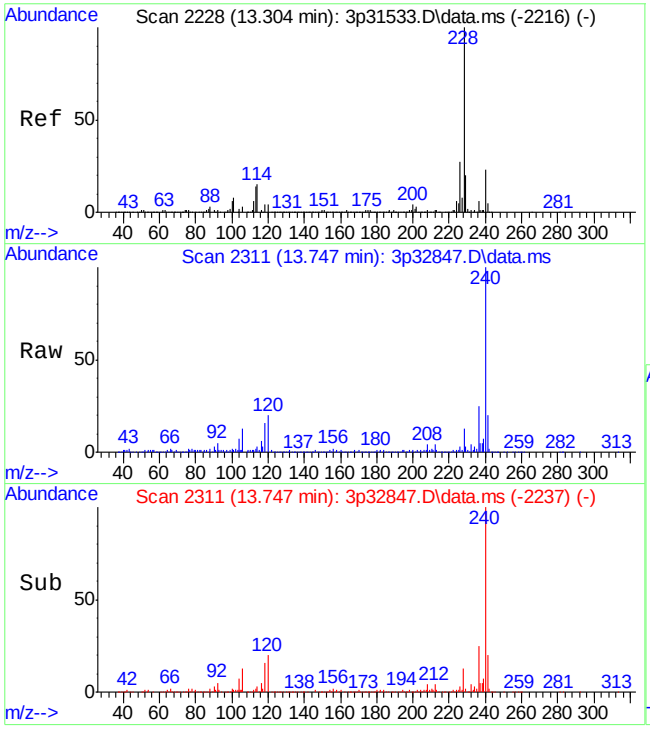


#84
Pyrene
Concen: 3.46 ppb
RT: 11.132 min Scan# 1822
Delta R.T. -0.112 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:202 Resp: 62175

Ion	Ratio	Lower	Upper
202	100		
200	21.9	0.0	50.6
203	18.8	0.0	48.0

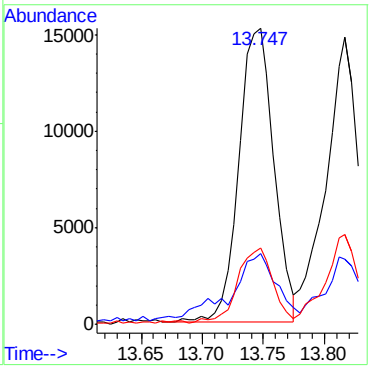


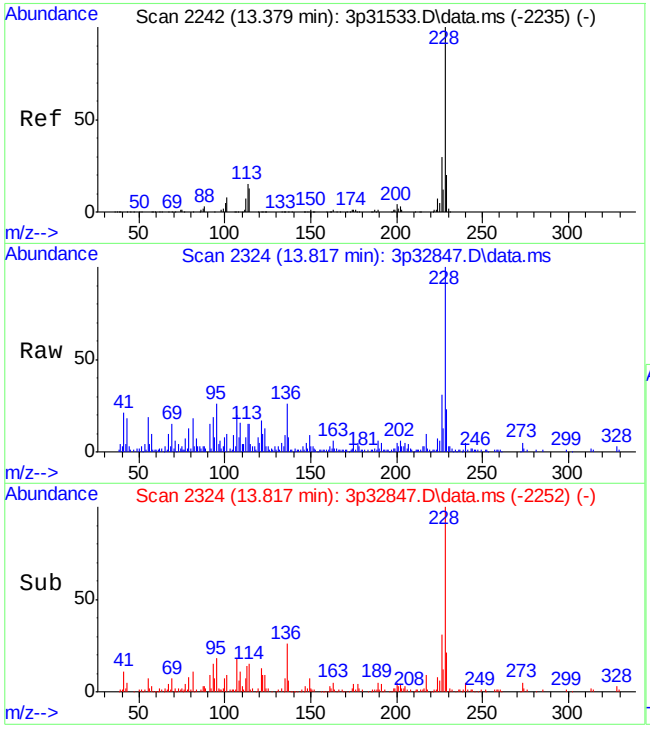


#87
Benzo[a]anthracene
Concen: 2.01 ppb
RT: 13.747 min Scan# 2311
Delta R.T. -0.102 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:228 Resp: 30483

Ion	Ratio	Lower	Upper
228	100		
229	20.8	0.0	49.9
226	25.6	0.0	55.9

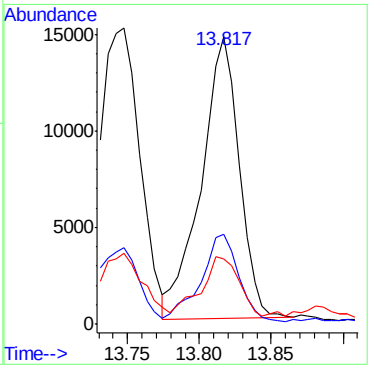


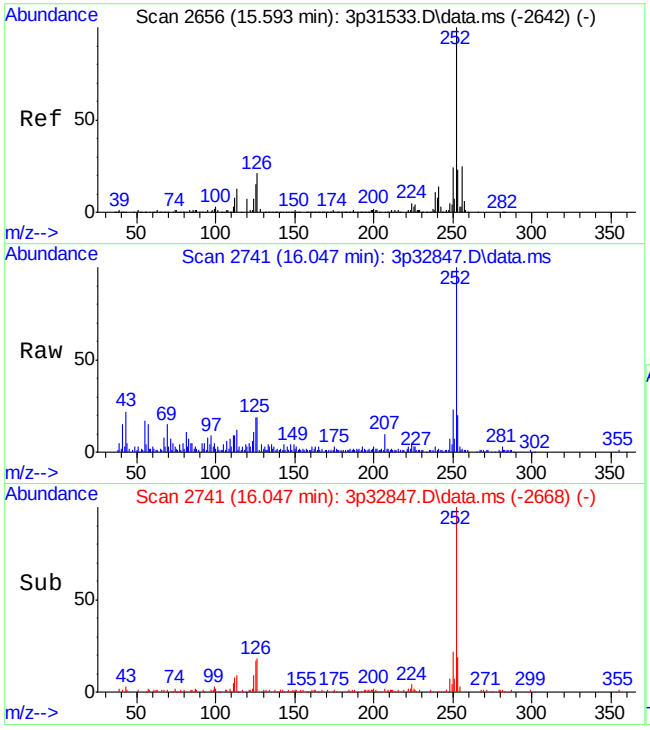


#89
Chrysene
Concen: 2.00 ppb
RT: 13.817 min Scan# 2324
Delta R.T. -0.112 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:228 Resp: 26763

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.0	59.2
229	18.7	0.0	49.2

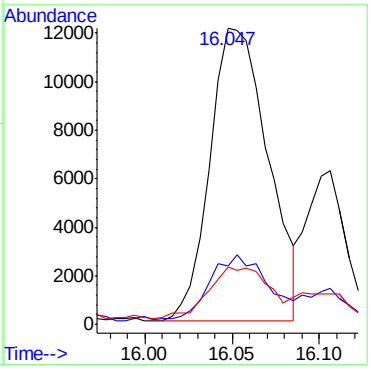


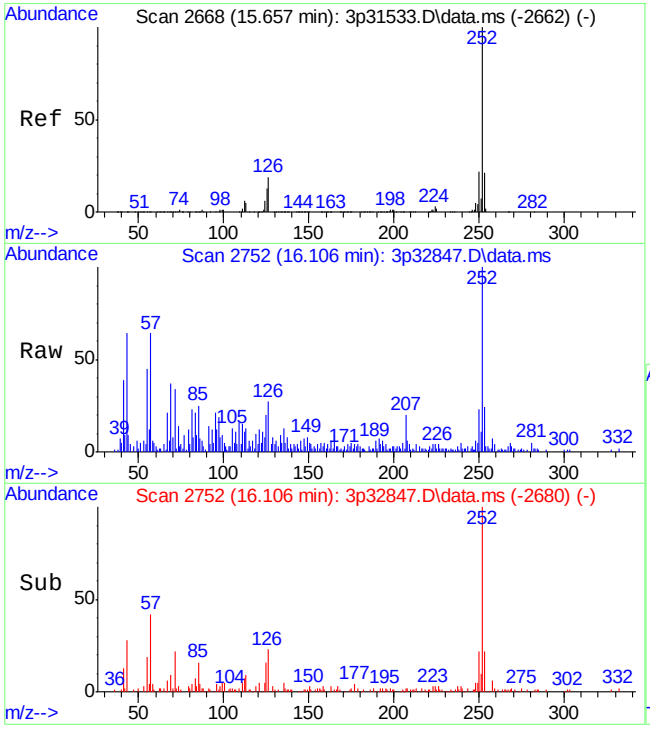


#93
Benzo[b]fluoranthene
Concen: 2.01 ppb
RT: 16.047 min Scan# 2741
Delta R.T. -0.107 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:252 Resp: 27956

Ion	Ratio	Lower	Upper
252	100		
253	17.3	0.0	51.1
125	15.7	0.0	43.1

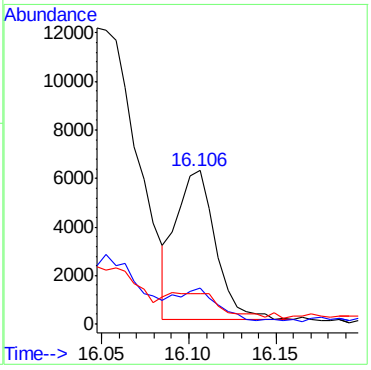


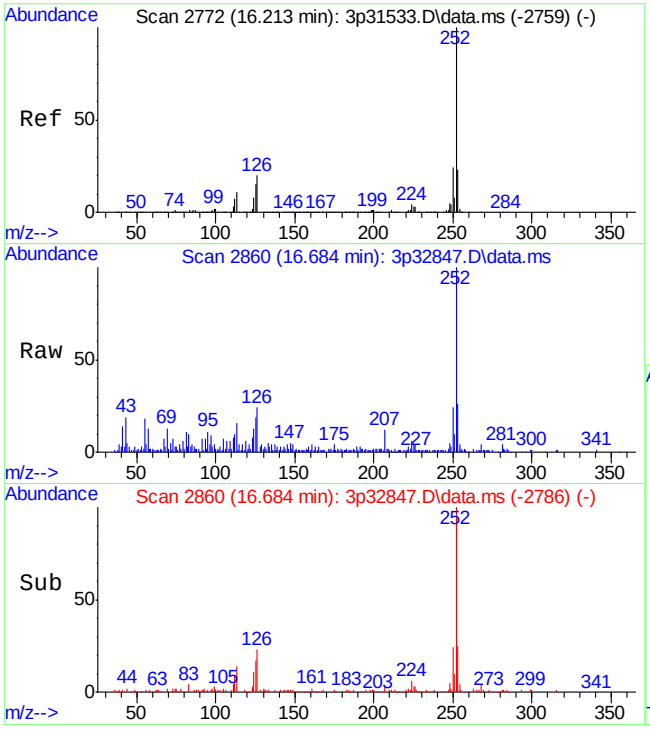


#94
Benzo[k]fluoranthene
Concen: 0.72 ppb
RT: 16.106 min Scan# 2752
Delta R.T. -0.112 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:252 Resp: 9664

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	51.6
125	11.4	0.0	42.9

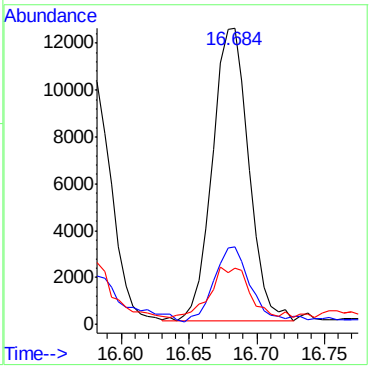


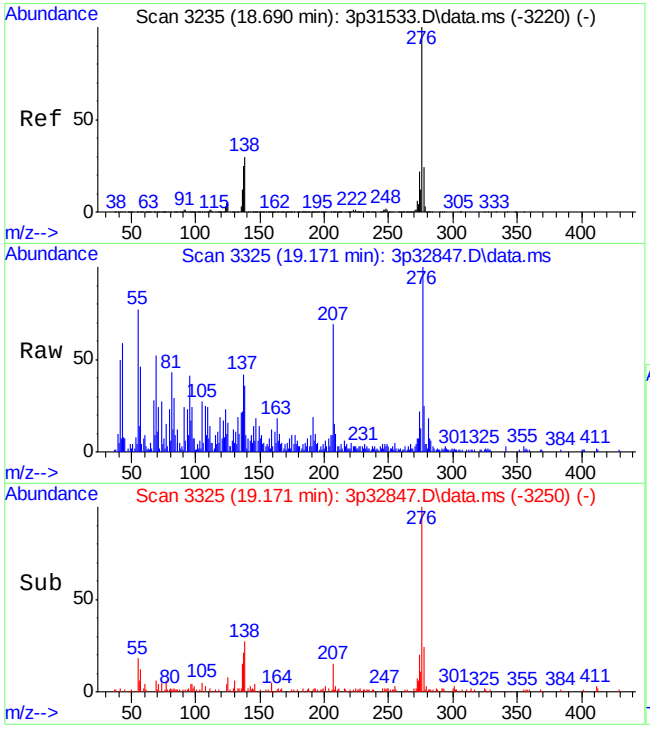


#95
Benzo[a]pyrene
Concen: 1.92 ppb
RT: 16.684 min Scan# 2860
Delta R.T. -0.102 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:252 Resp: 23347

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	51.6
125	16.7	0.0	44.8

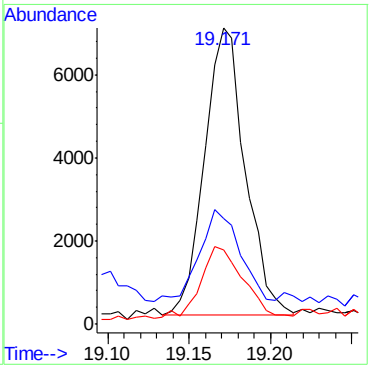




#100
Benzo[g,h,i]perylene
Concen: 0.99 ppb
RT: 19.171 min Scan# 3325
Delta R.T. -0.096 min
Lab File: 3p32847.D
Acq: 18 Jun 2014 3:10 am

Tgt Ion:276 Resp: 12095

Ion	Ratio	Lower	Upper
276	100		
138	27.2	2.6	62.6
277	23.2	0.0	54.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92784.D
Acq On : 19 Jun 2014 9:56 pm
Operator : ashleyv
Sample : jb69123-4
Misc : op75724,ez4609,30.1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:56:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration

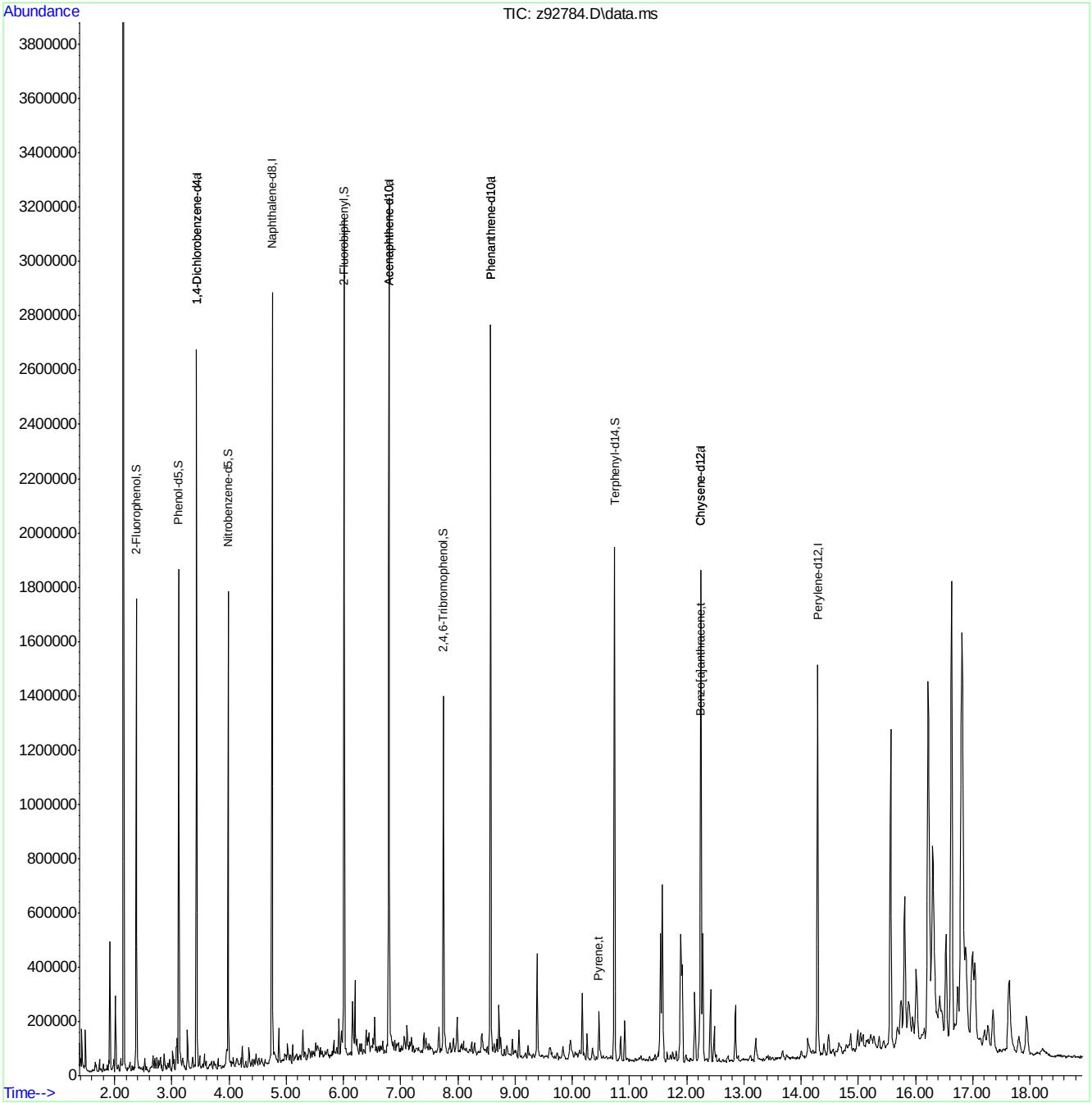
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.428	152	305413	40.00	ppb	0.00
24) Naphthalene-d8	4.753	136	1137717	40.00	ppb	0.00
47) Acenaphthene-d10	6.793	164	607096	40.00	ppb	0.00
69) Phenanthrene-d10	8.572	188	887340	40.00	ppb	0.00
83) Chrysene-d12	12.248	240	667586	40.00	ppb	0.00
92) Perylene-d12	14.289	264	575456	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.428	152	305413	40.00	ppb	0.00
104) Phenanthrene-d10a	8.572	188	887340	40.00	ppb	0.00
106) Chrysene-d12a	12.248	240	667586	40.00	ppb	0.00
108) Acenaphthene-d10a	6.793	164	607096	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.375	112	343413	32.90	ppb	0.00
Spiked Amount 50.000			Recovery = 65.80%			
8) Phenol-d5	3.118	99	441381	33.58	ppb	0.00
Spiked Amount 50.000			Recovery = 67.16%			
25) Nitrobenzene-d5	3.983	82	444227	44.31	ppb	0.00
Spiked Amount 50.000			Recovery = 88.62%			
51) 2-Fluorobiphenyl	6.013	172	769640	39.99	ppb	0.00
Spiked Amount 50.000			Recovery = 79.98%			
73) 2,4,6-Tribromophenol	7.744	330	109729	50.61	ppb	0.00
Spiked Amount 50.000			Recovery = 101.22%			
86) Terphenyl-d14	10.741	244	635675	47.35	ppb	0.00
Spiked Amount 50.000			Recovery = 94.70%			
Target Compounds						Qvalue
84) Pyrene	10.464	202	8808	0.43	ppb	90
88) Benzo[a]anthracene	12.237	228	8246	0.45	ppb	81

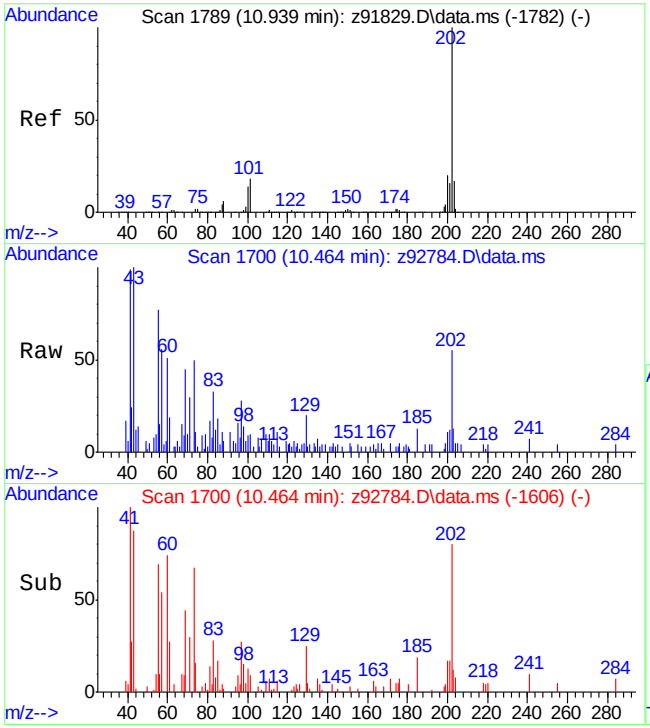
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92784.D
Acq On : 19 Jun 2014 9:56 pm
Operator : ashleyv
Sample : jb69123-4
Misc : op75724,ez4609,30.1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:56:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration

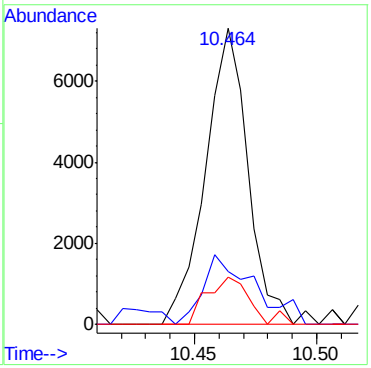


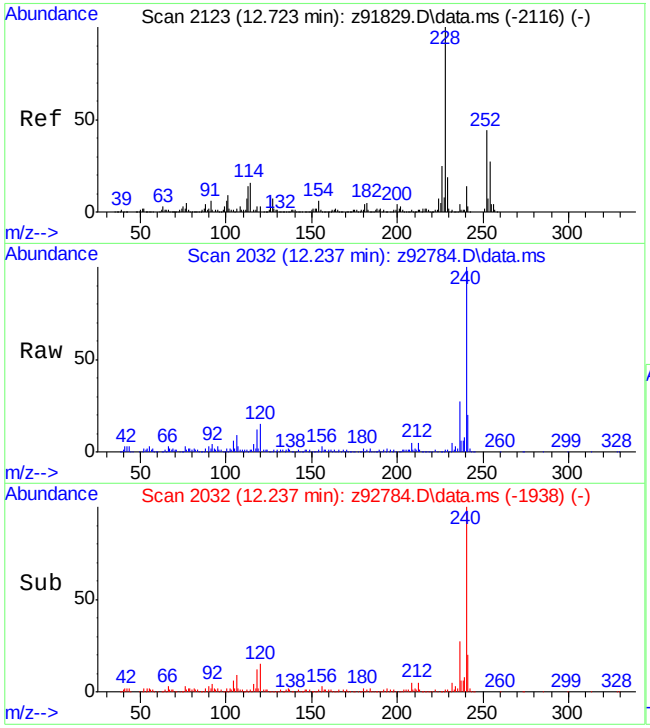


#84
Pyrene
Concen: 0.43 ppb
RT: 10.464 min Scan# 1700
Delta R.T. -0.000 min
Lab File: z92784.D
Acq: 19 Jun 2014 9:56 pm

Tgt Ion:202 Resp: 8808

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	48.4
100	16.0	0.0	44.6

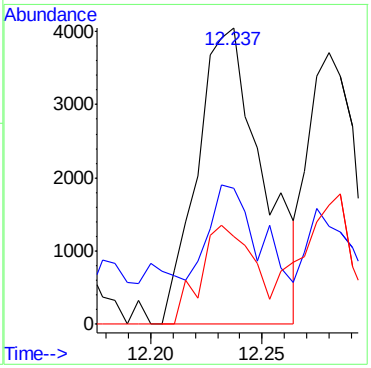




#88
Benzo[a]anthracene
Concen: 0.45 ppb
RT: 12.237 min Scan# 2032
Delta R.T. -0.000 min
Lab File: z92784.D
Acq: 19 Jun 2014 9:56 pm

Tgt Ion:228 Resp: 8246

Ion	Ratio	Lower	Upper
228	100		
229	36.3	0.0	49.3
226	23.2	0.0	55.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32848.D
Acq On : 18 Jun 2014 3:36 am
Operator : ashleyd
Sample : jb69123-5
Misc : op75688,e3p1406,31.9
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 17:45:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

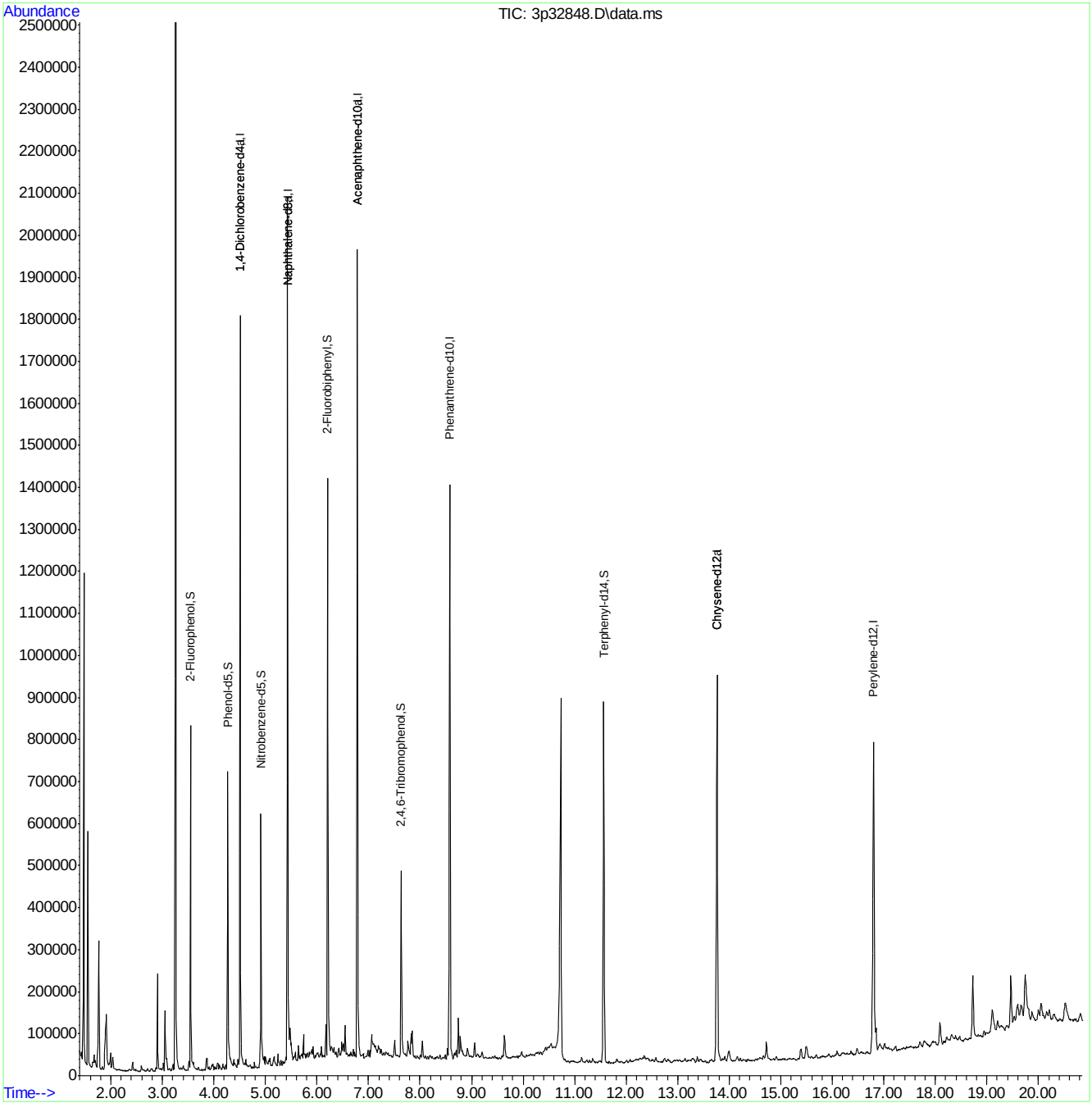
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	216430	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	790556	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	412017	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	629929	40.00	ppb	-0.10
83) Chrysene-d12	13.764	240	510512	40.00	ppb	-0.11
91) Perylene-d12	16.802	264	410578	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	216430	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	412017	40.00	ppb	-0.08
106) Chrysene-d12a	13.764	240	510512	40.00	ppb	-0.11
108) Naphthalene-d8a	5.425	136	790556	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	204695	28.58	ppb	-0.04
Spiked Amount 50.000			Recovery = 57.16%			
8) Phenol-d5	4.264	99	254181	30.48	ppb	-0.04
Spiked Amount 50.000			Recovery = 60.96%			
25) Nitrobenzene-d5	4.912	82	195414	29.88	ppb	-0.06
Spiked Amount 50.000			Recovery = 59.76%			
51) 2-Fluorobiphenyl	6.206	172	400054	30.52	ppb	-0.07
Spiked Amount 50.000			Recovery = 61.04%			
73) 2,4,6-Tribromophenol	7.634	330	59793	37.36	ppb	-0.09
Spiked Amount 50.000			Recovery = 74.72%			
85) Terphenyl-d14	11.565	244	401103	39.95	ppb	-0.11
Spiked Amount 50.000			Recovery = 79.90%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32848.D
Acq On : 18 Jun 2014 3:36 am
Operator : ashleyd
Sample : jb69123-5
Misc : op75688,e3p1406,31.9
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 17:45:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32849.D
Acq On : 18 Jun 2014 4:01 am
Operator : ashleyd
Sample : jb69123-6
Misc : op75688,e3p1406,32.5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 18 17:47:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

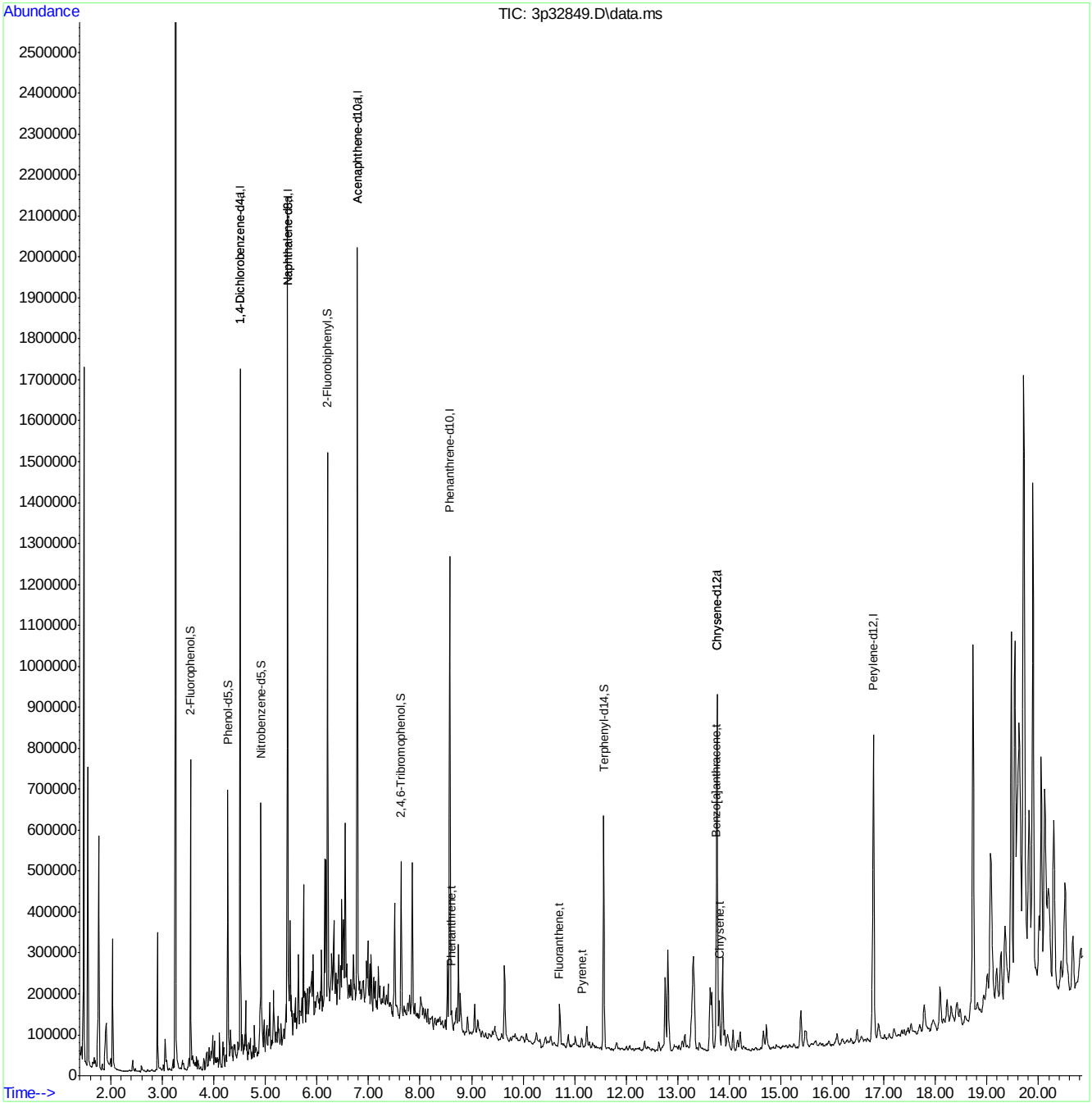
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	202522	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	712861	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	348773	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	530036	40.00	ppb	-0.10
83) Chrysene-d12	13.764	240	453435	40.00	ppb	-0.11
91) Perylene-d12	16.802	264	382103	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	202522	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	348773	40.00	ppb	-0.08
106) Chrysene-d12a	13.764	240	453435	40.00	ppb	-0.11
108) Naphthalene-d8a	5.425	136	712861	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	187212	27.94	ppb	-0.04
Spiked Amount 50.000			Recovery = 55.88%			
8) Phenol-d5	4.264	99	218832	28.04	ppb	-0.04
Spiked Amount 50.000			Recovery = 56.08%			
25) Nitrobenzene-d5	4.912	82	182666	30.98	ppb	-0.06
Spiked Amount 50.000			Recovery = 61.96%			
51) 2-Fluorobiphenyl	6.206	172	348507	31.40	ppb	-0.07
Spiked Amount 50.000			Recovery = 62.80%			
73) 2,4,6-Tribromophenol	7.634	330	40079	29.76	ppb	-0.09
Spiked Amount 50.000			Recovery = 59.52%			
85) Terphenyl-d14	11.565	244	266267	29.86	ppb	-0.11
Spiked Amount 50.000			Recovery = 59.72%			
Target Compounds						Qvalue
77) Phenanthrene	8.607	178	13920	0.92	ppb	97
81) Fluoranthene	10.699	202	8952	0.54	ppb	89
84) Pyrene	11.132	202	12186	0.81	ppb	99
87) Benzo[a]anthracene	13.748	228	7543	0.59	ppb	95
89) Chrysene	13.812	228	5945	0.53	ppb	92

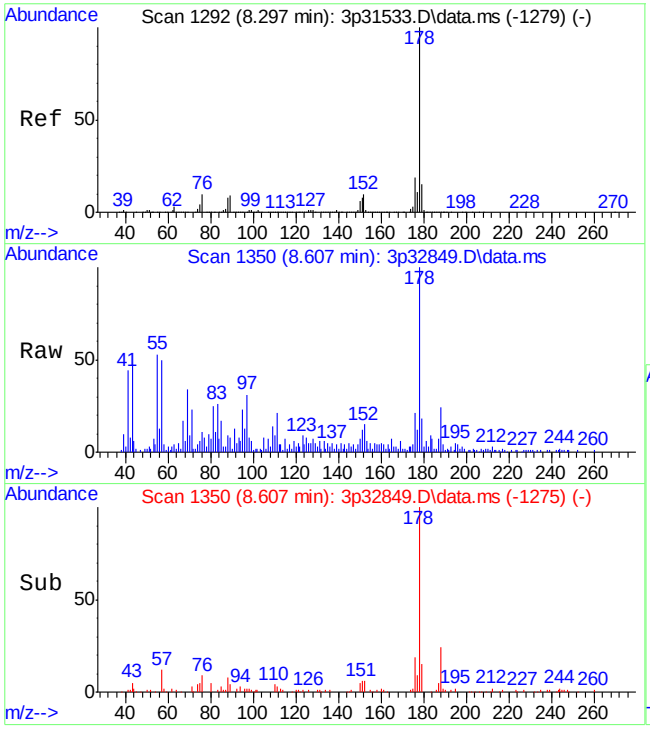
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32849.D
Acq On : 18 Jun 2014 4:01 am
Operator : ashleyd
Sample : jb69123-6
Misc : op75688,e3p1406,32.5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 18 17:47:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

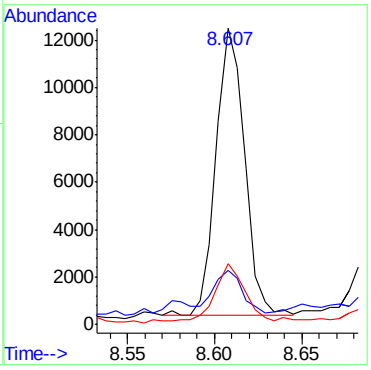


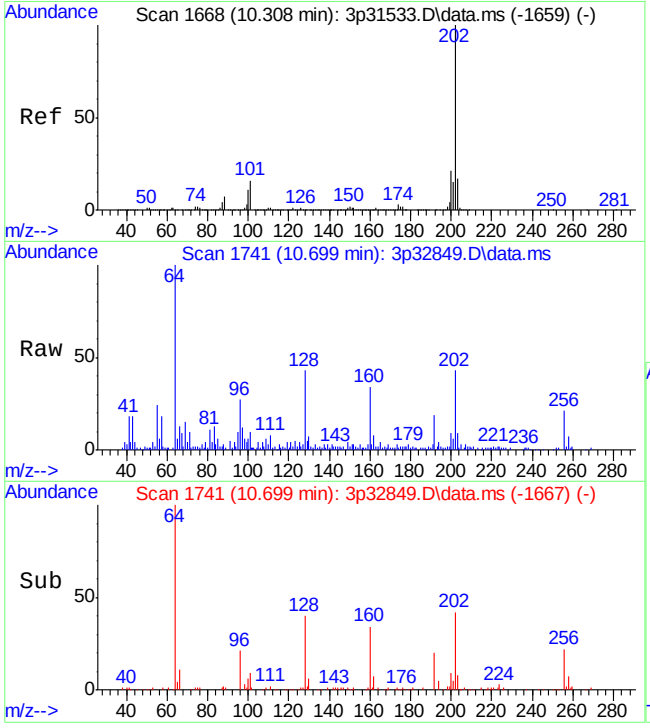


#77
Phenanthrene
Concen: 0.92 ppb
RT: 8.607 min Scan# 1350
Delta R.T. -0.102 min
Lab File: 3p32849.D
Acq: 18 Jun 2014 4:01 am

Tgt Ion:178 Resp: 13920

Ion	Ratio	Lower	Upper
178	100		
179	13.5	0.0	45.3
176	19.8	0.0	48.9

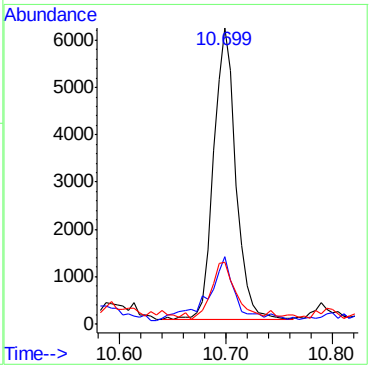


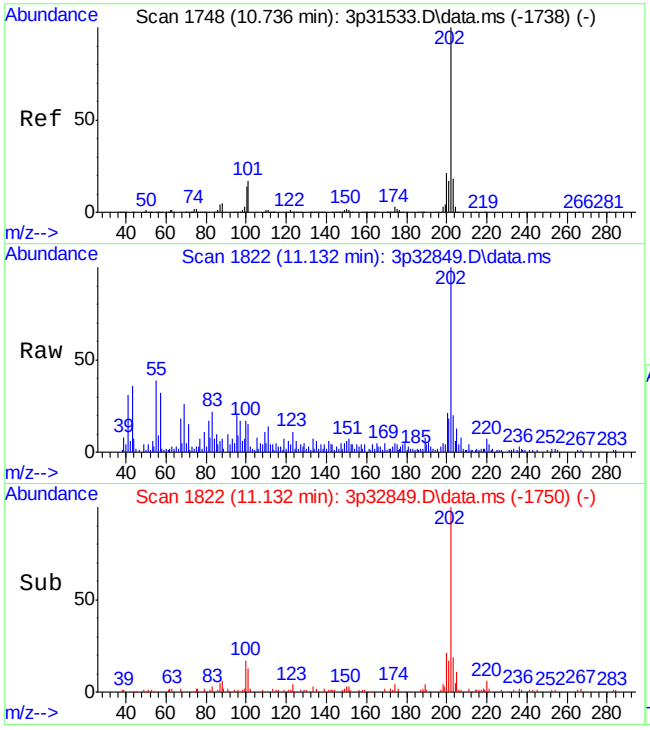


#81
Fluoranthene
Concen: 0.54 ppb
RT: 10.699 min Scan# 1741
Delta R.T. -0.107 min
Lab File: 3p32849.D
Acq: 18 Jun 2014 4:01 am

Tgt Ion:202 Resp: 8952

Ion	Ratio	Lower	Upper
202	100		
101	22.9	0.0	43.1
203	17.4	0.0	47.3

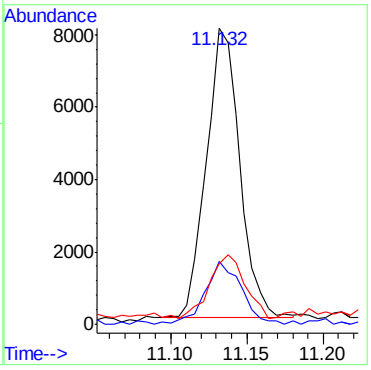


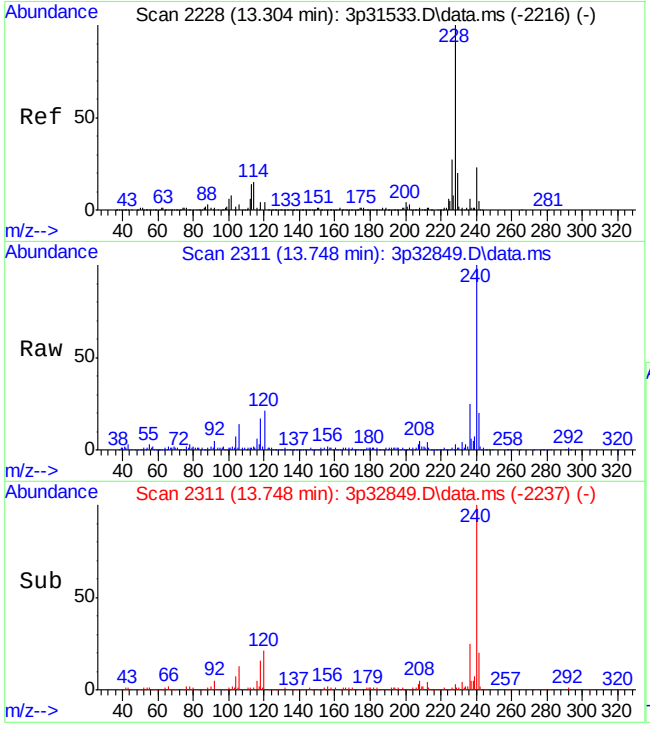


#84
Pyrene
Concen: 0.81 ppb
RT: 11.132 min Scan# 1822
Delta R.T. -0.112 min
Lab File: 3p32849.D
Acq: 18 Jun 2014 4:01 am

Tgt Ion:202 Resp: 12186

Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.0	50.6
203	17.7	0.0	48.0

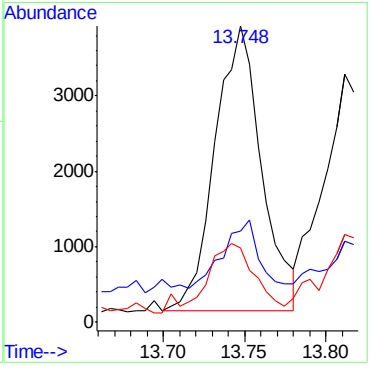


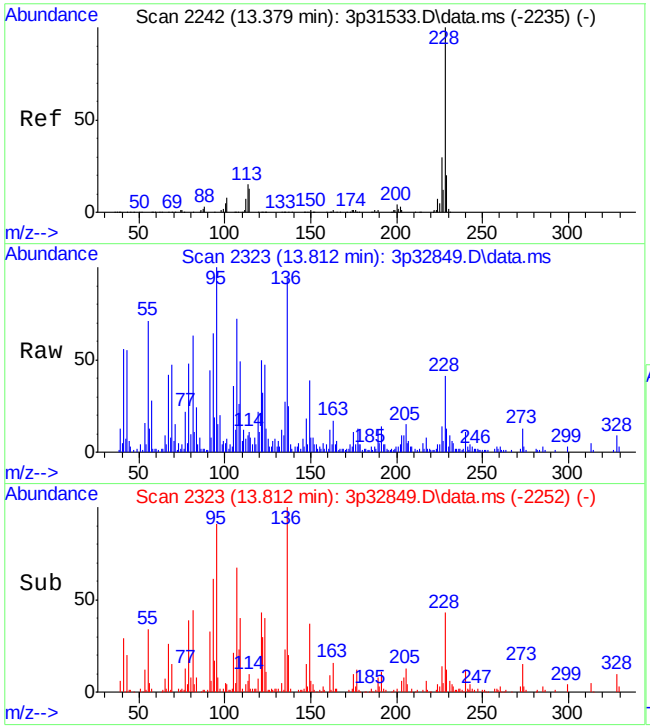


#87
Benzo[a]anthracene
Concen: 0.59 ppb
RT: 13.748 min Scan# 2311
Delta R.T. -0.102 min
Lab File: 3p32849.D
Acq: 18 Jun 2014 4:01 am

Tgt Ion:228 Resp: 7543

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	49.9
226	22.1	0.0	55.9

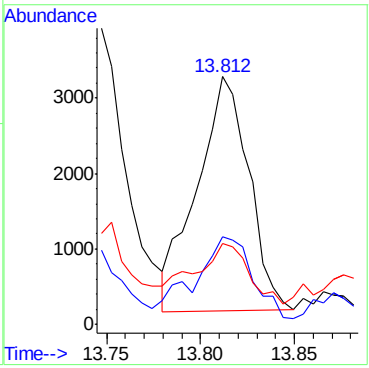




#89
Chrysene
Concen: 0.53 ppb
RT: 13.812 min Scan# 2323
Delta R.T. -0.118 min
Lab File: 3p32849.D
Acq: 18 Jun 2014 4:01 am

Tgt Ion:228 Resp: 5945

Ion	Ratio	Lower	Upper
228	100		
226	34.2	0.0	59.2
229	22.4	0.0	49.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92979.D
Acq On : 27 Jun 2014 1:14 pm
Operator : ashleyd
Sample : jb69123-7
Misc : op75710,ez4620,920,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 17:31:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

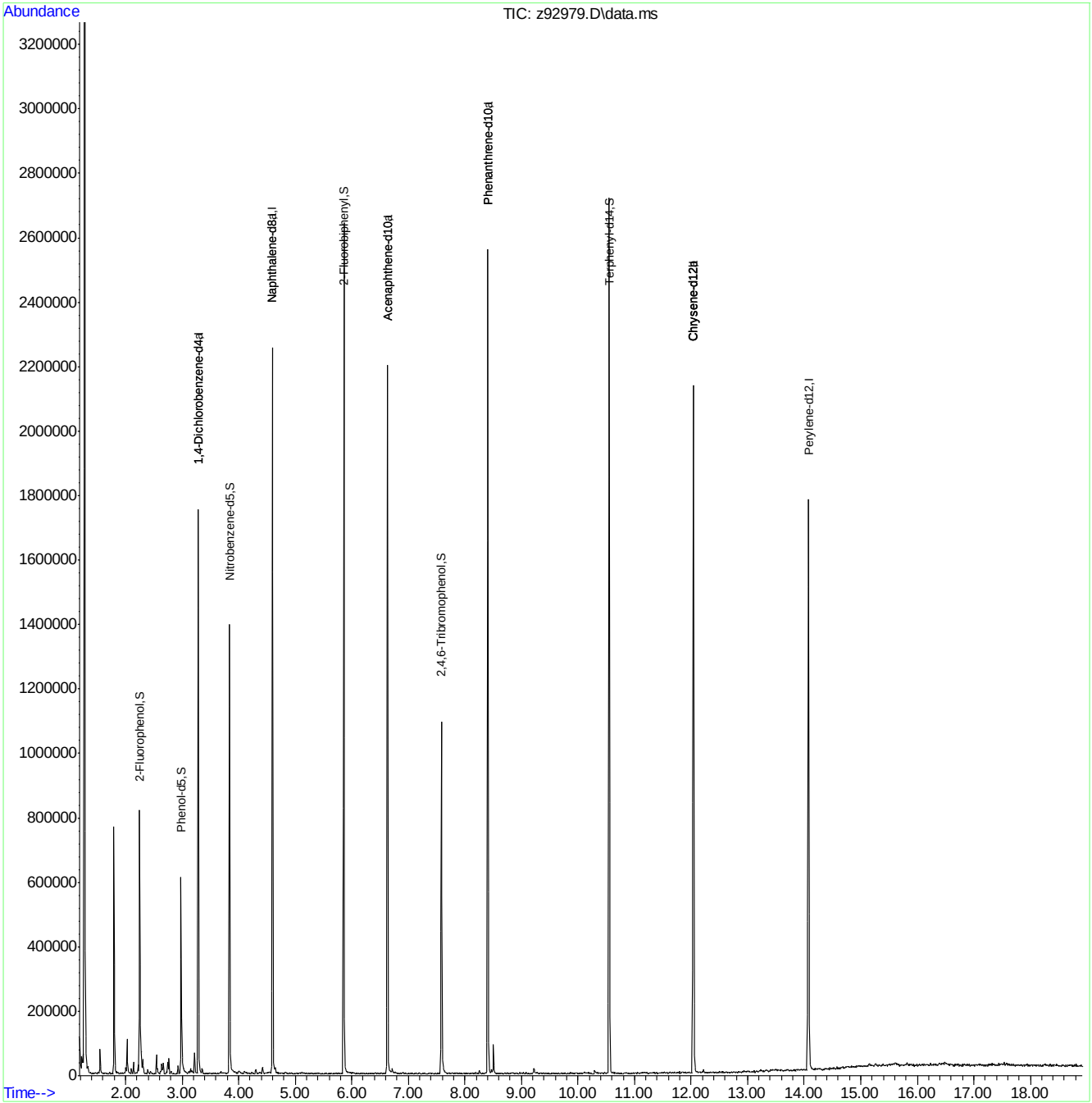
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.287	152	203533	40.00	ppb	-0.06
24) Naphthalene-d8	4.595	136	822362	40.00	ppb	-0.06
47) Acenaphthene-d10	6.636	164	487591	40.00	ppb	-0.06
69) Phenanthrene-d10	8.405	188	864959	40.00	ppb	-0.07
83) Chrysene-d12	12.043	240	903303	40.00	ppb	-0.09
92) Perylene-d12	14.078	264	751846	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4a	3.287	152	203533	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.405	188	864959	40.00	ppb	-0.07
106) Chrysene-d12a	12.043	240	903303	40.00	ppb	-0.09
108) Acenaphthene-d10a	6.636	164	487591	40.00	ppb	-0.06
110) Naphthalene-d8a	4.595	136	822362	40.00	ppb	-0.06
112) Chrysene-d12b	12.043	240	903303	40.00	ppb	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	2.250	112	180196	34.79	ppb	-0.04
Spiked Amount 50.000			Recovery = 69.58%			
8) Phenol-d5	2.982	99	158030	21.57	ppb	-0.06
Spiked Amount 50.000			Recovery = 43.14%			
25) Nitrobenzene-d5	3.837	82	362072	48.24	ppb	-0.06
Spiked Amount 50.000			Recovery = 96.48%			
51) 2-Fluorobiphenyl	5.862	172	710977	49.63	ppb	-0.06
Spiked Amount 50.000			Recovery = 99.26%			
73) 2,4,6-Tribromophenol	7.587	330	114811	47.60	ppb	-0.07
Spiked Amount 50.000			Recovery = 95.20%			
86) Terphenyl-d14	10.552	244	882797	51.36	ppb	-0.08
Spiked Amount 50.000			Recovery = 102.72%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92979.D
Acq On : 27 Jun 2014 1:14 pm
Operator : ashleyd
Sample : jb69123-7
Misc : op75710,ez4620,920,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 29 17:31:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36374.D Vial: 8
Acq On : 25 Jun 2014 7:59 pm Operator: saraw
Sample : jb69123-7 Inst : MSF
Misc : op75815,ef5710,900,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 08:05:21 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 08:05:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

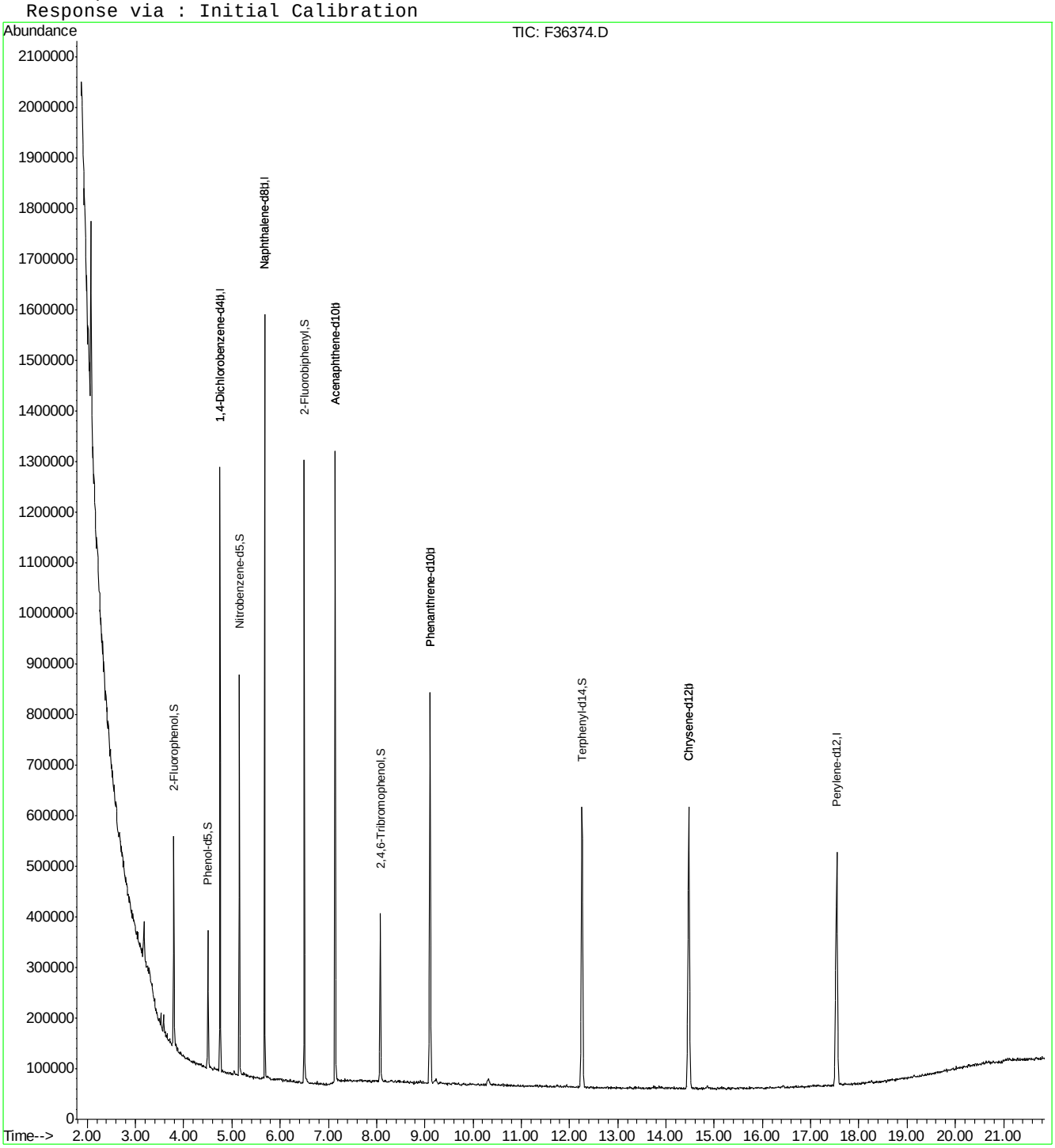
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	137724	40.00	ppb	-0.05
24) Naphthalene-d8	5.68	136	505487	40.00	ppb	-0.05
47) Acenaphthene-d10	7.14	164	286055	40.00	ppb	-0.03
69) Phenanthrene-d10	9.11	188	452653	40.00	ppb	0.01
83) Chrysene-d12	14.48	240	438587	40.00	ppb	0.07
92) Perylene-d12	17.54	264	388692	40.00	ppb	0.09
102) 1,4-Dichlorobenzene-d4b	4.76	152	137724	40.00	ppb	-0.05
104) Naphthalene-d8b	5.68	136	505487	40.00	ppb	0.08
106) Acenaphthene-d10b	7.14	164	286055	40.00	ppb	-0.03
108) Phenanthrene-d10b	9.11	188	452653	40.00	ppb	0.21
110) Chrysene-d12b	14.48	240	438587	40.00	ppb	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.79	112	108021	21.74	ppb	-0.04
Spiked Amount 50.000			Recovery = 43.48%			
8) Phenol-d5	4.50	99	88194	14.17	ppb	-0.04
Spiked Amount 50.000			Recovery = 28.34%			
25) Nitrobenzene-d5	5.16	82	191180	35.85	ppb	-0.05
Spiked Amount 50.000			Recovery = 71.70%			
51) 2-Fluorobiphenyl	6.50	172	348041	34.93	ppb	-0.04
Spiked Amount 50.000			Recovery = 69.86%			
73) 2,4,6-Tribromophenol	8.08	330	42468	41.78	ppb	0.00
Spiked Amount 50.000			Recovery = 83.56%			
85) Terphenyl-d14	12.26	244	394119	39.53	ppb	0.10
Spiked Amount 50.000			Recovery = 79.06%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36374.D Vial: 8
Acq On : 25 Jun 2014 7:59 pm Operator: saraw
Sample : jb69123-7 Inst : MSF
Misc : op75815,ef5710,900,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 8:06 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 08:05:18 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32839.D
Acq On : 17 Jun 2014 11:48 pm
Operator : ashleyd
Sample : op75688-mb1
Misc : op75688,e3p1406,35.0
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 09:58:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

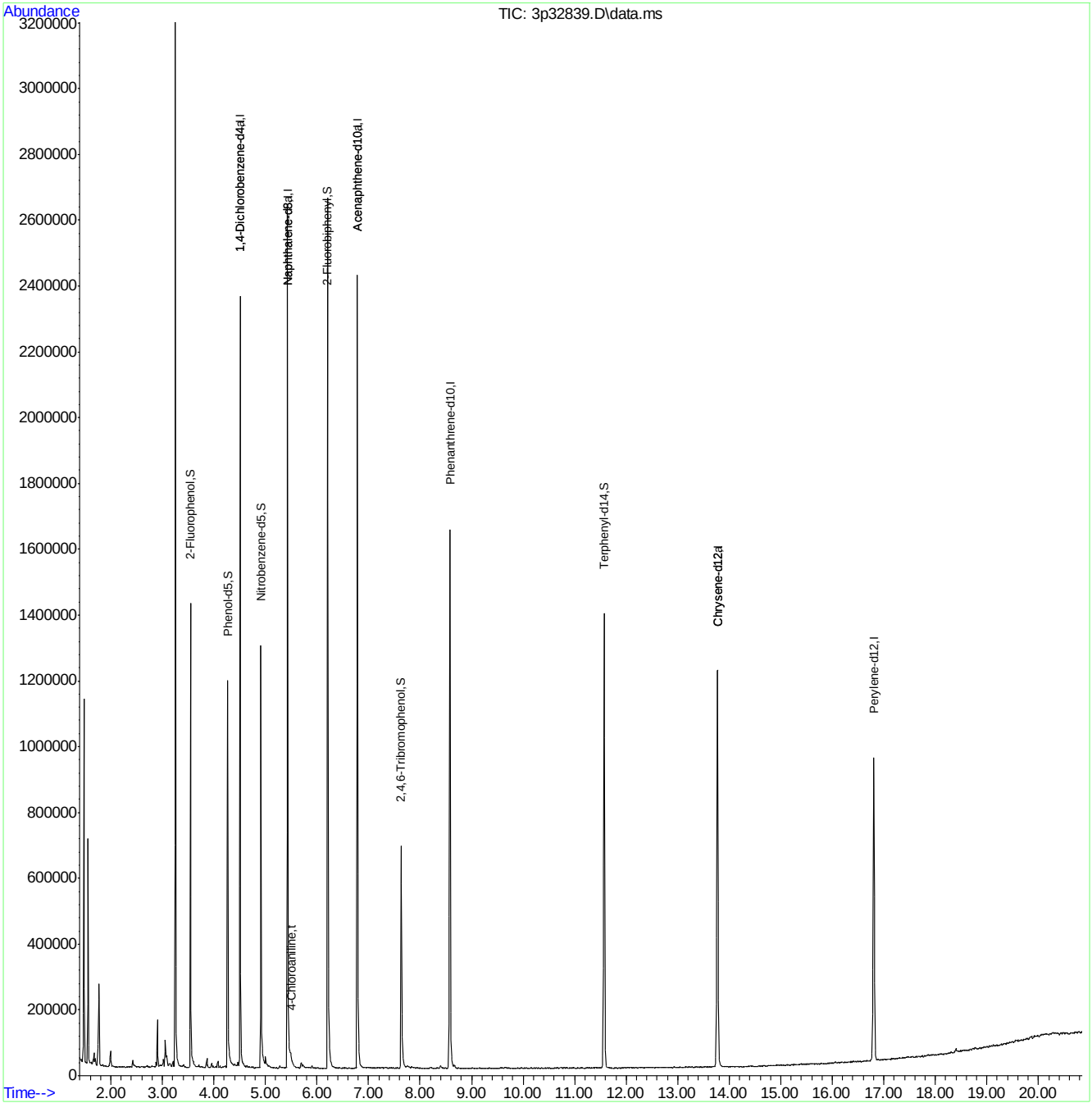
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	277186	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	1021894	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	543570	40.00	ppb	-0.08
69) Phenanthrene-d10	8.581	188	839068	40.00	ppb	-0.09
83) Chrysene-d12	13.774	240	711440	40.00	ppb	-0.10
91) Perylene-d12	16.807	264	518257	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	277186	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	543570	40.00	ppb	-0.08
106) Chrysene-d12a	13.774	240	711440	40.00	ppb	-0.10
108) Naphthalene-d8a	5.425	136	1021894	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	364327	39.72	ppb	-0.04
Spiked Amount 50.000			Recovery =	79.44%		
8) Phenol-d5	4.264	99	435731	40.80	ppb	-0.04
Spiked Amount 50.000			Recovery =	81.60%		
25) Nitrobenzene-d5	4.912	82	392747	46.46	ppb	-0.06
Spiked Amount 50.000			Recovery =	92.92%		
51) 2-Fluorobiphenyl	6.206	172	793325	45.87	ppb	-0.07
Spiked Amount 50.000			Recovery =	91.74%		
73) 2,4,6-Tribromophenol	7.634	330	95712	44.89	ppb	-0.09
Spiked Amount 50.000			Recovery =	89.78%		
85) Terphenyl-d14	11.576	244	695144	49.68	ppb	-0.10
Spiked Amount 50.000			Recovery =	99.36%		
Target Compounds						Qvalue
39) 4-Chloroaniline	5.495	127	7803	0.70	ppb	99

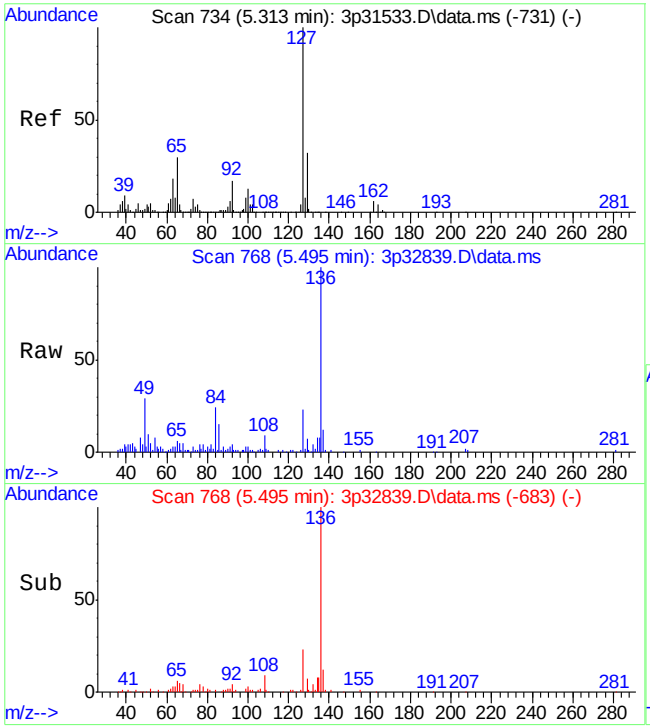
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32839.D
Acq On : 17 Jun 2014 11:48 pm
Operator : ashleyd
Sample : op75688-mb1
Misc : op75688,e3p1406,35.0
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 09:58:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

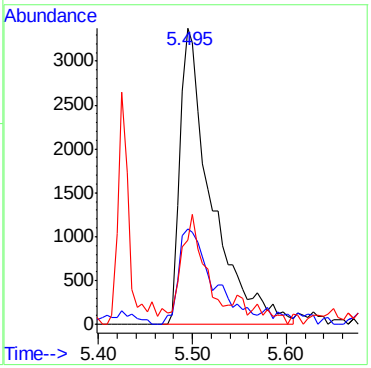




#39
4-Chloroaniline
Concen: 0.70 ppb
RT: 5.495 min Scan# 768
Delta R.T. -0.048 min
Lab File: 3p32839.D
Acq: 17 Jun 2014 11:48 pm

Tgt Ion:127 Resp: 7803

Ion	Ratio	Lower	Upper
127	100		
129	31.7	2.5	62.5
65	24.2	0.0	54.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64667.D
Acq On : 19 Jun 2014 11:17 am
Operator : saumilp
Sample : op75710-mb1
Misc : op75710,E2M2741,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 13:24:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.550	152	265948	40.00	ppb	0.00
24) Naphthalene-d8	5.614	136	1065256	40.00	ppb	0.00
47) Acenaphthene-d10	7.631	164	614458	40.00	ppb	0.00
69) Phenanthrene-d10	9.781	188	950757	40.00	ppb	0.00
83) Chrysene-d12	13.931	240	788580	40.00	ppb	-0.01
92) Perylene-d12	16.044	264	647520	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.550	152	265948	40.00	ppb	0.00
104) Acenaphthene-d10a	7.631	164	614458	40.00	ppb	0.00
106) Chrysene-d12a	13.931	240	788580	40.00	ppb	-0.01
108) Phenanthrene-d10a	9.781	188	950757	40.00	ppb	0.00
110) Naphthalene-d8a	5.614	136	1065256	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.646	112	263566	25.28	ppb	0.00
Spiked Amount 50.000			Recovery = 50.56%			
8) Phenol-d5	4.373	99	237741	17.56	ppb	0.00
Spiked Amount 50.000			Recovery = 35.12%			
25) Nitrobenzene-d5	5.005	82	519052	46.12	ppb	0.00
Spiked Amount 50.000			Recovery = 92.24%			
51) 2-Fluorobiphenyl	6.775	172	864930	41.67	ppb	0.00
Spiked Amount 50.000			Recovery = 83.34%			
73) 2,4,6-Tribromophenol	8.765	330	66252	32.24	ppb	0.00
Spiked Amount 50.000			Recovery = 64.48%			
85) Terphenyl-d14	12.305	244	740188	43.45	ppb	0.00
Spiked Amount 50.000			Recovery = 86.90%			

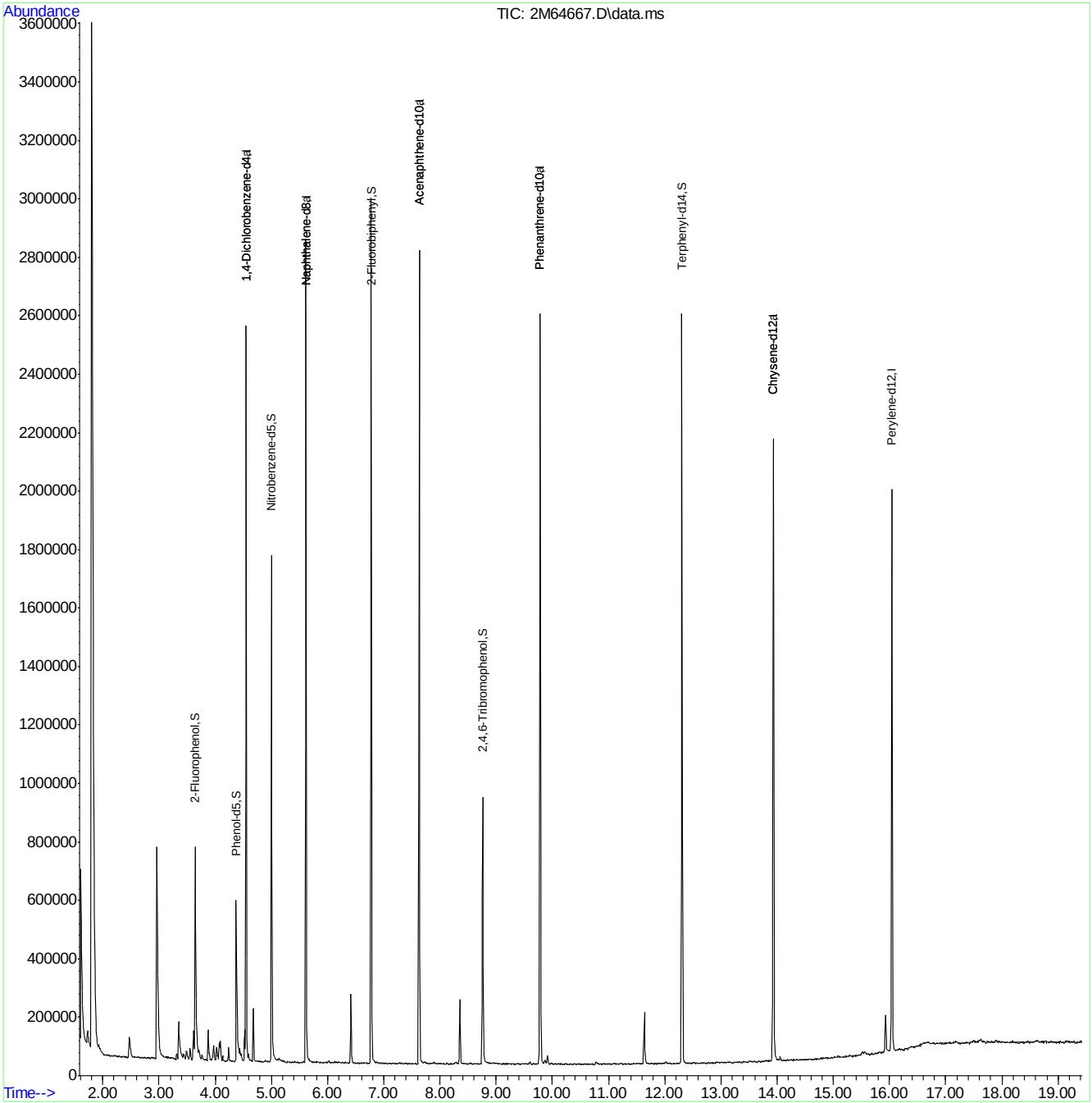
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64667.D
Acq On : 19 Jun 2014 11:17 am
Operator : saumilp
Sample : op75710-mb1
Misc : op75710,E2M2741,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 13:24:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92986.D
Acq On : 27 Jun 2014 12:48 pm
Operator : ashleyd
Sample : op75710-mb1
Misc : op75710,ez4620,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 17:40:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

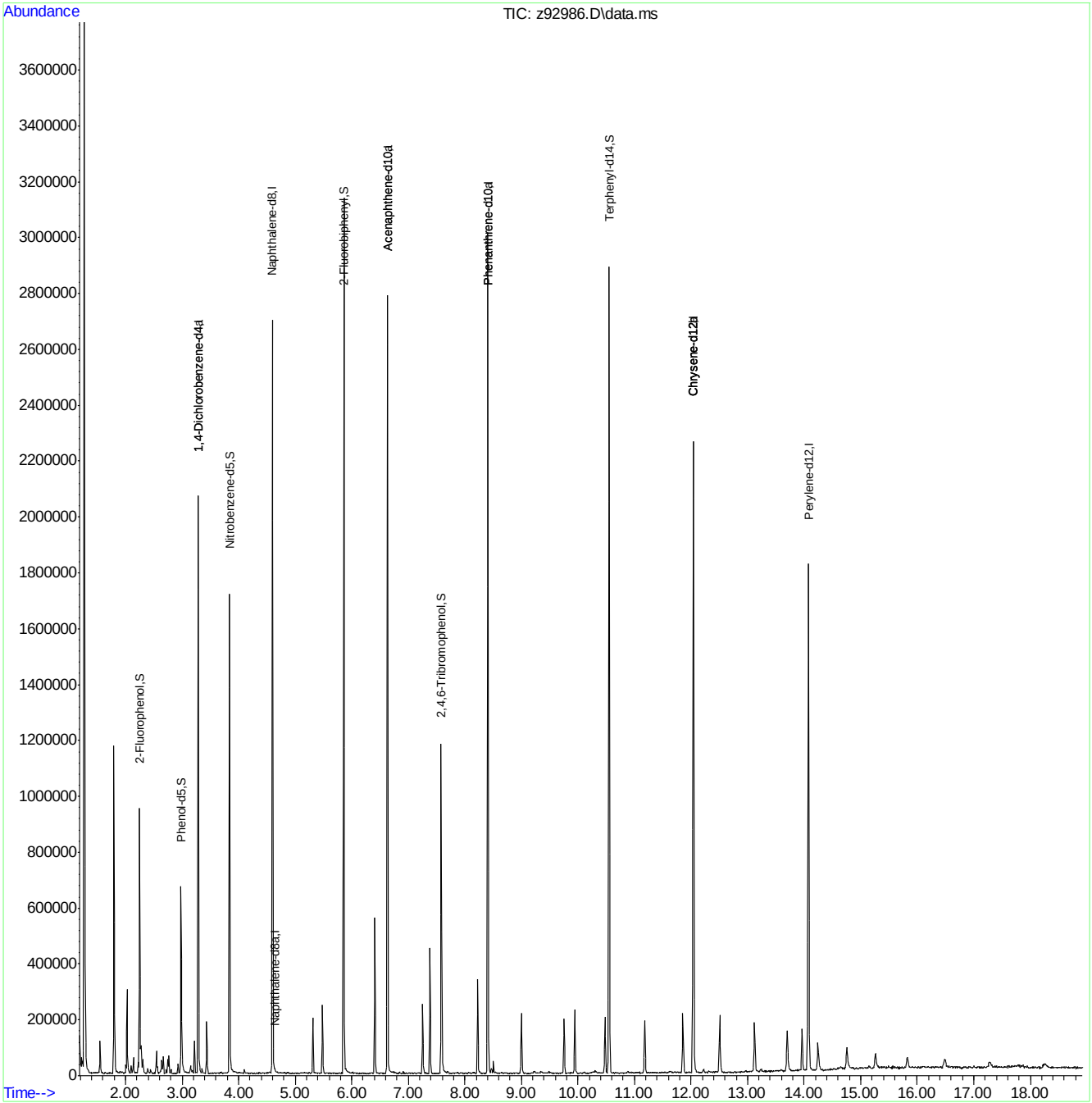
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.287	152	247116	40.00	ppb	-0.06
24) Naphthalene-d8	4.596	136	1002625	40.00	ppb	-0.06
47) Acenaphthene-d10	6.636	164	598957	40.00	ppb	-0.06
69) Phenanthrene-d10	8.405	188	1029429	40.00	ppb	-0.07
83) Chrysene-d12	12.043	240	946888	40.00	ppb	-0.09
92) Perylene-d12	14.078	264	771635	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4a	3.287	152	247116	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.405	188	1029429	40.00	ppb	-0.07
106) Chrysene-d12a	12.043	240	946888	40.00	ppb	-0.09
108) Acenaphthene-d10a	6.636	164	598957	40.00	ppb	-0.06
110) Naphthalene-d8a	4.649	136	1526	40.00	ppb	0.00
112) Chrysene-d12b	12.043	240	946888	40.00	ppb	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	2.245	112	197746	31.45	ppb	-0.04
Spiked Amount 50.000			Recovery =	62.90%		
8) Phenol-d5	2.982	99	171509	19.28	ppb	-0.06
Spiked Amount 50.000			Recovery =	38.56%		
25) Nitrobenzene-d5	3.837	82	441424	48.24	ppb	-0.06
Spiked Amount 50.000			Recovery =	96.48%		
51) 2-Fluorobiphenyl	5.862	172	867444	49.30	ppb	-0.06
Spiked Amount 50.000			Recovery =	98.60%		
73) 2,4,6-Tribromophenol	7.587	330	121432	42.30	ppb	-0.07
Spiked Amount 50.000			Recovery =	84.60%		
86) Terphenyl-d14	10.552	244	937783	52.04	ppb	-0.08
Spiked Amount 50.000			Recovery =	104.08%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92986.D
Acq On : 27 Jun 2014 12:48 pm
Operator : ashleyd
Sample : op75710-mb1
Misc : op75710,ez4620,1000,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 17:40:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8384.D
Acq On : 1 Jul 2014 11:42 am
Operator : saraw
Sample : op75710-mb1
Misc : op75710,e6p362,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 20:29:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

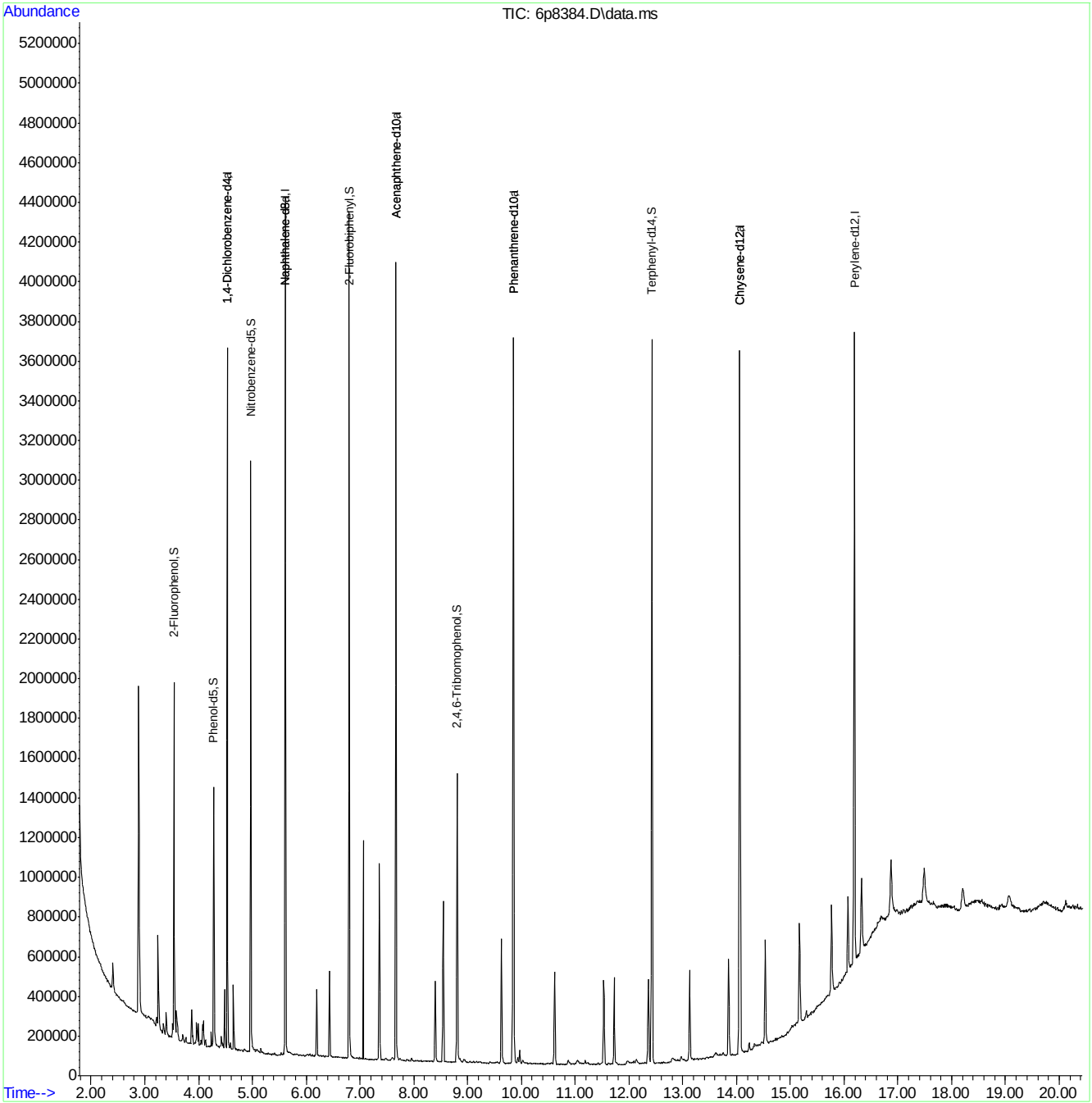
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	395344	40.00	ppb	0.00
24) Naphthalene-d8	5.611	136	1600796	40.00	ppb	0.00
47) Acenaphthene-d10	7.670	164	1029892	40.00	ppb	0.01
69) Phenanthrene-d10	9.853	188	1661718	40.00	ppb	0.02
83) Chrysene-d12	14.062	240	1752732	40.00	ppb	0.03
92) Perylene-d12	16.196	264	1631840	40.00	ppb	0.05
102) 1,4-Dichlorobenzene-d4a	4.531	152	395344	40.00	ppb	0.00
104) Phenanthrene-d10a	9.853	188	1661718	40.00	ppb	0.03
106) Chrysene-d12a	14.062	240	1752732	40.00	ppb	0.05
108) Acenaphthene-d10a	7.670	164	1029892	40.00	ppb	0.02
110) Naphthalene-d8a	5.611	136	1600796	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.541	112	471728	31.10	ppb	0.01
Spiked Amount 50.000			Recovery = 62.20%			
8) Phenol-d5	4.279	99	435230	22.93	ppb	0.00
Spiked Amount 50.000			Recovery = 45.86%			
25) Nitrobenzene-d5	4.969	82	840894	46.87	ppb	0.00
Spiked Amount 50.000			Recovery = 93.74%			
51) 2-Fluorobiphenyl	6.798	172	1392220	41.00	ppb	0.00
Spiked Amount 50.000			Recovery = 82.00%			
73) 2,4,6-Tribromophenol	8.804	330	187715	42.47	ppb	0.02
Spiked Amount 50.000			Recovery = 84.94%			
86) Terphenyl-d14	12.431	244	1617701	41.25	ppb	0.03
Spiked Amount 50.000			Recovery = 82.50%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8384.D
Acq On : 1 Jul 2014 11:42 am
Operator : saraw
Sample : op75710-mb1
Misc : op75710,e6p362,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 20:29:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92745.D
Acq On : 18 Jun 2014 10:53 pm
Operator : andrews1
Sample : op75724-mb1
Misc : op75724,ez4607,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 14:35:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 15 13:03:48 2014
Response via : Initial Calibration

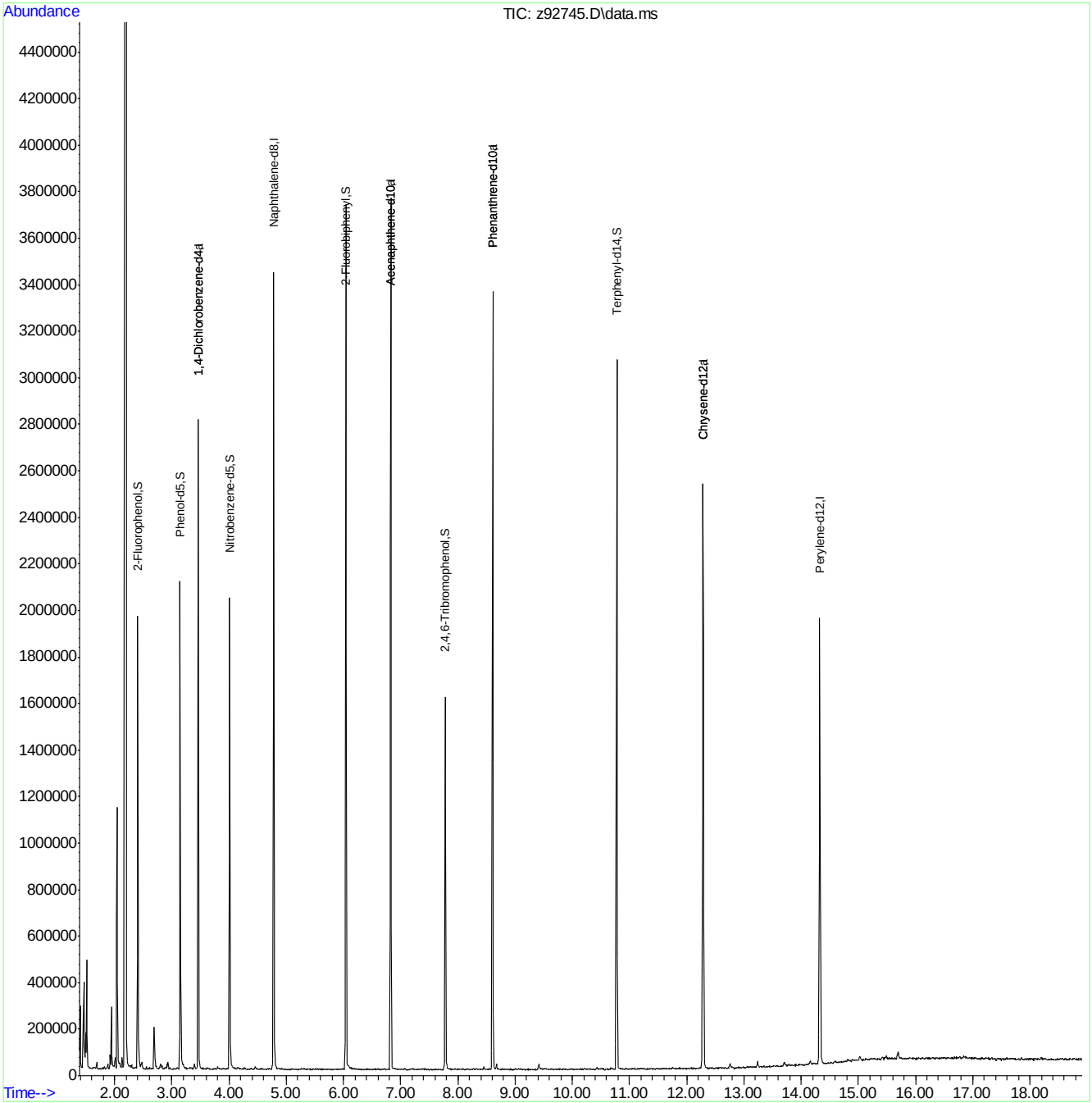
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.460	152	336033	40.00	ppb	-0.07
24) Naphthalene-d8	4.779	136	1305448	40.00	ppb	-0.09
47) Acenaphthene-d10	6.825	164	758615	40.00	ppb	-0.09
69) Phenanthrene-d10	8.610	188	1243003	40.00	ppb	-0.10
83) Chrysene-d12	12.285	240	1008085	40.00	ppb	-0.13
92) Perylene-d12	14.326	264	849520	40.00	ppb	-0.13
102) 1,4-Dichlorobenzene-d4a	3.460	152	336033	40.00	ppb	-0.07
104) Phenanthrene-d10a	8.610	188	1243003	40.00	ppb	-0.10
106) Chrysene-d12a	12.285	240	1008085	40.00	ppb	-0.13
108) Acenaphthene-d10a	6.825	164	758615	40.00	ppb	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	2.402	112	395822	34.47	ppb	-0.07
Spiked Amount 50.000			Recovery = 68.94%			
8) Phenol-d5	3.145	99	506990	35.05	ppb	-0.08
Spiked Amount 50.000			Recovery = 70.10%			
25) Nitrobenzene-d5	4.010	82	541393	47.06	ppb	-0.09
Spiked Amount 50.000			Recovery = 94.12%			
51) 2-Fluorobiphenyl	6.045	172	978805	40.70	ppb	-0.09
Spiked Amount 50.000			Recovery = 81.40%			
73) 2,4,6-Tribromophenol	7.776	330	147811	48.67	ppb	-0.10
Spiked Amount 50.000			Recovery = 97.34%			
86) Terphenyl-d14	10.779	244	1049719	51.78	ppb	-0.11
Spiked Amount 50.000			Recovery = 103.56%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92745.D
Acq On : 18 Jun 2014 10:53 pm
Operator : andrews1
Sample : op75724-mb1
Misc : op75724,ez4607,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 14:35:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 15 13:03:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33250.D
Acq On : 27 Jun 2014 2:26 pm
Operator : samtap
Sample : op75724-mb1
Misc : op75724,e3p1419,35.0,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 27 15:51:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

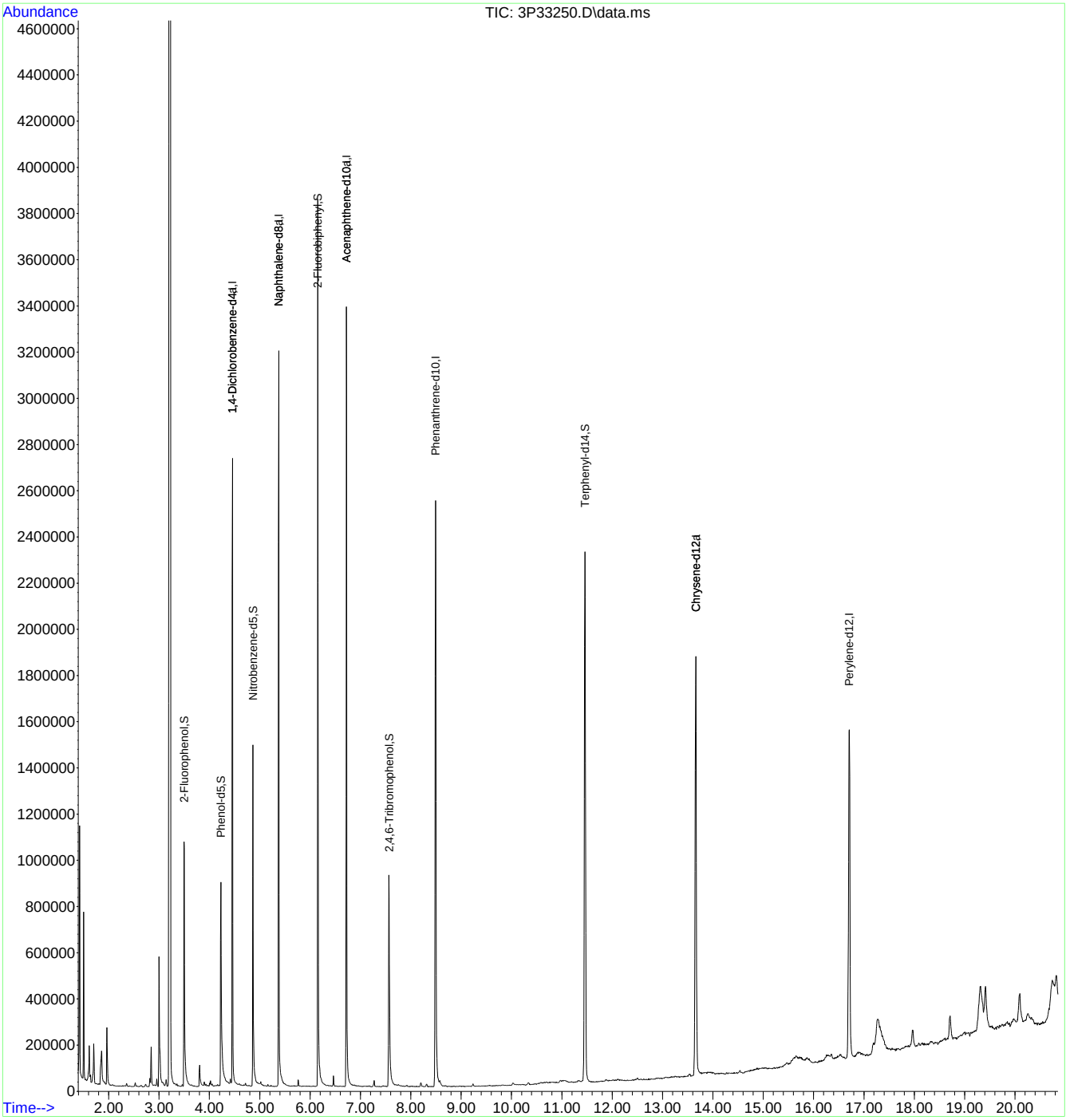
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.457	152	342432	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	1193095	40.00	ppb	0.00
47) Acenaphthene-d10	6.719	164	743539	40.00	ppb	0.00
69) Phenanthrene-d10	8.490	188	1298413	40.00	ppb	0.00
83) Chrysene-d12	13.662	240	1243689	40.00	ppb	0.02
91) Perylene-d12	16.705	264	1069926	40.00	ppb	0.02
101) 1,4-Dichlorobenzene-d4a	4.457	152	342432	40.00	ppb	0.00
103) Acenaphthene-d10a	6.719	164	743539	40.00	ppb	0.00
106) Chrysene-d12a	13.662	240	1243689	40.00	ppb	0.02
108) Naphthalene-d8a	5.377	136	1193095	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.500	112	351420	36.67	ppb	0.01
Spiked Amount 50.000			Recovery = 73.34%			
8) Phenol-d5	4.227	99	434701	36.95	ppb	0.01
Spiked Amount 50.000			Recovery = 73.90%			
25) Nitrobenzene-d5	4.864	82	457116	41.47	ppb	0.00
Spiked Amount 50.000			Recovery = 82.94%			
51) 2-Fluorobiphenyl	6.153	172	1024308	40.91	ppb	0.00
Spiked Amount 50.000			Recovery = 81.82%			
73) 2,4,6-Tribromophenol	7.570	330	171223	40.87	ppb	0.02
Spiked Amount 50.000			Recovery = 81.74%			
85) Terphenyl-d14	11.458	244	1306702	50.88	ppb	0.01
Spiked Amount 50.000			Recovery = 101.76%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33250.D
Acq On : 27 Jun 2014 2:26 pm
Operator : samtap
Sample : op75724-mb1
Misc : op75724,e3p1419,35.0,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 27 15:51:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/18/14 10:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32840.D
Acq On : 18 Jun 2014 12:13 am
Operator : ashleyd
Sample : op75688-bs1
Misc : op75688,e3p1406,35.0
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 10:48:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	244493	40.00	ppb	-0.06
24) Naphthalene-d8	5.431	136	960251	40.00	ppb	-0.06
47) Acenaphthene-d10	6.789	164	450003	40.00	ppb	-0.07
69) Phenanthrene-d10	8.581	188	712559	40.00	ppb	-0.09
83) Chrysene-d12	13.780	240	668457	40.00	ppb	-0.09
91) Perylene-d12	16.807	264	496509	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	244493	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.789	164	450003	40.00	ppb	-0.07
106) Chrysene-d12a	13.780	240	668457	40.00	ppb	-0.09
108) Naphthalene-d8a	5.431	136	960251	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	293630	36.30	ppb	-0.04
Spiked Amount 50.000			Recovery = 72.60%			
8) Phenol-d5	4.264	99	353806	37.56	ppb	-0.04
Spiked Amount 50.000			Recovery = 75.12%			
25) Nitrobenzene-d5	4.912	82	280851	35.36	ppb	-0.06
Spiked Amount 50.000			Recovery = 70.72%			
51) 2-Fluorobiphenyl	6.206	172	556671	38.88	ppb	-0.07
Spiked Amount 50.000			Recovery = 77.76%			
73) 2,4,6-Tribromophenol	7.634	330	78875	43.56	ppb	-0.09
Spiked Amount 50.000			Recovery = 87.12%			
85) Terphenyl-d14	11.571	244	574177	43.68	ppb	-0.11
Spiked Amount 50.000			Recovery = 87.36%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.013	88	76270	20.82	ppb	92
3) Pyridine	2.355	79	218303	23.97	ppb	85
4) N-Nitrosodimethylamine	2.318	42	141489	42.84	ppb	79
6) Indene	4.698	116	598223	42.17	ppb	97
7) Cumene	3.917	105	784870	36.33	ppb	99
9) Phenol	4.275	94	405763	38.60	ppb	99
10) Aniline	4.264	93	367003	34.92	ppb	86
11) bis(2-Chloroethyl)ether	4.313	93	288294	43.28	ppb	94
12) 2-Chlorophenol	4.361	128	345071	39.05	ppb	94
13) Decane	4.393	43	273153	44.75	ppb	83
14) 1,3-Dichlorobenzene	4.468	146	388351	38.35	ppb	99
15) 1,4-Dichlorobenzene	4.521	146	386335	38.39	ppb	98
16) Benzyl alcohol	4.617	108	206644	42.54	ppb	94
17) 1,2-Dichlorobenzene	4.634	146	373556	40.02	ppb	98
18) Acetophenone	4.799	105	456397	41.38	ppb	90
19) 2-Methylphenol	4.708	108	275147	42.87	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.708	45	348216m	52.81	ppb	
21) 3&4-Methylphenol	4.821	108	285550	42.73	ppb	98
22) n-Nitroso-di-n-propyla...	4.805	70	186059	43.43	ppb	94
23) Hexachloroethane	4.874	201	125305	39.10	ppb	82
26) Nitrobenzene	4.922	77	304285	36.49	ppb	91
27) Quinoline	5.687	129	640352	34.40	ppb	98
28) Isophorone	5.099	82	490463	34.80	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32840.D
Acq On : 18 Jun 2014 12:13 am
Operator : ashleyd
Sample : op75688-bs1
Misc : op75688,e3p1406,35.0
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 10:48:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.158	139	183391	38.70	ppb		96
30) 2,4-Dimethylphenol	5.195	107	300426	44.95	ppb		96
31) Benzoic acid	5.286	105	112200	21.15	ppb		96
32) bis(2-Chloroethoxy)met...	5.249	93	331325	38.99	ppb		99
33) 2,4-Dichlorophenol	5.340	162	271580	35.66	ppb		99
34) 2,6-Dichlorophenol	5.495	162	259727	35.91	ppb		97
36) 1,2,4-Trichlorobenzene	5.388	180	286799	33.53	ppb		96
38) Naphthalene	5.441	128	888383	35.66	ppb		99
39) 4-Chloroaniline	5.484	127	265039	25.42	ppb		97
40) 2,3-Dichloroaniline	6.147	161	326192	31.88	ppb		98
41) Caprolactam	5.746	113	99265	35.71	ppb		79
42) Hexachlorobutadiene	5.532	225	151548	33.66	ppb		98
43) 4-Chloro-3-methylphenol	5.842	107	260747	36.75	ppb	#	97
44) 2-Methylnaphthalene	5.939	141	519442	34.68	ppb		99
45) 1-Methylnaphthalene	6.008	141	568936	34.53	ppb		98
46) Dimethylnaphthalene	6.415	156	571638	34.60	ppb		98
48) Hexachlorocyclopentadiene	6.056	237	315423	90.54	ppb		99
49) 2,4,6-Trichlorophenol	6.158	196	175399	42.36	ppb		99
50) 2,4,5-Trichlorophenol	6.195	196	194080	42.02	ppb		97
52) 2-Chloronaphthalene	6.308	162	540689	40.51	ppb		98
53) Biphenyl	6.286	154	783546	41.33	ppb		99
54) 2-Nitroaniline	6.393	65	161857	50.84	ppb		97
55) Dimethylphthalate	6.538	163	609979	42.36	ppb		99
56) Acenaphthylene	6.655	152	788322	36.69	ppb		99
57) 2,6-Dinitrotoluene	6.591	165	142053	48.19	ppb		97
58) 3-Nitroaniline	6.752	138	140008	36.41	ppb		99
59) Acenaphthene	6.816	153	582181	44.66	ppb		99
60) 2,4-Dinitrophenol	6.859	184	153074	102.81	ppb	#	92
61) 4-Nitrophenol	6.939	109	83595	50.19	ppb		89
62) Dibenzofuran	6.987	168	761130	41.35	ppb		99
63) 2,4-Dinitrotoluene	6.976	165	189126	47.49	ppb		79
64) 2,3,4,6-Tetrachlorophenol	7.121	232	140473	42.41	ppb		99
65) Diethylphthalate	7.222	149	642118	44.09	ppb		99
66) Fluorene	7.351	166	665349	44.72	ppb		100
67) 4-Chlorophenyl-phenyle...	7.345	204	298746	45.24	ppb		98
68) 4-Nitroaniline	7.383	138	165279	42.29	ppb		98
70) 4,6-Dinitro-2-methylph...	7.426	198	98882	49.28	ppb	#	63
71) n-Nitrosodiphenylamine	7.490	169	449688	47.55	ppb		98
72) 1,2-Diphenylhydrazine	7.532	77	598764	47.93	ppb		93
74) 4-Bromophenyl-phenylether	7.950	248	165435	44.59	ppb		99
75) Hexachlorobenzene	8.041	284	174299	41.34	ppb		92
76) Pentachlorophenol	8.329	266	106735	41.45	ppb		99
77) Phenanthrene	8.618	178	880262	43.47	ppb		99
78) Anthracene	8.693	178	905583	45.90	ppb		99
79) Carbazole	8.971	167	869841	39.65	ppb		98
80) Di-n-butylphthalate	9.651	149	1145204	47.07	ppb		100
81) Fluoranthene	10.710	202	995122	44.75	ppb		100
82) Octadecane	8.490	57	415416	53.10	ppb		93
84) Pyrene	11.143	202	1001044	45.18	ppb		99
86) Butylbenzylphthalate	12.737	149	517510	49.93	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32840.D
Acq On : 18 Jun 2014 12:13 am
Operator : ashleyd
Sample : op75688-bs1
Misc : op75688,e3p1406,35.0
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 10:48:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

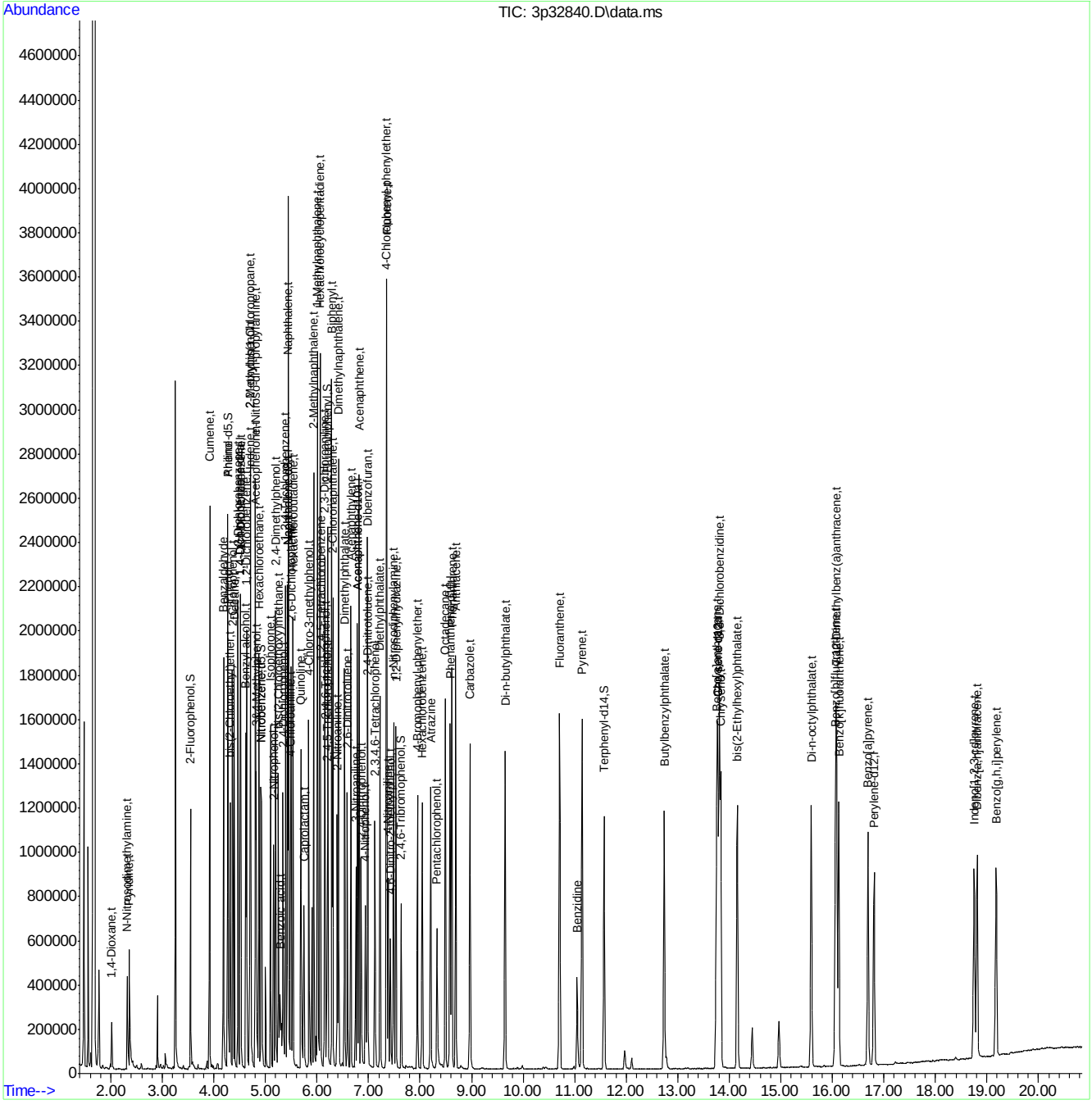
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo[a]anthracene	13.758	228	821103	43.93	ppb	99
88) 3,3'-Dichlorobenzidine	13.812	252	541725	80.69	ppb	98
89) Chrysene	13.833	228	751748	45.52	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.154	149	675224	50.92	ppb	98
92) Di-n-octylphthalate	15.593	149	1152161	58.90	ppb	98
93) Benzo[b]fluoranthene	16.064	252	755356	49.23	ppb	95
94) Benzo[k]fluoranthene	16.128	252	686731	46.54	ppb	98
95) Benzo[a]pyrene	16.695	252	646048	48.02	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.754	276	528182	40.09	ppb	92
98) Dibenz[a,h]anthracene	18.813	278	539737	40.97	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.080	256	374715	73.55	ppb	97
100) Benzo[g,h,i]perylene	19.182	276	537822	39.91	ppb	97
102) Benzaldehyde	4.184	105	271188	52.42	ppb	98
104) Atrazine	8.206	215	90130	52.20	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.067	216	265969	41.03	ppb	100
107) Benzidine	11.047	184	273898	32.10	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32840.D
Acq On : 18 Jun 2014 12:13 am
Operator : ashleyd
Sample : op75688-bs1
Misc : op75688,e3p1406,35.0
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 10:48:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

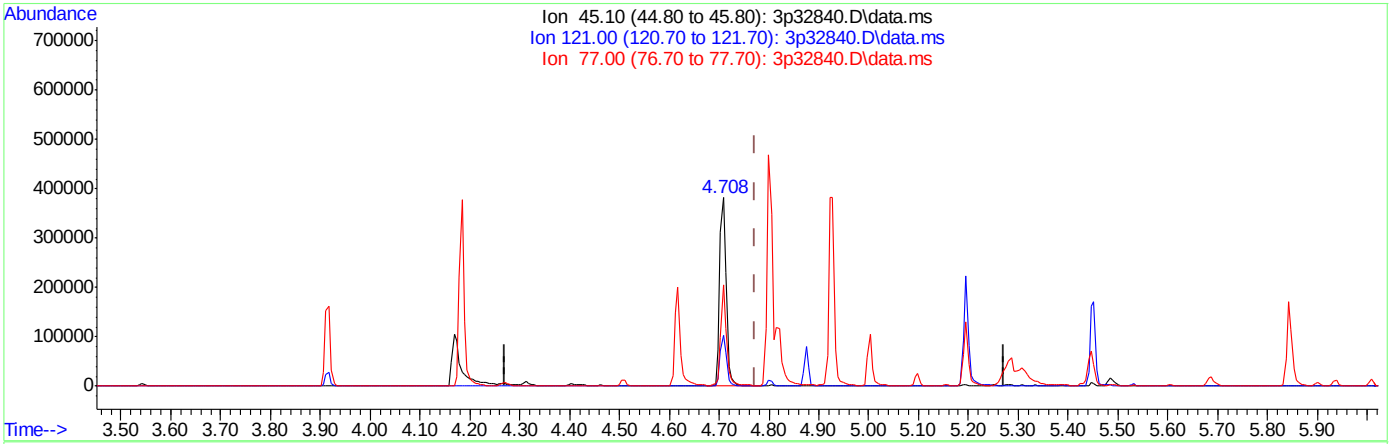
Sample Number: OP75688-BS1
Lab FileID: 3P32840.D
Injection Time: 06/18/14 00:13
Method: SW846 8270D
Analyst approved: 06/18/14 10:49 Samta Patel
Supervisor approved: 06/18/14 10:50 Nina Pandya

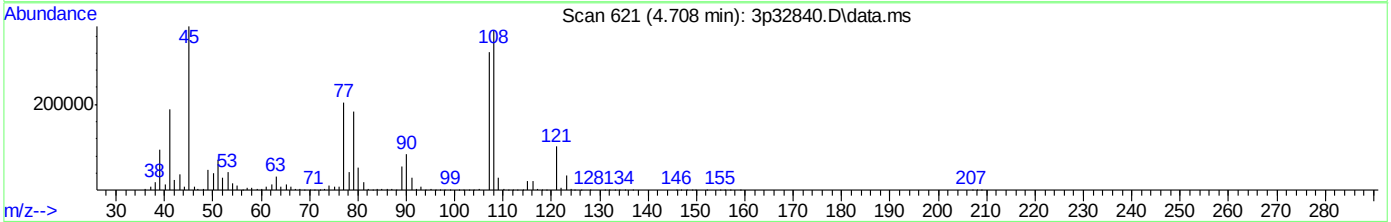
Parameter	CAS	Sig#	R.T. (min.)	Reason
bis(2-Chloroisopropyl)ether	108-60-1		4.71	Poor instrument integration

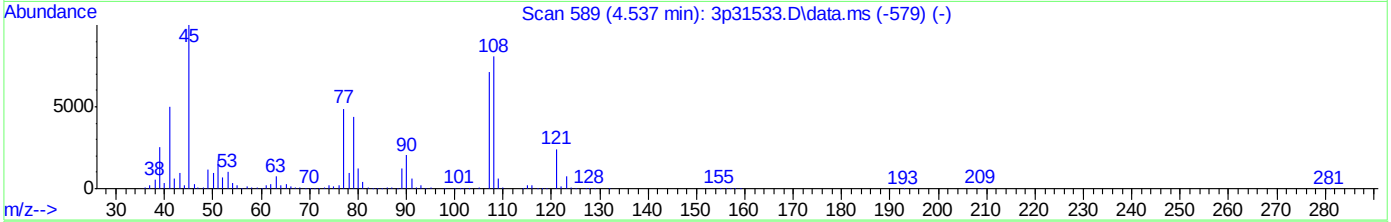
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32840.D
Acq On : 18 Jun 2014 12:13 am
Operator : ashleyd
Sample : op75688-bs1
Misc : op75688,e3p1406,35.0
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 10:01:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration







TIC: 3p32840.D\data.ms

(20) 2,2'-oxybis(1-Chloropropane (t)

4.708min (-0.064) 52.81ppb m

response 348216

Ion	Exp%	Act%
45.10	100	100
121.00	33.20	26.71
77.00	17.70	53.47#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64668.D
Acq On : 19 Jun 2014 11:43 am
Operator : saumilp
Sample : op75710-bs1
Misc : op75710,E2M2741,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 13:26:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.550	152	300366	40.00	ppb	0.00
24) Naphthalene-d8	5.620	136	1211528	40.00	ppb	0.00
47) Acenaphthene-d10	7.631	164	688961	40.00	ppb	0.00
69) Phenanthrene-d10	9.781	188	1059809	40.00	ppb	0.00
83) Chrysene-d12	13.937	240	990246	40.00	ppb	0.00
92) Perylene-d12	16.044	264	705197	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.550	152	300366	40.00	ppb	0.00
104) Acenaphthene-d10a	7.631	164	688961	40.00	ppb	0.00
106) Chrysene-d12a	13.937	240	990246	40.00	ppb	0.00
108) Phenanthrene-d10a	9.781	188	1059809	40.00	ppb	0.00
110) Naphthalene-d8a	5.620	136	1211528	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.646	112	277407	23.56	ppb	0.00
Spiked Amount 50.000			Recovery = 47.12%			
8) Phenol-d5	4.373	99	263901	17.26	ppb	0.00
Spiked Amount 50.000			Recovery = 34.52%			
25) Nitrobenzene-d5	5.005	82	567386	44.33	ppb	0.00
Spiked Amount 50.000			Recovery = 88.66%			
51) 2-Fluorobiphenyl	6.780	172	1013762	43.56	ppb	0.00
Spiked Amount 50.000			Recovery = 87.12%			
73) 2,4,6-Tribromophenol	8.765	330	78023	34.06	ppb	0.00
Spiked Amount 50.000			Recovery = 68.12%			
85) Terphenyl-d14	12.305	244	846173	39.56	ppb	0.00
Spiked Amount 50.000			Recovery = 79.12%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.095	88	133412	22.12	ppb	81
3) Pyridine	2.480	79	282652	19.58	ppb	77
4) N-Nitrosodimethylamine	2.432	74	205847	25.36	ppb	60
6) Indene	4.748	116	989946	47.43	ppb	99
7) Cumene	3.946	105	1386460	43.05	ppb	96
9) Phenol	4.384	94	343759	19.63	ppb	86
10) Aniline	4.347	93	301702	14.66	ppb	87
11) bis(2-Chloroethyl)ether	4.368	93	530054	44.78	ppb	93
12) 2-Chlorophenol	4.432	128	475452	37.50	ppb	93
13) Decane	4.411	43	433547	51.25	ppb	86
14) 1,3-Dichlorobenzene	4.507	146	528186	38.26	ppb	98
15) 1,4-Dichlorobenzene	4.566	146	553320	39.50	ppb	99
16) Benzyl alcohol	4.700	108	292948	32.44	ppb	78
17) 1,2-Dichlorobenzene	4.684	146	514576	39.65	ppb	99
18) Acetophenone	4.876	105	875780	50.48	ppb	93
19) 2-Methylphenol	4.812	108	442035	37.29	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.758	45	589973	55.22	ppb	86
21) 3&4-Methylphenol	4.935	108	433288	36.79	ppb	99
22) n-Nitroso-di-n-propyla...	4.876	70	387266	51.57	ppb	92
23) Hexachloroethane	4.940	201	172021	44.14	ppb	99
26) Nitrobenzene	5.021	77	618524	46.37	ppb	93
27) Quinoline	5.989	129	1022824	40.87	ppb	96
28) Isophorone	5.208	82	1024557	43.53	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64668.D
Acq On : 19 Jun 2014 11:43 am
Operator : saumilp
Sample : op75710-bs1
Misc : op75710,E2M2741,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 13:26:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.288	139	263681	40.82	ppb		80
30) 2,4-Dimethylphenol	5.352	107	536839	43.05	ppb		92
31) Benzoic acid	5.497	105	131445	14.69	ppb		91
32) bis(2-Chloroethoxy)met...	5.395	93	585532	44.39	ppb		98
33) 2,4-Dichlorophenol	5.523	162	384332	42.60	ppb		98
34) 2,6-Dichlorophenol	5.727	162	398517	44.33	ppb		98
36) 1,2,4-Trichlorobenzene	5.561	180	403226	41.06	ppb		96
38) Naphthalene	5.636	128	1568664	42.85	ppb		99
39) 4-Chloroaniline	5.727	127	264594	17.42	ppb		91
40) 2,3-Dichloroaniline	6.711	161	511618	45.85	ppb		96
41) Caprolactam	6.101	55	72822	16.10	ppb		83
42) Hexachlorobutadiene	5.748	225	219761	47.12	ppb		99
43) 4-Chloro-3-methylphenol	6.272	107	479405	44.07	ppb		90
44) 2-Methylnaphthalene	6.347	141	851876	42.25	ppb		96
45) 1-Methylnaphthalene	6.459	142	1114895	47.64	ppb		95
46) Dimethylnaphthalene	7.085	156	1024834	49.95	ppb		96
48) Hexachlorocyclopentadiene	6.524	237	533851	111.39	ppb		99
49) 2,4,6-Trichlorophenol	6.711	196	276331	47.69	ppb		98
50) 2,4,5-Trichlorophenol	6.780	196	287124	45.09	ppb		99
52) 2-Chloronaphthalene	6.919	162	902683	41.25	ppb		96
53) Biphenyl	6.898	154	1393418	47.83	ppb		99
54) 2-Nitroaniline	7.112	65	344015	54.25	ppb		78
55) Dimethylphthalate	7.320	163	1056692	45.95	ppb		99
56) Acenaphthylene	7.444	152	1275094	36.09	ppb		100
57) 2,6-Dinitrotoluene	7.401	165	221746	42.41	ppb		70
58) 3-Nitroaniline	7.668	138	140397	20.54	ppb		89
59) Acenaphthene	7.673	153	1011115	45.91	ppb		95
60) 2,4-Dinitrophenol	7.786	184	240299	83.23	ppb	#	50
61) 4-Nitrophenol	8.053	109	104200	31.22	ppb	#	78
62) Dibenzofuran	7.920	168	1266116	42.05	ppb		91
63) 2,4-Dinitrotoluene	7.957	165	315818	45.30	ppb		97
64) 2,3,4,6-Tetrachlorophenol	8.139	232	179668	38.89	ppb		88
65) Diethylphthalate	8.289	149	1140346	50.12	ppb		97
66) Fluorene	8.396	166	1138892	48.12	ppb		99
67) 4-Chlorophenyl-phenyle...	8.406	204	498364	48.53	ppb		88
68) 4-Nitroaniline	8.551	138	242991	35.08	ppb	#	63
70) 4,6-Dinitro-2-methylph...	8.535	198	147562	39.71	ppb		79
71) n-Nitrosodiphenylamine	8.610	169	732896	47.31	ppb		99
72) 1,2-Diphenylhydrazine	8.642	77	1307716	50.55	ppb		93
74) 4-Bromophenyl-phenylether	9.123	248	215535	43.56	ppb	#	84
75) Hexachlorobenzene	9.198	284	222011	37.17	ppb		72
76) Pentachlorophenol	9.562	266	108618	32.37	ppb		98
77) Phenanthrene	9.818	178	1470791	44.08	ppb		99
78) Anthracene	9.893	178	1493699	45.18	ppb		100
79) Carbazole	10.214	167	1394987	43.08	ppb		97
80) Di-n-butylphthalate	10.770	149	1875915	52.67	ppb		98
81) Fluoranthene	11.664	202	1470436	47.18	ppb		98
82) Octadecane	9.669	57	788111	58.65	ppb		93
84) Pyrene	12.011	202	1537024	42.60	ppb		99
86) Butylbenzylphthalate	13.134	149	805457	49.32	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64668.D
Acq On : 19 Jun 2014 11:43 am
Operator : saumilp
Sample : op75710-bs1
Misc : op75710,E2M2741,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 13:26:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration

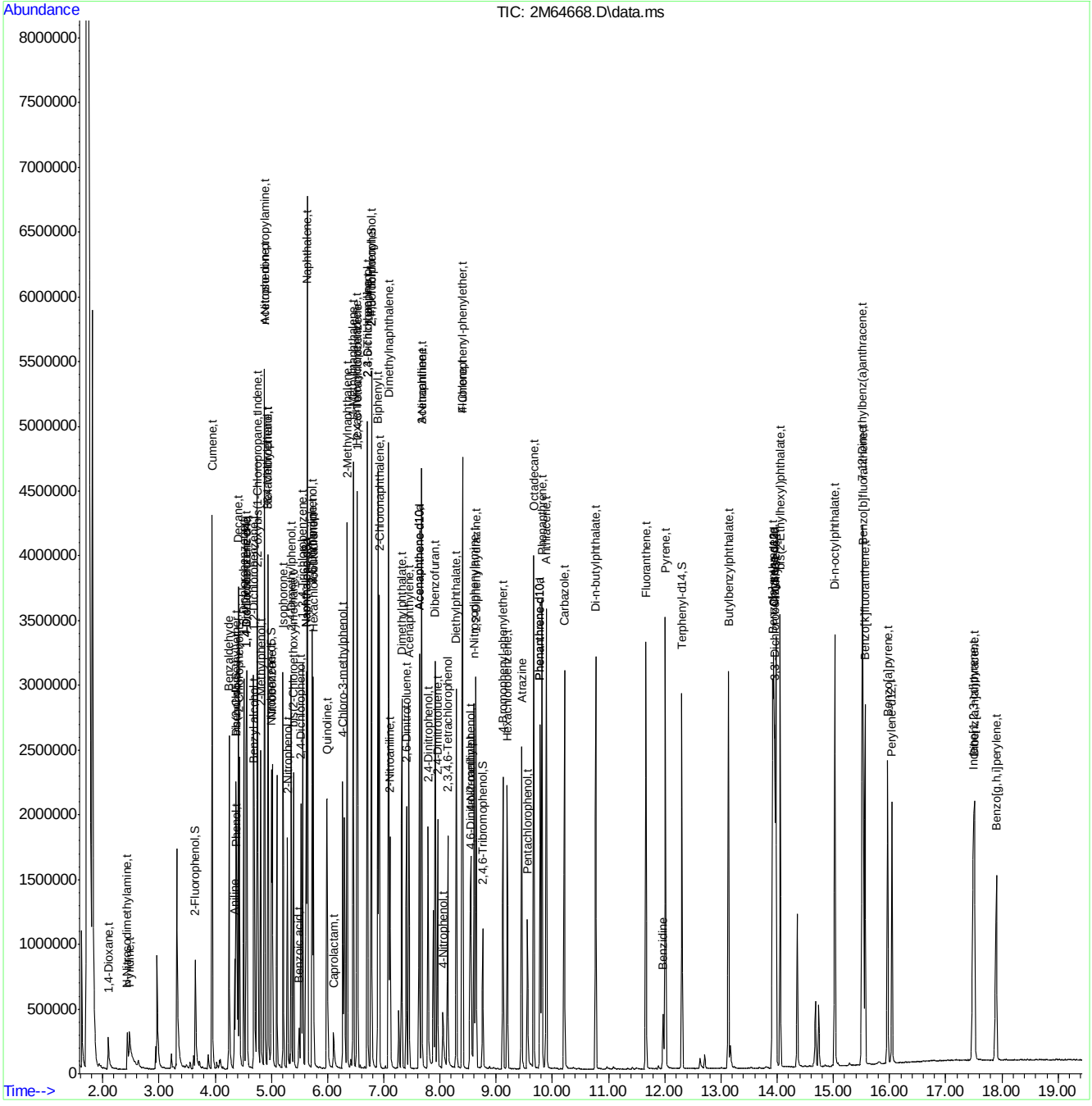
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	13.921	228	1245436	41.46	ppb	99
89) 3,3'-Dichlorobenzidine	13.953	252	472614	47.04	ppb	96
90) Chrysene	13.980	228	1278054	42.80	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.054	149	1146114	52.13	ppb	95
93) Di-n-octylphthalate	15.028	149	1889611	58.88	ppb	97
94) Benzo[b]fluoranthene	15.531	252	1284875	51.18	ppb	98
95) Benzo[k]fluoranthene	15.563	252	1083446	44.19	ppb	99
96) Benzo[a]pyrene	15.964	252	962884	45.78	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.494	276	1022377	52.25	ppb	91
99) Dibenz[a,h]anthracene	17.515	278	905225	43.73	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.520	256	617887	57.18	ppb	90
101) Benzo[g,h,i]perylene	17.900	276	786428	39.86	ppb	95
103) Benzaldehyde	4.245	105	453678	49.79	ppb	90
105) 1,2,4,5-Tetrachloroben...	6.534	216	385943	44.85	ppb	98
107) Benzidine	11.968	184	226443	13.47	ppb	99
109) Atrazine	9.455	215	150525	54.37	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64668.D
Acq On : 19 Jun 2014 11:43 am
Operator : saumilp
Sample : op75710-bs1
Misc : op75710,E2M2741,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 13:26:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:23:48 2014
QLast Update : Thu Jun 19 13:23:48 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/23/14 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:03:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.433	152	298917	40.00	ppb		0.00
24) Naphthalene-d8	4.753	136	1132888	40.00	ppb		0.00
47) Acenaphthene-d10	6.799	164	654308	40.00	ppb		0.00
69) Phenanthrene-d10	8.578	188	1054757	40.00	ppb		0.00
83) Chrysene-d12	12.253	240	1069199	40.00	ppb		0.00
92) Perylene-d12	14.289	264	808328	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.433	152	298917	40.00	ppb		0.00
104) Phenanthrene-d10a	8.578	188	1054757	40.00	ppb		0.00
106) Chrysene-d12a	12.253	240	1069199	40.00	ppb		0.00
108) Acenaphthene-d10a	6.799	164	654308	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.375	112	366358	35.87	ppb		0.00
Spiked Amount 50.000			Recovery = 71.74%				
8) Phenol-d5	3.123	99	481034	37.39	ppb		0.00
Spiked Amount 50.000			Recovery = 74.78%				
25) Nitrobenzene-d5	3.983	82	477920	47.87	ppb		0.00
Spiked Amount 50.000			Recovery = 95.74%				
51) 2-Fluorobiphenyl	6.019	172	883681	42.60	ppb		0.00
Spiked Amount 50.000			Recovery = 85.20%				
73) 2,4,6-Tribromophenol	7.750	330	138210	53.63	ppb		0.00
Spiked Amount 50.000			Recovery = 107.26%				
86) Terphenyl-d14	10.741	244	934244	43.45	ppb		0.00
Spiked Amount 50.000			Recovery = 86.90%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.489	88	84186	16.45	ppb		84
3) Pyridine	1.644	79	284092	21.42	ppb		71
4) N-Nitrosodimethylamine	1.617	74	185911	25.94	ppb	#	1
6) Indene	3.679	116	873871	43.17	ppb		99
7) Cumene	2.739	105	1128930	39.43	ppb		94
9) Phenol	3.134	94	580712	40.22	ppb	#	23
10) Aniline	3.134	93	429993	27.41	ppb	#	1
11) bis(2-Chloroethyl)ether	3.182	93	399527	39.48	ppb		95
12) 2-Chlorophenol	3.246	128	462502	40.18	ppb		93
13) Decane	3.273	43	584460	42.69	ppb		78
14) 1,3-Dichlorobenzene	3.380	146	519799	41.93	ppb		98
15) 1,4-Dichlorobenzene	3.449	146	528475	41.61	ppb		98
16) Benzyl alcohol	3.572	108	311163	44.88	ppb	#	72
17) 1,2-Dichlorobenzene	3.594	146	504257	42.37	ppb		98
18) Acetophenone	3.829	105	747389	45.17	ppb		98
19) 2-Methylphenol	3.700	108	411921	42.50	ppb		97
20) 2,2'-oxybis(1-Chloropr...	3.700	121	149719	44.78	ppb	#	87
21) 3&4-Methylphenol	3.861	108	422917	40.65	ppb		97
22) n-Nitroso-di-n-propyla...	3.834	70	347425	47.63	ppb		75
23) Hexachloroethane	3.930	201	185275	47.20	ppb		95
26) Nitrobenzene	4.005	77	537422	48.70	ppb		86
27) Quinoline	5.159	129	1025566	45.19	ppb		97
28) Isophorone	4.256	82	855496	46.93	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:03:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.341	139	254595	49.27	ppb		77
30)	2,4-Dimethylphenol	4.422	107	489948	56.85	ppb		90
31)	Benzoic Acid	4.582	105	334397m	69.34	ppb		
32)	bis(2-Chloroethoxy)met...	4.502	93	507411	45.78	ppb		99
33)	2,4-Dichlorophenol	4.625	162	396794	50.21	ppb		96
34)	2,6-Dichlorophenol	4.870	162	385014	49.68	ppb		100
36)	1,2,4-Trichlorobenzene	4.694	180	439384	46.69	ppb		98
38)	Naphthalene	4.774	128	1411131	44.66	ppb		100
39)	4-Chloroaniline	4.860	127	300908	24.15	ppb		90
40)	2,3-Dichloroaniline	5.917	161	473348	43.76	ppb		97
41)	Caprolactam	5.271	55	256008	48.63	ppb		89
42)	Hexachlorobutadiene	4.929	225	266823	52.46	ppb		99
43)	4-Chloro-3-methylphenol	5.469	107	429013	51.10	ppb		95
44)	2-Methylnaphthalene	5.570	141	795114	46.32	ppb		93
45)	1-Methylnaphthalene	5.682	141	880298	46.55	ppb		94
46)	Dimethylnaphthalene	6.313	156	936461	48.88	ppb		95
48)	Hexachlorocyclopentadiene	5.768	237	500220	96.71	ppb		97
49)	2,4,6-Trichlorophenol	5.933	196	279982	49.31	ppb		96
50)	2,4,5-Trichlorophenol	5.987	196	293730	48.77	ppb		98
52)	2-Chloronaphthalene	6.142	162	875536	44.98	ppb		95
53)	Biphenyl	6.131	154	1304350	47.13	ppb		98
54)	2-Nitroaniline	6.291	65	326691	61.20	ppb		81
55)	Dimethylphthalate	6.521	163	1001280	48.17	ppb		99
56)	Acenaphthylene	6.623	152	1214374	39.71	ppb		99
57)	2,6-Dinitrotoluene	6.585	165	216364	50.79	ppb		77
58)	3-Nitroaniline	6.783	138	171142	31.79	ppb		84
59)	Acenaphthene	6.836	153	911885	47.13	ppb		98
60)	2,4-Dinitrophenol	6.922	184	246426	86.56	ppb	#	60
61)	4-Nitrophenol	7.066	109	184117	75.58	ppb	#	55
62)	Dibenzofuran	7.045	168	1232282	45.91	ppb		84
63)	2,4-Dinitrotoluene	7.071	165	304312	52.34	ppb		63
64)	2,3,4,6-Tetrachlorophenol	7.221	232	236452	48.49	ppb		92
65)	Diethylphthalate	7.370	149	1105837	54.65	ppb		98
66)	Fluorene	7.456	166	1040821	49.58	ppb		97
67)	4-Chlorophenyl-phenyle...	7.472	204	459353	46.76	ppb		84
68)	4-Nitroaniline	7.525	138	251252	46.56	ppb	#	60
70)	4,6-Dinitro-2-methylph...	7.563	198	162308	47.94	ppb		76
71)	n-Nitrosodiphenylamine	7.627	169	673082	50.37	ppb		98
72)	1,2-Diphenylhydrazine	7.659	77	1120035	53.90	ppb		90
74)	4-Bromophenyl-phenylether	8.054	248	271969	50.22	ppb		84
75)	Hexachlorobenzene	8.124	284	304344	47.10	ppb		92
76)	Pentachlorophenol	8.380	266	169641	51.63	ppb		99
77)	Phenanthrene	8.605	178	1423984	46.42	ppb		99
78)	Anthracene	8.669	178	1451178	48.80	ppb		99
79)	Carbazole	8.898	167	1295807	42.07	ppb		98
80)	Di-n-butylphthalate	9.390	149	1806161	59.70	ppb		98
81)	Fluoranthene	10.159	202	1485731	49.74	ppb		89
82)	Octadecane	8.524	57	783820	54.12	ppb		86
84)	Pyrene	10.469	202	1530925	46.96	ppb		89
87)	Butylbenzylphthalate	11.500	149	766151	58.27	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:03:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration

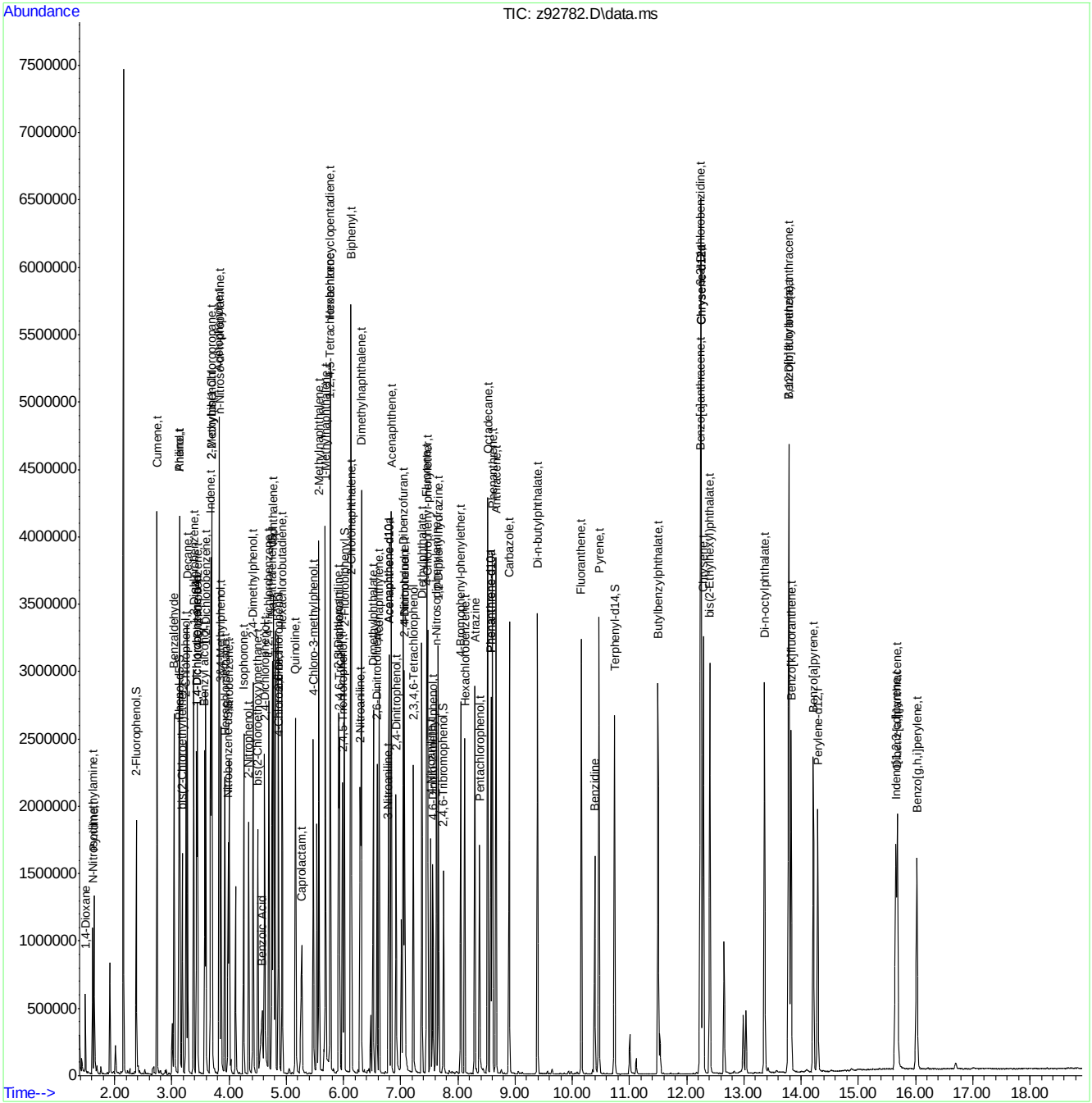
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) Benzo[a]anthracene	12.237	228	1376283	46.81	ppb		100
89) 3,3'-Dichlorobenzidine	12.248	252	678501	70.19	ppb		98
90) Chrysene	12.291	228	1278163	43.79	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.408	149	1014167	56.79	ppb		96
93) Di-n-octylphthalate	13.359	149	1666991	59.93	ppb		95
94) Benzo[b]fluoranthene	13.787	252	1321131	54.84	ppb		96
95) Benzo[k]fluoranthene	13.829	252	1122647	45.12	ppb		94
96) Benzo[a]pyrene	14.214	252	1099762	51.39	ppb		93
97) Indeno[1,2,3-cd]pyrene	15.656	276	1069084m	51.79	ppb		
99) Dibenz[a,h]anthracene	15.683	278	1027259	47.19	ppb		95
100) 7,12-Dimethylbenz(a)an...	13.787	256	629176	67.07	ppb		94
101) Benzo[g,h,i]perylene	16.025	276	1000359	46.52	ppb		90
103) Benzaldehyde	3.038	105	363205	51.75	ppb	#	82
105) Atrazine	8.300	215	148679	61.43	ppb	#	82
107) Benzidine	10.394	184	659757	60.11	ppb		98
109) 1,2,4,5-Tetrachloroben...	5.773	216	413149	52.30	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:03:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration



Manual Integration Approval Summary

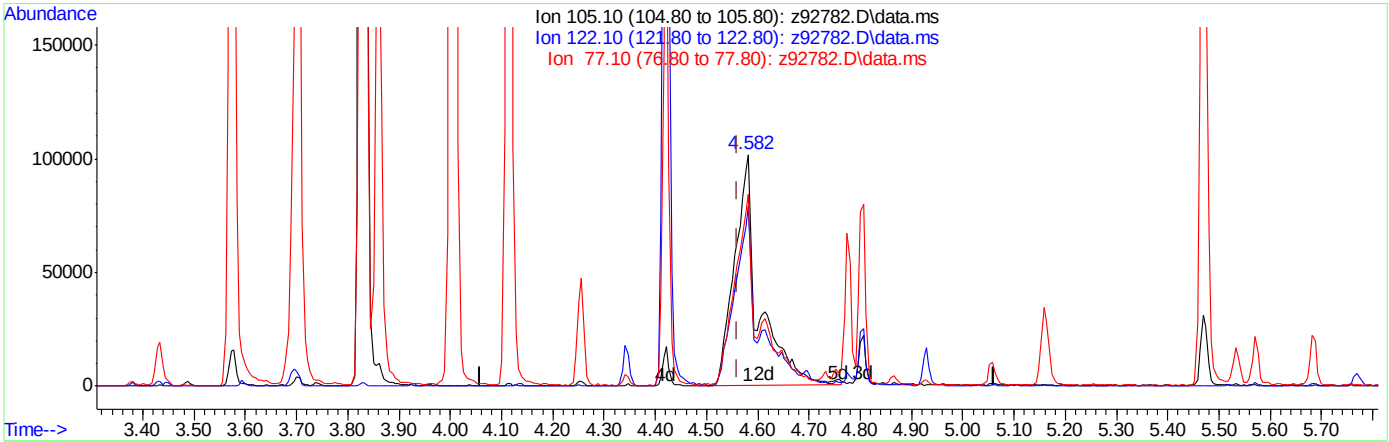
Sample Number: OP75724-BS1
Lab FileID: Z92782.D
Injection Time: 06/19/14 21:05
Method: SW846 8270D
Analyst approved: 06/20/14 16:08 Ashley Royal
Supervisor approved: 06/23/14 11:26 Kristin Weiler

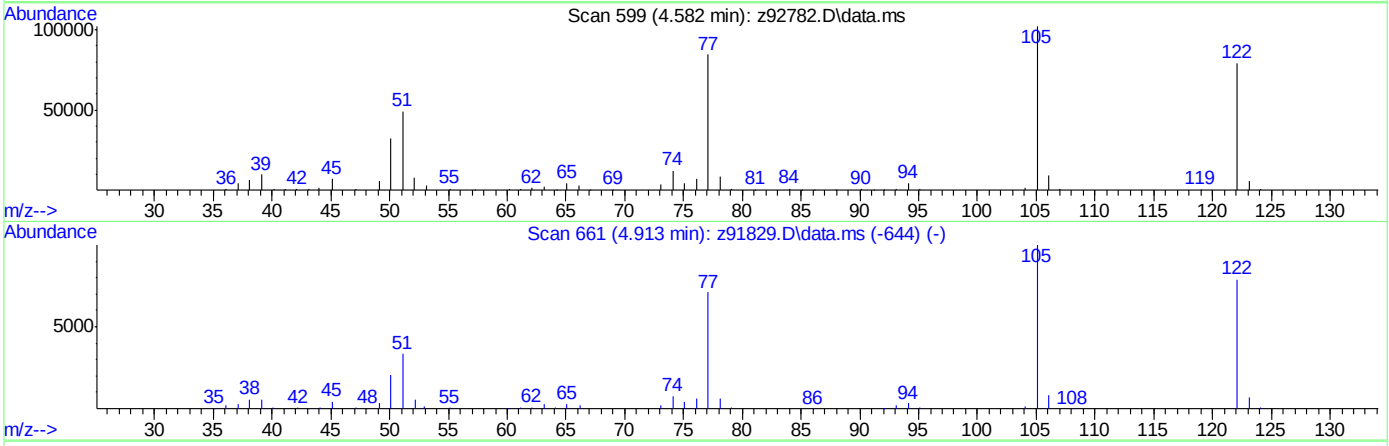
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.58	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		15.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:02:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration





TIC: z92782.D\data.ms

(31) Benzoic Acid

4.582min (+0.021) 69.34ppb m

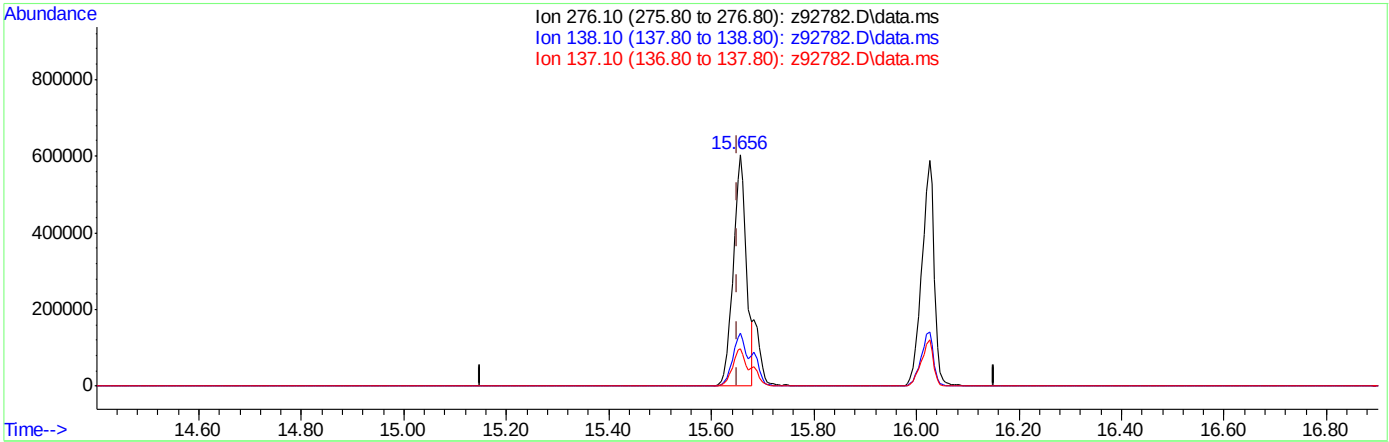
response 334397

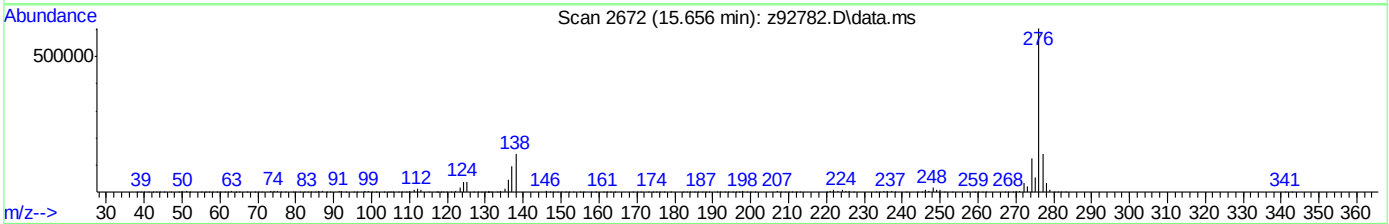
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	53.37#
77.10	33.90	55.25#
0.00	0.00	0.00

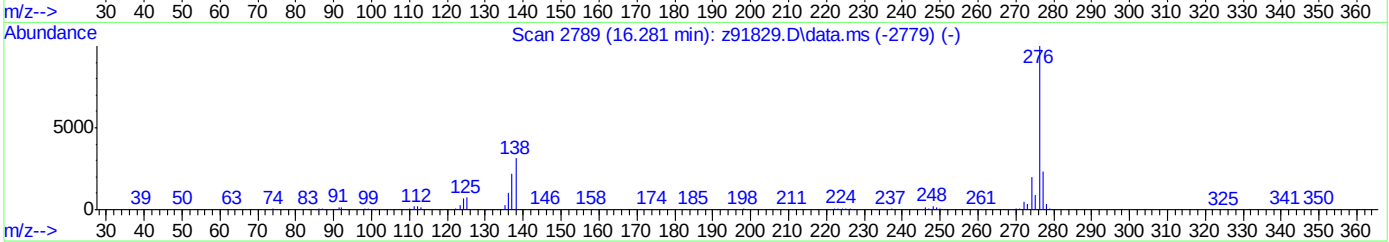
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92782.D
Acq On : 19 Jun 2014 9:05 pm
Operator : ashleyv
Sample : op75724-bs1
Misc : op75724,ez4609,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 15:02:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:00:59 2014
Response via : Initial Calibration







TIC: z92782.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.656min (+0.005) 51.79ppb m

response 1069084

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	23.08
137.10	19.30	16.06
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/20/14 13:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32841.D
Acq On : 18 Jun 2014 12:38 am
Operator : ashleyd
Sample : op75688-ms
Misc : op75688,e3p1406,31.9
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:49:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	160169	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	547894	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	296419	40.00	ppb	-0.08
69) Phenanthrene-d10	8.575	188	471050	40.00	ppb	-0.10
83) Chrysene-d12	13.774	240	425776	40.00	ppb	-0.10
91) Perylene-d12	16.807	264	327817	40.00	ppb	-0.10
101) 1,4-Dichlorobenzene-d4a	4.505	152	160169	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	296419	40.00	ppb	-0.08
106) Chrysene-d12a	13.774	240	425776	40.00	ppb	-0.10
108) Naphthalene-d8a	5.425	136	547894	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.537	112	171253	32.31	ppb	-0.05
Spiked Amount 50.000			Recovery = 64.62%			
8) Phenol-d5	4.264	99	211019	34.19	ppb	-0.04
Spiked Amount 50.000			Recovery = 68.38%			
25) Nitrobenzene-d5	4.912	82	166297	36.69	ppb	-0.06
Spiked Amount 50.000			Recovery = 73.38%			
51) 2-Fluorobiphenyl	6.206	172	327865	34.76	ppb	-0.07
Spiked Amount 50.000			Recovery = 69.52%			
73) 2,4,6-Tribromophenol	7.634	330	48556	40.57	ppb	-0.09
Spiked Amount 50.000			Recovery = 81.14%			
85) Terphenyl-d14	11.571	244	348496	41.62	ppb	-0.11
Spiked Amount 50.000			Recovery = 83.24%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.991	88	45686	19.04	ppb	91
3) Pyridine	2.344	79	122678	20.56	ppb	85
4) N-Nitrosodimethylamine	2.302	42	84864	39.22	ppb	79
6) Indene	4.692	116	366373	39.43	ppb	99
7) Cumene	3.911	105	440779	31.14	ppb	99
9) Phenol	4.270	94	246670	35.82	ppb	79
10) Aniline	4.264	93	201797	29.31	ppb	80
11) bis(2-Chloroethyl)ether	4.313	93	170159	39.00	ppb	97
12) 2-Chlorophenol	4.361	128	214680	37.08	ppb	95
13) Decane	4.393	43	151857	37.98	ppb	84
14) 1,3-Dichlorobenzene	4.462	146	199113	30.02	ppb	99
15) 1,4-Dichlorobenzene	4.516	146	207420	31.46	ppb	100
16) Benzyl alcohol	4.612	108	124115	39.00	ppb	95
17) 1,2-Dichlorobenzene	4.628	146	200637	32.81	ppb	99
18) Acetophenone	4.799	105	287280	39.75	ppb	90
19) 2-Methylphenol	4.708	108	177985	42.33	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.708	45	207351	48.00	ppb #	63
21) 3&4-Methylphenol	4.815	108	183289	41.86	ppb	98
22) n-Nitroso-di-n-propyla...	4.799	70	113052	40.28	ppb	88
23) Hexachloroethane	4.874	201	63988	30.48	ppb	85
26) Nitrobenzene	4.922	77	183960	38.66	ppb	95
27) Quinoline	5.682	129	415044	39.08	ppb	99
28) Isophorone	5.094	82	304336	37.84	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32841.D
Acq On : 18 Jun 2014 12:38 am
Operator : ashleyd
Sample : op75688-ms
Misc : op75688,e3p1406,31.9
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:49:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	5.158	139	112885	41.75	ppb		96
30)	2,4-Dimethylphenol	5.195	107	189845	49.79	ppb		99
31)	Benzoic acid	5.270	105	114258m	37.74	ppb		
32)	bis(2-Chloroethoxy)met...	5.249	93	202323	41.73	ppb		99
33)	2,4-Dichlorophenol	5.334	162	173017	39.82	ppb		96
34)	2,6-Dichlorophenol	5.495	162	167863	40.68	ppb		98
36)	1,2,4-Trichlorobenzene	5.388	180	165901	33.99	ppb		99
38)	Naphthalene	5.441	128	523317	36.81	ppb		99
39)	4-Chloroaniline	5.484	127	170960	28.73	ppb		97
40)	2,3-Dichloroaniline	6.147	161	212504	36.40	ppb		99
41)	Caprolactam	5.735	113	63124	39.80	ppb		82
42)	Hexachlorobutadiene	5.532	225	79069	30.78	ppb		100
43)	4-Chloro-3-methylphenol	5.842	107	165790	40.95	ppb	#	99
44)	2-Methylnaphthalene	5.939	141	320284	37.47	ppb		98
45)	1-Methylnaphthalene	6.008	141	365640	38.89	ppb		99
46)	Dimethylnaphthalene	6.415	156	362949	38.50	ppb		98
48)	Hexachlorocyclopentadiene	6.056	237	141083	61.48	ppb		99
49)	2,4,6-Trichlorophenol	6.153	196	114431	41.96	ppb		97
50)	2,4,5-Trichlorophenol	6.190	196	124894	41.06	ppb		99
52)	2-Chloronaphthalene	6.308	162	330591	37.60	ppb		97
53)	Biphenyl	6.286	154	505946	40.52	ppb		98
54)	2-Nitroaniline	6.388	65	105974	50.54	ppb		83
55)	Dimethylphthalate	6.532	163	389899	41.11	ppb		99
56)	Acenaphthylene	6.655	152	488803	34.54	ppb		98
57)	2,6-Dinitrotoluene	6.591	165	87198	44.91	ppb		97
58)	3-Nitroaniline	6.746	138	93741	37.01	ppb		98
59)	Acenaphthene	6.816	153	366200	42.64	ppb		99
60)	2,4-Dinitrophenol	6.853	184	99376	101.73	ppb	#	66
61)	4-Nitrophenol	6.939	109	56089	51.13	ppb		87
62)	Dibenzofuran	6.982	168	488614	40.30	ppb		99
63)	2,4-Dinitrotoluene	6.976	165	122481	46.69	ppb		82
64)	2,3,4,6-Tetrachlorophenol	7.121	232	87993	40.33	ppb		98
65)	Diethylphthalate	7.217	149	408470	42.58	ppb		99
66)	Fluorene	7.345	166	422398	43.10	ppb		100
67)	4-Chlorophenyl-phenyle...	7.345	204	181630	41.76	ppb		98
68)	4-Nitroaniline	7.377	138	105999	41.17	ppb		98
70)	4,6-Dinitro-2-methylph...	7.420	198	62805	47.70	ppb		100
71)	n-Nitrosodiphenylamine	7.484	169	278327	44.52	ppb		98
72)	1,2-Diphenylhydrazine	7.532	77	380097	46.03	ppb		97
74)	4-Bromophenyl-phenylether	7.950	248	100127	40.82	ppb		96
75)	Hexachlorobenzene	8.041	284	106869	38.35	ppb		93
76)	Pentachlorophenol	8.324	266	67342	39.56	ppb		97
77)	Phenanthrene	8.613	178	586455	43.81	ppb		99
78)	Anthracene	8.688	178	580771	44.53	ppb		99
79)	Carbazole	8.966	167	556858	38.40	ppb		99
80)	Di-n-butylphthalate	9.645	149	720126	44.77	ppb		99
81)	Fluoranthene	10.710	202	691280	47.02	ppb		98
82)	Octadecane	8.490	57	271426	52.48	ppb		93
84)	Pyrene	11.143	202	682871	48.38	ppb		99
86)	Butylbenzylphthalate	12.737	149	318095	48.18	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32841.D
Acq On : 18 Jun 2014 12:38 am
Operator : ashleyd
Sample : op75688-ms
Misc : op75688,e3p1406,31.9
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:49:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

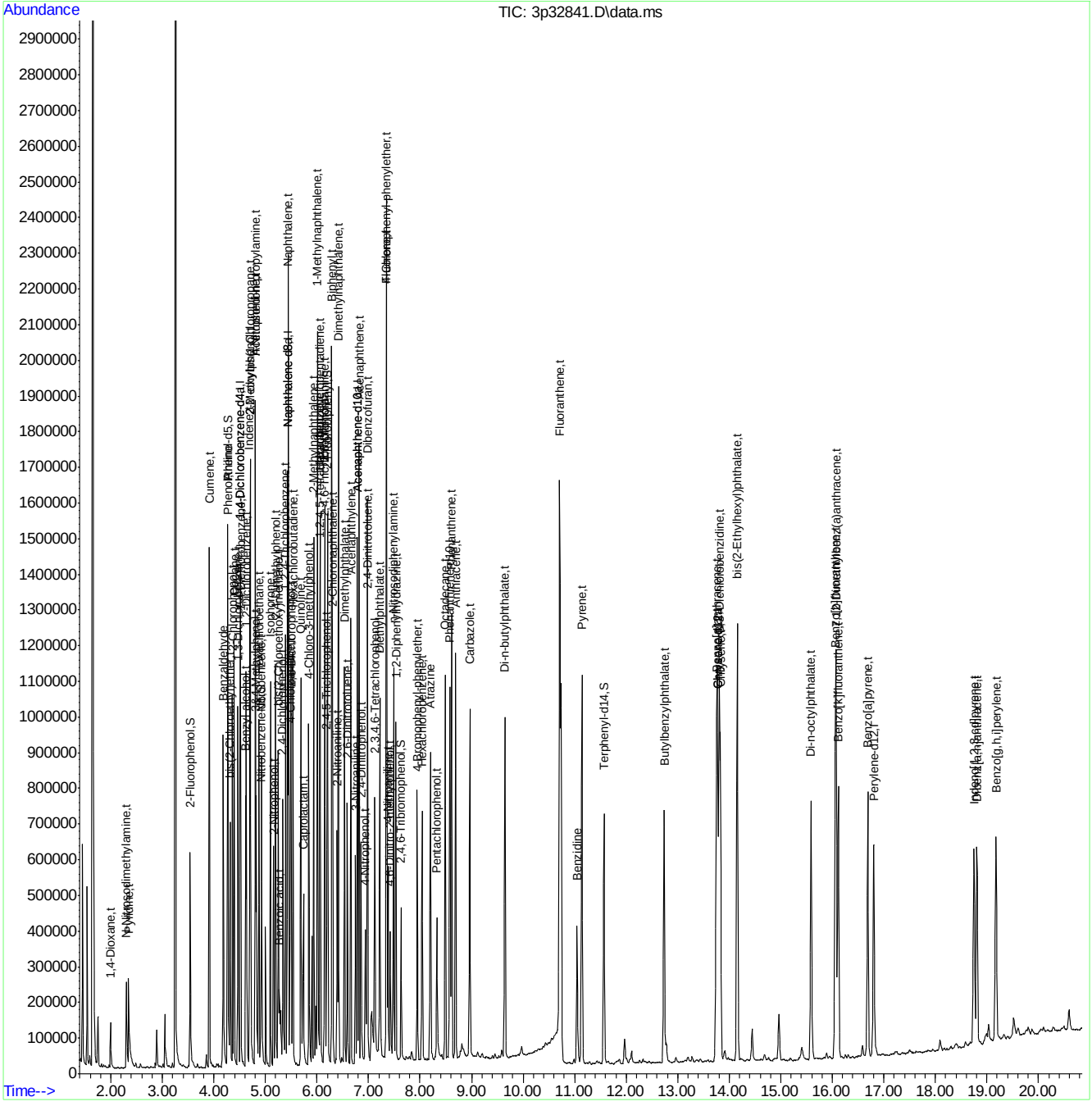
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo[a]anthracene	13.753	228	537708	45.16	ppb	99
88) 3,3'-Dichlorobenzidine	13.806	252	324714	75.93	ppb	98
89) Chrysene	13.828	228	509513	48.44	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.154	149	681976	80.74	ppb	98
92) Di-n-octylphthalate	15.588	149	702092	54.36	ppb	97
93) Benzo[b]fluoranthene	16.064	252	504067	49.76	ppb	95
94) Benzo[k]fluoranthene	16.117	252	437293	44.89	ppb	98
95) Benzo[a]pyrene	16.689	252	423645	47.70	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.749	276	358042	41.16	ppb	94
98) Dibenz[a,h]anthracene	18.807	278	343711	39.51	ppb	97
99) 7,12-Dimethylbenz(a)an...	16.074	256	227187	67.54	ppb	98
100) Benzo[g,h,i]perylene	19.176	276	364844	41.00	ppb	97
102) Benzaldehyde	4.184	105	169282	49.95	ppb	99
104) Atrazine	8.201	215	57496	50.55	ppb	93
105) 1,2,4,5-Tetrachloroben...	6.062	216	156514	36.65	ppb	99
107) Benzidine	11.047	184	256281	47.16	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32841.D
Acq On : 18 Jun 2014 12:38 am
Operator : ashleyd
Sample : op75688-ms
Misc : op75688,e3p1406,31.9
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:49:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

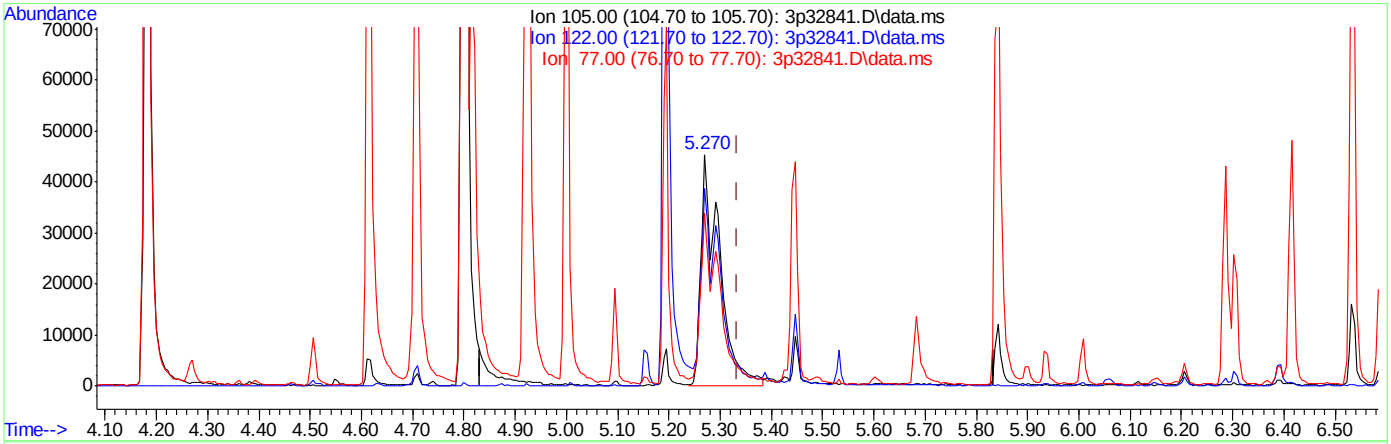
Sample Number:	OP75688-MS	**Method:**	SW846 8270D
Lab FileID:	3P32841.D	**Analyst approved:**	06/19/14 12:03 Samta Patel
Injection Time:	06/18/14 00:38	**Supervisor approved:**	06/20/14 13:50 Kristin Weiler

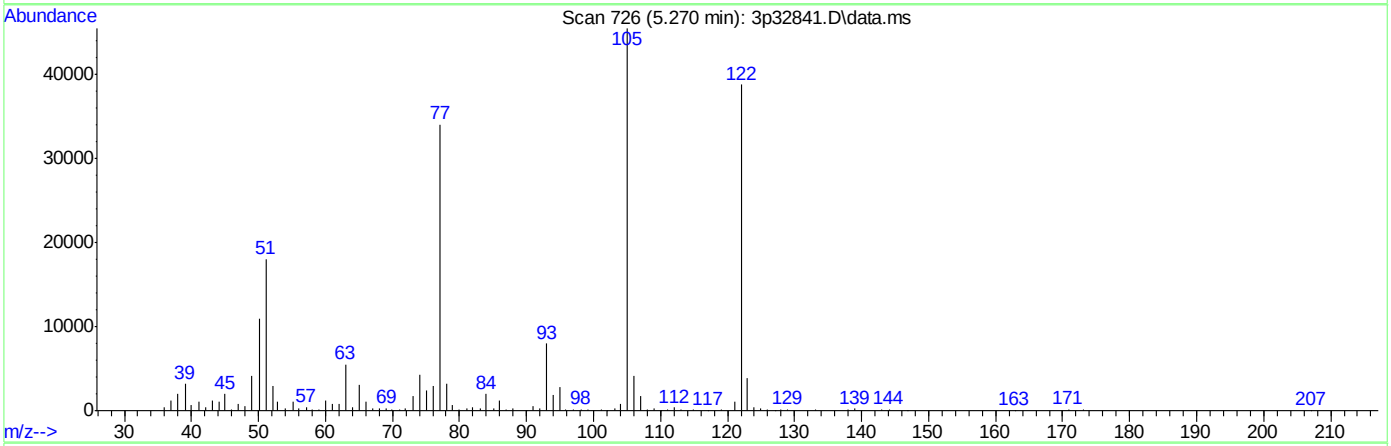
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32841.D
Acq On : 18 Jun 2014 12:38 am
Operator : ashleyd
Sample : op75688-ms
Misc : op75688,e3p1406,31.9
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 15:48:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32841.D\data.ms

(31) Benzoic acid (t)

5.270min (-0.064) 37.74ppb m

response 114258

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	85.33
77.00	70.30	74.90
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/20/14 13:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32842.D
Acq On : 18 Jun 2014 1:04 am
Operator : ashleyd
Sample : op75688-msd
Misc : op75688,e3p1406,31.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:49:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	244994	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	799113	40.00	ppb	-0.06
47) Acenaphthene-d10	6.784	164	437692	40.00	ppb	-0.08
69) Phenanthrene-d10	8.576	188	699174	40.00	ppb	-0.10
83) Chrysene-d12	13.774	240	626944	40.00	ppb	-0.10
91) Perylene-d12	16.812	264	475572	40.00	ppb	-0.09
101) 1,4-Dichlorobenzene-d4a	4.505	152	244994	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.784	164	437692	40.00	ppb	-0.08
106) Chrysene-d12a	13.774	240	626944	40.00	ppb	-0.10
108) Naphthalene-d8a	5.425	136	799113	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.542	112	238842	29.46	ppb	-0.04
Spiked Amount 50.000			Recovery = 58.92%			
8) Phenol-d5	4.265	99	301737	31.96	ppb	-0.04
Spiked Amount 50.000			Recovery = 63.92%			
25) Nitrobenzene-d5	4.912	82	216731	32.79	ppb	-0.06
Spiked Amount 50.000			Recovery = 65.58%			
51) 2-Fluorobiphenyl	6.206	172	432521	31.06	ppb	-0.07
Spiked Amount 50.000			Recovery = 62.12%			
73) 2,4,6-Tribromophenol	7.634	330	65479	36.86	ppb	-0.09
Spiked Amount 50.000			Recovery = 73.72%			
85) Terphenyl-d14	11.571	244	492726	39.96	ppb	-0.11
Spiked Amount 50.000			Recovery = 79.92%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.018	88	75494	20.57	ppb	96
3) Pyridine	2.360	79	216177	23.69	ppb	86
4) N-Nitrosodimethylamine	2.323	42	132803	40.13	ppb	78
6) Indene	4.692	116	539155	37.93	ppb	97
7) Cumene	3.917	105	660691	30.52	ppb	99
9) Phenol	4.275	94	381152	36.19	ppb	96
10) Aniline	4.270	93	368992	35.04	ppb	51
11) bis(2-Chloroethyl)ether	4.313	93	264656	39.65	ppb	93
12) 2-Chlorophenol	4.361	128	325199	36.72	ppb	93
13) Decane	4.393	43	215994	35.31	ppb	84
14) 1,3-Dichlorobenzene	4.468	146	317548	31.30	ppb	99
15) 1,4-Dichlorobenzene	4.521	146	323082	32.04	ppb	99
16) Benzyl alcohol	4.618	108	181642	37.31	ppb	99
17) 1,2-Dichlorobenzene	4.634	146	316240	33.81	ppb	99
18) Acetophenone	4.799	105	431928	39.08	ppb	85
19) 2-Methylphenol	4.708	108	269132	41.85	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.708	45	309412	46.83	ppb #	65
21) 3&4-Methylphenol	4.821	108	272969	40.76	ppb	100
22) n-Nitroso-di-n-propyla...	4.805	70	177004	41.23	ppb	93
23) Hexachloroethane	4.874	201	101800	31.70	ppb	81
26) Nitrobenzene	4.922	77	273699	39.44	ppb	93
27) Quinoline	5.682	129	619571	39.99	ppb	99
28) Isophorone	5.099	82	469056	39.99	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32842.D
Acq On : 18 Jun 2014 1:04 am
Operator : ashleyd
Sample : op75688-msd
Misc : op75688,e3p1406,31.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:49:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	5.158	139	171296	43.44	ppb		95
30)	2,4-Dimethylphenol	5.195	107	282308	50.76	ppb		98
31)	Benzoic acid	5.281	105	171007m	38.73	ppb		
32)	bis(2-Chloroethoxy)met...	5.249	93	309272	43.73	ppb		99
33)	2,4-Dichlorophenol	5.340	162	254591	40.17	ppb		99
34)	2,6-Dichlorophenol	5.495	162	242519	40.30	ppb		99
36)	1,2,4-Trichlorobenzene	5.388	180	251594	35.34	ppb		98
38)	Naphthalene	5.441	128	797819	38.48	ppb		99
39)	4-Chloroaniline	5.484	127	268561	30.95	ppb		97
40)	2,3-Dichloroaniline	6.147	161	311722	36.60	ppb		99
41)	Caprolactam	5.741	113	88740	38.36	ppb		80
42)	Hexachlorobutadiene	5.532	225	125044	33.37	ppb		99
43)	4-Chloro-3-methylphenol	5.842	107	238375	40.37	ppb	#	95
44)	2-Methylnaphthalene	5.939	141	487942	39.14	ppb		99
45)	1-Methylnaphthalene	6.008	141	524352	38.24	ppb		99
46)	Dimethylnaphthalene	6.415	156	528159	38.42	ppb		99
48)	Hexachlorocyclopentadiene	6.056	237	190423	56.20	ppb		99
49)	2,4,6-Trichlorophenol	6.153	196	161145	40.01	ppb		98
50)	2,4,5-Trichlorophenol	6.195	196	172956	38.50	ppb		99
52)	2-Chloronaphthalene	6.308	162	499838	38.50	ppb		98
53)	Biphenyl	6.286	154	725807	39.36	ppb		99
54)	2-Nitroaniline	6.393	65	151082	48.79	ppb		96
55)	Dimethylphthalate	6.538	163	562440	40.16	ppb		99
56)	Acenaphthylene	6.655	152	718956	34.40	ppb		100
57)	2,6-Dinitrotoluene	6.591	165	128153	44.70	ppb		99
58)	3-Nitroaniline	6.752	138	132203	35.35	ppb		96
59)	Acenaphthene	6.816	153	536296	42.29	ppb		99
60)	2,4-Dinitrophenol	6.853	184	145587	101.15	ppb		77
61)	4-Nitrophenol	6.944	109	79610	49.15	ppb		92
62)	Dibenzofuran	6.982	168	705464	39.40	ppb		99
63)	2,4-Dinitrotoluene	6.976	165	172434	44.52	ppb		82
64)	2,3,4,6-Tetrachlorophenol	7.121	232	127292	39.51	ppb		98
65)	Diethylphthalate	7.222	149	578290	40.83	ppb		99
66)	Fluorene	7.351	166	607957	42.02	ppb		99
67)	4-Chlorophenyl-phenyle...	7.345	204	263798	41.07	ppb		98
68)	4-Nitroaniline	7.377	138	146309	38.49	ppb		97
70)	4,6-Dinitro-2-methylph...	7.420	198	91930	47.16	ppb	#	64
71)	n-Nitrosodiphenylamine	7.484	169	394400	42.50	ppb		99
72)	1,2-Diphenylhydrazine	7.533	77	545998	44.54	ppb		96
74)	4-Bromophenyl-phenylether	7.950	248	145691	40.02	ppb		98
75)	Hexachlorobenzene	8.041	284	155416	37.57	ppb		97
76)	Pentachlorophenol	8.324	266	95184	37.68	ppb		99
77)	Phenanthrene	8.613	178	819659	41.25	ppb		99
78)	Anthracene	8.693	178	820132	42.36	ppb		99
79)	Carbazole	8.966	167	788639	36.64	ppb		99
80)	Di-n-butylphthalate	9.645	149	1047289	43.87	ppb		100
81)	Fluoranthene	10.710	202	968404	44.38	ppb		99
82)	Octadecane	8.490	57	388151	50.57	ppb		93
84)	Pyrene	11.143	202	966752	46.52	ppb		100
86)	Butylbenzylphthalate	12.737	149	457528	47.07	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32842.D
Acq On : 18 Jun 2014 1:04 am
Operator : ashleyd
Sample : op75688-msd
Misc : op75688,e3p1406,31.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:49:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

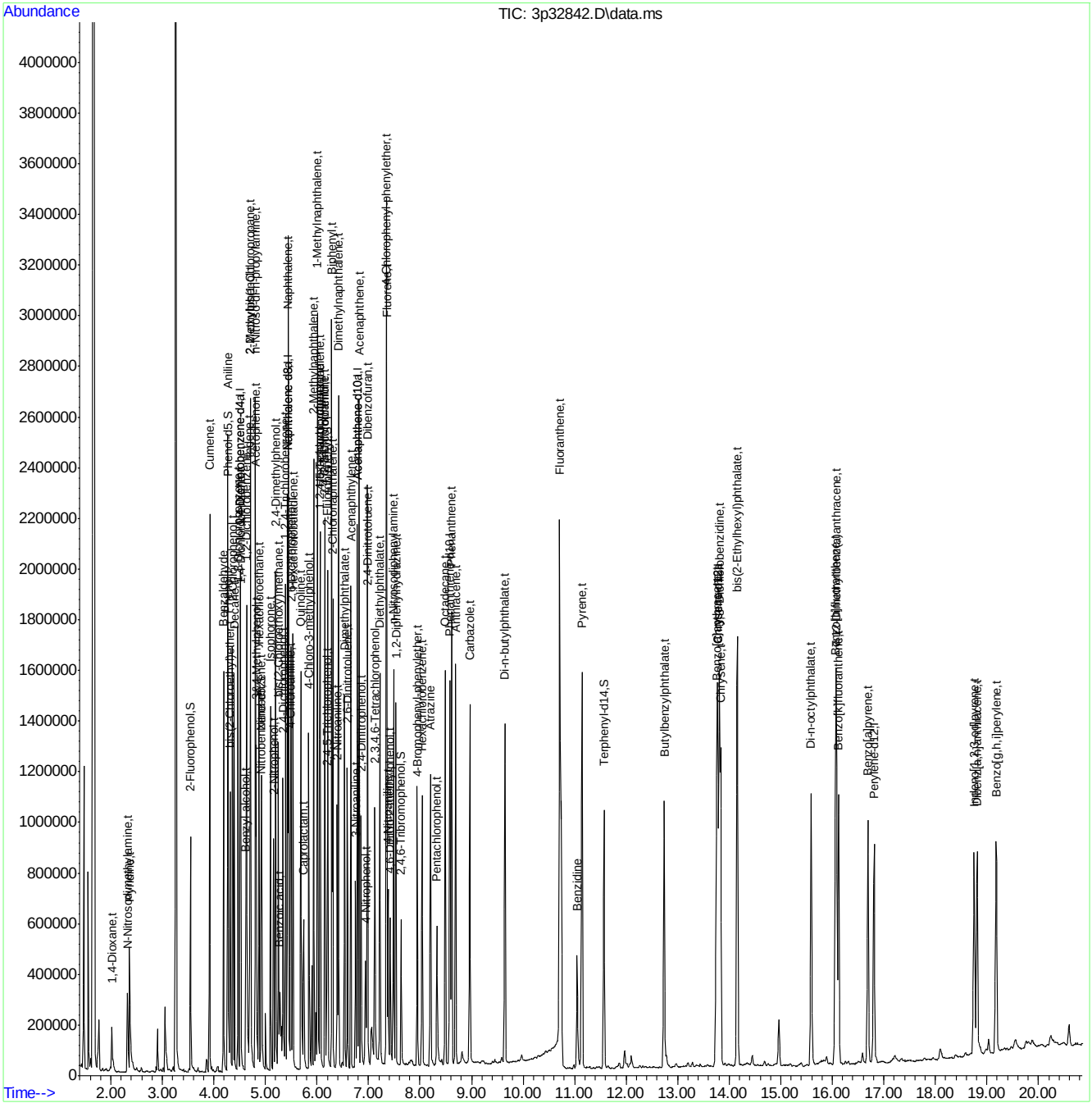
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo[a]anthracene	13.758	228	755126	43.07	ppb	99
88) 3,3'-Dichlorobenzidine	13.807	252	493037	78.30	ppb	96
89) Chrysene	13.833	228	702124	45.33	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.154	149	966906	77.75	ppb	97
92) Di-n-octylphthalate	15.588	149	1023780	54.64	ppb	97
93) Benzo[b]fluoranthene	16.069	252	712645	48.49	ppb	95
94) Benzo[k]fluoranthene	16.122	252	612634	43.35	ppb	98
95) Benzo[a]pyrene	16.695	252	597790	46.39	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.754	276	507612	40.22	ppb	93
98) Dibenz[a,h]anthracene	18.813	278	494332	39.17	ppb	97
99) 7,12-Dimethylbenz(a)an...	16.080	256	325388	66.68	ppb	99
100) Benzo[g,h,i]perylene	19.182	276	521707	40.42	ppb	97
102) Benzaldehyde	4.184	105	233530	45.05	ppb	98
104) Atrazine	8.201	215	79691	47.45	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.062	216	232521	36.88	ppb	99
107) Benzidine	11.047	184	306793	38.34	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32842.D
Acq On : 18 Jun 2014 1:04 am
Operator : ashleyd
Sample : op75688-msd
Misc : op75688,e3p1406,31.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:49:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

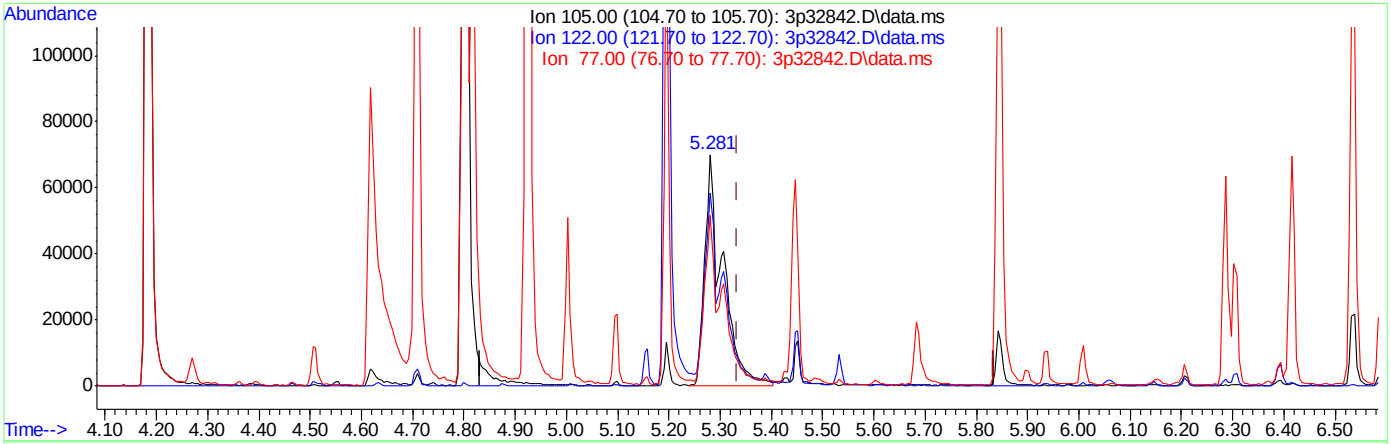
Sample Number:	OP75688-MSD	**Method:**	SW846 8270D
Lab FileID:	3P32842.D	**Analyst approved:**	06/19/14 12:03 Samta Patel
Injection Time:	06/18/14 01:04	**Supervisor approved:**	06/20/14 13:50 Kristin Weiler

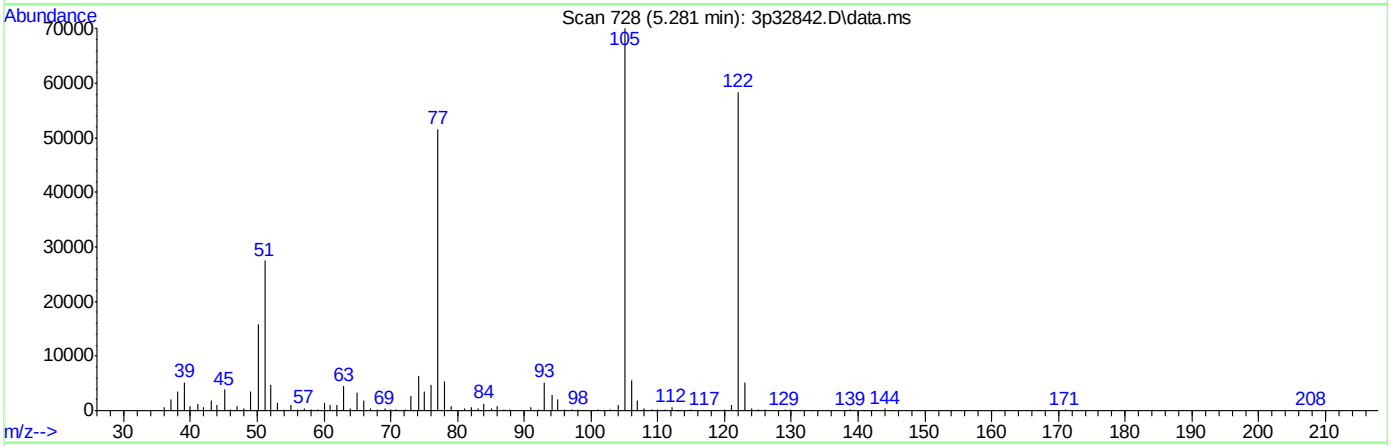
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.28	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32842.D
Acq On : 18 Jun 2014 1:04 am
Operator : ashleyd
Sample : op75688-msd
Misc : op75688,e3p1406,31.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 15:49:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32842.D\data.ms

(31) Benzoic acid (t)

5.281min (-0.053) 38.73ppb m

response 171007

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	83.38
77.00	70.30	73.76
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/30/14 12:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 18:13:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.287	152	203339	40.00	ppb	-0.06
24) Naphthalene-d8	4.595	136	765684	40.00	ppb	-0.06
47) Acenaphthene-d10	6.636	164	442747	40.00	ppb	-0.06
69) Phenanthrene-d10	8.404	188	692302	40.00	ppb	-0.07
83) Chrysene-d12	12.048	240	765462	40.00	ppb	-0.09
92) Perylene-d12	14.078	264	548640	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4a	3.287	152	203339	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.404	188	692302	40.00	ppb	-0.07
106) Chrysene-d12a	12.048	240	765462	40.00	ppb	-0.09
108) Acenaphthene-d10a	6.636	164	442747	40.00	ppb	-0.06
110) Naphthalene-d8a	4.595	136	765684	40.00	ppb	-0.06
112) Chrysene-d12b	12.048	240	765462	40.00	ppb	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	2.250	112	221282	42.76	ppb	-0.04
Spiked Amount 50.000			Recovery = 85.52%			
8) Phenol-d5	2.982	99	233714	31.94	ppb	-0.06
Spiked Amount 50.000			Recovery = 63.88%			
25) Nitrobenzene-d5	3.837	82	340945	48.79	ppb	-0.06
Spiked Amount 50.000			Recovery = 97.58%			
51) 2-Fluorobiphenyl	5.861	172	630946	48.51	ppb	-0.06
Spiked Amount 50.000			Recovery = 97.02%			
73) 2,4,6-Tribromophenol	7.587	330	97464	50.48	ppb	-0.07
Spiked Amount 50.000			Recovery = 100.96%			
86) Terphenyl-d14	10.552	244	662732	45.50	ppb	-0.08
Spiked Amount 50.000			Recovery = 91.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.390	88	67494	52.73	ppb	97
3) Pyridine	1.534	79	151435	35.88	ppb	93
4) N-Nitrosodimethylamine	1.513	74	119719	49.17	ppb	84
6) Indene	3.532	116	598314	51.43	ppb	97
7) Cumene	2.603	105	846798	53.03	ppb	95
9) Phenol	2.993	94	285009	33.56	ppb	82
10) Aniline	2.993	93	210736	23.43	ppb #	59
11) bis(2-Chloroethyl)ether	3.046	93	266695	48.25	ppb	95
12) 2-Chlorophenol	3.105	128	318045	46.38	ppb	95
13) Decane	3.137	43	409371	53.45	ppb	95
14) 1,3-Dichlorobenzene	3.233	146	336668	43.00	ppb	98
15) 1,4-Dichlorobenzene	3.303	146	351018	43.15	ppb	98
16) Benzyl alcohol	3.431	108	196843	43.06	ppb	83
17) 1,2-Dichlorobenzene	3.447	146	349016	45.43	ppb	96
18) Acetophenone	3.682	105	527558	51.49	ppb	98
19) 2-Methylphenol	3.559	108	267797	44.34	ppb	97
20) 2,2'-oxybis(1-Chloropr...	3.554	121	99500	44.20	ppb #	71
21) 3&4-Methylphenol	3.714	108	263054	40.95	ppb	93
22) n-Nitroso-di-n-propyla...	3.687	70	236214	45.64	ppb	83
23) Hexachloroethane	3.778	201	123126	42.24	ppb	95
26) Nitrobenzene	3.858	77	367749	50.21	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 18:13:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Quinoline	5.001	129	673633	49.89	ppb		99
28) Isophorone	4.104	82	578342	47.73	ppb		94
29) 2-Nitrophenol	4.195	139	171960	47.26	ppb		81
30) 2,4-Dimethylphenol	4.275	107	319926	50.05	ppb		96
31) Benzoic Acid	4.440	105	167861m	32.54	ppb		
32) bis(2-Chloroethoxy)met...	4.355	93	323332	50.73	ppb		99
33) 2,4-Dichlorophenol	4.473	162	266120	48.64	ppb		99
34) 2,6-Dichlorophenol	4.713	162	267369	48.25	ppb		98
36) 1,2,4-Trichlorobenzene	4.542	180	289084	45.55	ppb		96
38) Naphthalene	4.622	128	911720	46.20	ppb		99
39) 4-Chloroaniline	4.708	127	189818	22.76	ppb		90
40) 2,3-Dichloroaniline	5.760	161	331493	45.37	ppb		99
41) Caprolactam	5.103	55	86346	25.53	ppb		95
42) Hexachlorobutadiene	4.777	225	184004	45.31	ppb		96
43) 4-Chloro-3-methylphenol	5.317	107	294150	47.29	ppb		90
44) 2-Methylnaphthalene	5.413	141	532767	44.91	ppb		94
45) 1-Methylnaphthalene	5.525	141	592801	49.44	ppb		94
46) Dimethylnaphthalene	6.150	156	624601	49.15	ppb		97
48) Hexachlorocyclopentadiene	5.610	237	310423	96.22	ppb		99
49) 2,4,6-Trichlorophenol	5.776	196	188793	51.12	ppb		99
50) 2,4,5-Trichlorophenol	5.824	196	190248	46.80	ppb		92
52) 2-Chloronaphthalene	5.979	162	607534	50.62	ppb		95
53) Biphenyl	5.974	154	899084	56.70	ppb		98
54) 2-Nitroaniline	6.134	65	222996	52.56	ppb		92
55) Dimethylphthalate	6.369	163	688698	49.87	ppb		100
56) Acenaphthylene	6.460	152	810307	41.90	ppb		98
57) 2,6-Dinitrotoluene	6.428	165	143860	48.61	ppb		81
58) 3-Nitroaniline	6.625	138	112406	31.60	ppb		97
59) Acenaphthene	6.673	153	627338	52.40	ppb		98
60) 2,4-Dinitrophenol	6.764	184	161774	85.29	ppb	#	63
61) 4-Nitrophenol	6.925	109	108765	43.24	ppb		89
62) Dibenzofuran	6.882	168	836793	49.30	ppb		91
63) 2,4-Dinitrotoluene	6.914	165	207043	49.37	ppb		98
64) 2,3,4,6-Tetrachlorophenol	7.058	232	154847	45.04	ppb		92
65) Diethylphthalate	7.213	149	729350	48.69	ppb		98
66) Fluorene	7.288	166	672638	48.35	ppb		98
67) 4-Chlorophenyl-phenyle...	7.309	204	299678	47.54	ppb		91
68) 4-Nitroaniline	7.363	138	146717	42.41	ppb	#	76
70) 4,6-Dinitro-2-methylph...	7.405	198	101727	44.36	ppb		90
71) n-Nitrosodiphenylamine	7.464	169	440178	52.68	ppb		98
72) 1,2-Diphenylhydrazine	7.502	77	767093	58.04	ppb		97
74) 4-Bromophenyl-phenylether	7.892	248	186920	52.97	ppb		91
75) Hexachlorobenzene	7.956	284	219290	49.73	ppb		93
76) Pentachlorophenol	8.217	266	102141	42.12	ppb		90
77) Phenanthrene	8.431	178	935800	49.46	ppb		99
78) Anthracene	8.495	178	955615	50.85	ppb		99
79) Carbazole	8.725	167	841168	47.87	ppb		98
80) Di-n-butylphthalate	9.222	149	1229501	53.18	ppb		99
81) Fluoranthene	9.970	202	1026634	49.71	ppb		97
82) Octadecane	8.367	57	509296	63.38	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 18:13:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

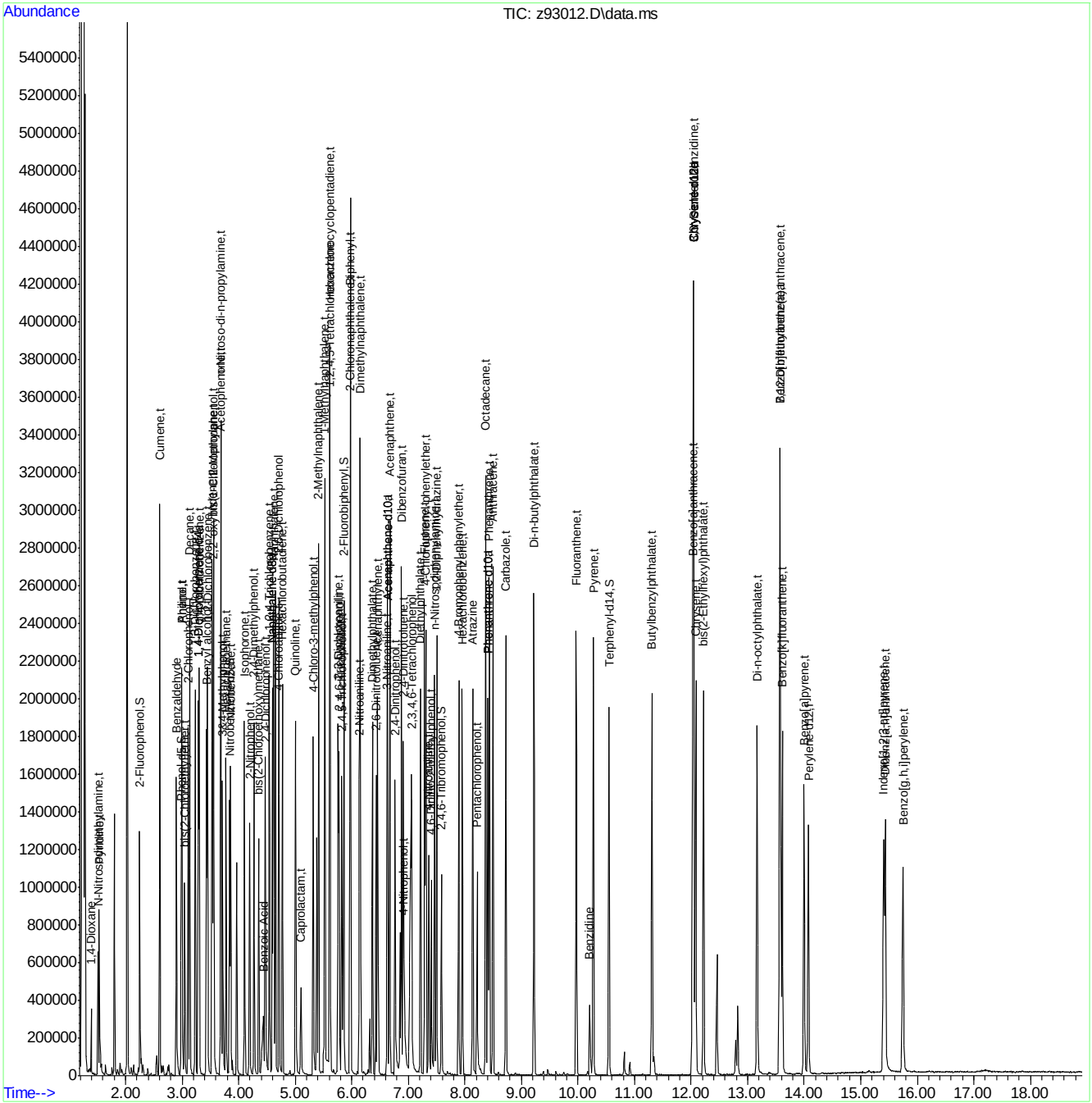
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Pyrene	10.274	202	1025644	47.44	ppb		99
87) Butylbenzylphthalate	11.311	149	527003	49.27	ppb		96
88) Benzo[a]anthracene	12.032	228	939848	45.28	ppb		100
89) 3,3'-Dichlorobenzidine	12.048	252	442494	55.25	ppb		98
90) Chrysene	12.085	228	863281	49.64	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.219	149	678843	51.06	ppb		99
93) Di-n-octylphthalate	13.170	149	1118252	50.46	ppb		96
94) Benzo[b]fluoranthene	13.576	252	947202	53.66	ppb		97
95) Benzo[k]fluoranthene	13.613	252	759968	47.73	ppb		99
96) Benzo[a]pyrene	14.003	252	736914	49.78	ppb		100
97) Indeno[1,2,3-cd]pyrene	15.403	276	881509m	56.56	ppb		
99) Dibenz[a,h]anthracene	15.435	278	724302	58.73	ppb		98
100) 7,12-Dimethylbenz(a)an...	13.576	256	450063	45.23	ppb		98
101) Benzo[g,h,i]perylene	15.750	276	697068	58.22	ppb		98
103) Benzaldehyde	2.897	105	229768	40.65	ppb	#	82
105) Atrazine	8.143	215	98909	52.87	ppb	#	82
107) Benzidine	10.205	184	161368	12.97	ppb		99
109) 1,2,4,5-Tetrachloroben...	5.616	216	292670	44.77	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 18:13:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



Manual Integration Approval Summary

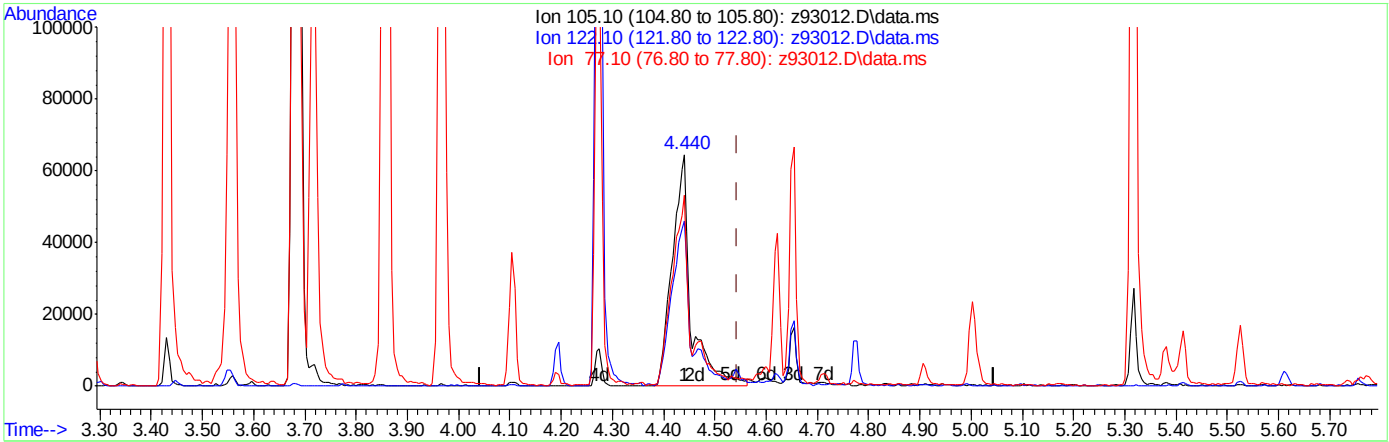
Sample Number:	OP75710-MS	**Method:**	SW846 8270D
Lab FileID:	Z93012.D	**Analyst approved:**	06/29/14 18:31 Kristi Schollenberger
Injection Time:	06/28/14 03:24	**Supervisor approved:**	06/30/14 12:55 Cheng-Hwan Ao

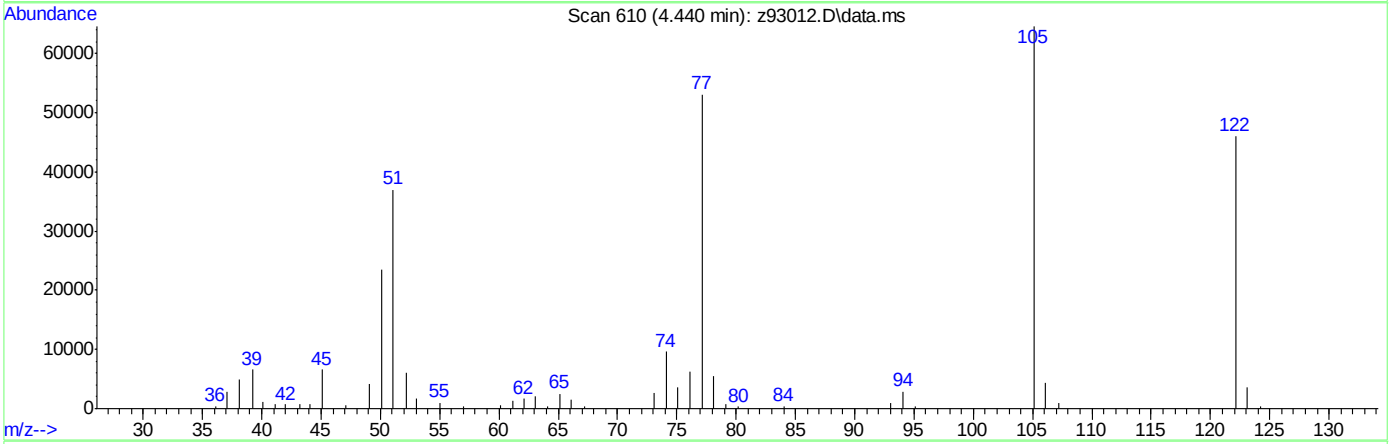
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.44	Split peak
Indeno(1,2,3-cd)pyrene	193-39-5		15.40	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 03:43:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93012.D\data.ms

(31) Benzoic Acid

4.440min (-0.104) 32.54ppb m

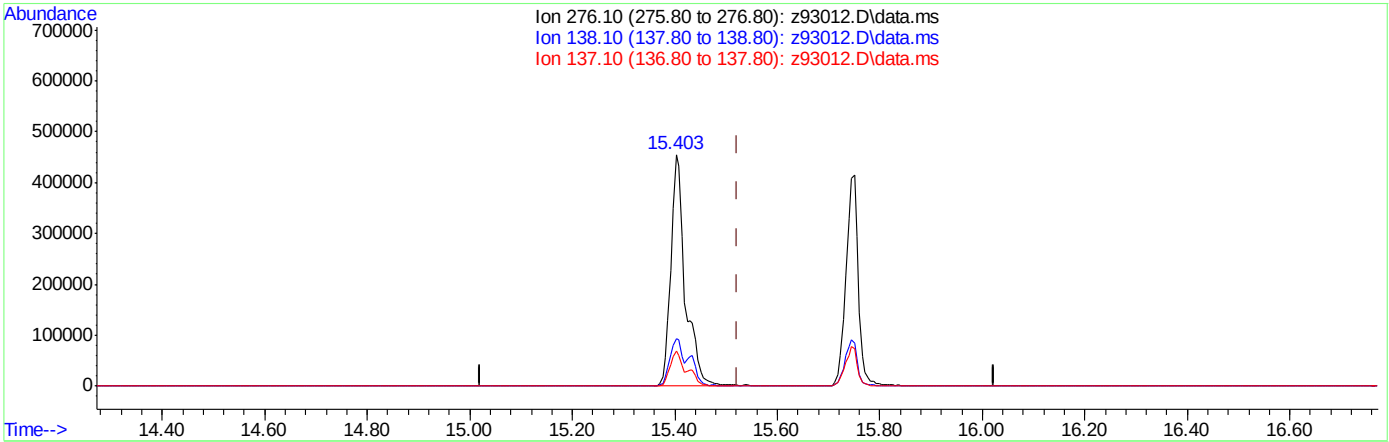
response 167861

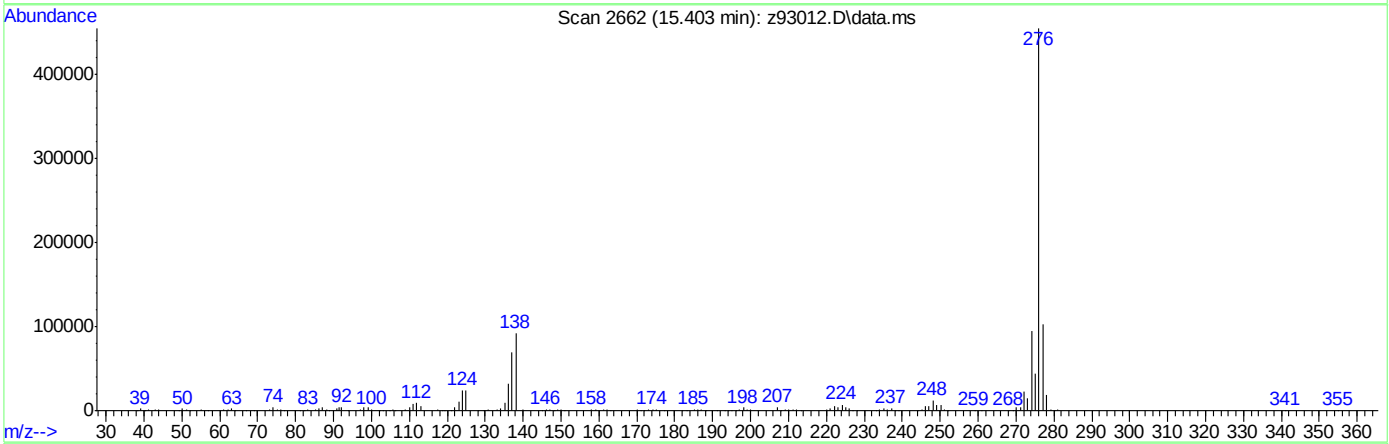
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	59.75
77.10	35.20	65.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93012.D
Acq On : 28 Jun 2014 3:24 am
Operator : andrews1
Sample : op75710-ms
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 03:43:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93012.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.403min (-0.120) 56.56ppb m

response 881509

Ion	Exp%	Act%
276.10	100	100
138.10	20.60	20.28
137.10	14.40	15.23
0.00	0.00	0.00

Z93012.D edits: Indeno[1,2,3-cd]pyrene

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/30/14 12:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 29 18:14:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.286	152	210554	40.00	ppb	-0.06
24) Naphthalene-d8	4.601	136	793603	40.00	ppb	-0.06
47) Acenaphthene-d10	6.636	164	461896	40.00	ppb	-0.06
69) Phenanthrene-d10	8.404	188	742256	40.00	ppb	-0.07
83) Chrysene-d12	12.048	240	794499	40.00	ppb	-0.09
92) Perylene-d12	14.078	264	562871	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4a	3.286	152	210554	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.404	188	742256	40.00	ppb	-0.07
106) Chrysene-d12a	12.048	240	794499	40.00	ppb	-0.09
108) Acenaphthene-d10a	6.636	164	461896	40.00	ppb	-0.06
110) Naphthalene-d8a	4.601	136	793603	40.00	ppb	-0.06
112) Chrysene-d12b	12.048	240	794499	40.00	ppb	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	2.250	112	233431	43.57	ppb	-0.04
Spiked Amount 50.000			Recovery = 87.14%			
8) Phenol-d5	2.982	99	256501	33.85	ppb	-0.06
Spiked Amount 50.000			Recovery = 67.70%			
25) Nitrobenzene-d5	3.837	82	368376	50.86	ppb	-0.06
Spiked Amount 50.000			Recovery = 101.72%			
51) 2-Fluorobiphenyl	5.861	172	700325	51.61	ppb	-0.06
Spiked Amount 50.000			Recovery = 103.22%			
73) 2,4,6-Tribromophenol	7.587	330	110999	53.62	ppb	-0.07
Spiked Amount 50.000			Recovery = 107.24%			
86) Terphenyl-d14	10.552	244	725657	48.00	ppb	-0.08
Spiked Amount 50.000			Recovery = 96.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.390	88	62818	47.39	ppb	94
3) Pyridine	1.534	79	192636	44.07	ppb	91
4) N-Nitrosodimethylamine	1.513	74	116052	46.03	ppb	89
6) Indene	3.532	116	669815	55.61	ppb	100
7) Cumene	2.603	105	931479	56.33	ppb	97
9) Phenol	2.993	94	315086	35.84	ppb	80
10) Aniline	2.993	93	261406	28.07	ppb	74
11) bis(2-Chloroethyl)ether	3.046	93	295655	51.66	ppb	94
12) 2-Chlorophenol	3.105	128	359753	50.66	ppb	96
13) Decane	3.137	43	474503	59.83	ppb	91
14) 1,3-Dichlorobenzene	3.233	146	392801	48.45	ppb	97
15) 1,4-Dichlorobenzene	3.303	146	407054	48.32	ppb	99
16) Benzyl alcohol	3.431	108	218120	46.08	ppb	80
17) 1,2-Dichlorobenzene	3.447	146	399641	50.23	ppb	98
18) Acetophenone	3.682	105	587061	55.34	ppb	98
19) 2-Methylphenol	3.559	108	300290	48.01	ppb	95
20) 2,2'-oxybis(1-Chloropr...	3.554	121	115322	49.48	ppb #	79
21) 3&4-Methylphenol	3.719	108	291843	43.87	ppb	94
22) n-Nitroso-di-n-propyla...	3.687	70	266331	49.70	ppb	85
23) Hexachloroethane	3.778	201	148804	49.30	ppb	91
26) Nitrobenzene	3.858	77	413750	54.50	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 29 18:14:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Quinoline	5.001	129	788487	56.35	ppb		99
28) Isophorone	4.104	82	633096	50.41	ppb		92
29) 2-Nitrophenol	4.195	139	194938	51.69	ppb		81
30) 2,4-Dimethylphenol	4.275	107	364631	55.04	ppb		97
31) Benzoic Acid	4.446	105	178874m	33.46	ppb		
32) bis(2-Chloroethoxy)met...	4.355	93	372214	56.35	ppb		99
33) 2,4-Dichlorophenol	4.472	162	299173	52.76	ppb		98
34) 2,6-Dichlorophenol	4.713	162	299992	52.24	ppb		99
36) 1,2,4-Trichlorobenzene	4.542	180	340672	51.80	ppb		98
38) Naphthalene	4.622	128	1059918	51.82	ppb		99
39) 4-Chloroaniline	4.707	127	226274	26.17	ppb		90
40) 2,3-Dichloroaniline	5.760	161	366700	48.42	ppb		98
41) Caprolactam	5.108	55	92959	26.52	ppb		99
42) Hexachlorobutadiene	4.777	225	215019	51.08	ppb		97
43) 4-Chloro-3-methylphenol	5.317	107	331539	51.43	ppb		93
44) 2-Methylnaphthalene	5.413	141	604666	49.18	ppb		94
45) 1-Methylnaphthalene	5.525	141	671439	54.03	ppb		95
46) Dimethylnaphthalene	6.150	156	703866	53.44	ppb		99
48) Hexachlorocyclopentadiene	5.610	237	370823	107.40	ppb		98
49) 2,4,6-Trichlorophenol	5.776	196	216032	56.07	ppb		99
50) 2,4,5-Trichlorophenol	5.824	196	227552	53.65	ppb		99
52) 2-Chloronaphthalene	5.979	162	695694	55.56	ppb		96
53) Biphenyl	5.974	154	1020970	61.71	ppb		100
54) 2-Nitroaniline	6.134	65	253421	57.25	ppb		91
55) Dimethylphthalate	6.369	163	775860	53.85	ppb		99
56) Acenaphthylene	6.465	152	909661	45.09	ppb		98
57) 2,6-Dinitrotoluene	6.433	165	166668	53.98	ppb		92
58) 3-Nitroaniline	6.631	138	119914	32.32	ppb		91
59) Acenaphthene	6.673	153	704048	56.37	ppb		99
60) 2,4-Dinitrophenol	6.764	184	191370	95.75	ppb	#	54
61) 4-Nitrophenol	6.925	109	118708	45.24	ppb		83
62) Dibenzofuran	6.882	168	917013	51.79	ppb		89
63) 2,4-Dinitrotoluene	6.914	165	229019	52.35	ppb		100
64) 2,3,4,6-Tetrachlorophenol	7.063	232	176568	49.23	ppb		92
65) Diethylphthalate	7.218	149	863619	55.27	ppb		99
66) Fluorene	7.293	166	796569	54.88	ppb		99
67) 4-Chlorophenyl-phenyle...	7.315	204	361884	55.03	ppb		97
68) 4-Nitroaniline	7.368	138	181381	50.25	ppb		85
70) 4,6-Dinitro-2-methylph...	7.405	198	129039	52.48	ppb		93
71) n-Nitrosodiphenylamine	7.464	169	519897	58.04	ppb		99
72) 1,2-Diphenylhydrazine	7.502	77	868728	61.31	ppb		98
74) 4-Bromophenyl-phenylether	7.891	248	216909	57.33	ppb		90
75) Hexachlorobenzene	7.956	284	252481	53.40	ppb		89
76) Pentachlorophenol	8.217	266	124624	47.04	ppb		99
77) Phenanthrene	8.436	178	1081358	53.30	ppb		99
78) Anthracene	8.495	178	1091329	54.17	ppb		98
79) Carbazole	8.725	167	956611	50.77	ppb		97
80) Di-n-butylphthalate	9.222	149	1398281	56.41	ppb		99
81) Fluoranthene	9.970	202	1145080	51.72	ppb		98
82) Octadecane	8.367	57	575868	66.84	ppb		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 29 18:14:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

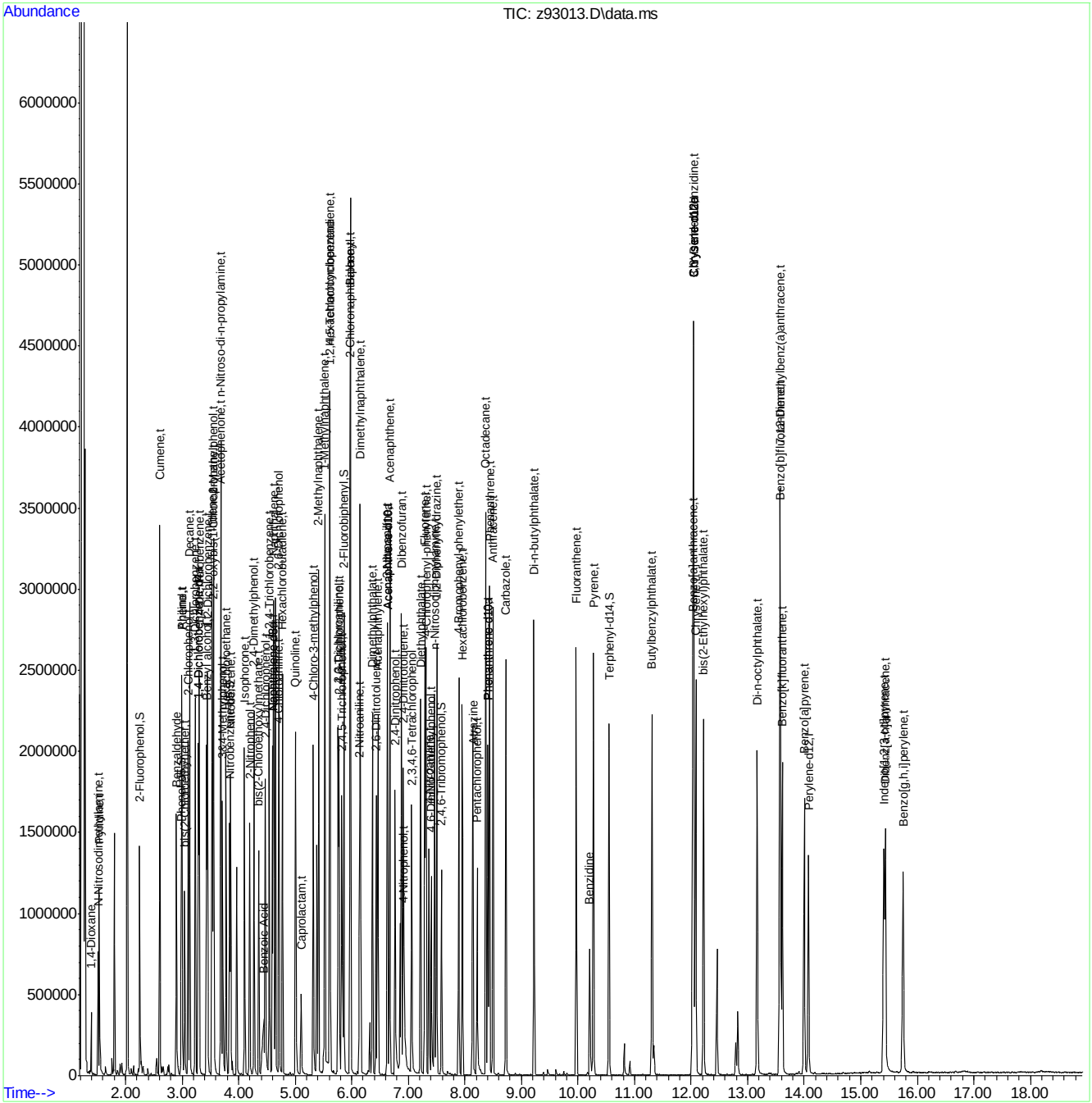
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Pyrene	10.274	202	1151644	51.33	ppb		99
87)	Butylbenzylphthalate	11.311	149	586536	52.84	ppb		98
88)	Benzo[a]anthracene	12.032	228	1055242	48.98	ppb		99
89)	3,3'-Dichlorobenzidine	12.048	252	501513	60.33	ppb		99
90)	Chrysene	12.085	228	957626	53.05	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.219	149	744392	53.95	ppb		97
93)	Di-n-octylphthalate	13.170	149	1231687	54.17	ppb		96
94)	Benzo[b]fluoranthene	13.581	252	1027664	56.75	ppb		99
95)	Benzo[k]fluoranthene	13.618	252	859648	52.63	ppb		98
96)	Benzo[a]pyrene	14.003	252	816663	53.78	ppb		99
97)	Indeno[1,2,3-cd]pyrene	15.408	276	977843m	61.16	ppb		
99)	Dibenz[a,h]anthracene	15.435	278	805245	63.64	ppb		98
100)	7,12-Dimethylbenz(a)an...	13.576	256	491227	47.79	ppb		97
101)	Benzo[g,h,i]perylene	15.750	276	781440	63.61	ppb		98
103)	Benzaldehyde	2.902	105	237094	40.51	ppb	#	80
105)	Atrazine	8.148	215	111601	55.63	ppb	#	81
107)	Benzidine	10.205	184	330074	25.57	ppb		97
109)	1,2,4,5-Tetrachloroben...	5.616	216	329967	48.38	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 29 18:14:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



Manual Integration Approval Summary

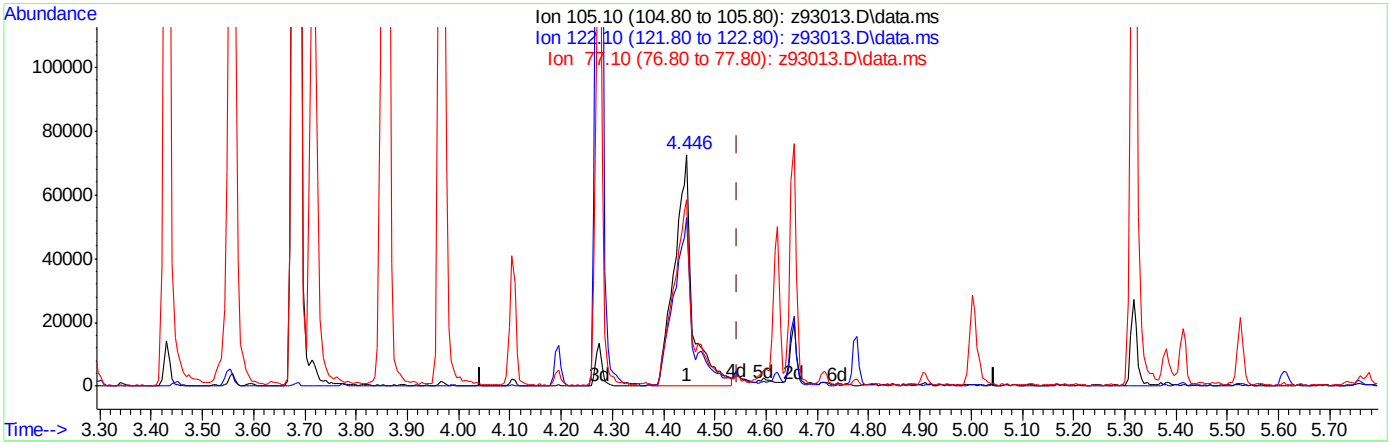
Sample Number:	OP75710-MSD	**Method:**	SW846 8270D
Lab FileID:	Z93013.D	**Analyst approved:**	06/29/14 18:31 Kristi Schollenberger
Injection Time:	06/28/14 03:50	**Supervisor approved:**	06/30/14 12:55 Cheng-Hwan Ao

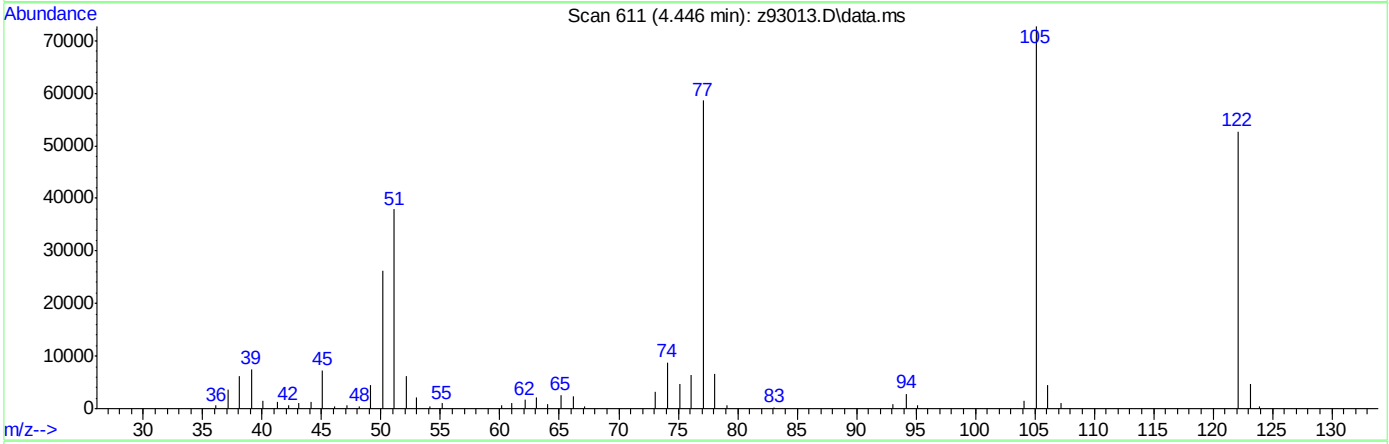
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.45	Split peak
Indeno(1,2,3-cd)pyrene	193-39-5		15.41	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 04:09:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93013.D\data.ms

(31) Benzoic Acid

4.446min (-0.099) 33.46ppb m

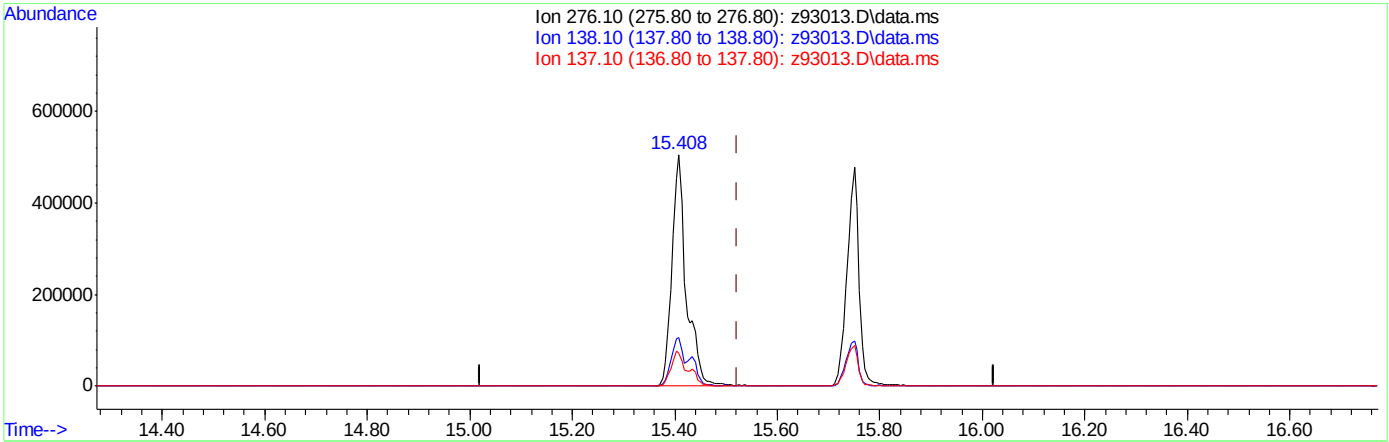
response 178874

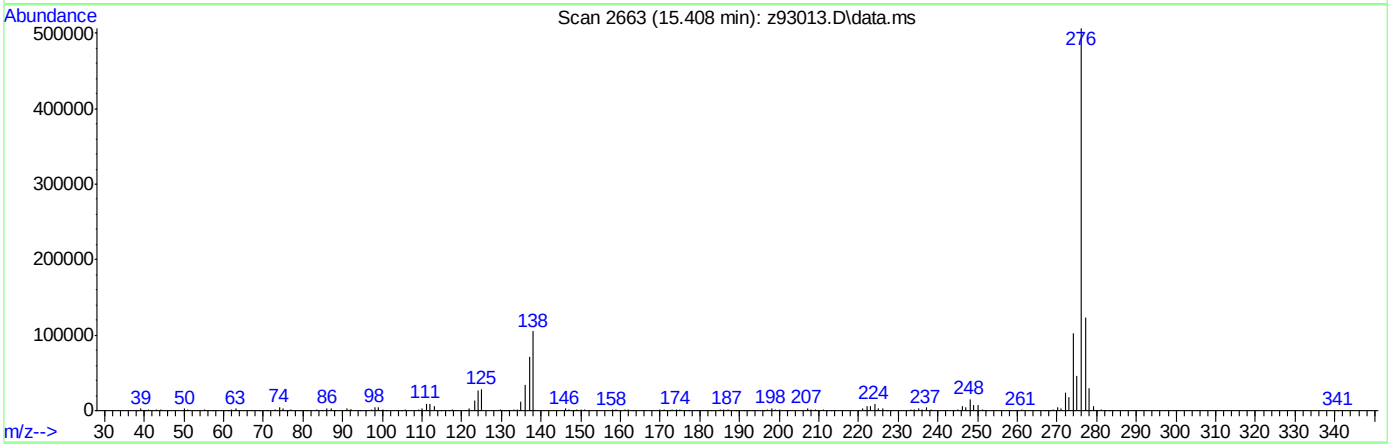
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	63.86
77.10	35.20	70.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93013.D
Acq On : 28 Jun 2014 3:50 am
Operator : andrews1
Sample : op75710-msd
Misc : op75710,ez4621,500,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 04:09:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93013.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.408min (-0.115) 61.16ppb m

response 977843

Ion	Exp%	Act%
276.10	100	100
138.10	20.60	20.78
137.10	14.40	14.03
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Owen McKenna 06/27/14 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 16:05:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.455	152	285177	40.00	ppb		0.00
24) Naphthalene-d8	4.785	136	1118944	40.00	ppb		0.00
47) Acenaphthene-d10	6.836	164	607745	40.00	ppb		0.00
69) Phenanthrene-d10	8.631	188	860893	40.00	ppb		0.00
83) Chrysene-d12	12.339	240	333896	40.00	ppb		0.00
92) Perylene-d12	14.395	264	305120	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.455	152	285177	40.00	ppb		0.00
104) Phenanthrene-d10a	8.631	188	860893	40.00	ppb		0.00
106) Chrysene-d12a	12.339	240	333896	40.00	ppb		0.00
108) Acenaphthene-d10a	6.836	164	607745	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.402	112	166529	17.09	ppb		0.00
Spiked Amount 50.000			Recovery = 34.18%				
8) Phenol-d5	3.161	99	415590	33.86	ppb		0.00
Spiked Amount 50.000			Recovery = 67.72%				
25) Nitrobenzene-d5	4.015	82	406656	41.24	ppb		0.00
Spiked Amount 50.000			Recovery = 82.48%				
51) 2-Fluorobiphenyl	6.051	172	849448	44.09	ppb		0.00
Spiked Amount 50.000			Recovery = 88.18%				
73) 2,4,6-Tribromophenol	7.803	330	125275	59.55	ppb		0.00
Spiked Amount 50.000			Recovery = 119.10%				
86) Terphenyl-d14	10.800	244	285677	42.54	ppb		0.00
Spiked Amount 50.000			Recovery = 85.08%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.494	88	26227	5.37	ppb	#	67
3) Pyridine	1.649	79	83053	6.56	ppb	#	42
4) N-Nitrosodimethylamine	1.622	74	54161	7.92	ppb	#	1
6) Indene	3.706	116	799589	41.41	ppb		96
7) Cumene	2.755	105	774017	28.34	ppb		94
9) Phenol	3.171	94	494024	35.86	ppb		61
10) Aniline	3.161	93	188326	12.58	ppb		91
11) bis(2-Chloroethyl)ether	3.203	93	360675	37.35	ppb		95
12) 2-Chlorophenol	3.278	128	428452	39.02	ppb		98
13) Decane	3.294	43	401204	30.72	ppb		89
14) 1,3-Dichlorobenzene	3.406	146	477938	40.41	ppb		97
15) 1,4-Dichlorobenzene	3.471	146	494514	40.82	ppb		98
16) Benzyl alcohol	3.604	108	269636	40.77	ppb		89
17) 1,2-Dichlorobenzene	3.620	146	475919	41.91	ppb		99
18) Acetophenone	3.855	105	676457	42.85	ppb		95
19) 2-Methylphenol	3.743	108	378571	40.94	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.716	121	135630	42.52	ppb	#	85
21) 3&4-Methylphenol	3.903	108	395631	39.86	ppb		98
22) n-Nitroso-di-n-propyla...	3.855	70	293912	42.24	ppb		86
23) Hexachloroethane	3.951	201	132421	35.36	ppb		91
26) Nitrobenzene	4.031	77	443138	40.65	ppb		91
27) Quinoline	5.196	129	948865	42.33	ppb		99
28) Isophorone	4.288	82	758070	42.10	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 16:05:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.373	139	195093	38.23	ppb		85
30) 2,4-Dimethylphenol	4.459	107	461146	54.17	ppb		95
31) Benzoic Acid	4.630	105	135240m	28.39	ppb		
32) bis(2-Chloroethoxy)met...	4.528	93	473303	43.24	ppb		99
33) 2,4-Dichlorophenol	4.667	162	378235	48.46	ppb		97
34) 2,6-Dichlorophenol	4.902	162	371090	48.48	ppb		98
36) 1,2,4-Trichlorobenzene	4.731	180	432602	46.54	ppb		98
38) Naphthalene	4.811	128	1559425	49.97	ppb		99
39) 4-Chloroaniline	4.892	127	210180	17.08	ppb		96
40) 2,3-Dichloroaniline	5.955	161	431498	40.39	ppb		99
41) Caprolactam	5.303	55	188164	36.19	ppb		92
42) Hexachlorobutadiene	4.956	225	265065	52.76	ppb		99
43) 4-Chloro-3-methylphenol	5.517	107	381388	45.99	ppb		96
44) 2-Methylnaphthalene	5.607	141	853363	50.33	ppb		96
45) 1-Methylnaphthalene	5.720	141	920100	49.26	ppb		97
46) Dimethylnaphthalene	6.350	156	896022	47.35	ppb		97
48) Hexachlorocyclopentadiene	5.794	237	55322	11.51	ppb		97
49) 2,4,6-Trichlorophenol	5.976	196	267552	50.73	ppb		99
50) 2,4,5-Trichlorophenol	6.040	196	278903	49.85	ppb		98
52) 2-Chloronaphthalene	6.179	162	796640	44.06	ppb		98
53) Biphenyl	6.163	154	1196968	46.56	ppb		99
54) 2-Nitroaniline	6.329	65	246187	49.65	ppb		92
55) Dimethylphthalate	6.548	163	934358	48.40	ppb		99
56) Acenaphthylene	6.665	152	1138166	40.07	ppb		99
57) 2,6-Dinitrotoluene	6.622	165	162715	41.12	ppb		89
58) 3-Nitroaniline	6.825	138	179650	35.93	ppb		91
59) Acenaphthene	6.879	153	998659	55.57	ppb		99
60) 2,4-Dinitrophenol	6.980	184	15266	16.09	ppb		71
61) 4-Nitrophenol	7.087	109	5308	2.35	ppb	#	1
62) Dibenzofuran	7.087	168	1292830	51.86	ppb		81
63) 2,4-Dinitrotoluene	7.119	165	206836	38.30	ppb		94
64) 2,3,4,6-Tetrachlorophenol	7.274	232	207162	45.74	ppb		98
65) Diethylphthalate	7.402	149	948063	50.45	ppb		100
66) Fluorene	7.499	166	1149503	58.96	ppb		98
67) 4-Chlorophenyl-phenyle...	7.509	204	426626	46.76	ppb		93
68) 4-Nitroaniline	7.563	138	201282m	40.16	ppb		
70) 4,6-Dinitro-2-methylph...	7.627	198	17487	6.33	ppb		91
71) n-Nitrosodiphenylamine	7.664	169	610682	55.99	ppb		98
72) 1,2-Diphenylhydrazine	7.702	77	801391	47.25	ppb		96
74) 4-Bromophenyl-phenylether	8.092	248	240056	54.31	ppb		88
75) Hexachlorobenzene	8.177	284	258756	49.06	ppb		94
76) Pentachlorophenol	8.444	266	106639	39.77	ppb		99
77) Phenanthrene	8.663	178	3676254	146.82	ppb		99
78) Anthracene	8.722	178	1827604	75.30	ppb		100
79) Carbazole	8.952	167	1201929	47.81	ppb		98
80) Di-n-butylphthalate	9.432	149	987942	40.01	ppb		97
81) Fluoranthene	10.239	202	2157350	88.49	ppb		82
82) Octadecane	8.556	57	520912	44.06	ppb		91
84) Pyrene	10.549	202	1679876	165.01	ppb		83
87) Butylbenzylphthalate	11.553	149	220157	53.62	ppb		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 16:05:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

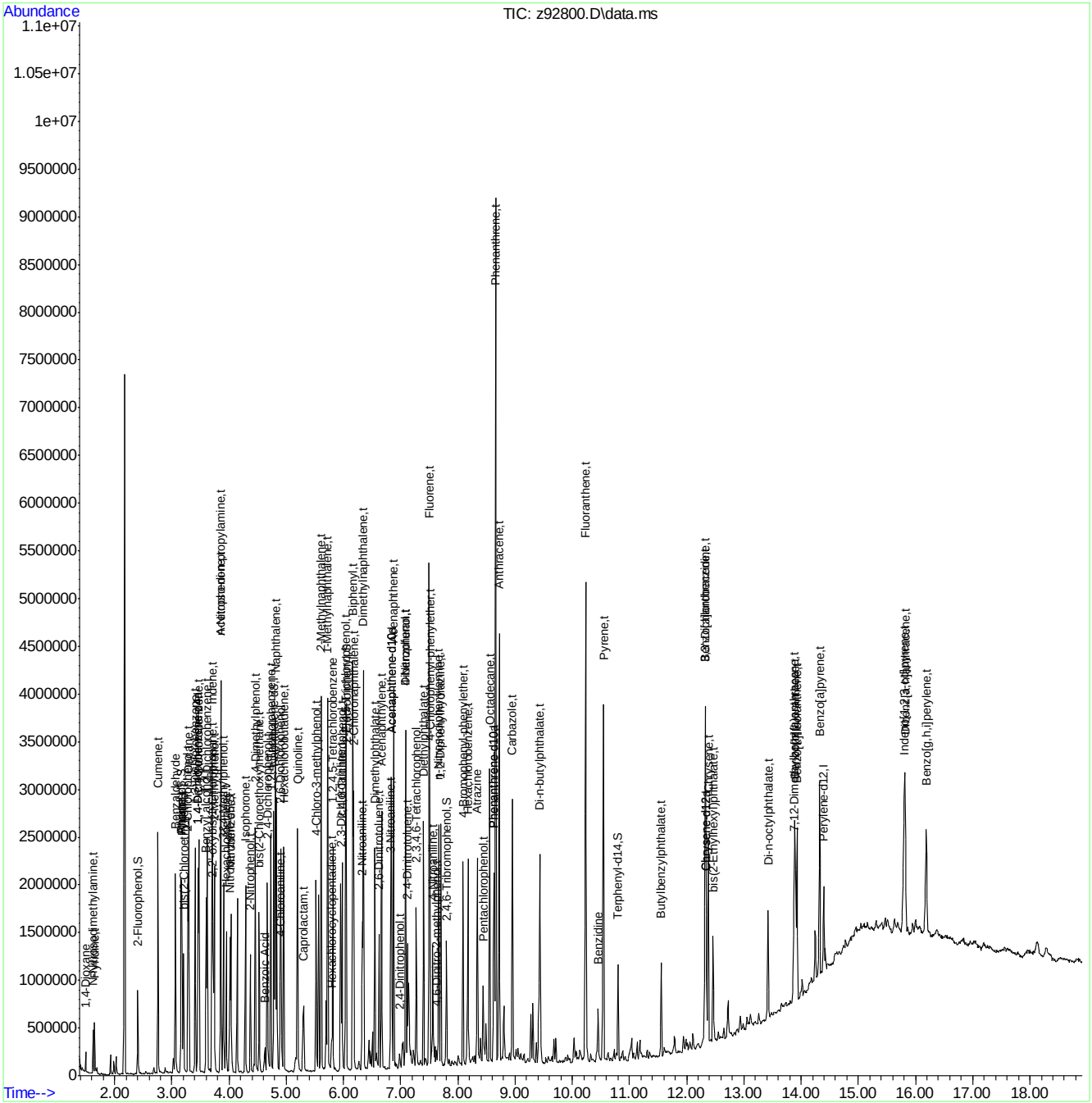
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88)	Benzo[a]anthracene	12.323	228	981724	106.91	ppb		97
89)	3,3'-Dichlorobenzidine	12.323	252	250026	82.83	ppb		98
90)	Chrysene	12.381	228	787097	86.35	ppb		98
91)	bis(2-Ethylhexyl)phtha...	12.462	149	332313	59.59	ppb		90
93)	Di-n-octylphthalate	13.423	149	545628	53.08	ppb		91
94)	Benzo[b]fluoranthene	13.899	252	1077174	118.47	ppb		88
95)	Benzo[k]fluoranthene	13.931	252	579555	61.71	ppb		91
96)	Benzo[a]pyrene	14.326	252	811814	100.51	ppb		91
97)	Indeno[1,2,3-cd]pyrene	15.800	276	820585	105.32	ppb		88
99)	Dibenz[a,h]anthracene	15.816	278	558881	68.02	ppb		90
100)	7,12-Dimethylbenz(a)an...	13.877	256	191153	53.98	ppb		96
101)	Benzo[g,h,i]perylene	16.190	276	629779	77.59	ppb		83
103)	Benzaldehyde	3.059	105	319297	47.69	ppb		82
105)	Atrazine	8.343	215	116179	57.94	ppb	#	83
107)	Benzidine	10.453	184	200180	58.40	ppb		100
109)	1,2,4,5-Tetrachloroben...	5.816	216	387520	52.82	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 16:05:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration



Manual Integration Approval Summary

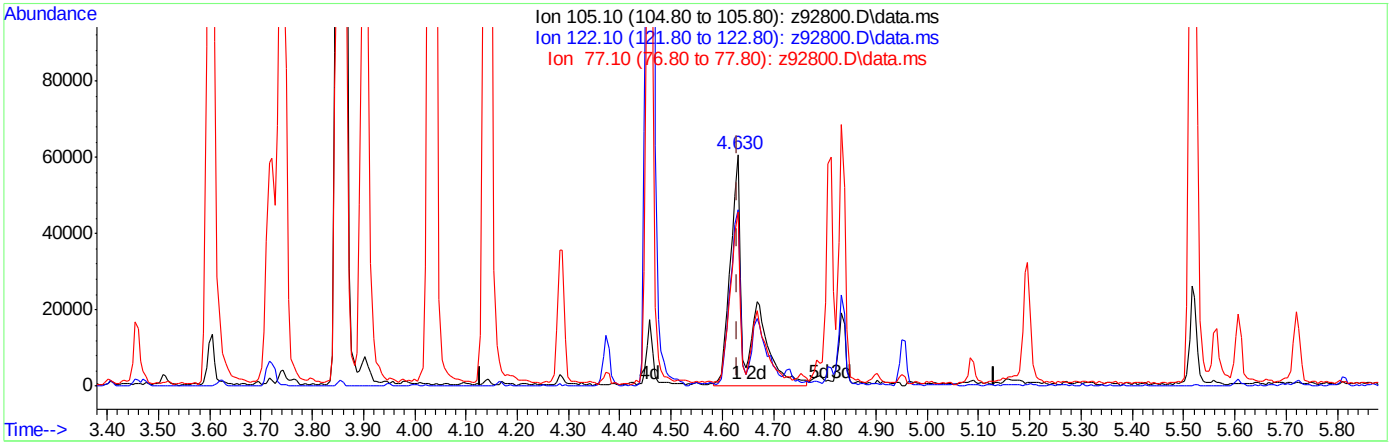
Sample Number:	OP75724-MS	**Method:**	SW846 8270D
Lab FileID:	Z92800.D	**Analyst approved:**	06/20/14 16:08 Ashley Royal
Injection Time:	06/20/14 04:43	**Supervisor approved:**	06/27/14 14:41 Owen McKenna

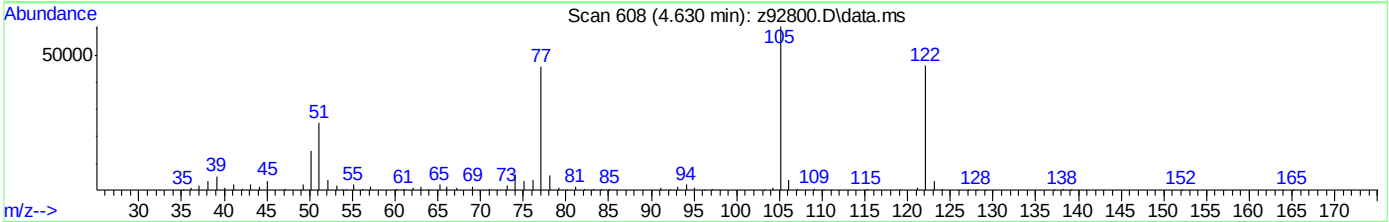
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.63	Poor instrument integration
4-Nitroaniline	100-01-6		7.56	Poor instrument integration

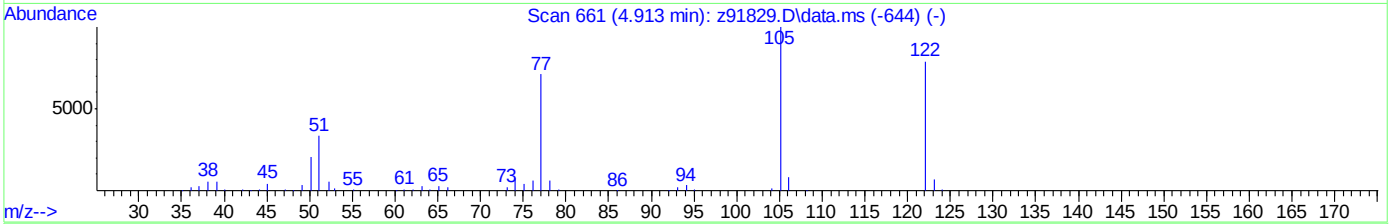
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 15:52:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration







TIC: z92800.D\data.ms

(31) Benzoic Acid

4.630min (0.000) 28.39ppb m

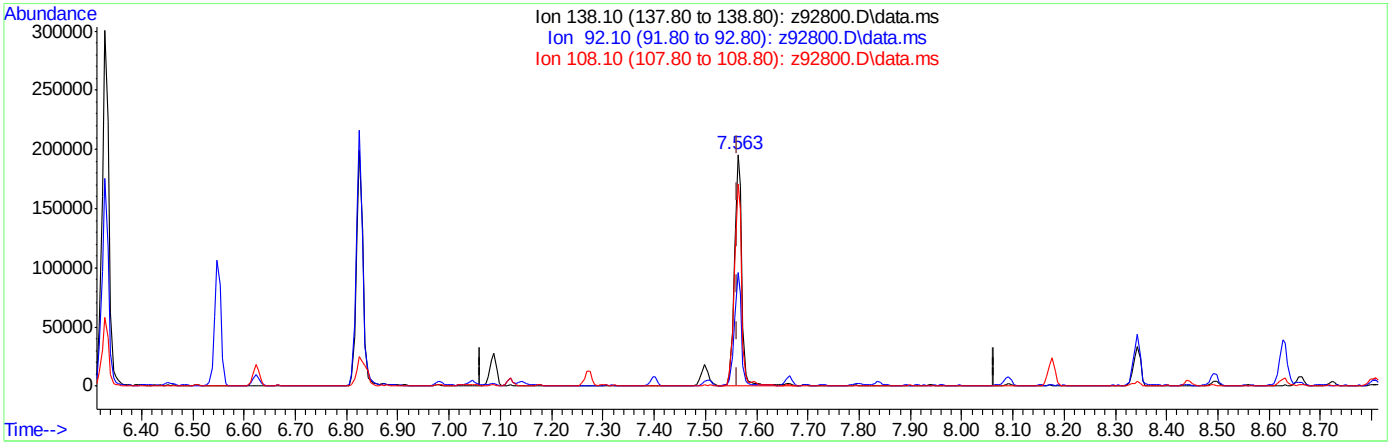
response 135240

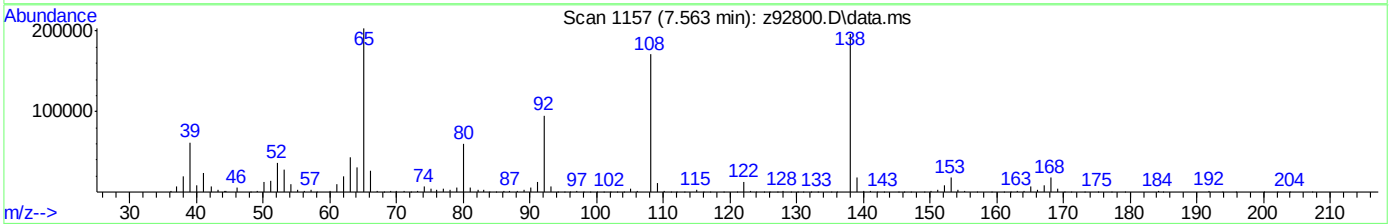
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	46.95#
77.10	33.90	43.06
0.00	0.00	0.00

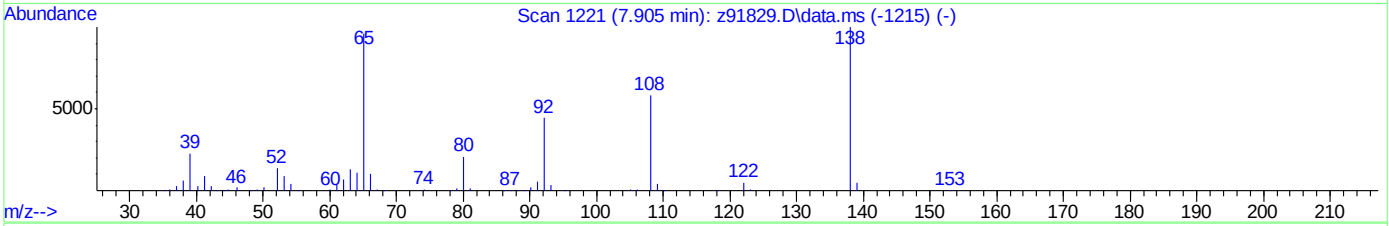
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92800.D
Acq On : 20 Jun 2014 4:43 am
Operator : ashleyv
Sample : op75724-ms
Misc : op75724,ez4609,32.6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 20 15:52:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration







TIC: z92800.D\data.ms

(68) 4-Nitroaniline (t)

7.563min (0.000) 40.16ppb m

response 201282

Ion	Exp%	Act%
138.10	100	100
92.10	42.90	48.82
108.10	56.40	87.28#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Owen McKenna 06/27/14 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92801.D
Acq On : 20 Jun 2014 5:09 am
Operator : ashleyv
Sample : op75724-msd
Misc : op75724,ez4609,30.9
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 20 16:06:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.455	152	301978	40.00	ppb	0.00
24) Naphthalene-d8	4.785	136	1224059	40.00	ppb	0.00
47) Acenaphthene-d10	6.836	164	693196	40.00	ppb	0.00
69) Phenanthrene-d10	8.626	188	1015068	40.00	ppb	0.00
83) Chrysene-d12	12.333	240	337258	40.00	ppb	0.00
92) Perylene-d12	14.390	264	281631	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.455	152	301978	40.00	ppb	0.00
104) Phenanthrene-d10a	8.626	188	1015068	40.00	ppb	0.00
106) Chrysene-d12a	12.333	240	337258	40.00	ppb	0.00
108) Acenaphthene-d10a	6.836	164	693196	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.407	112	152172	14.75	ppb	0.00
Spiked Amount 50.000			Recovery =	29.50%		
8) Phenol-d5	3.161	99	368702	28.37	ppb	0.00
Spiked Amount 50.000			Recovery =	56.74%		
25) Nitrobenzene-d5	4.010	82	357616	33.15	ppb	0.00
Spiked Amount 50.000			Recovery =	66.30%		
51) 2-Fluorobiphenyl	6.046	172	842178	38.33	ppb	0.00
Spiked Amount 50.000			Recovery =	76.66%		
73) 2,4,6-Tribromophenol	7.798	330	132552	53.44	ppb	0.00
Spiked Amount 50.000			Recovery =	106.88%		
86) Terphenyl-d14	10.800	244	326152	48.09	ppb	0.00
Spiked Amount 50.000			Recovery =	96.18%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.494	88	17587	3.40	ppb	# 70
3) Pyridine	1.649	79	55805	4.17	ppb	# 41
4) N-Nitrosodimethylamine	1.622	74	40241	5.56	ppb	# 1
6) Indene	3.706	116	697513	34.11	ppb	95
7) Cumene	2.755	105	725290	25.08	ppb	95
9) Phenol	3.171	94	460884	31.60	ppb	61
10) Aniline	3.155	93	366450	23.12	ppb	94
11) bis(2-Chloroethyl)ether	3.203	93	323787	31.67	ppb	94
12) 2-Chlorophenol	3.278	128	378179	32.52	ppb	98
13) Decane	3.294	43	328542	23.76	ppb	89
14) 1,3-Dichlorobenzene	3.406	146	413732	33.04	ppb	97
15) 1,4-Dichlorobenzene	3.471	146	428945	33.43	ppb	99
16) Benzyl alcohol	3.599	108	242487	34.62	ppb	88
17) 1,2-Dichlorobenzene	3.620	146	415447	34.55	ppb	100
18) Acetophenone	3.855	105	596109	35.66	ppb	95
19) 2-Methylphenol	3.738	108	340546	34.78	ppb	96
20) 2,2'-oxybis(1-Chloropr...	3.722	121	115756	34.27	ppb	91
21) 3&4-Methylphenol	3.898	108	364625	34.69	ppb	97
22) n-Nitroso-di-n-propyla...	3.855	70	258495	35.08	ppb	86
23) Hexachloroethane	3.951	201	103143	26.01	ppb	86
26) Nitrobenzene	4.032	77	399042	33.46	ppb	91
27) Quinoline	5.196	129	957306	39.04	ppb	100
28) Isophorone	4.283	82	673369	34.19	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92801.D
Acq On : 20 Jun 2014 5:09 am
Operator : ashleyv
Sample : op75724-msd
Misc : op75724,ez4609,30.9
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 20 16:06:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.373	139	168631	30.20	ppb		88
30)	2,4-Dimethylphenol	4.459	107	440579	47.31	ppb		94
31)	Benzoic Acid	4.630	105	167081m	32.06	ppb		
32)	bis(2-Chloroethoxy)met...	4.528	93	422472	35.28	ppb		100
33)	2,4-Dichlorophenol	4.667	162	366715	42.95	ppb		95
34)	2,6-Dichlorophenol	4.902	162	355067	42.40	ppb		99
36)	1,2,4-Trichlorobenzene	4.731	180	382747	37.64	ppb		97
38)	Naphthalene	4.806	128	1314260	38.50	ppb		99
39)	4-Chloroaniline	4.892	127	404886	30.07	ppb		98
40)	2,3-Dichloroaniline	5.949	161	473598	40.52	ppb		97
41)	Caprolactam	5.303	55	197768	34.77	ppb		93
42)	Hexachlorobutadiene	4.956	225	230873	42.01	ppb		99
43)	4-Chloro-3-methylphenol	5.517	107	388527	42.83	ppb		95
44)	2-Methylnaphthalene	5.607	141	785151	42.33	ppb		95
45)	1-Methylnaphthalene	5.720	141	849778	41.59	ppb		98
46)	Dimethylnaphthalene	6.350	156	875012	42.27	ppb		97
48)	Hexachlorocyclopentadiene	5.794	237	34210	6.24	ppb		98
49)	2,4,6-Trichlorophenol	5.976	196	271950	45.21	ppb		98
50)	2,4,5-Trichlorophenol	6.040	196	295654	46.33	ppb		97
52)	2-Chloronaphthalene	6.179	162	791471	38.38	ppb		99
53)	Biphenyl	6.163	154	1174108	40.04	ppb		100
54)	2-Nitroaniline	6.329	65	251044	44.39	ppb		94
55)	Dimethylphthalate	6.548	163	966010	43.87	ppb		99
56)	Acenaphthylene	6.665	152	1146597	35.39	ppb		99
57)	2,6-Dinitrotoluene	6.623	165	170862	37.86	ppb		92
58)	3-Nitroaniline	6.826	138	222140	38.95	ppb		95
59)	Acenaphthene	6.879	153	965549	47.11	ppb		98
60)	2,4-Dinitrophenol	6.980	184	14564	15.27	ppb		69
61)	4-Nitrophenol	7.087	109	5187	2.01	ppb	#	1
62)	Dibenzofuran	7.087	168	1274817	44.83	ppb		81
63)	2,4-Dinitrotoluene	7.119	165	209461	34.00	ppb		86
64)	2,3,4,6-Tetrachlorophenol	7.274	232	219684	42.53	ppb		100
65)	Diethylphthalate	7.402	149	988975	46.14	ppb		100
66)	Fluorene	7.499	166	1126400	50.65	ppb		99
67)	4-Chlorophenyl-phenyle...	7.509	204	450941	43.33	ppb		93
68)	4-Nitroaniline	7.563	138	219024	38.31	ppb	#	73
70)	4,6-Dinitro-2-methylph...	7.627	198	16045	4.92	ppb		86
71)	n-Nitrosodiphenylamine	7.664	169	651328	50.65	ppb		99
72)	1,2-Diphenylhydrazine	7.702	77	826597	41.33	ppb		98
74)	4-Bromophenyl-phenylether	8.092	248	256790	49.27	ppb		89
75)	Hexachlorobenzene	8.177	284	285427	45.90	ppb		95
76)	Pentachlorophenol	8.444	266	122133	38.63	ppb		98
77)	Phenanthrene	8.663	178	3078050	104.26	ppb		99
78)	Anthracene	8.722	178	1736272	60.67	ppb		100
79)	Carbazole	8.952	167	1267148	42.75	ppb		99
80)	Di-n-butylphthalate	9.433	149	1437233	49.36	ppb		99
81)	Fluoranthene	10.234	202	1950403	67.85	ppb		85
82)	Octadecane	8.556	57	581811	41.74	ppb		92
84)	Pyrene	10.544	202	1521459	147.96	ppb		85
87)	Butylbenzylphthalate	11.553	149	212749	51.30	ppb		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92801.D
Acq On : 20 Jun 2014 5:09 am
Operator : ashleyv
Sample : op75724-msd
Misc : op75724,ez4609,30.9
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 20 16:06:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration

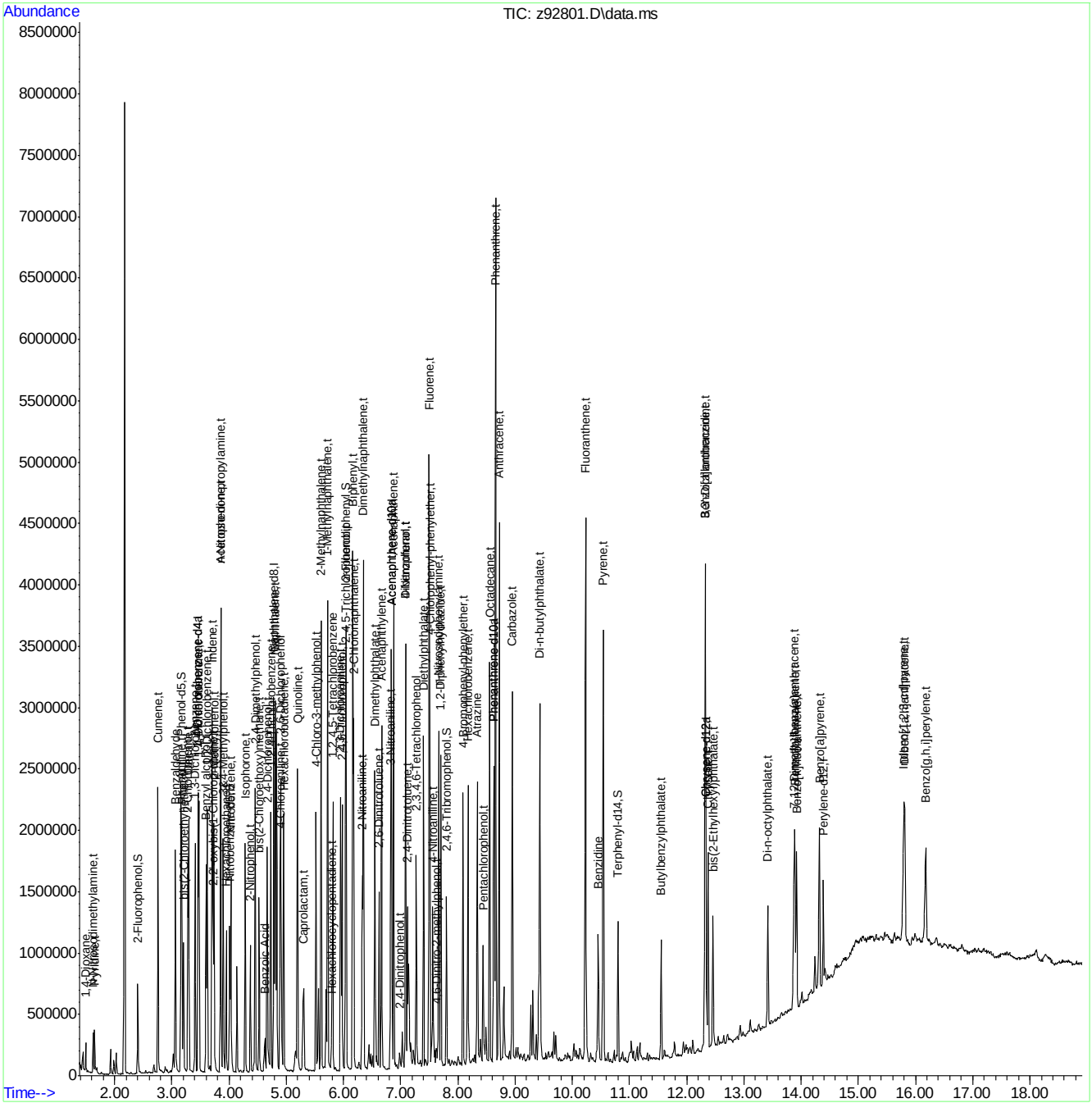
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) Benzo[a]anthracene	12.323	228	792080	85.40	ppb		99
89) 3,3'-Dichlorobenzidine	12.323	252	364486	119.54	ppb		99
90) Chrysene	12.376	228	590576	64.14	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.462	149	307061	54.51	ppb		93
93) Di-n-octylphthalate	13.418	149	466865	49.73	ppb		88
94) Benzo[b]fluoranthene	13.888	252	702838	83.74	ppb		89
95) Benzo[k]fluoranthene	13.925	252	472702	54.53	ppb		91
96) Benzo[a]pyrene	14.321	252	564810	75.76	ppb		90
97) Indeno[1,2,3-cd]pyrene	15.795	276	577873	80.35	ppb		86
99) Dibenz[a,h]anthracene	15.811	278	425525	56.11	ppb		91
100) 7,12-Dimethylbenz(a)an...	13.877	256	163206	49.93	ppb		93
101) Benzo[g,h,i]perylene	16.180	276	442080	59.01	ppb		83
103) Benzaldehyde	3.059	105	283526	39.99	ppb		82
105) Atrazine	8.343	215	129072	53.63	ppb	#	84
107) Benzidine	10.458	184	455310	131.50	ppb		100
109) 1,2,4,5-Tetrachloroben...	5.816	216	376747	45.02	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92801.D
Acq On : 20 Jun 2014 5:09 am
Operator : ashleyv
Sample : op75724-msd
Misc : op75724,ez4609,30.9
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 20 16:06:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

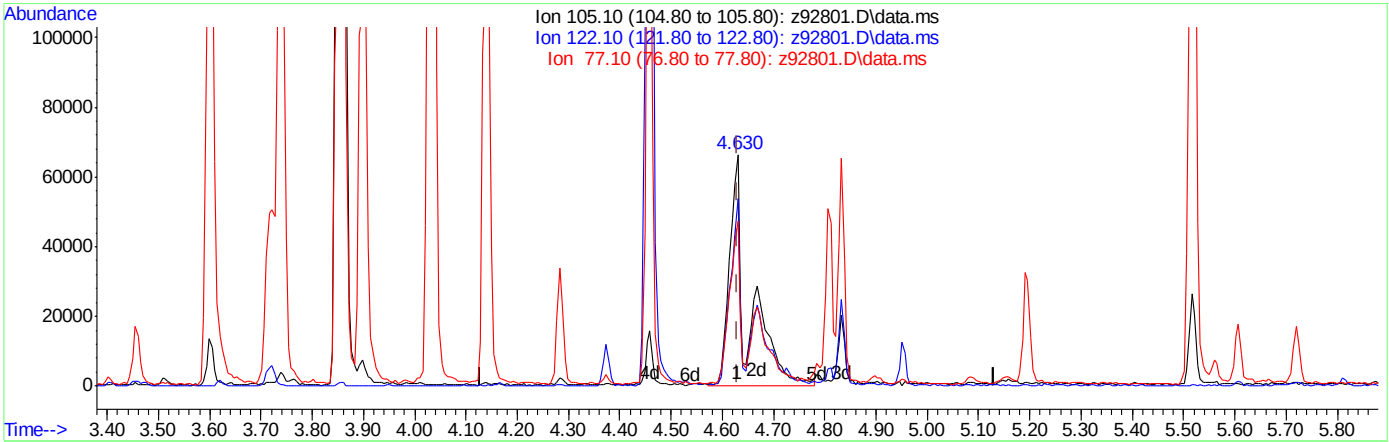
Sample Number:	OP75724-MSD	**Method:**	SW846 8270D
Lab FileID:	Z92801.D	**Analyst approved:**	06/20/14 16:08 Ashley Royal
Injection Time:	06/20/14 05:09	**Supervisor approved:**	06/27/14 14:41 Owen McKenna

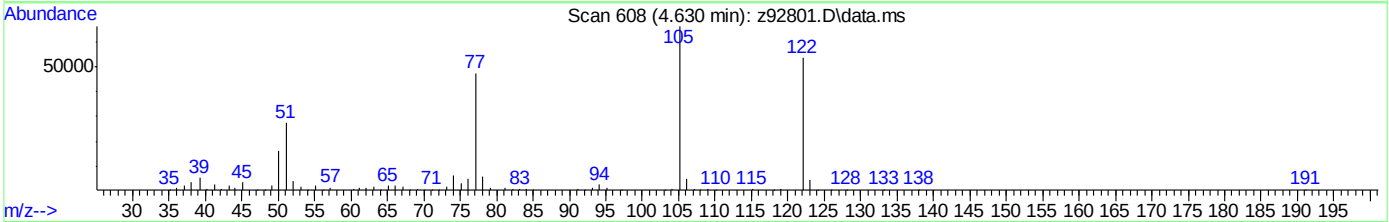
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.63	Poor instrument integration

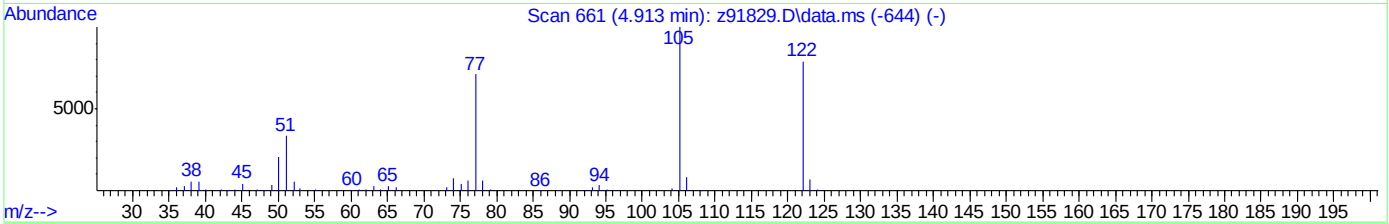
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92801.D
Acq On : 20 Jun 2014 5:09 am
Operator : ashleyv
Sample : op75724-msd
Misc : op75724,ez4609,30.9
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 20 16:03:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 15:52:41 2014
Response via : Initial Calibration







TIC: z92801.D\data.ms

(31) Benzoic Acid

4.630min (+0.000) 32.06ppb m

response 167081

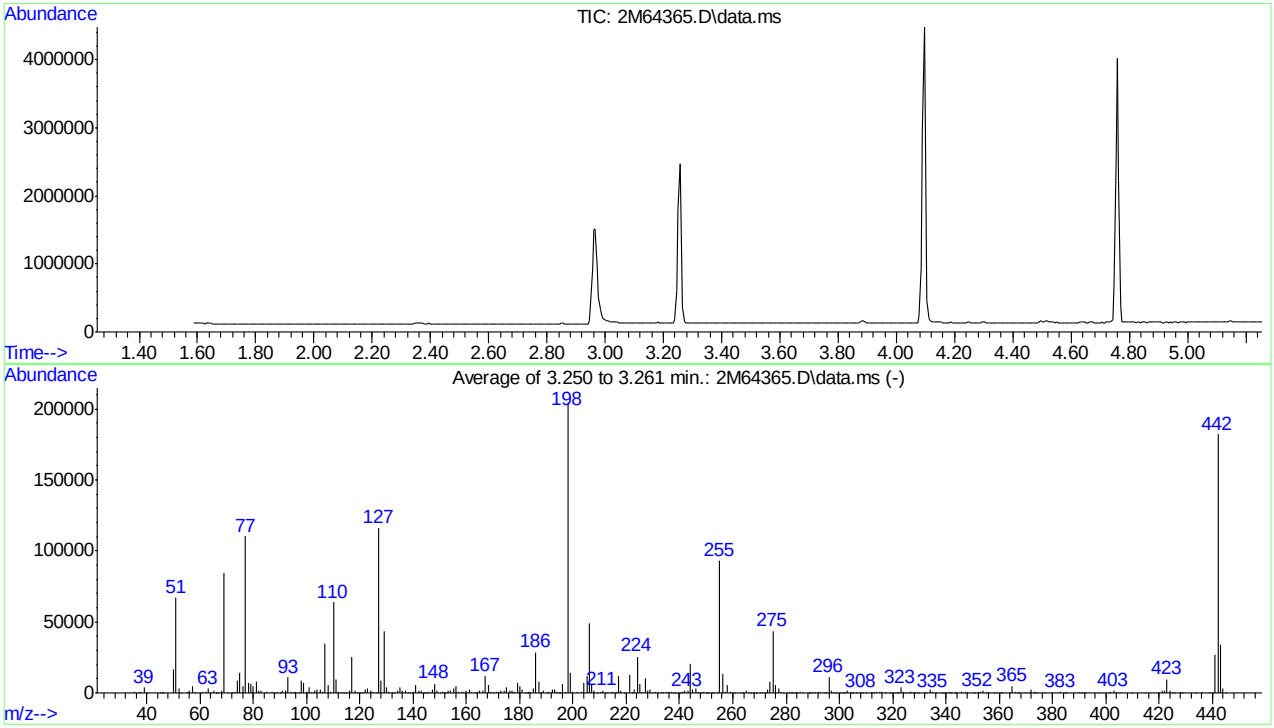
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	41.93#
77.10	33.90	39.20
0.00	0.00	0.00

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

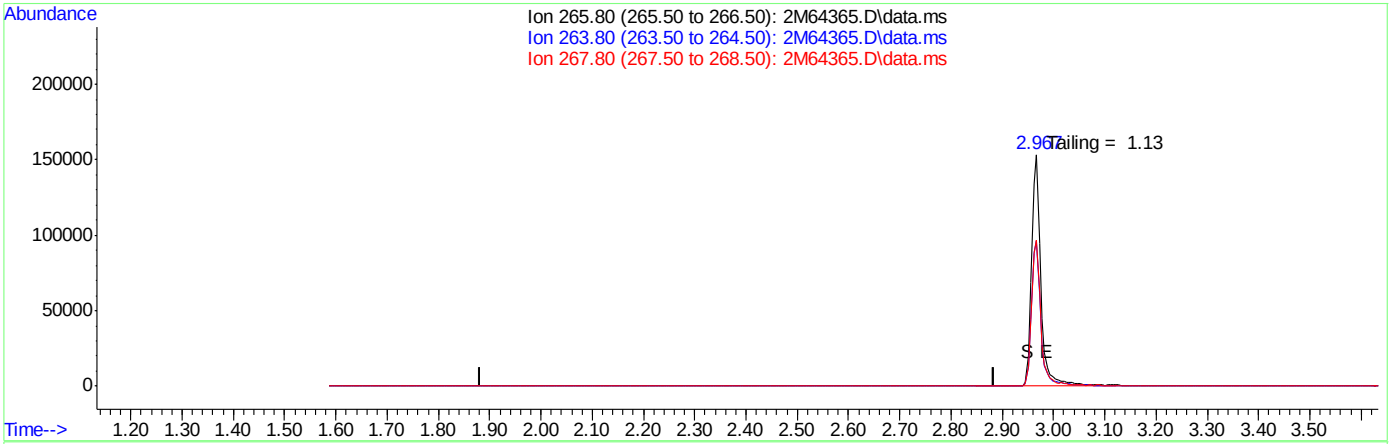
Average of 3.250 to 3.261 min.: 2M64365.D\data.ms
DFTPP
Modified:subtracted

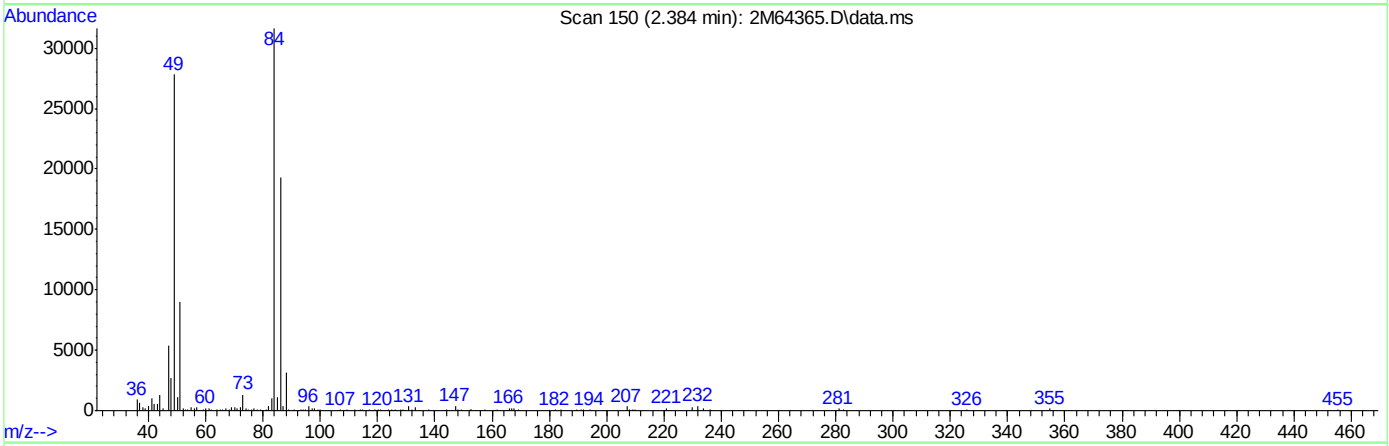
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
422.00	1246	438.70	26				
423.05	9493	440.10	37				
424.00	1870	441.10	26539				
425.00	190	442.05	182106				
426.00	17	443.10	34106				
427.90	28	444.05	3025				
428.20	17	445.00	228				
428.60	26						
433.90	17						
435.90	29						
436.10	16						

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

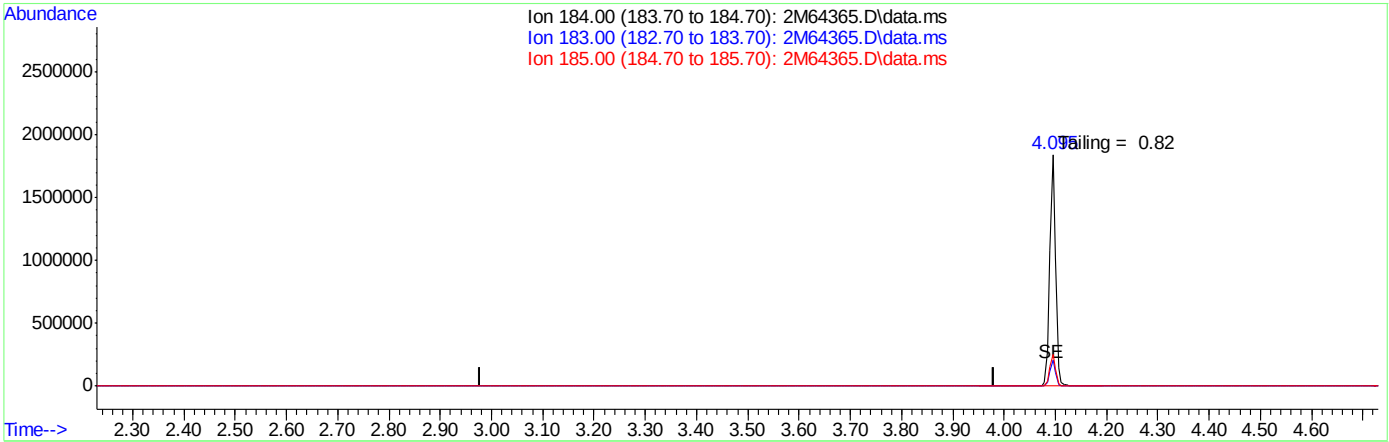
response 0

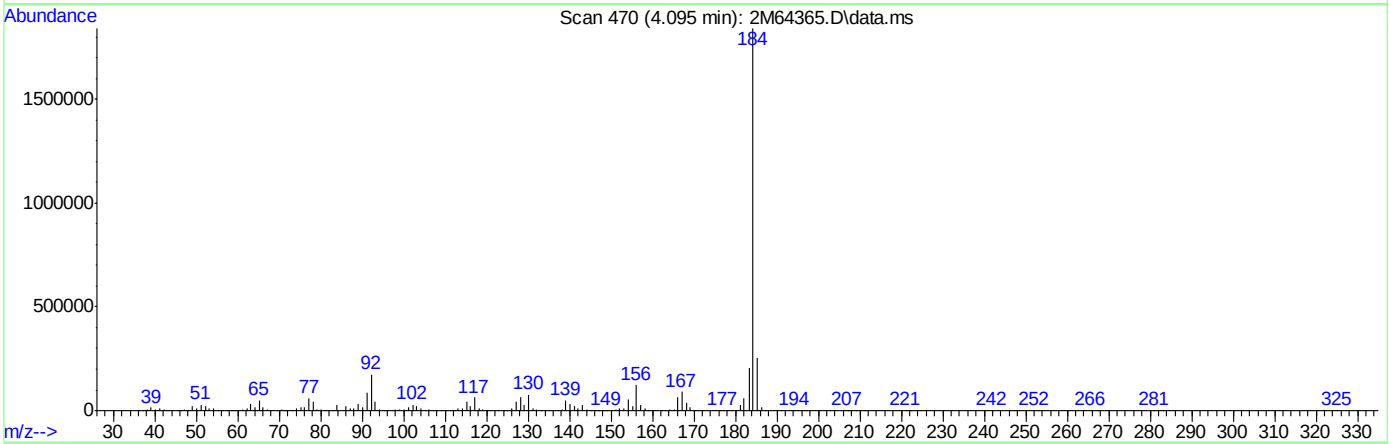
Ion	Exp%	Act%
265.80	100	0.00
263.80	63.20	0.00#
267.80	62.90	0.00#
0.00	0.00	0.00

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

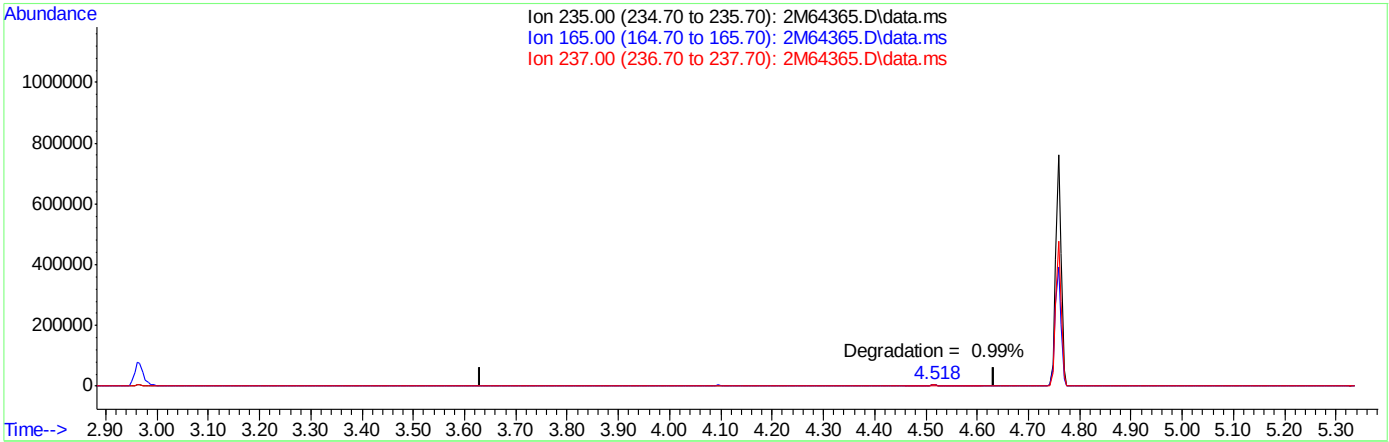
response 0

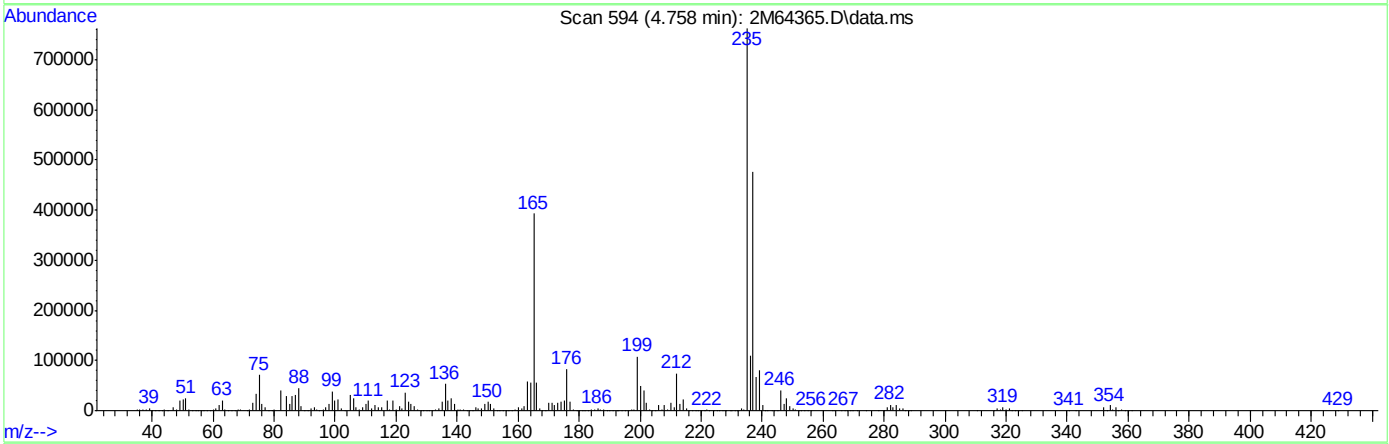
Ion	Exp%	Act%
184.00	100	0.00
183.00	11.70	0.00
185.00	13.80	0.00
0.00	0.00	0.00

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

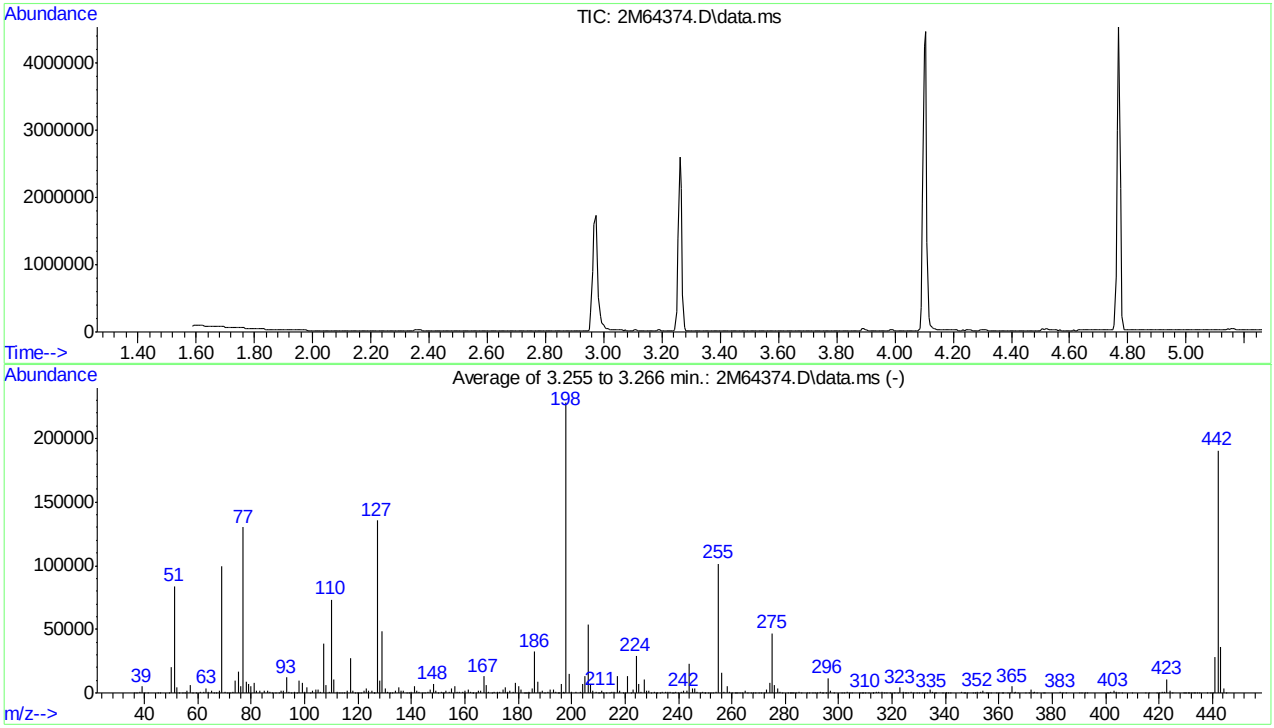
Ion	Exp%	Act%
235.00	100	0.00
165.00	49.80	0.00#
237.00	63.10	0.00#
0.00	0.00	0.00

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

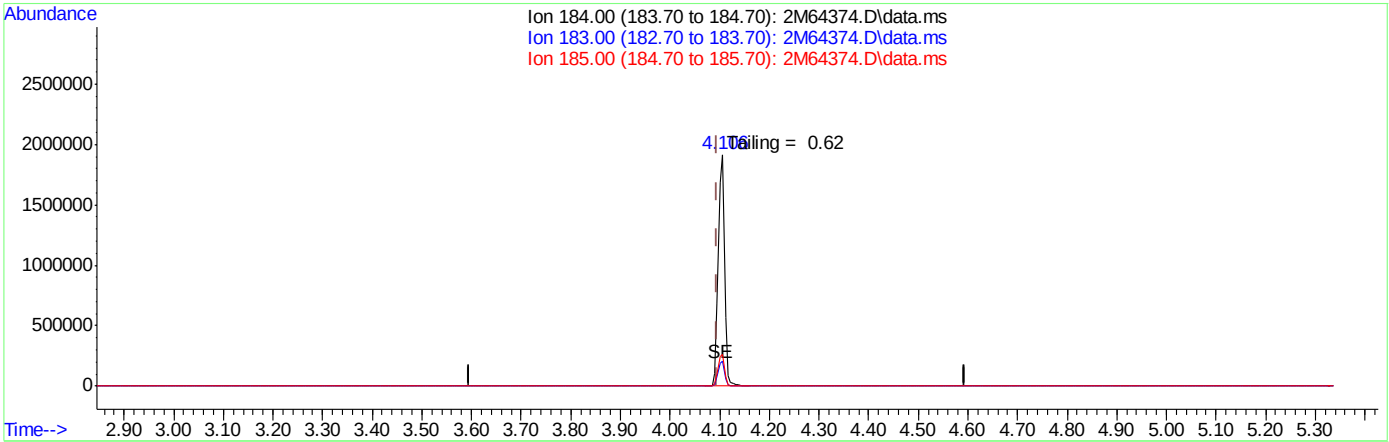
Average of 3.255 to 3.266 min.: 2M64374.D\data.ms
DFTPP
Modified:subtracted

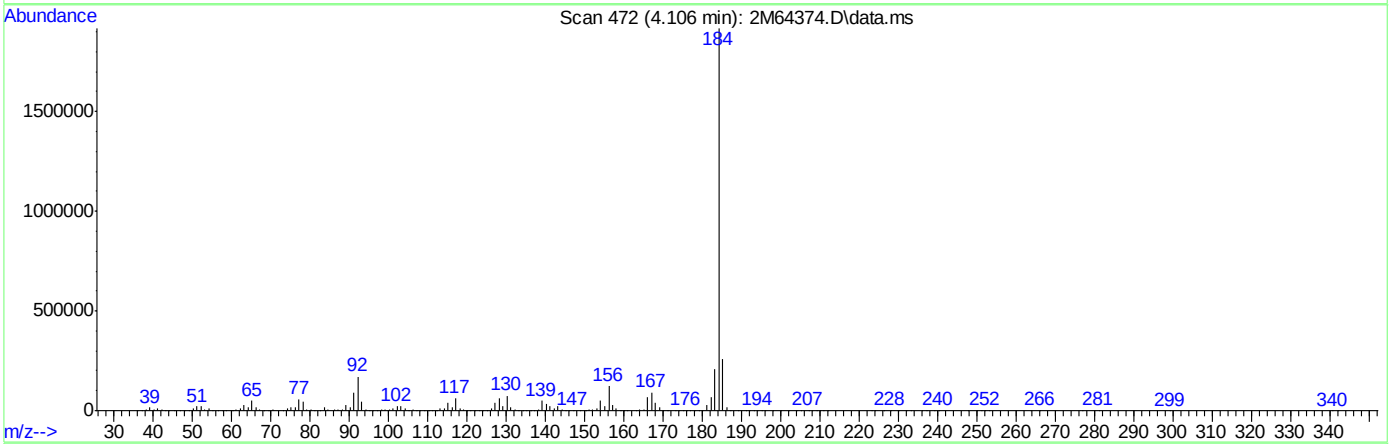
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.05	507	424.10	2099	435.20	18		
405.00	29	425.00	187	438.10	24		
406.10	17	429.00	17	439.10	42		
409.75	45	429.60	16	440.00	37		
414.95	67	430.10	50	441.10	27785		
416.10	25	430.70	17	442.10	190680		
419.10	19	431.20	30	443.10	36562		
420.00	35	432.00	27	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

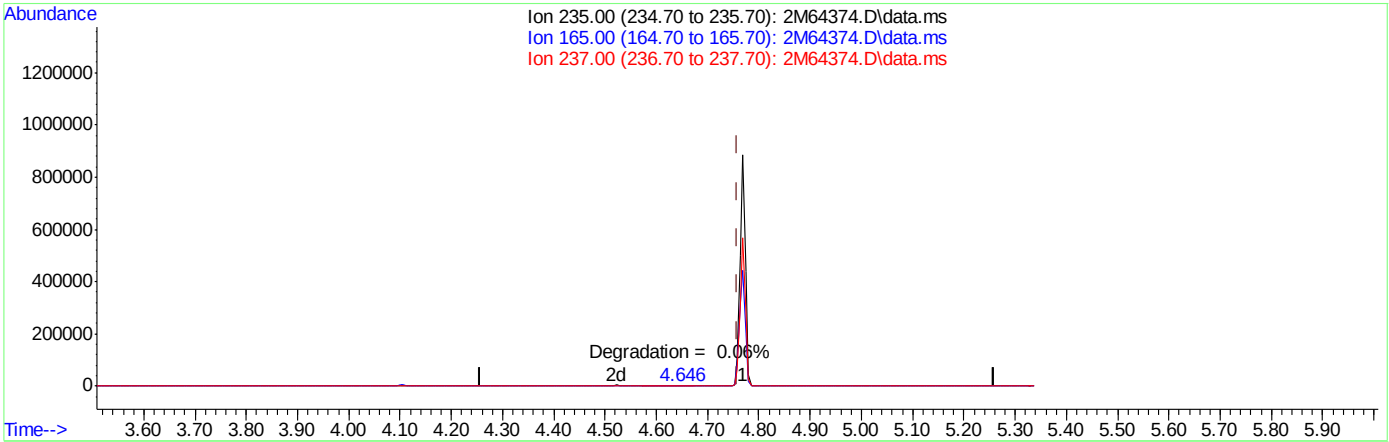
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.92
185.00	13.80	13.57
0.00	0.00	0.00

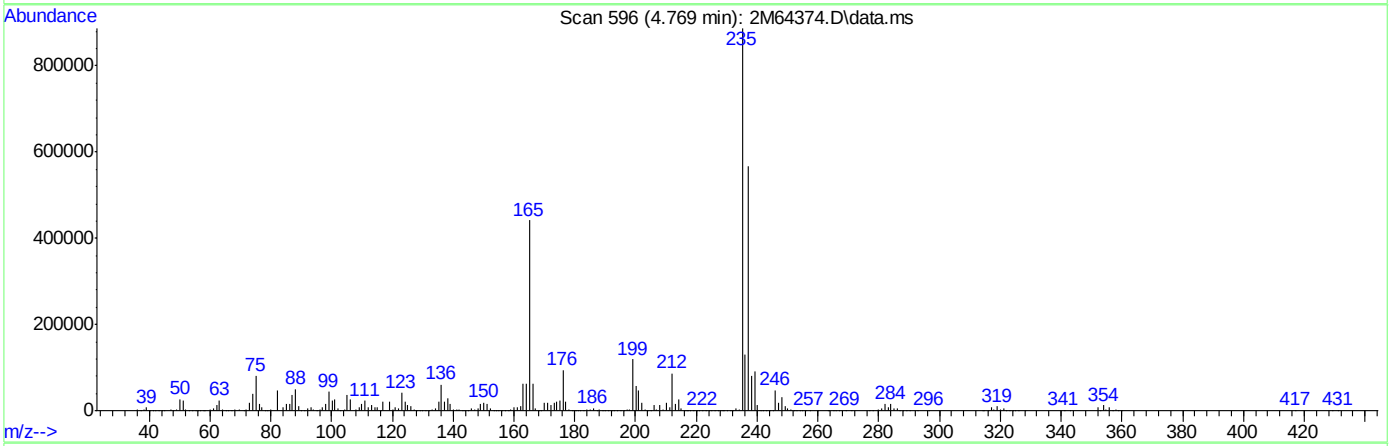
ACCUTEST LABORATORIES JB69123

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

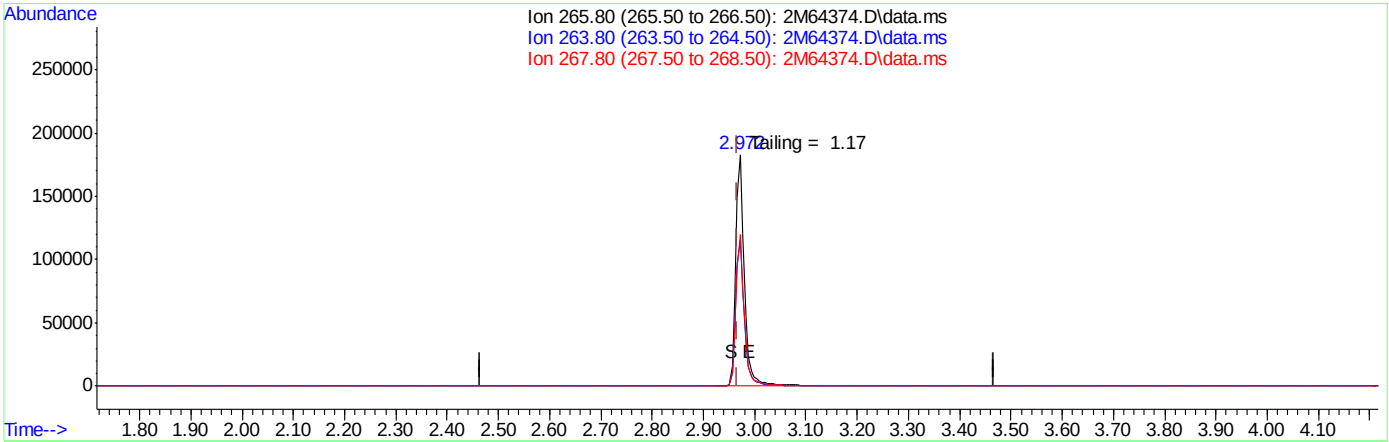
response 637828

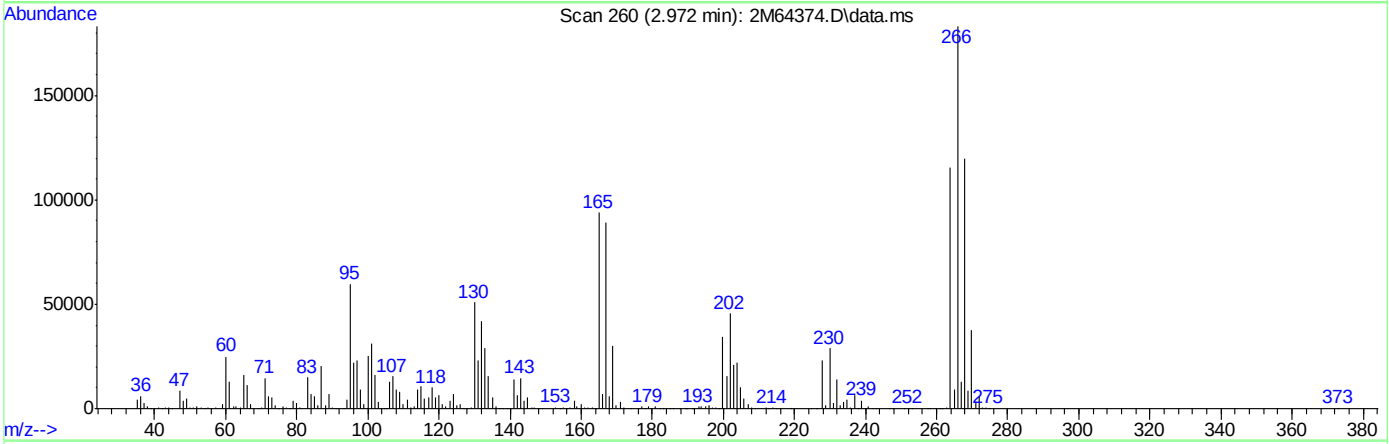
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	54.29
237.00	63.10	63.48
0.00	0.00	0.00

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

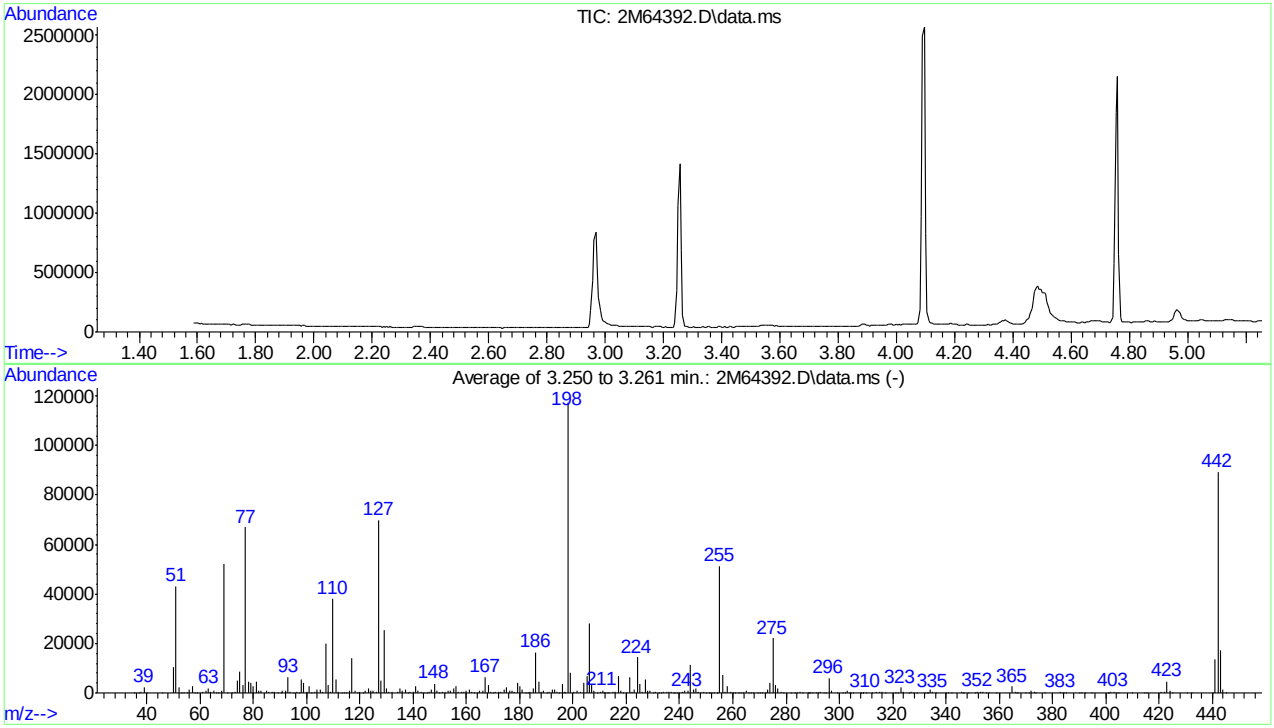
ACCUTEST LABORATORIES JB69123

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

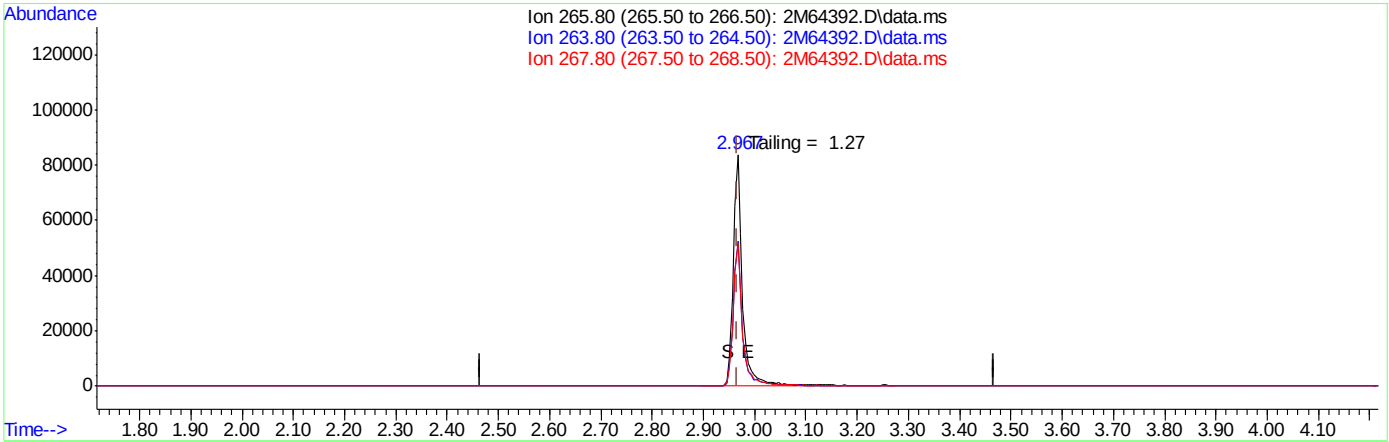
Average of 3.250 to 3.261 min.: 2M64392.D\data.ms
DFTPP
Modified:subtracted

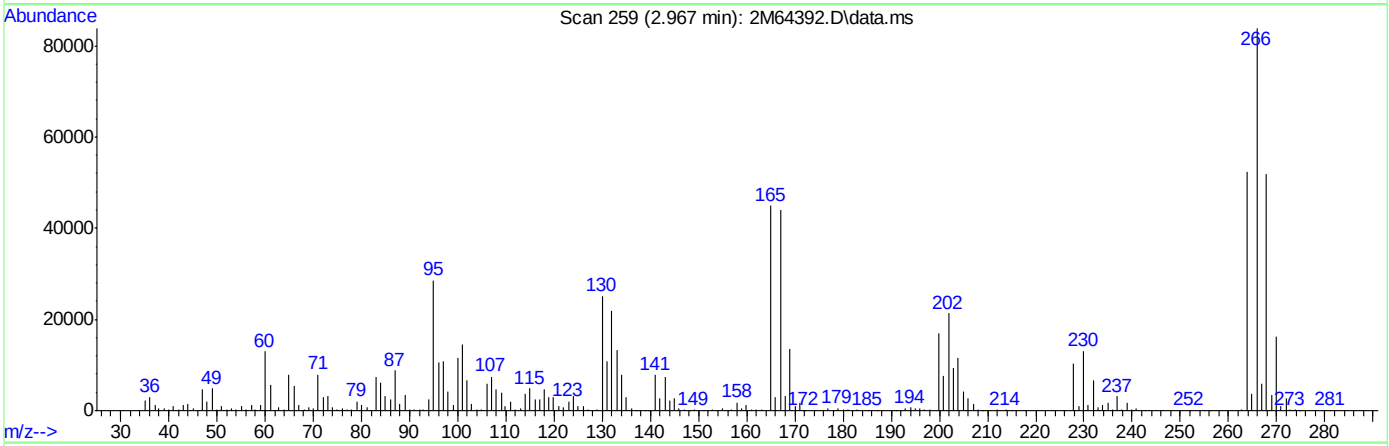
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
383.70	33	403.95	218	432.20	28		
384.00	69	404.80	30	440.10	19		
384.95	43	409.90	19	441.00	13425		
390.05	139	414.40	20	442.05	89309		
390.95	116	415.10	17	443.05	17321		
392.00	68	420.95	661	444.05	1550		
394.80	19	422.05	597	445.00	118		
400.90	55	423.00	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

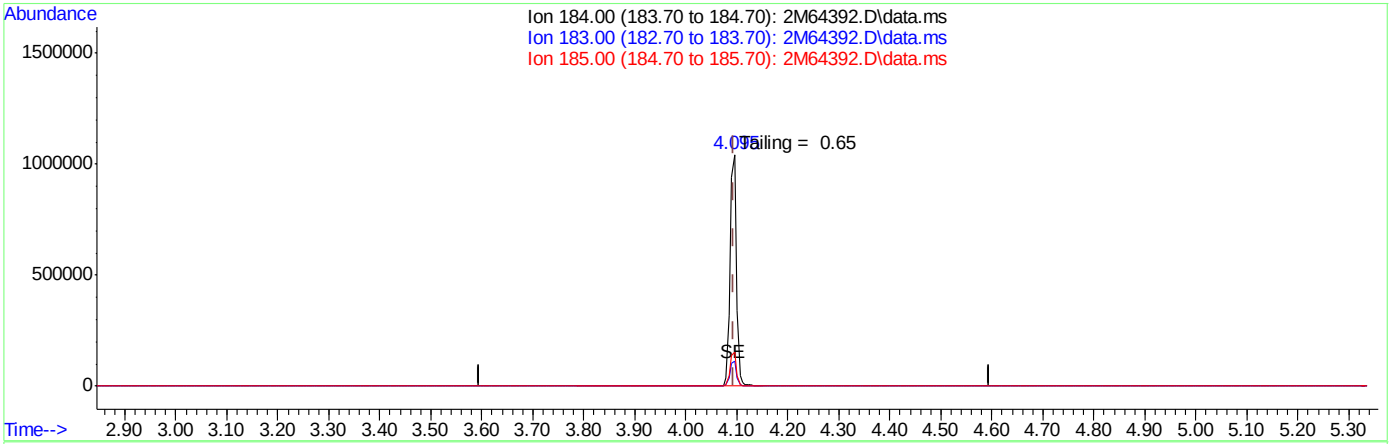
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.62
267.80	62.90	61.77
0.00	0.00	0.00

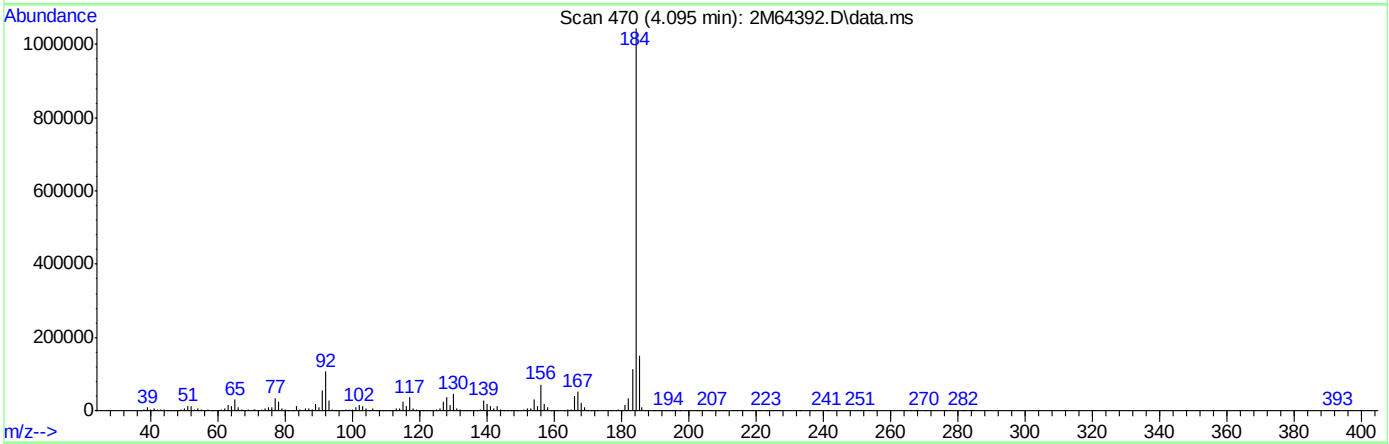
ACCUTEST LABORATORIES JB69123

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

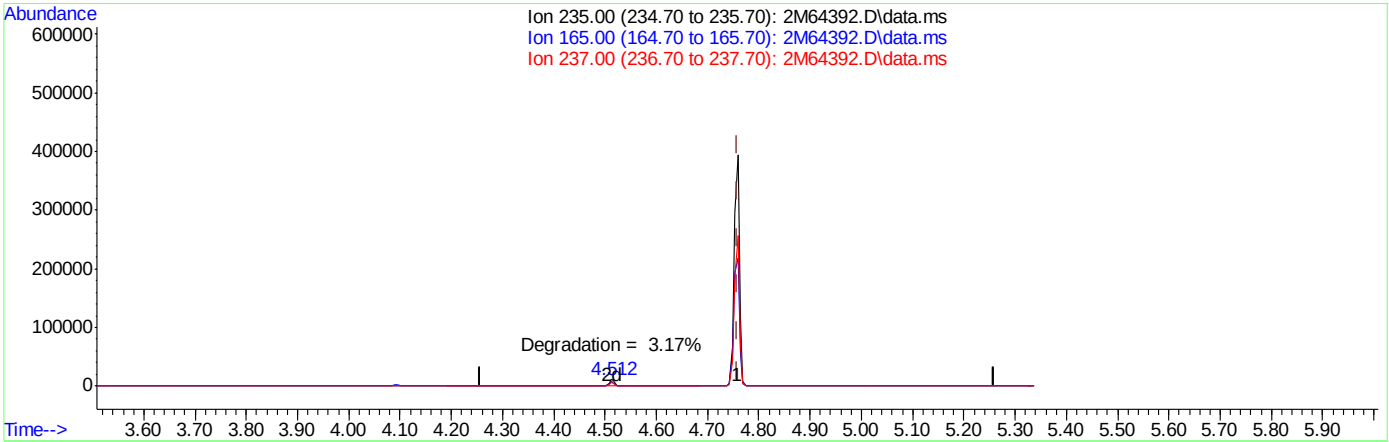
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.00
185.00	13.80	14.50
0.00	0.00	0.00

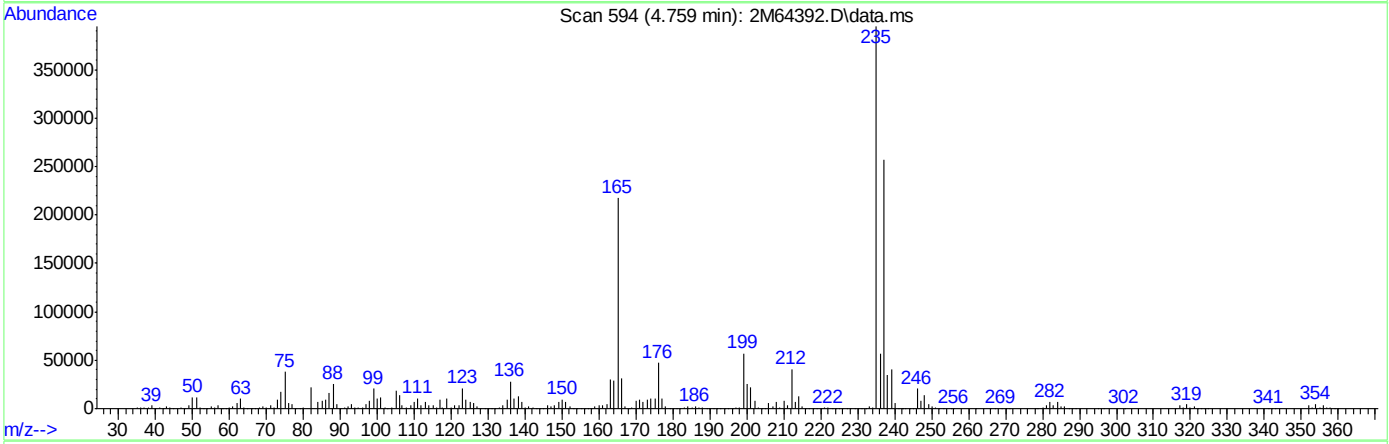
ACCUTEST LABORATORIES JB69123

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

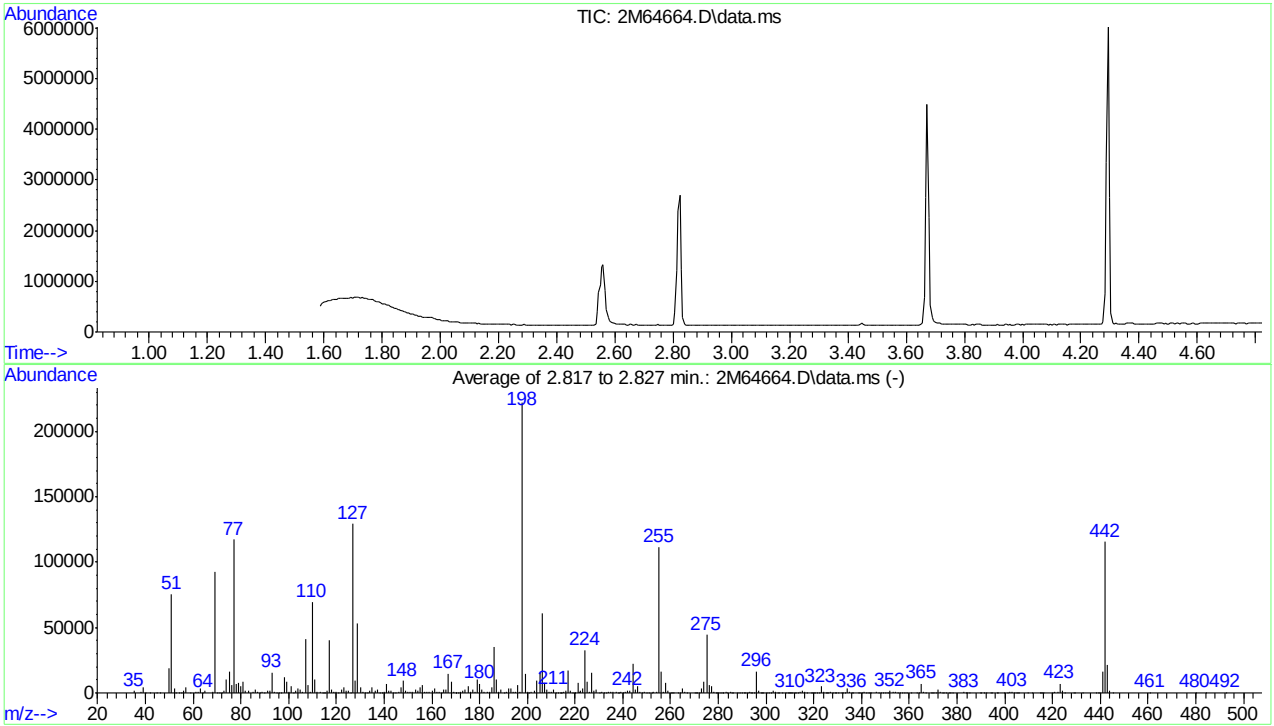
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	60.06
237.00	63.10	63.73
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64664.D
Acq On : 19 Jun 2014 10:00 am
Operator : saumilp
Sample : DFTPP
Misc : op75642,E2M2741
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 231, 232, 233; Background Corrected with Scan 223

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.1	75616	PASS
68	69	0.00	2	1.3	1234	PASS
69	198	0.00	100	41.8	92725	PASS
70	69	0.00	2	0.4	363	PASS
127	198	40	60	58.3	129284	PASS
197	198	0.00	1	0.5	1006	PASS
198	198	100	100	100.0	221885	PASS
199	198	5	9	6.6	14663	PASS
275	198	10	30	20.1	44536	PASS
365	198	1	100	3.2	6998	PASS
441	443	0.10	100	73.8	15994	PASS
442	198	40	100	52.0	115466	PASS
443	442	17	23	18.8	21677	PASS

ACCUTEST LABORATORIES
JB69123

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	1388	54.10	95	69.00	92725	79.95	5168
38.05	793	55.10	326	70.00	363	81.00	8795
39.10	4636	56.00	2006	71.05	170	82.00	2081
40.00	88	57.10	4547	72.00	184	83.00	1841
42.05	163	59.00	62	73.10	1589	85.00	1209
44.95	92	61.00	1065	74.05	10017	86.00	2671
46.20	17	62.10	1187	75.05	16093	87.00	1125
50.05	18949	63.05	3455	76.05	6170	87.95	285
51.05	75616	64.05	421	77.05	117090	89.05	485
52.05	3711	65.10	1782	78.05	7214	89.95	117
52.90	199	68.10	1234	79.00	7544	91.00	1909

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2078	103.00	1313	114.00	169	123.95	2037
93.00	15715	103.95	3303	114.70	57	124.95	1599
94.05	1049	105.00	2859	115.10	69	126.10	253
95.10	89	105.95	1061	116.00	1853	127.00	129284
96.00	323	107.00	41083	117.00	40132	128.00	9644
97.05	71	107.95	6420	117.95	2615	129.00	53536
98.05	12305	109.00	824	119.00	513	129.95	4524
99.00	9021	109.95	69659	120.05	628	131.00	806
100.00	570	111.00	10266	121.00	111	131.95	166
101.00	4924	112.05	1136	122.00	2399	132.90	245
101.90	151	113.05	722	123.00	4124	134.00	1545

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.00	4525	146.00	1238	157.00	1003	168.10	8272
136.05	1640	147.05	4107	157.95	1009	169.05	1121
137.00	2258	148.00	9146	158.95	708	169.95	390
138.10	449	149.00	2167	160.00	2160	170.20	116
139.10	294	150.00	676	161.00	3139	171.00	339
140.00	549	150.95	789	162.00	884	172.00	1223
141.00	7030	152.00	459	162.95	483	173.00	1774
142.05	2009	152.95	2204	163.95	361	174.05	2918
143.00	1575	154.05	1636	164.95	2583	175.10	5550
143.95	455	155.00	3889	166.00	2186	176.00	878
144.95	443	156.05	5773	167.00	14855	177.00	2362

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	957	189.05	2297	200.00	997	211.00	2621
179.00	10202	190.05	421	200.80	84	212.00	309
180.00	6873	191.00	1214	201.55	900	212.95	384
181.00	3013	192.00	3098	202.95	2058	213.80	34
182.05	669	193.10	3642	204.10	9800	214.00	43
183.00	462	194.10	779	205.10	15652	214.30	35
184.00	650	195.00	519	206.10	60829	215.00	611
185.00	4470	196.00	5912	207.10	7951	216.05	1493
186.10	35213	197.00	1006	208.00	2622	217.00	17005
187.10	10591	198.00	221885	209.00	522	218.00	2103
188.10	1088	199.00	14663	210.05	1118	219.05	213

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.70	43	229.00	3030	238.95	592	250.00	180
220.00	89	230.00	373	239.95	455	250.90	334
221.05	8030	231.00	965	240.95	725	252.05	132
221.80	699	232.00	312	242.05	1814	252.95	509

DFTPP2M.M Thu Jun 19 13:14:15 2014 MS2M

222.05	1590	233.05	388	243.10	1629	254.10	667
222.95	3455	234.00	992	244.10	22558	255.10	111471
224.10	32624	234.95	916	245.10	2816	256.10	16730
225.10	8197	236.00	763	246.10	5225	257.05	1263
226.05	1000	237.00	998	247.05	1160	258.05	8033
227.00	15659	237.95	138	248.00	226	259.05	1330
228.00	2006	238.20	33	248.95	727	260.05	241

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.80	73	273.00	3328	282.00	158	292.05	236
261.00	140	274.05	8403	283.05	639	293.05	1127
263.00	173	275.10	44536	283.95	439	293.80	61
264.00	258	276.05	6113	285.05	989	294.00	113
265.00	3081	277.10	4976	285.70	19	294.90	256
265.95	854	277.95	892	286.10	186	296.00	16519
267.00	256	279.05	135	288.00	120	297.05	1979
269.95	163	279.30	22	289.00	178	297.90	206
270.80	66	280.15	68	290.05	161	298.50	22
271.10	206	281.00	239	290.85	94	298.95	59
271.95	243	281.90	81	291.10	27	300.05	63

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
301.05	232	310.70	43	319.90	41	328.90	36
302.00	307	311.00	28	320.20	35	329.10	51
303.10	1842	311.95	43	321.10	432	330.00	52
304.00	644	312.40	16	322.00	273	331.80	79
305.00	3	313.10	58	323.05	4762	332.10	268
305.30	26	314.10	461	324.10	945	332.90	432
306.90	21	315.00	1881	325.00	101	334.05	3053
307.90	231	316.00	925	325.50	29	335.00	646
308.95	147	317.05	303	326.10	167	335.85	84
309.70	75	318.90	20	327.00	1115	336.20	38
310.15	194	319.20	28	327.95	447	338.60	24

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
338.90	69	349.80	17	360.75	59	373.00	606
339.90	51	350.95	125	362.85	40	373.85	35
341.05	556	351.20	33	364.10	18	374.20	35
341.90	122	352.00	1637	365.00	6998	375.20	26
342.95	108	353.05	1083	365.95	1067	376.50	17
343.20	33	354.05	1303	366.85	78	377.10	41
343.95	48	354.95	262	369.10	27	378.20	18
346.00	1141	355.80	37	369.85	101	382.95	646
346.90	172	357.10	24	370.20	59	383.90	54
348.10	23	358.00	29	371.00	355	384.05	125
348.90	19	358.90	105	372.05	2336	384.95	99

Average of 2.817 to 2.827 min.: 2M64664.D\data.ms
DFTPP
Modified:subtracted

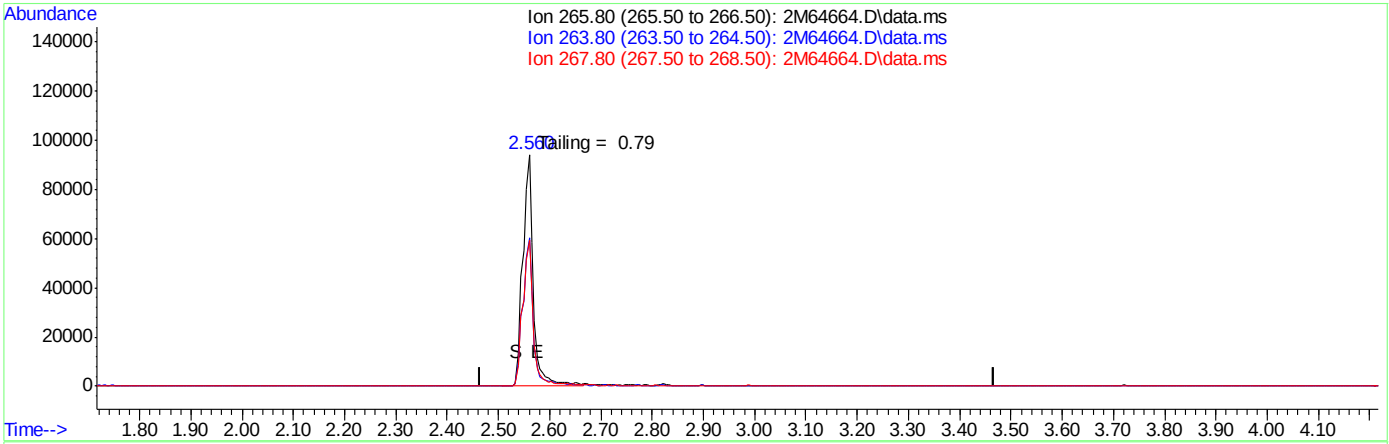
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
389.60	42	403.00	1274	420.10	21	439.80	18
389.95	181	404.00	324	420.95	886	441.05	15994
391.10	163	404.70	44	422.05	947	442.10	115466
392.05	132	405.10	39	423.05	6943	443.05	21677
393.90	23	406.00	24	424.00	1517	444.00	2031
394.75	42	409.70	26	425.05	141	445.05	144
396.90	19	411.20	25	428.95	60	460.90	32
397.10	18	414.75	75	429.20	27	479.90	35
399.80	17	415.10	47	432.35	45	484.00	26
400.95	186	415.60	30	438.00	18	492.50	19
402.05	859	415.90	65	438.90	31		

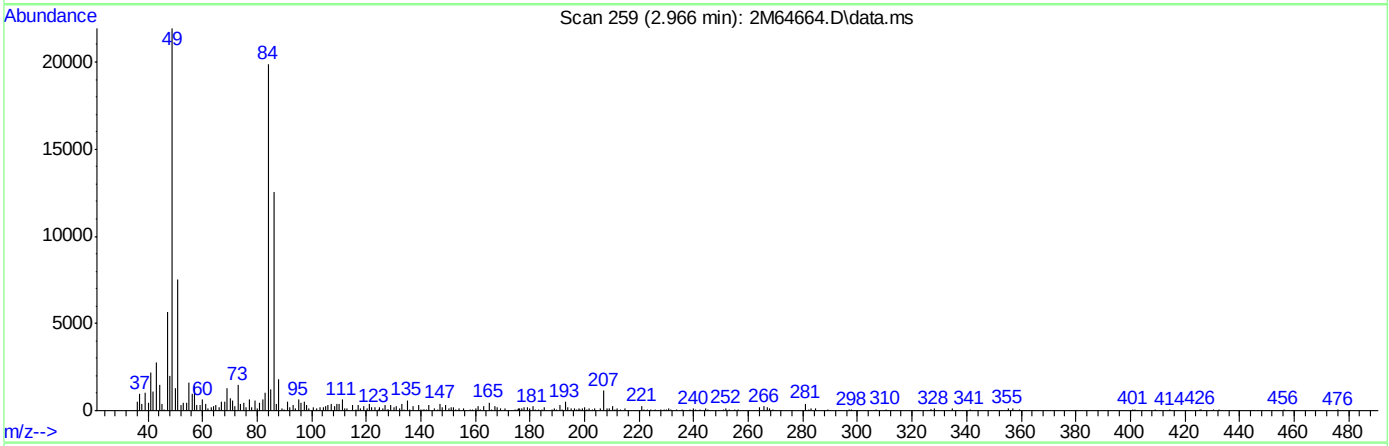
DFTPP2M.M Thu Jun 19 13:14:15 2014 MS2M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64664.D
Acq On : 19 Jun 2014 10:00 am
Operator : saumilp
Sample : DFTPP
Misc : op75642,E2M2741
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:05:37 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: 2M64664.D\data.ms

(1) Pentachlorophenol (t)

2.967min 0.00ppb d

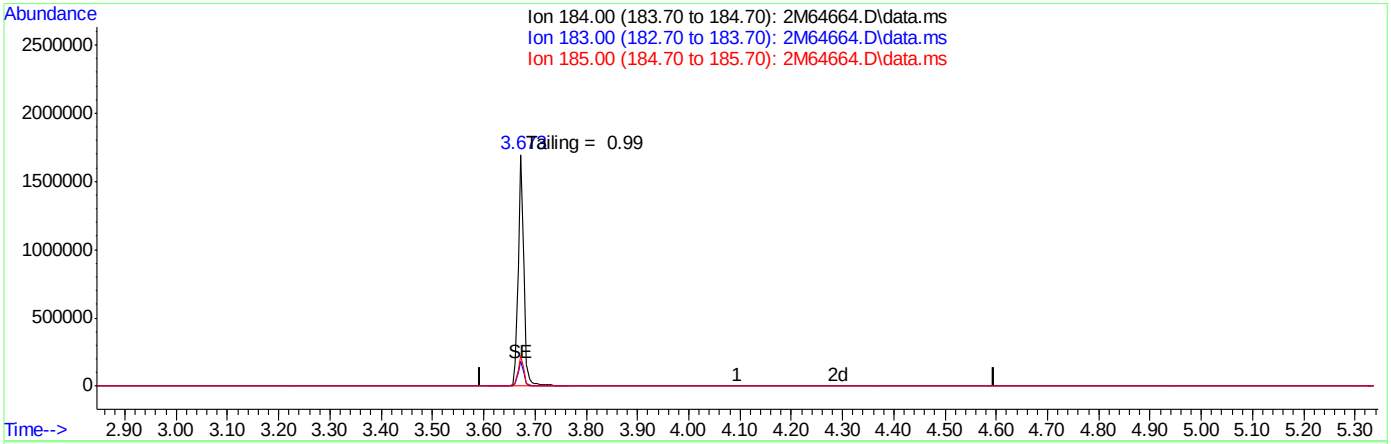
response 0

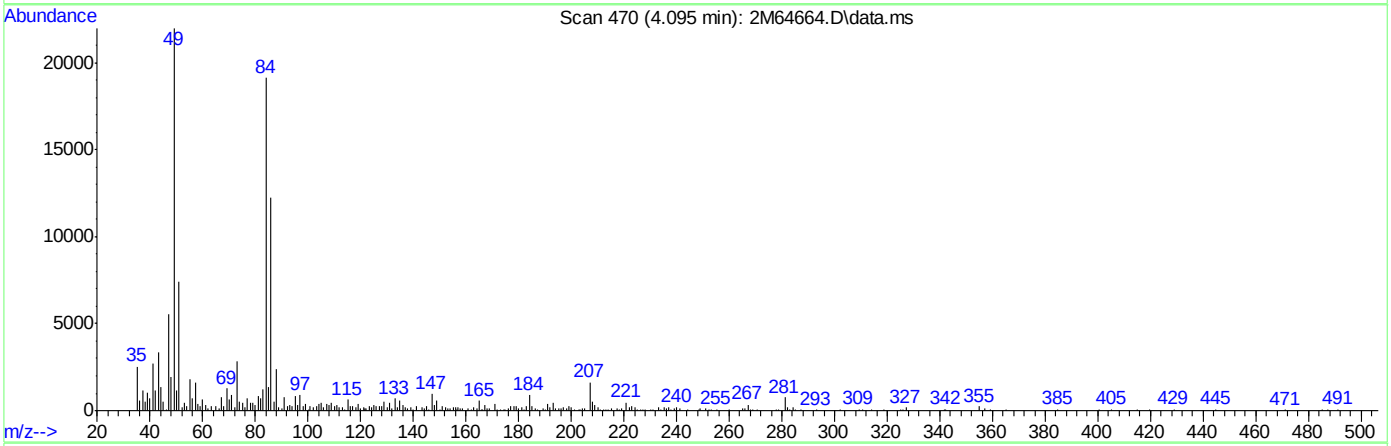
Ion	Exp%	Act%
265.80	100	0.00
263.80	63.20	0.00
267.80	62.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64664.D
Acq On : 19 Jun 2014 10:00 am
Operator : saumilp
Sample : DFTPP
Misc : op75642,E2M2741
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:05:37 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: 2M64664.D\data.ms

(2) Benzidine (t)

4.095min 0.00ppb d

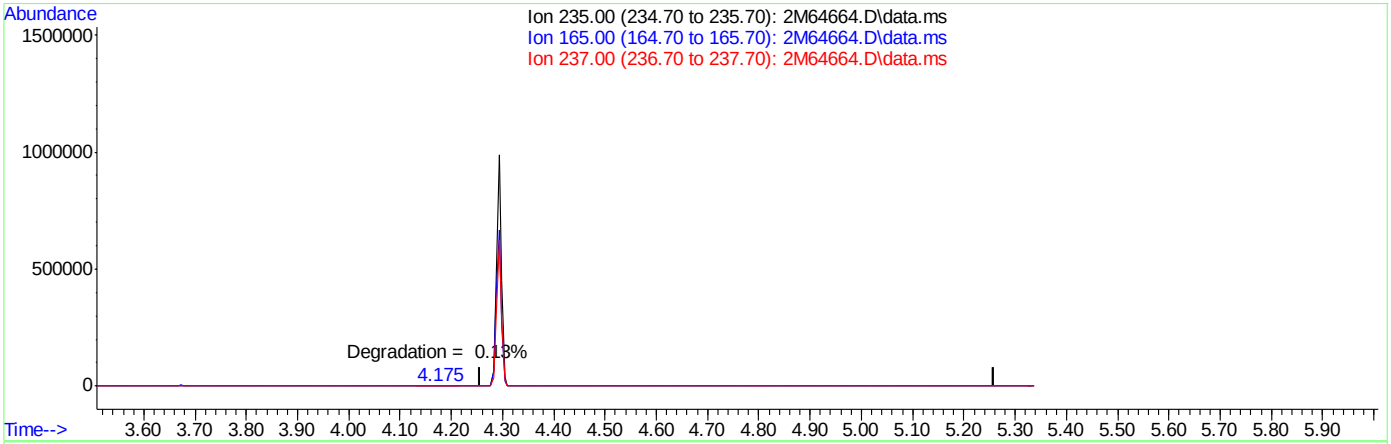
response 0

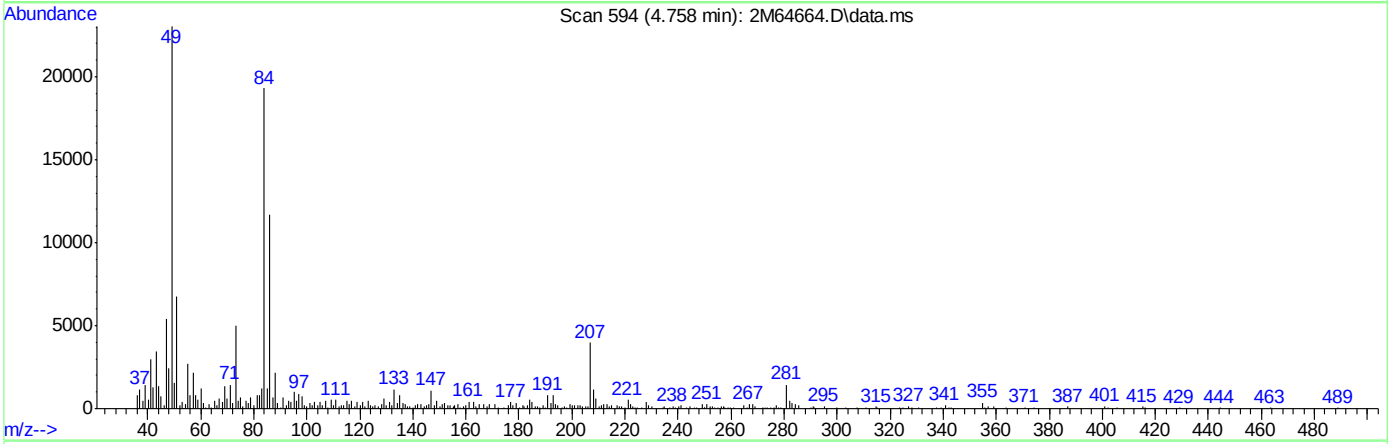
Ion	Exp%	Act%
184.00	100	0.00
183.00	11.70	0.00
185.00	13.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64664.D
Acq On : 19 Jun 2014 10:00 am
Operator : saumilp
Sample : DFTPP
Misc : op75642,E2M2741
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:05:37 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: 2M64664.D\data.ms

(3) PP-DDT (t)

4.758min (-4.758) 0.00ppb

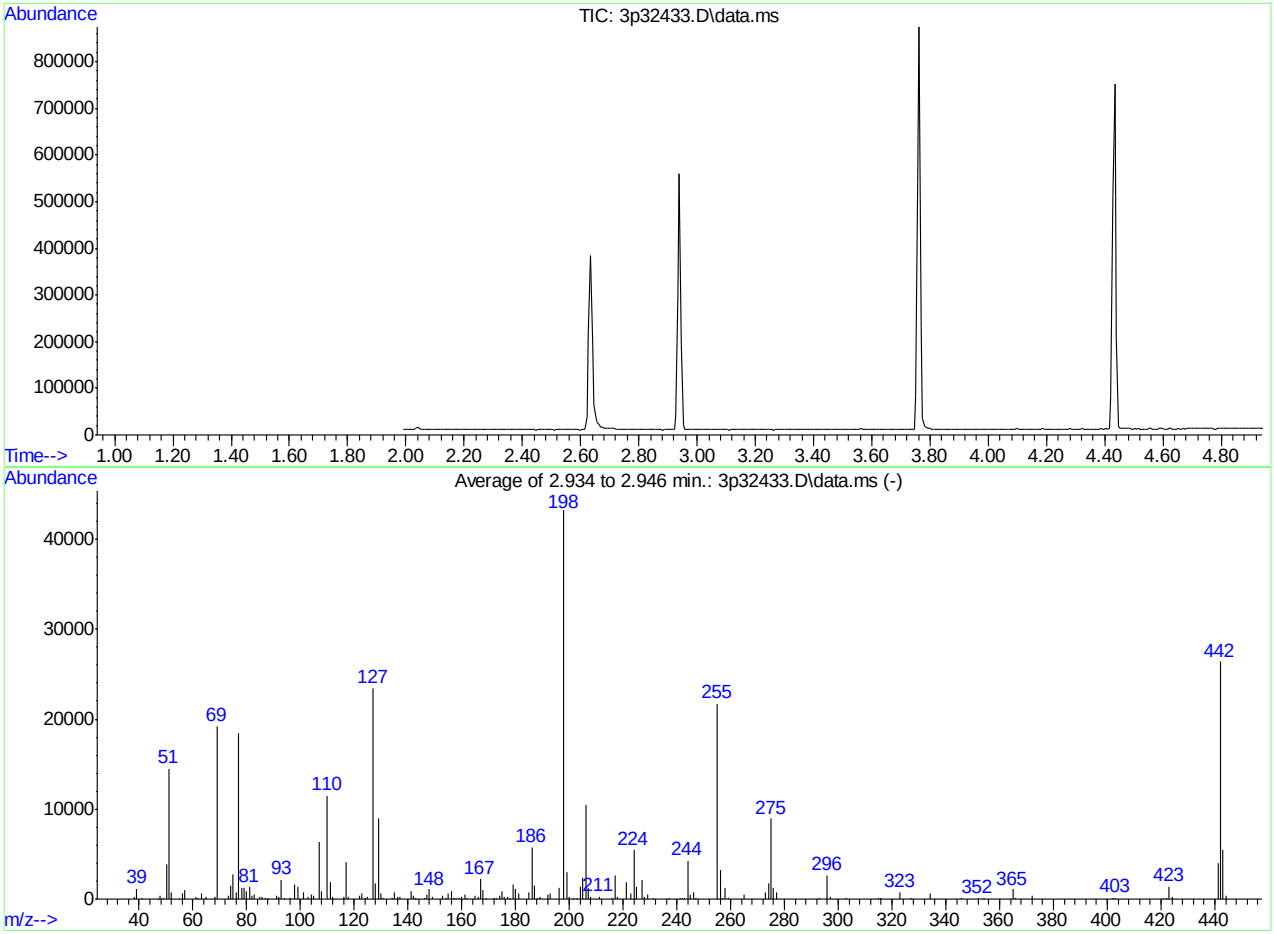
response 0

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 File : C:\msdchem\1\DATA\1389\3p32433.D Vial: 1
Acq On : 6 Jun 2014 2:00 pm Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1389, Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 161, 162, 163; Background Corrected with Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.6	14513	PASS
68	69	0.00	2	1.5	294	PASS
69	198	0.00	100	44.5	19230	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.3	23444	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43200	PASS
199	198	5	9	7.0	3020	PASS
275	198	10	30	20.7	8958	PASS
365	198	1	100	2.6	1105	PASS
441	443	0.01	100	72.6	3942	PASS
442	198	40	100	61.1	26408	PASS
443	442	17	23	20.6	5428	PASS

3p32433.D DFTPP3P.M Tue Jun 10 13:06:47 2014 RPT1

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	240	57.00	1039	77.10	18456	91.00	340
39.05	1126	61.00	197	78.05	1215	92.00	303
41.00	92	62.00	104	79.00	1242	93.00	2153
46.90	60	63.00	576	80.00	920	94.00	93
47.95	316	65.00	281	81.00	1360	96.00	86
49.00	105	68.05	294	82.00	357	98.00	1573
50.10	3875	69.00	19230	83.00	527	99.00	1328
51.05	14513	73.00	319	85.00	311	101.00	766
52.00	758	74.00	1506	85.90	314	103.00	282
55.00	22	75.00	2726	87.00	109	103.95	465
56.00	650	76.00	811	87.90	42	105.00	370

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
107.00	6397	125.00	234	142.00	365	157.00	123
108.00	893	127.00	23444	142.80	89	157.90	117
110.00	11525	128.00	1725	143.00	112	158.90	93
111.00	1847	129.00	9018	146.00	91	159.95	256
111.95	201	130.00	683	146.95	531	161.00	492
115.95	247	130.90	96	148.00	1075	162.00	98
117.00	4079	134.00	120	149.00	216	164.95	347
118.00	227	135.00	731	152.95	319	166.00	250
122.00	325	135.95	251	154.00	119	167.00	2217
123.00	619	137.00	286	155.00	587	168.00	1046
124.00	144	141.00	924	156.00	895	168.90	98

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.90	119	186.00	5763	203.00	167	223.00	574
173.00	110	187.00	1491	204.00	1434	224.05	5451
174.00	433	188.10	97	205.00	2408	225.00	1429
175.00	821	189.00	244	206.10	10462	227.00	2137
175.95	262	191.95	472	207.00	1256	227.90	281
176.90	296	193.00	595	207.90	297	229.00	475
178.00	100	196.00	1207	211.05	268	231.00	97
178.95	1587	198.00	43200	215.90	108	237.00	100
180.00	1119	199.00	3020	217.00	2671	241.10	90
181.00	569	199.90	219	218.00	313	242.00	180
185.05	751	201.50	138	221.00	1846	243.00	157

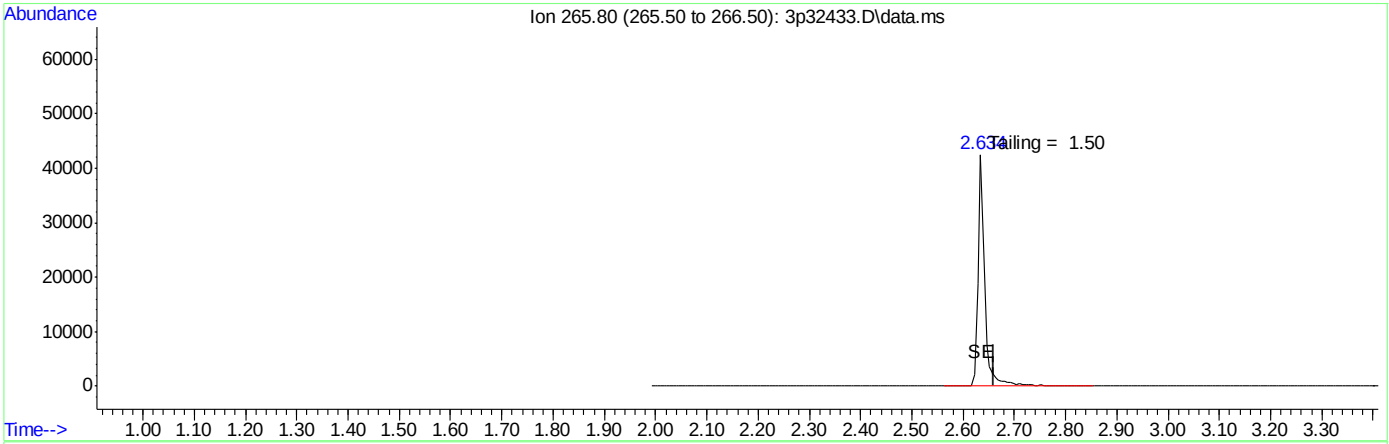
Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

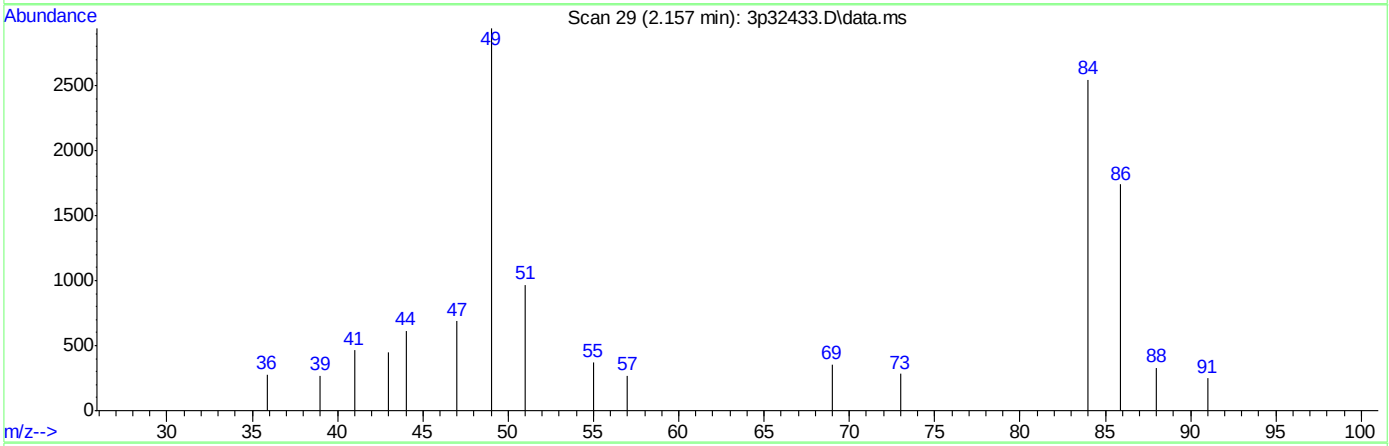
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.10	4272	274.00	1743	326.90	98	422.00	83
245.00	477	275.00	8958	334.00	585	423.05	1426
246.00	765	276.00	1251	346.00	107	424.05	253
247.00	84	277.00	762	352.00	121	441.10	3942
255.00	21739	293.00	95	354.10	106	442.10	26408
256.00	3196	296.00	2628	365.00	1105	443.10	5428
257.00	122	297.00	198	365.90	91	444.00	430
258.00	1279	303.00	171	372.00	331		
259.00	101	315.00	138	402.00	114		
264.95	502	316.00	83	403.00	177		
273.00	719	323.05	774	421.00	100		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

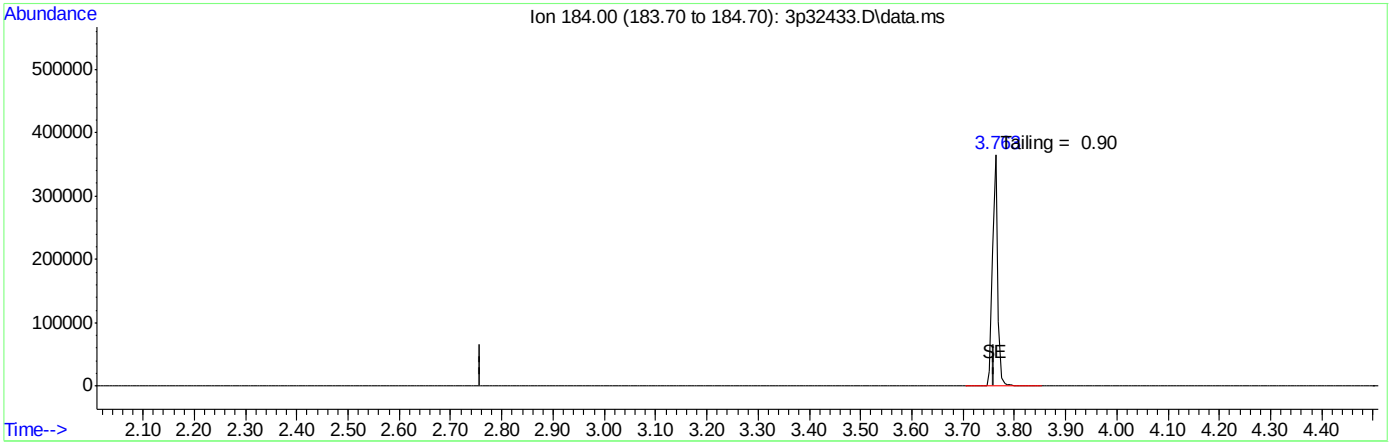
response 0

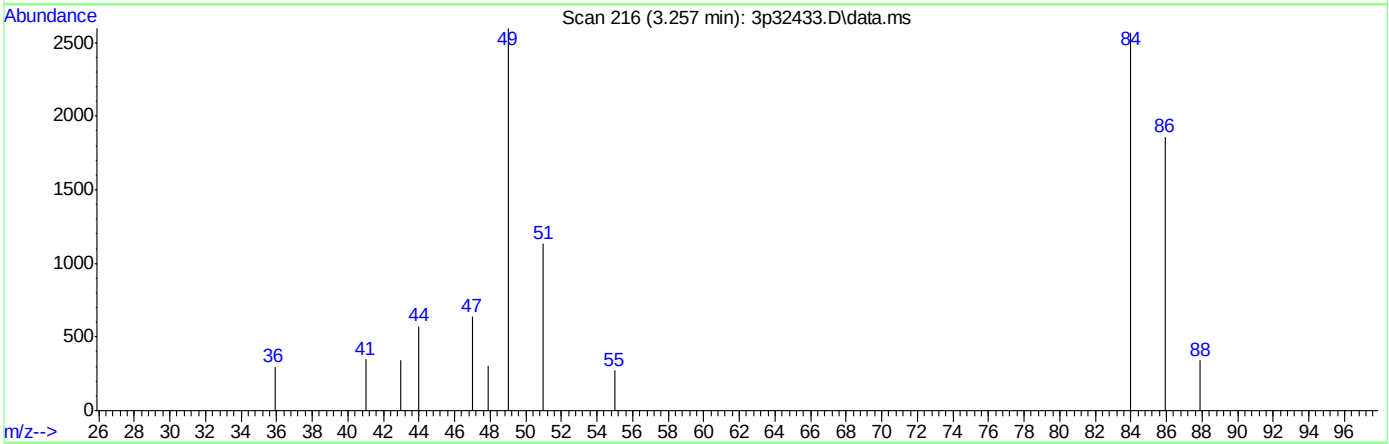
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

response 0

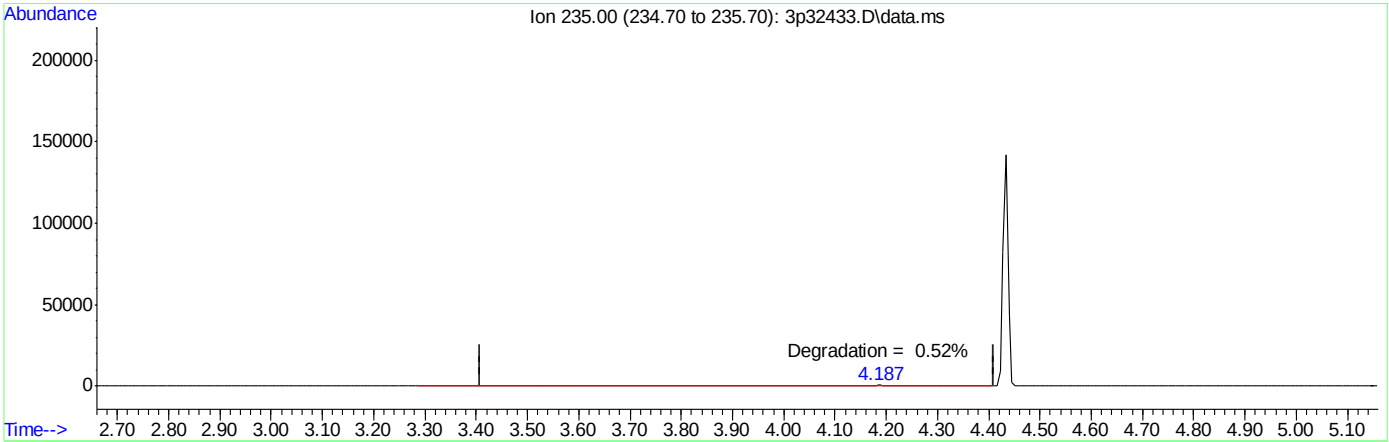
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

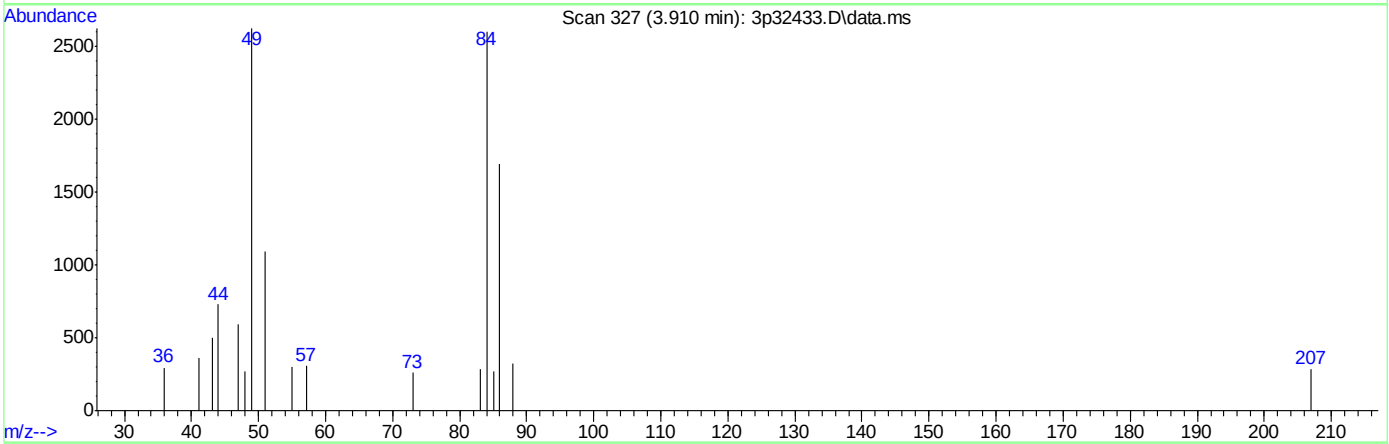
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

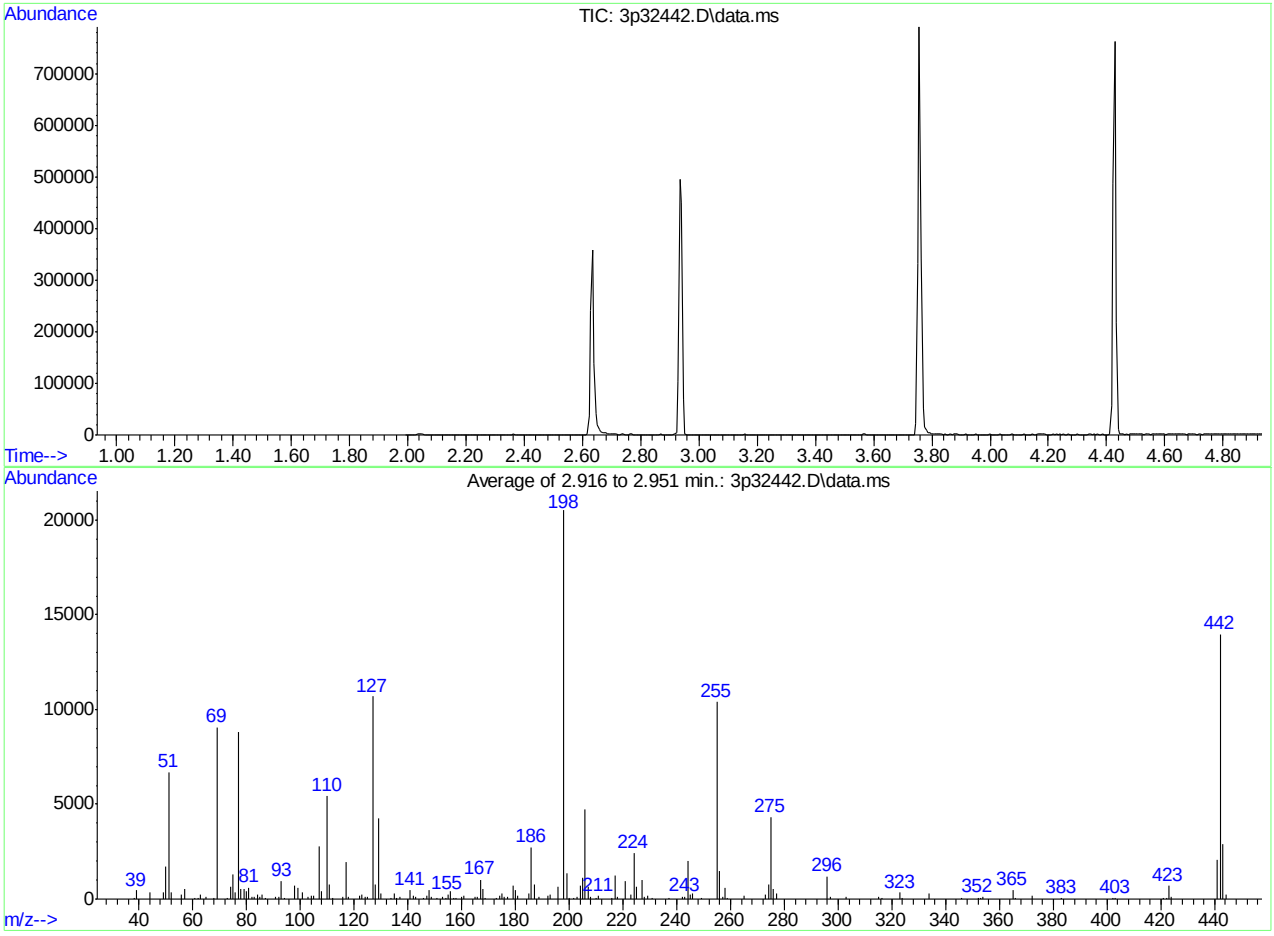
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1389\3p32442.D Vial: 1
Acq On : 6 Jun 2014 6:28 pm Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1390, Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



Spectrum Information: Average of 2.916 to 2.951 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.6	6690	PASS
68	69	0.00	2	0.8	69	PASS
69	198	0.00	100	44.2	9062	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.1	10679	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20504	PASS
199	198	5	9	6.8	1390	PASS
275	198	10	30	21.1	4334	PASS
365	198	1	100	2.4	483	PASS
441	443	0.01	100	71.5	2068	PASS
442	198	40	100	68.1	13969	PASS
443	442	17	23	20.7	2893	PASS

3p32442.D DFTPP3P.M Tue Jun 10 13:21:16 2014 RPT1

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	41.7143	63.00	257.857	80.00	392.714	94.00	48.5714
39.05	448.143	65.00	111.714	81.00	605.857	98.00	697.857
44.00	338.286	68.00	69.2857	82.00	114.286	99.00	599.286
48.95	331.429	69.00	9061.71	82.95	141.429	101.00	365
50.10	1719	73.00	36.4286	83.95	208.714	103.00	105
51.10	6689.86	74.00	669.143	85.00	109.429	104.00	166.429
52.00	342.286	75.00	1276.29	85.95	221	105.00	177.714
56.00	213.286	76.00	368.571	87.00	43.4286	107.00	2769.71
57.00	533.429	77.10	8804.86	90.95	131.857	108.05	421.571
61.00	38.4286	78.05	551.857	91.90	128.429	110.00	5423.57
62.00	52.5714	79.00	523.857	93.00	956.429	111.00	746.429

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
112.00	50.2857	130.00	315.429	148.95	105.857	166.00	108.571
116.00	119.286	133.90	49.5714	151.00	38	167.00	1029.29
117.00	1971.43	135.00	269	152.95	129.571	168.00	507
118.00	140	135.90	52.2857	154.00	47.2857	168.95	72.8571
121.95	152.429	137.00	137.143	155.00	239	173.00	85.2857
123.00	226.429	141.00	491	156.00	394.857	174.00	202.857
124.00	113.714	142.00	150.286	157.00	44.1429	175.00	326.714
124.95	103.143	142.90	94.4286	158.00	45.7143	176.00	102.143
127.00	10679.3	146.00	37.4286	159.95	132	177.00	125.429
128.00	777.571	146.95	193.571	161.00	200.857	179.00	739.571
129.00	4279.14	148.00	479.714	164.95	146.571	180.00	467.857

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.00	200.571	201.50	42.7143	218.00	140.571	243.00	133
185.00	296.429	203.00	112.857	221.00	931.286	244.10	2018.29
186.00	2746.29	204.00	700.571	223.00	210.286	245.00	215.857
187.00	745.571	205.00	1098.29	224.00	2433.43	245.95	322.571
188.90	132.571	206.05	4734.29	225.00	642.857	249.00	40.7143
192.00	196.571	207.10	674.714	227.00	1024.43	255.00	10387.7
193.00	231.143	208.00	141.143	227.95	124.714	256.00	1507.71
196.00	641.429	210.10	42.8571	229.00	195.714	257.00	105.571
198.00	20504.3	210.95	156	231.00	82.1429	258.00	594.429
199.00	1390.29	216.00	44.7143	237.00	76.5714	258.90	46
200.00	82.1429	217.00	1252.86	242.00	100.571	265.00	199.429

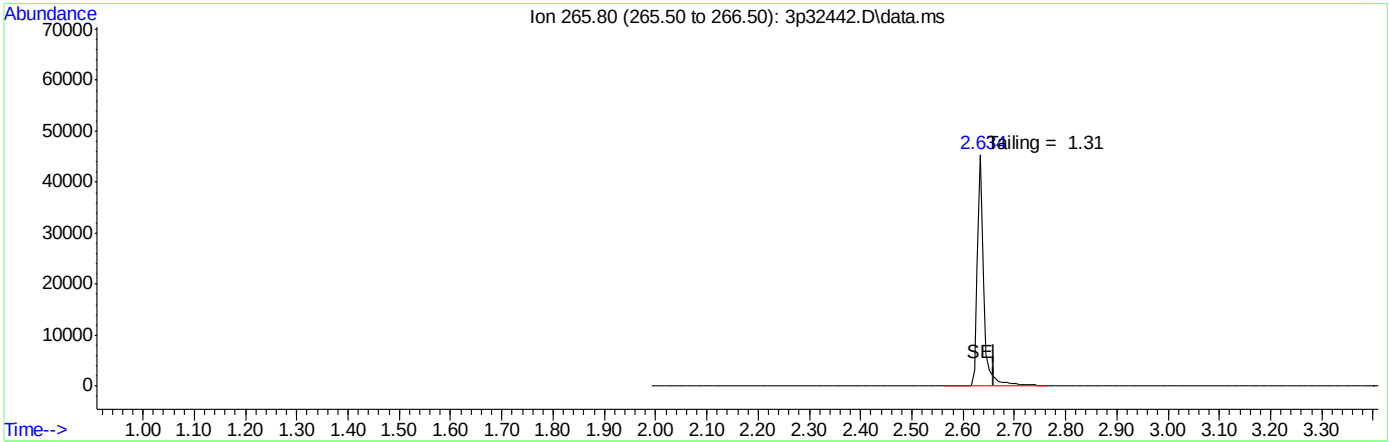
Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

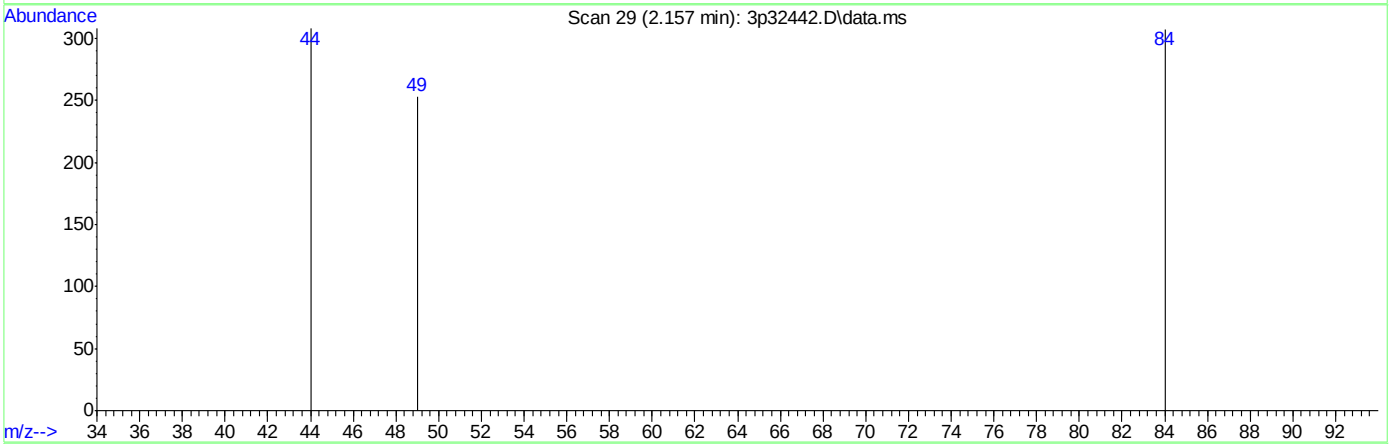
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	258.143	324.00	35.8571	403.00	59.4286		
274.05	797.286	334.00	287	421.00	58.5714		
275.00	4333.57	346.00	80.4286	422.00	54.4286		
276.00	560.714	352.00	88.7143	423.00	702.143		
277.00	292.714	353.00	53.1429	424.00	112.857		
296.00	1202.57	354.00	96	441.10	2068.43		
297.00	138.429	365.00	483	442.10	13968.6		
303.05	122.286	366.00	41.5714	443.10	2893.43		
315.00	131.143	372.00	163.857	444.05	253.714		
316.10	44.4286	383.00	37				
323.00	348	402.00	42				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

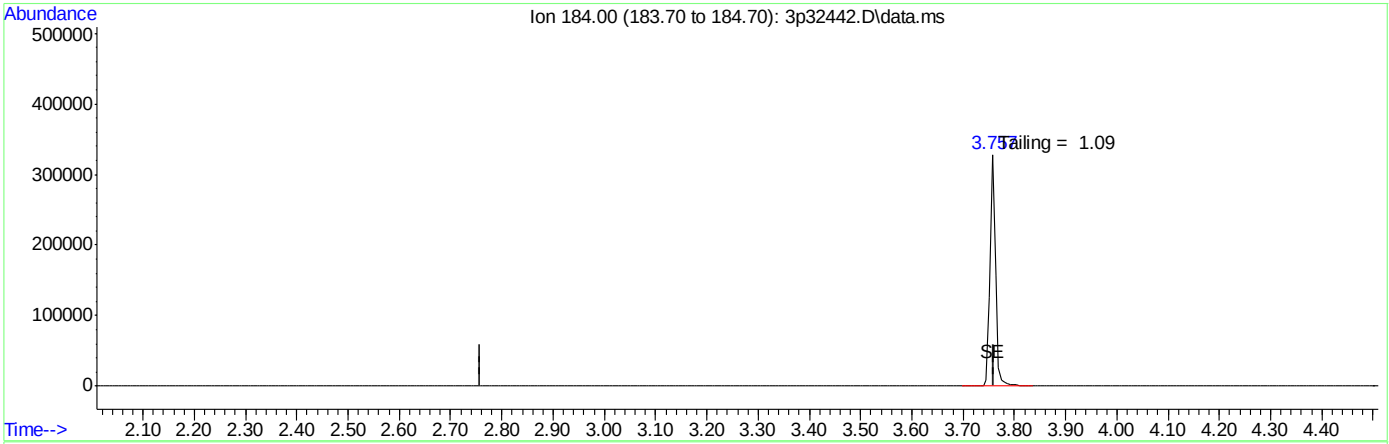
response 0

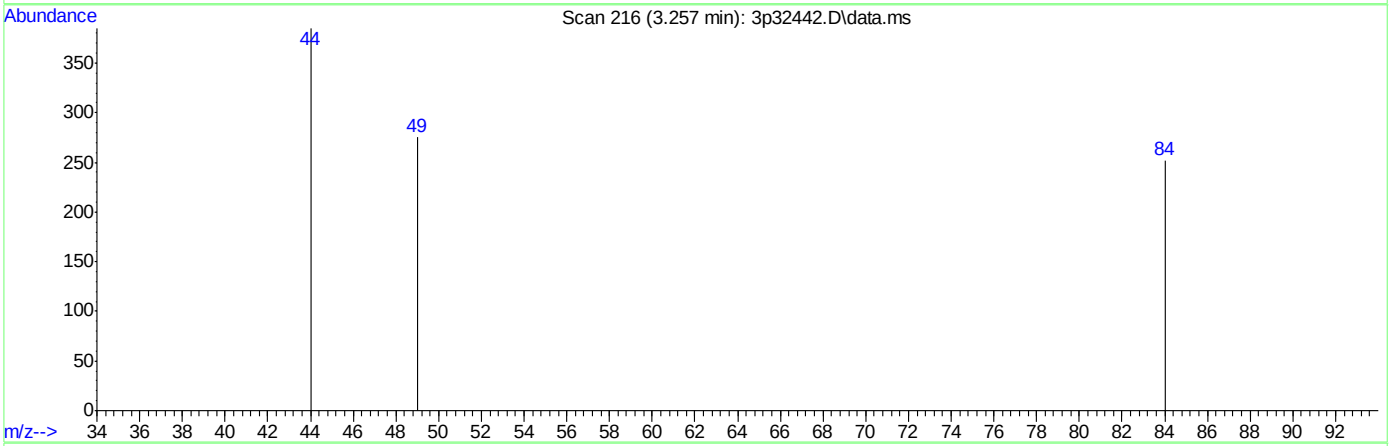
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

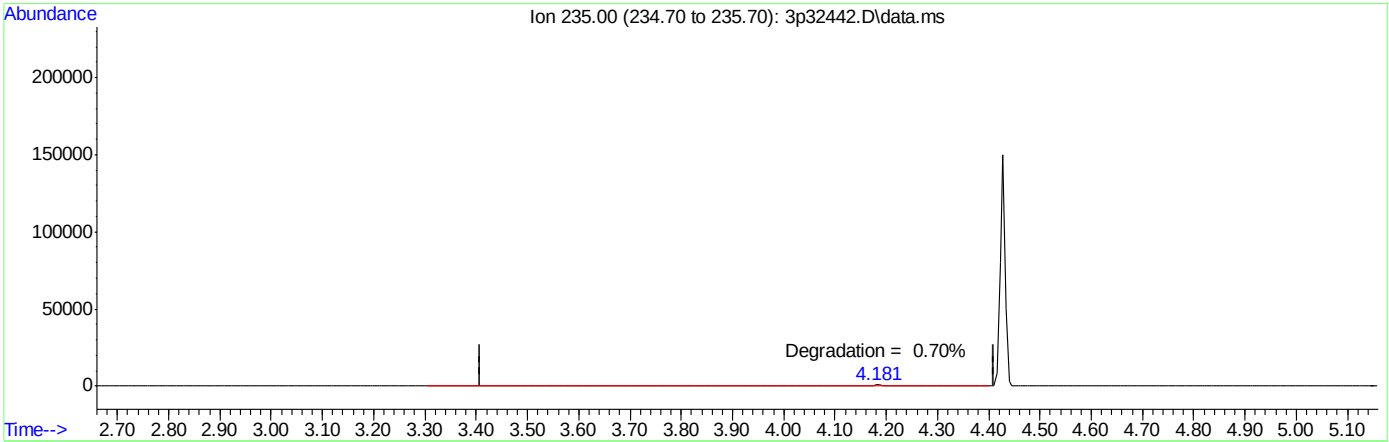
response 0

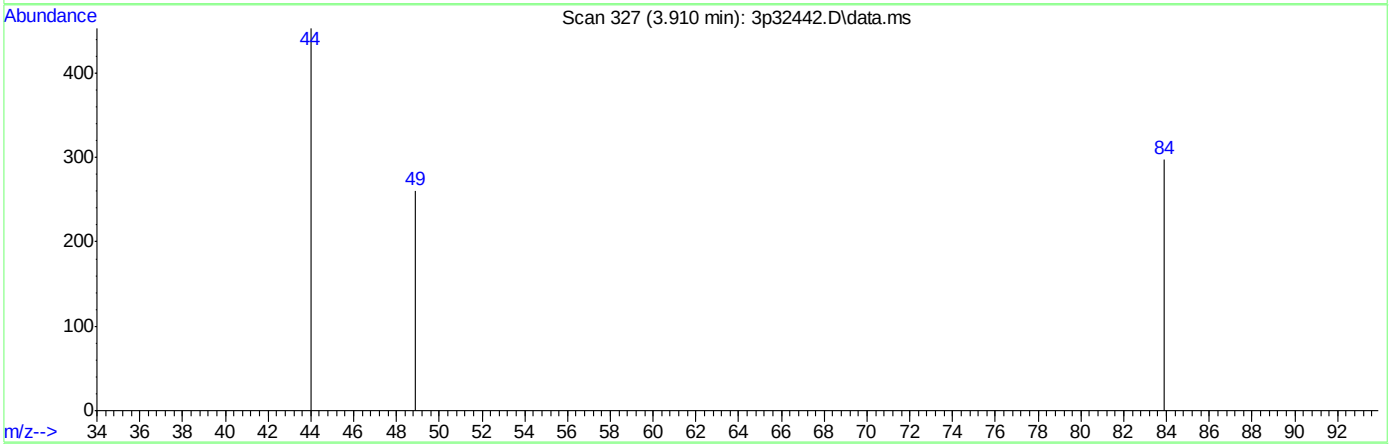
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

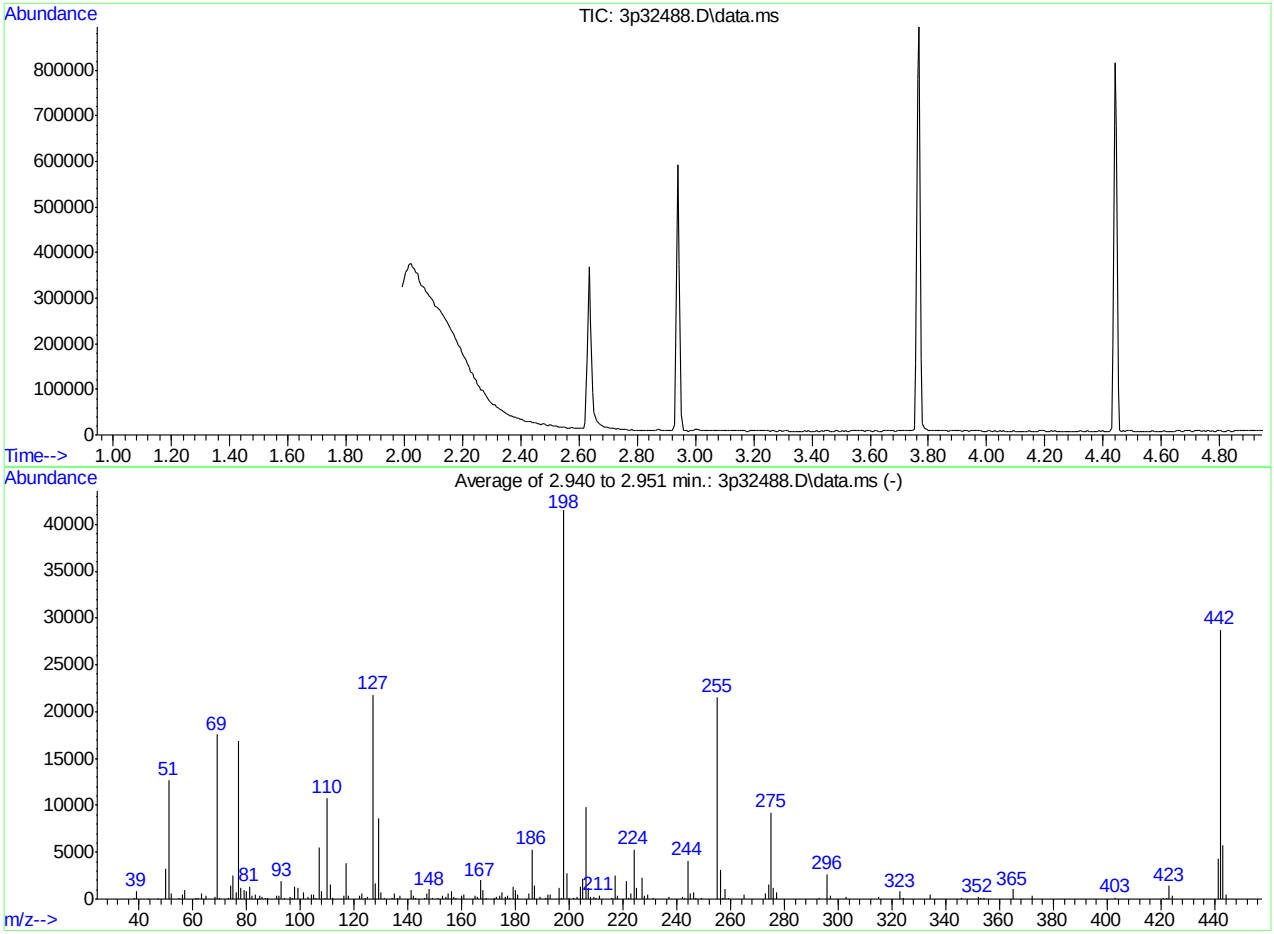
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1392\3p32488.D Vial: 1
Acq On : 9 Jun 2014 10:49 am Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1392,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 162, 163, 164; Background Corrected with Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.6	12698	PASS
68	69	0.00	2	1.6	281	PASS
69	198	0.00	100	42.4	17578	PASS
70	69	0.00	2	0.5	96	PASS
127	198	40	60	52.5	21783	PASS
197	198	0.00	1	0.2	97	PASS
198	198	100	100	100.0	41478	PASS
199	198	5	9	6.7	2783	PASS
275	198	10	30	22.3	9252	PASS
365	198	1	100	2.5	1046	PASS
441	443	0.01	100	75.4	4351	PASS
442	198	40	100	69.3	28730	PASS
443	442	17	23	20.1	5767	PASS

3p32488.D DFTPP3P.M Mon Jun 09 15:07:03 2014 RPT1

ACCUTEST LABORATORIES
JB69123

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	104	62.00	129	78.00	1189	91.00	371
39.00	876	63.00	582	79.00	1015	92.00	359
43.00	13	65.00	325	80.00	838	93.00	1965
46.95	27	68.05	281	81.00	1327	93.90	101
50.05	3295	69.00	17578	82.00	344	96.00	198
51.05	12698	70.00	96	83.05	534	97.00	83
52.00	652	73.00	117	83.95	62	98.00	1367
55.00	76	74.00	1407	84.90	377	99.00	1196
56.00	496	75.00	2458	85.90	222	101.00	711
57.00	923	75.95	707	87.00	109	102.95	269
61.00	113	77.10	16839	87.90	122	104.00	431

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.00	492	121.95	334	136.00	153	154.00	238
105.80	93	123.00	568	137.00	313	155.00	557
107.00	5484	123.90	157	141.00	925	156.00	801
108.00	859	124.95	256	142.00	304	157.00	211
108.90	93	127.00	21783	143.00	120	157.90	122
110.00	10828	128.00	1682	146.00	97	160.00	320
111.00	1549	129.00	8590	146.95	554	160.95	476
112.00	134	130.00	747	148.00	1060	165.00	359
116.00	317	131.00	94	149.00	139	165.95	261
117.00	3848	134.00	98	151.00	86	167.00	2017
118.00	317	135.00	646	153.00	317	168.00	942

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.00	122	185.00	631	200.00	165	211.05	373
171.90	92	186.00	5306	201.40	136	215.90	114
172.95	197	187.00	1428	201.60	83	217.00	2548
174.00	408	189.00	275	202.95	256	218.00	350
175.00	734	191.00	122	204.00	1366	221.00	1876
176.00	259	192.00	462	205.05	2199	222.00	152
177.00	373	193.00	527	206.10	9799	222.95	545
177.90	86	196.00	1191	207.00	1255	224.05	5286
179.00	1364	197.10	97	208.00	238	225.00	1235
180.00	943	198.00	41478	209.00	196	227.00	2244
180.95	482	199.00	2783	210.00	88	228.00	323

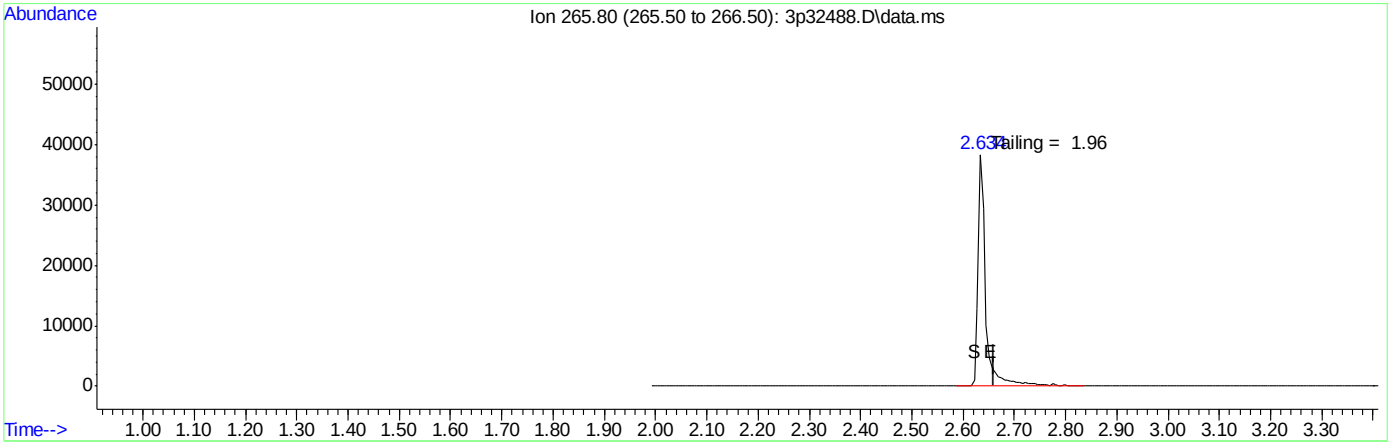
Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

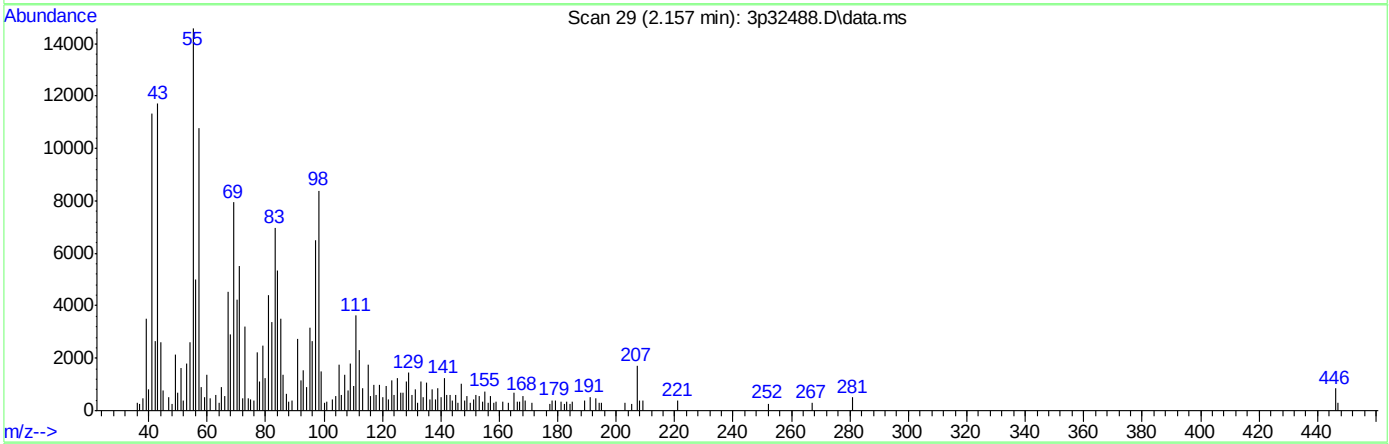
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
229.00	481	256.00	3100	296.00	2674	365.00	1046
231.00	118	257.00	101	297.00	334	372.00	415
237.00	187	258.00	1134	303.00	282	403.00	149
242.00	253	259.00	110	315.00	279	421.00	89
243.00	175	264.95	496	323.05	804	422.00	100
244.10	4110	273.00	619	324.00	101	423.00	1434
245.05	569	274.00	1503	334.05	522	424.00	316
246.00	762	275.00	9252	345.90	112	441.10	4351
246.90	84	276.00	1177	351.95	237	442.05	28730
249.00	87	277.00	713	353.00	86	443.05	5767
255.00	21600	292.90	109	354.00	123	444.00	536

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

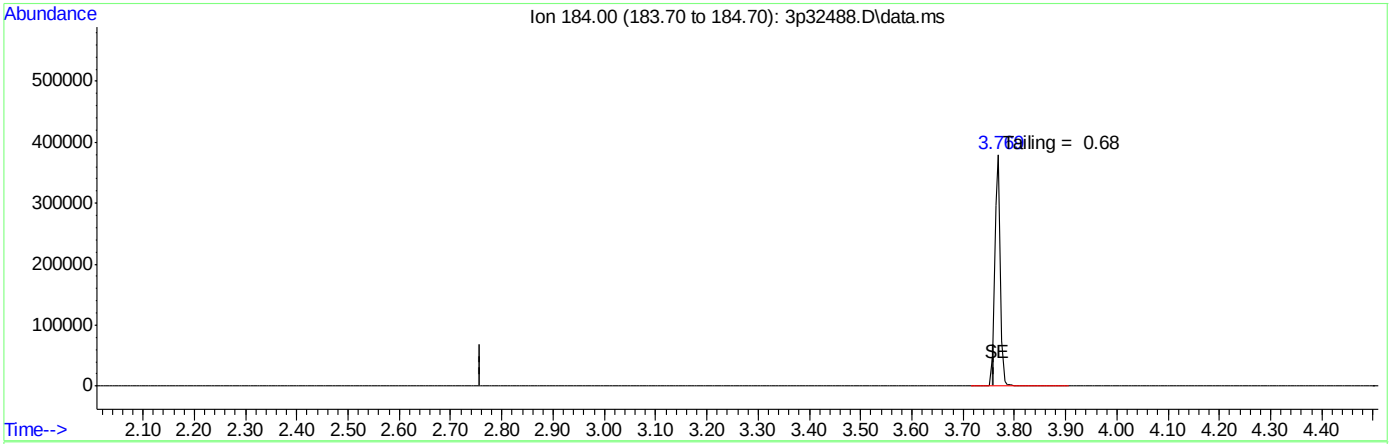
response 0

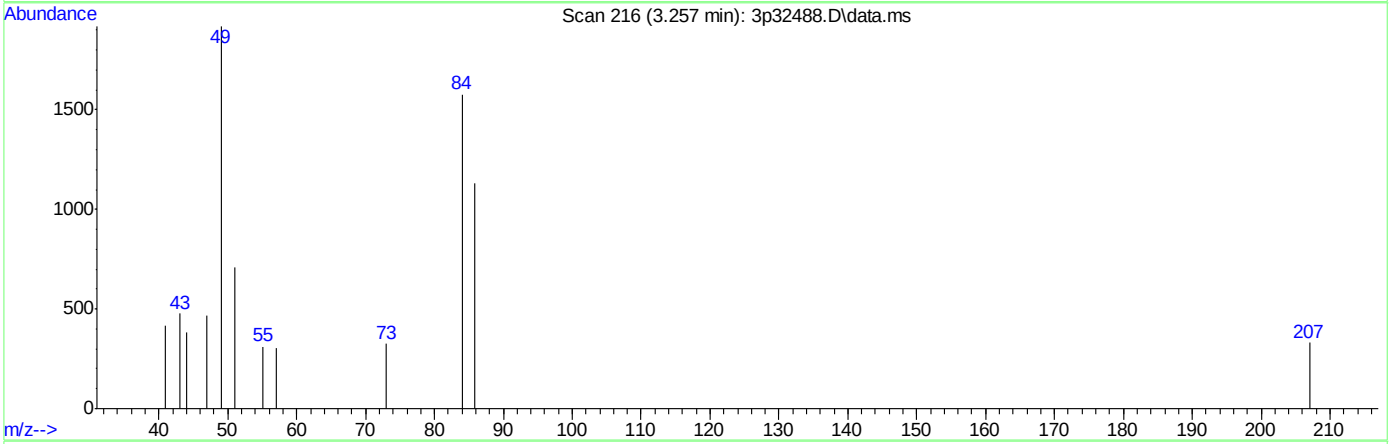
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

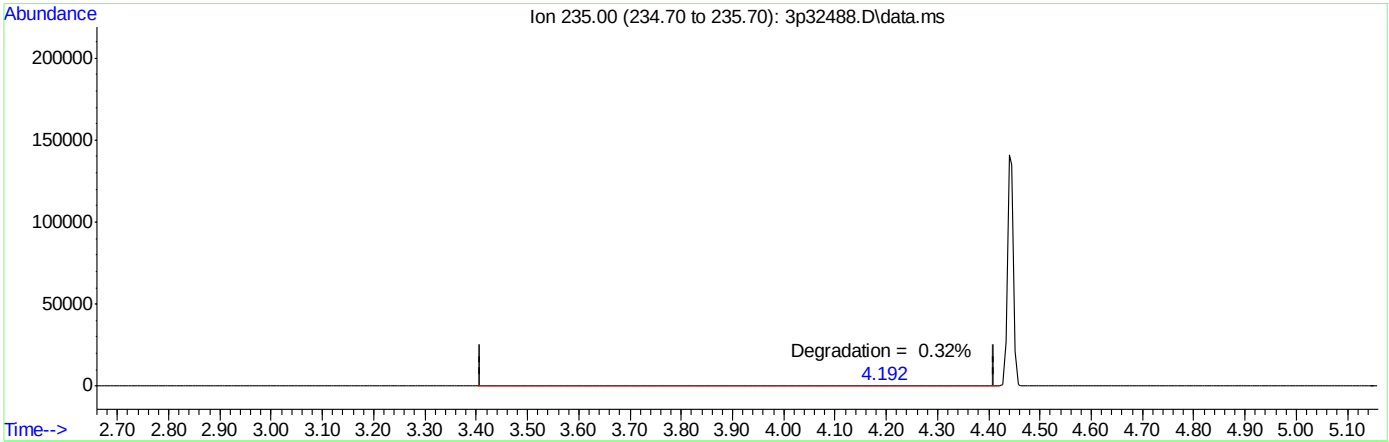
response 0

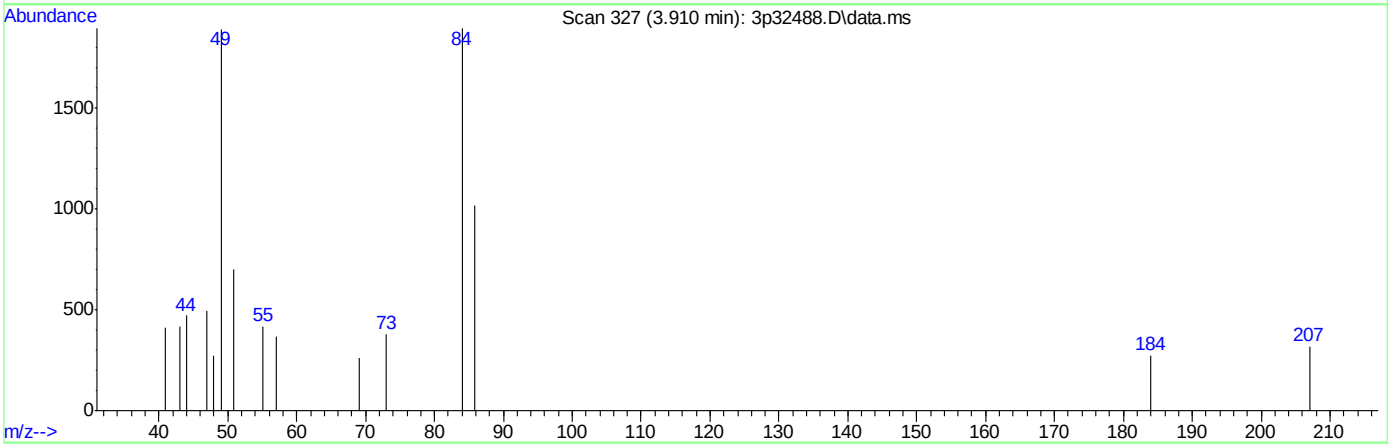
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

response 0

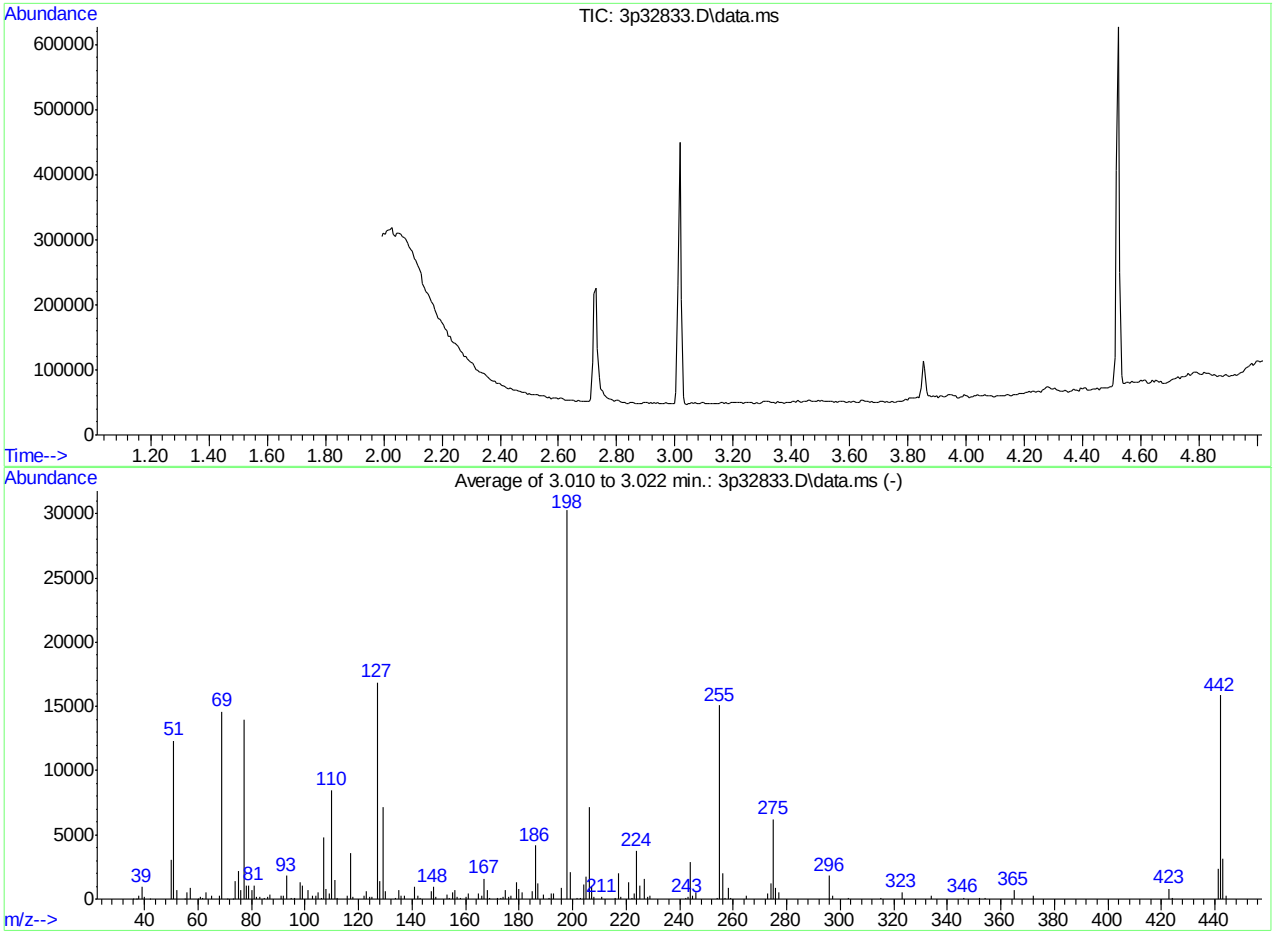
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

DFTPP

Data File : C:\msdchem\1\DATA\1406\3p32833.D Vial: 1
Acq On : 17 Jun 2014 9:30 pm Operator: ashleyd
Sample : dftpp Inst : GC3P
Misc : op75312,e3p1406 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 174, 175, 176; Background Corrected with Scan 171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	12312	PASS
68	69	0.00	2	1.8	262	PASS
69	198	0.00	100	48.3	14612	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.7	16855	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	30253	PASS
199	198	5	9	6.8	2065	PASS
275	198	10	30	20.6	6239	PASS
365	198	1	100	2.3	702	PASS
441	443	0.01	100	76.5	2386	PASS
442	198	40	100	52.5	15870	PASS
443	442	17	23	19.7	3120	PASS

3p32833.D DFTPP3P.M Wed Jun 18 15:39:55 2014 RPT1

Average of 3.010 to 3.022 min.: 3p32833.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	31	57.00	907	75.00	2223	86.95	332
37.00	43	60.00	4	76.05	699	91.00	222
38.00	247	61.00	188	77.10	14002	91.95	240
39.05	929	61.90	85	78.00	1028	93.00	1795
39.95	182	63.00	559	79.00	1070	95.00	83
42.00	45	65.00	286	80.00	743	96.10	106
50.00	3085	67.95	262	81.00	1061	98.00	1313
51.05	12312	69.00	14612	82.00	195	99.00	1080
52.00	720	71.05	45	83.00	213	101.00	674
55.05	38	73.00	25	84.95	81	103.00	224
56.00	512	74.00	1394	86.00	140	104.00	299

Average of 3.010 to 3.022 min.: 3p32833.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.00	510	121.95	284	137.05	261	156.95	187
106.00	85	123.00	601	141.00	948	157.90	107
107.00	4840	124.00	155	142.00	263	160.00	156
108.00	779	125.10	188	142.90	97	160.95	431
109.05	405	127.00	16855	147.00	576	165.00	447
110.00	8487	128.00	1389	148.00	951	166.00	240
111.00	1444	129.00	7133	149.00	207	167.00	1586
111.90	125	130.00	604	152.95	317	167.95	688
116.00	244	133.90	108	154.00	117	169.00	96
117.00	3559	135.00	703	155.00	492	171.90	84
118.00	155	136.00	230	156.00	674	173.00	114

Average of 3.010 to 3.022 min.: 3p32833.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.00	182	191.00	95	207.00	952	227.00	1589
175.00	681	191.95	415	208.00	161	227.90	143
176.00	138	192.95	471	211.00	160	229.00	268
176.90	291	196.00	863	216.00	89	242.10	119
179.00	1346	198.00	30253	217.00	1984	243.00	136
180.00	806	199.00	2065	217.90	138	244.00	2852
181.00	483	201.50	122	221.00	1272	245.00	306
185.00	595	203.00	127	222.00	131	246.00	552
186.00	4161	204.00	1148	223.00	440	254.00	88
187.00	1255	205.00	1762	224.00	3751	255.00	15092
188.95	367	206.10	7165	225.00	1021	256.00	2009

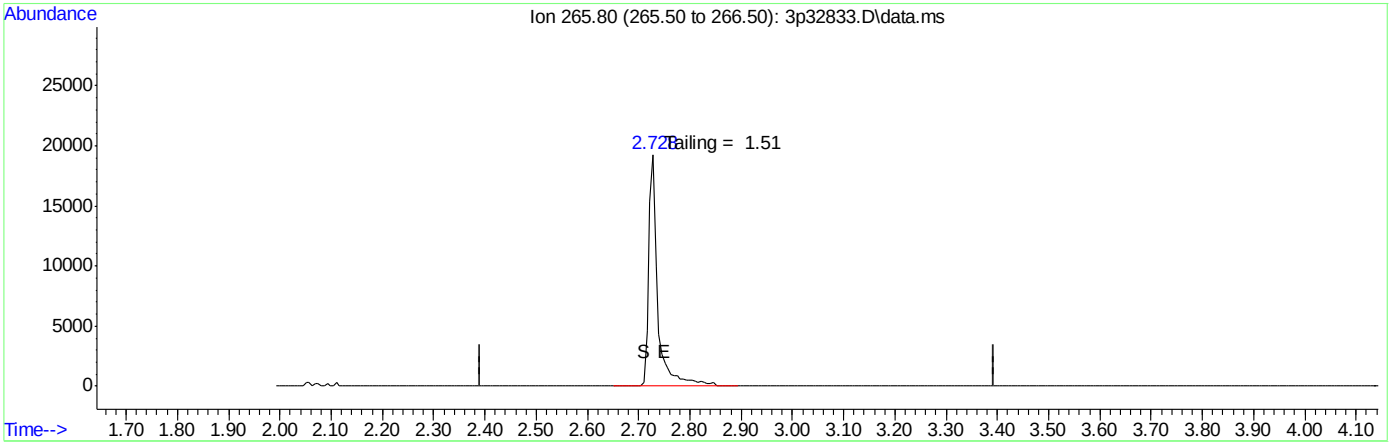
Average of 3.010 to 3.022 min.: 3p32833.D\data.ms
dftpp
Modified:subtracted

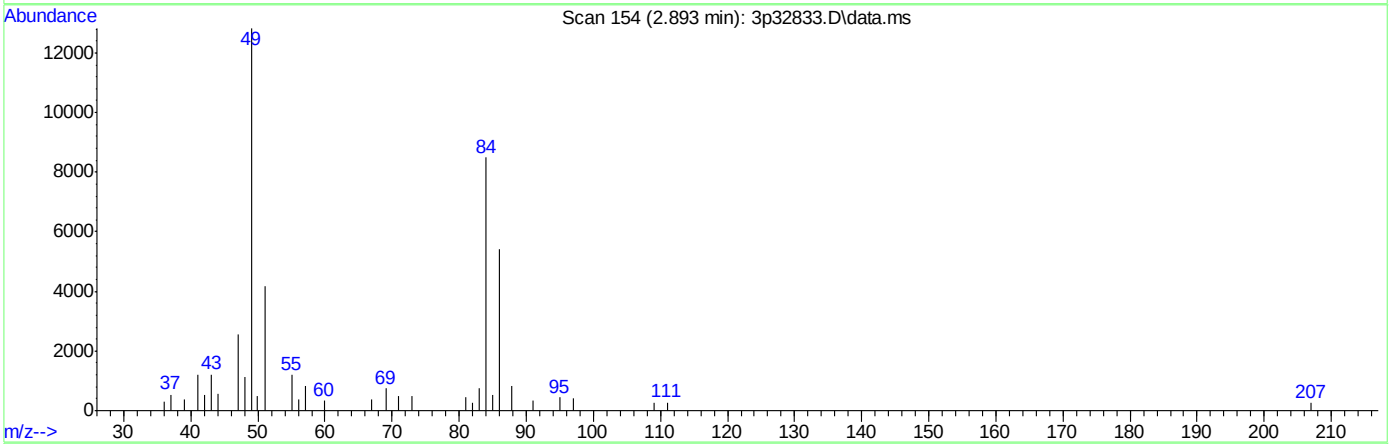
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
257.00	112	303.00	115	441.05	2386		
258.00	881	315.00	114	442.10	15870		
259.00	95	323.00	525	443.05	3120		
264.95	287	334.00	286	444.00	276		
273.00	407	346.00	99				
274.00	1216	352.00	88				
275.00	6239	354.00	85				
276.00	870	365.00	702				
276.95	562	372.00	222				
296.00	1806	423.00	829				
297.00	222	424.00	91				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32833.D
Acq On : 17 Jun 2014 9:30 pm
Operator : ashleyd
Sample : dftpp
Misc : op75312,e3p1406
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 21:33:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3p32833.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

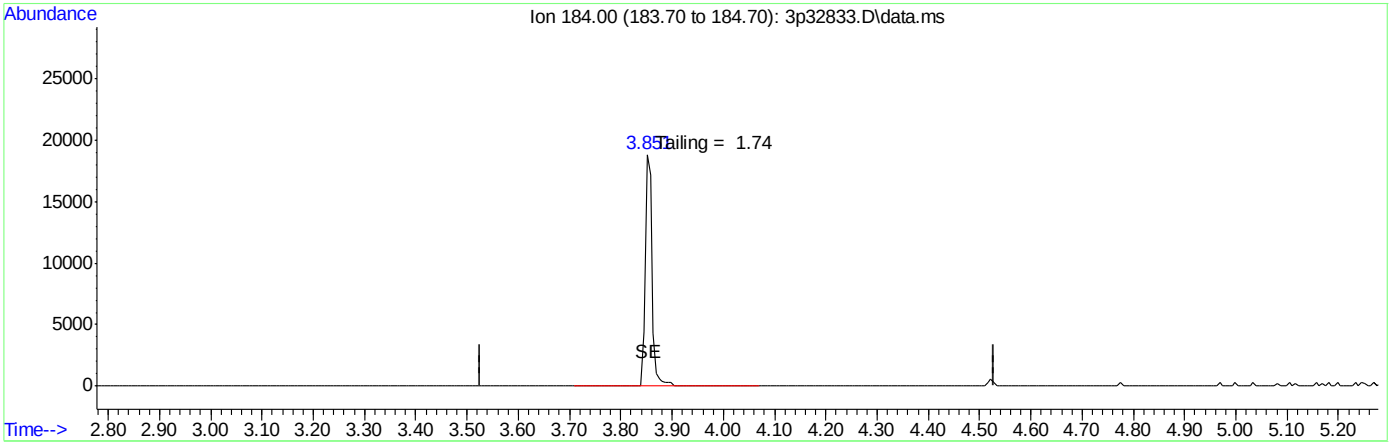
response 0

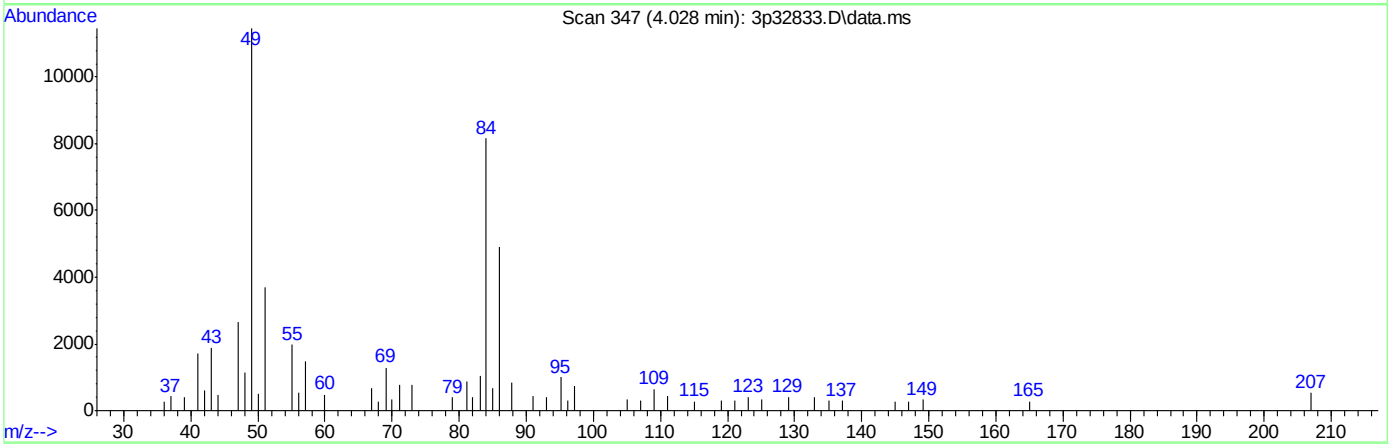
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32833.D
Acq On : 17 Jun 2014 9:30 pm
Operator : ashleyd
Sample : dftpp
Misc : op75312,e3p1406
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 21:33:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3p32833.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

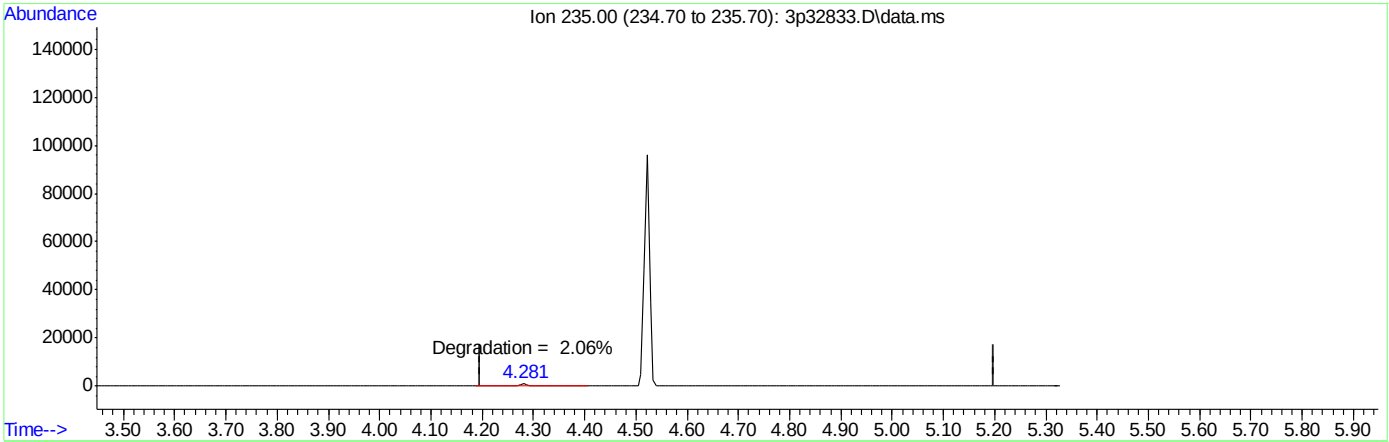
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

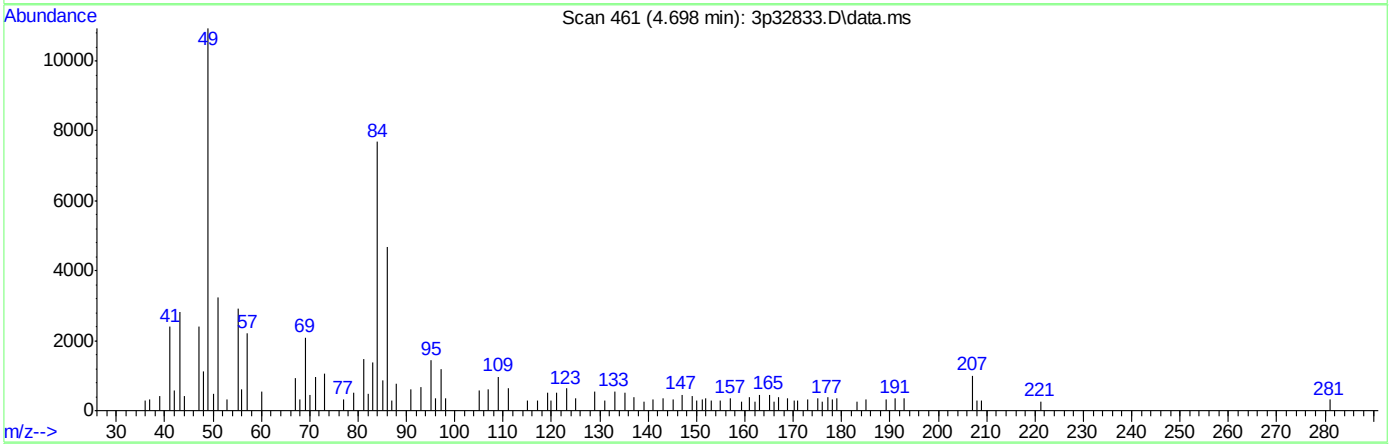
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32833.D
Acq On : 17 Jun 2014 9:30 pm
Operator : ashleyd
Sample : dftpp
Misc : op75312,e3p1406
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 21:33:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3p32833.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

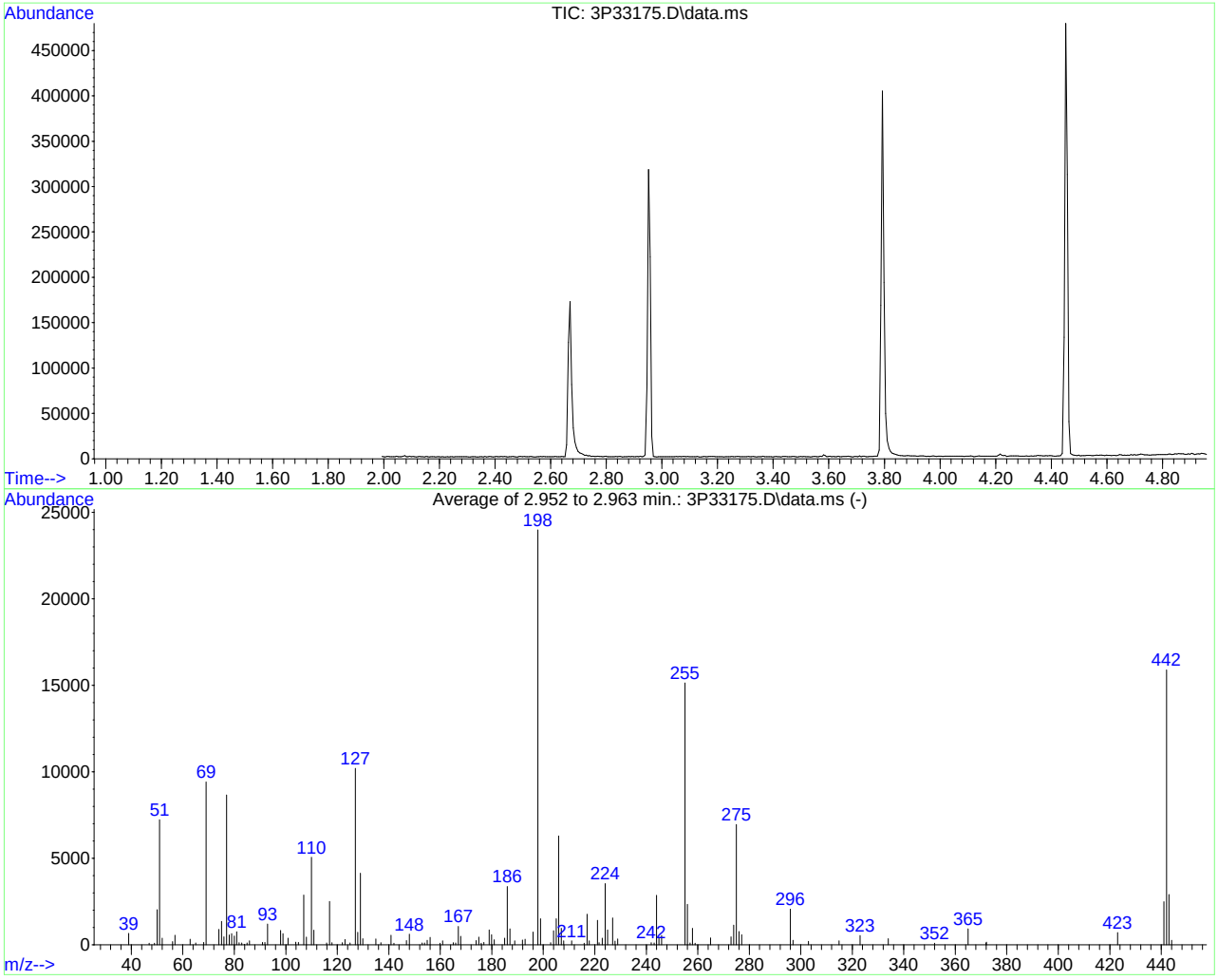
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

DFTPP

Data File : C:\msdchem\1\DATA\E3P1417\3P33175.D Vial: 1
Acq On : 26 Jun 2014 9:36 am Operator: samtap
Sample : dftpp Inst : MS3P
Misc : op75725,e3p1417 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\msdchem\1\METHODS\dftpp3p.m (ChemStation Integrator)
Title :



AutoFind: Scans 164, 165, 166; Background Corrected with Scan 160

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.1	7228	PASS
68	69	0.00	2	1.4	131	PASS
69	198	0.00	100	39.2	9406	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.5	10197	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	23975	PASS
199	198	5	9	6.3	1506	PASS
275	198	10	30	29.0	6952	PASS
365	198	1	100	3.8	911	PASS
441	443	0.01	100	85.7	2490	PASS
442	198	40	100	66.3	15893	PASS
443	442	17	23	18.3	2906	PASS

3P33175.D dftpp3p.m Thu Jun 26 16:41:32 2014 RPT1

Average of 2.952 to 2.963 min.: 3P33175.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	654	69.00	9406	83.90	28	107.00	2863
46.90	91	74.00	892	85.00	96	108.00	439
49.00	83	75.00	1347	85.85	221	110.00	5060
50.00	2027	76.00	453	91.00	129	110.90	837
50.95	7228	77.00	8655	91.90	134	115.90	106
52.00	375	78.00	562	92.95	1198	117.00	2506
56.00	170	79.00	643	97.95	823	117.90	120
56.95	547	79.95	497	98.95	638	121.90	122
62.90	312	80.95	751	100.90	374	123.00	296
65.00	102	81.90	110	103.90	153	124.90	102
68.10	131	82.90	108	104.90	138	127.00	10197

Average of 2.952 to 2.963 min.: 3P33175.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.95	712	154.90	253	176.90	128	197.90	23975
129.00	4133	156.00	421	178.95	860	198.95	1506
129.90	345	159.90	83	179.90	570	202.90	115
134.95	329	160.95	226	180.90	282	204.00	807
136.90	122	165.00	117	185.00	377	205.00	1500
140.90	552	166.00	98	186.00	3355	206.00	6282
142.00	85	167.00	1054	187.00	911	206.95	940
146.90	246	167.95	490	188.90	217	207.95	221
147.95	610	173.95	243	191.90	275	211.00	222
152.90	94	175.00	441	192.90	321	215.90	84
153.90	95	175.90	85	196.00	724	217.00	1761

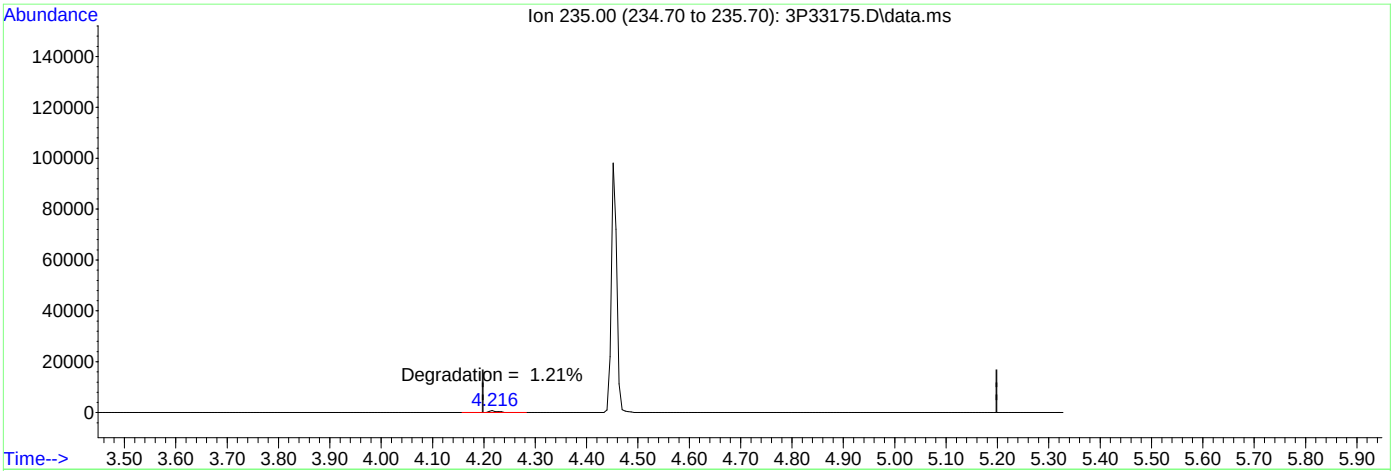
Average of 2.952 to 2.963 min.: 3P33175.D\data.ms
dftpp
Modified:subtracted

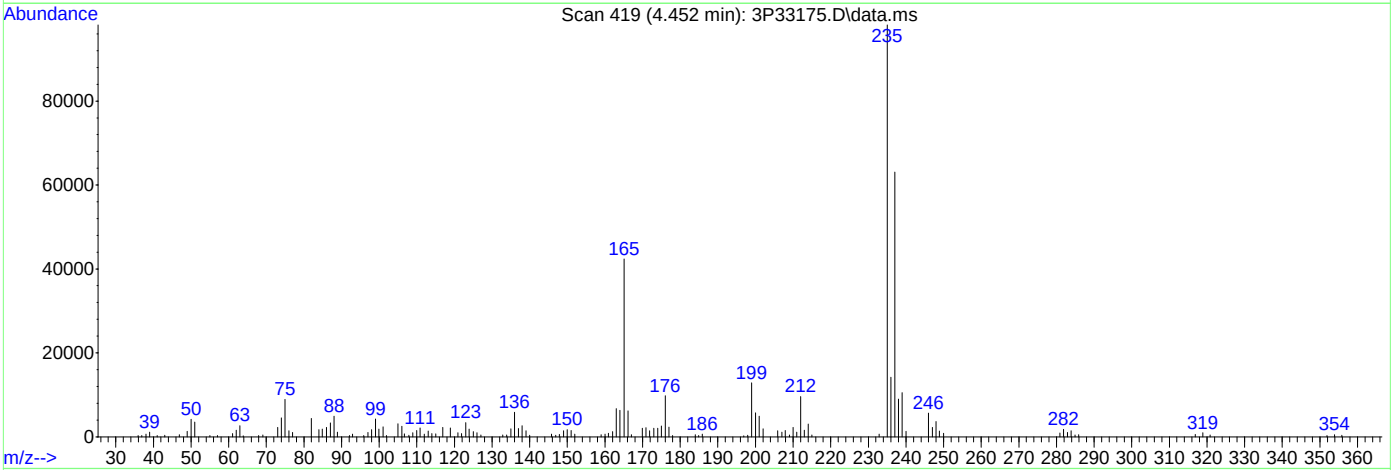
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.85	223	244.00	2855	275.00	6952	371.90	94
221.00	1408	244.90	366	276.00	761	372.10	148
221.70	111	245.95	537	277.00	572	423.00	694
222.90	379	255.00	15136	295.95	2056	441.00	2490
224.00	3527	256.00	2328	297.00	259	442.00	15893
225.00	859	257.00	93	302.95	199	443.00	2906
226.95	1553	257.90	942	314.90	218	444.00	251
227.90	203	259.00	90	323.00	531		
228.90	333	264.90	389	334.00	347		
241.90	113	272.95	448	352.00	83		
243.00	97	273.95	1133	365.00	911		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33175.D
Acq On : 26 Jun 2014 9:36 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1417
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 09:41:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33175.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

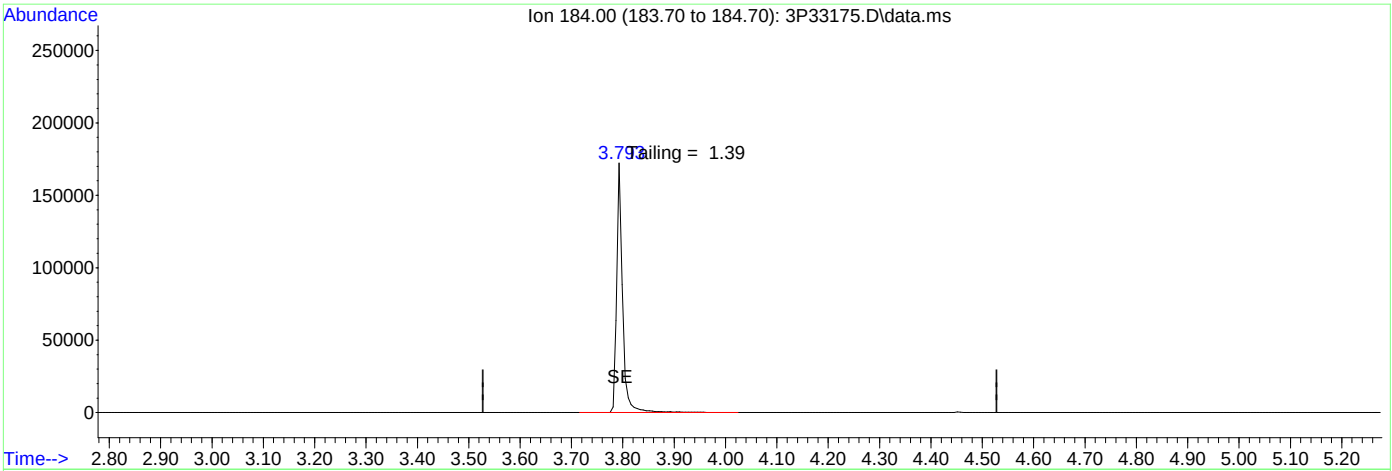
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

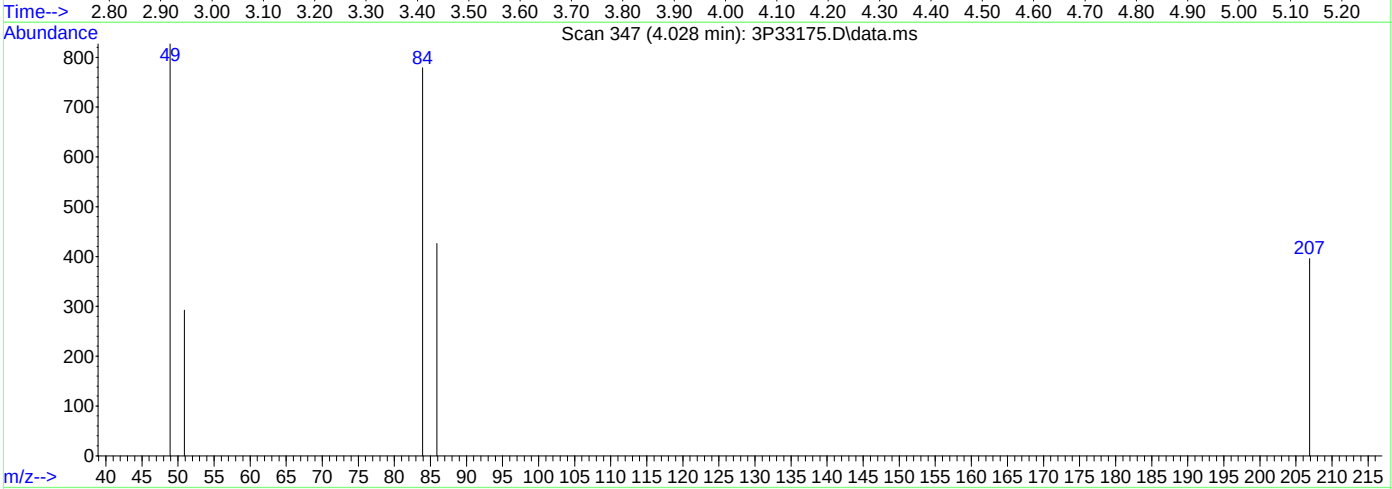
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33175.D
Acq On : 26 Jun 2014 9:36 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1417
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 09:41:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33175.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

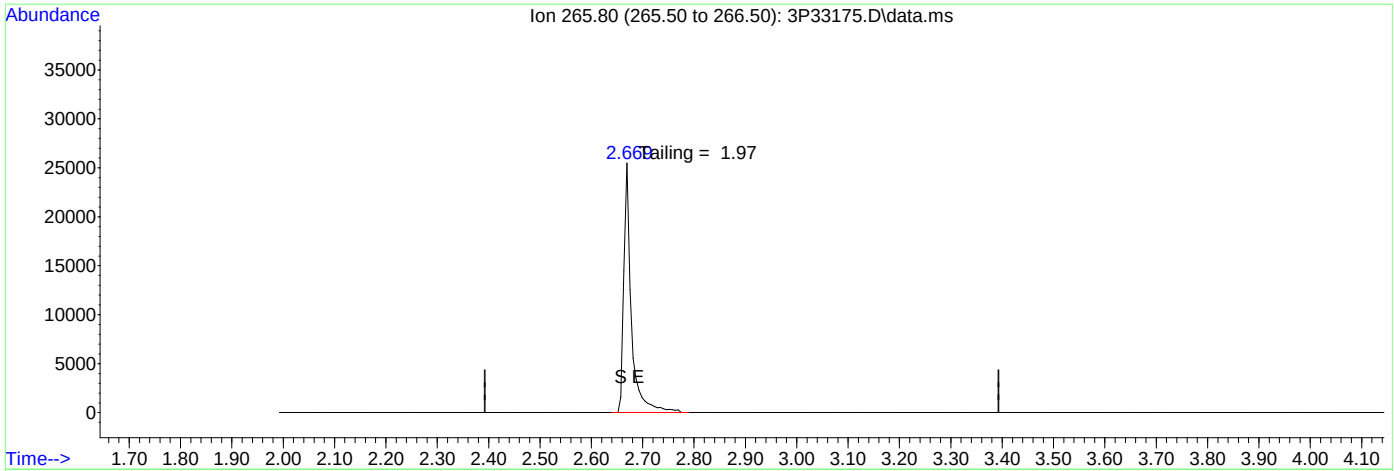
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

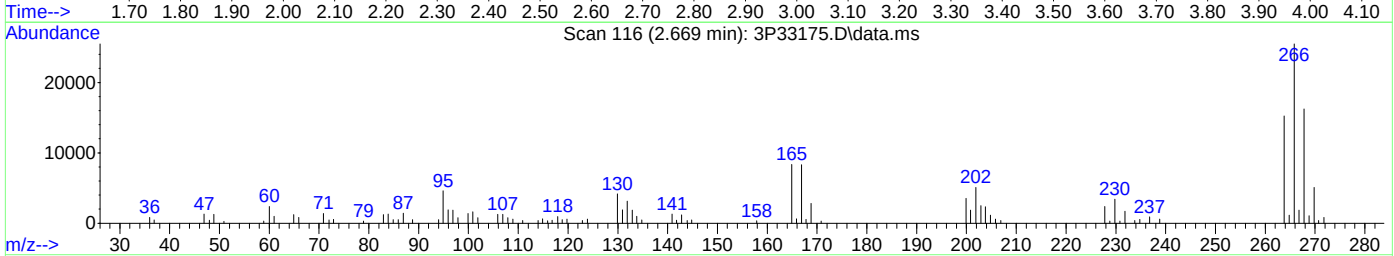
ACCUTEST LABORATORIES
JB69123

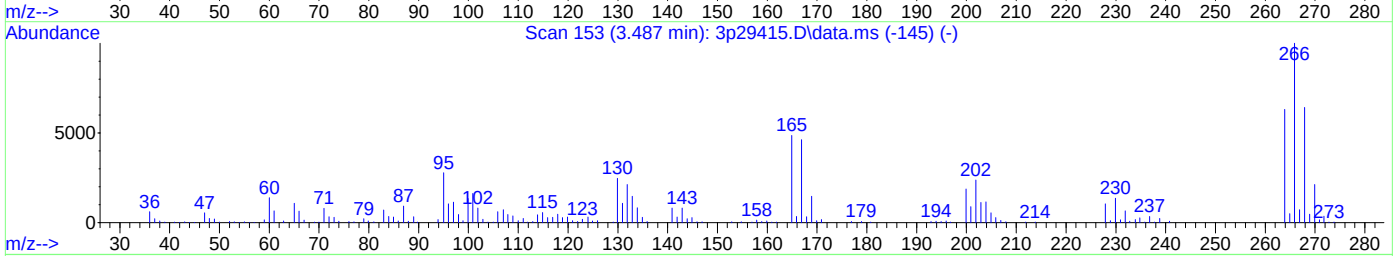
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33175.D
Acq On : 26 Jun 2014 9:36 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1417
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 09:41:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration







TIC: 3P33175.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

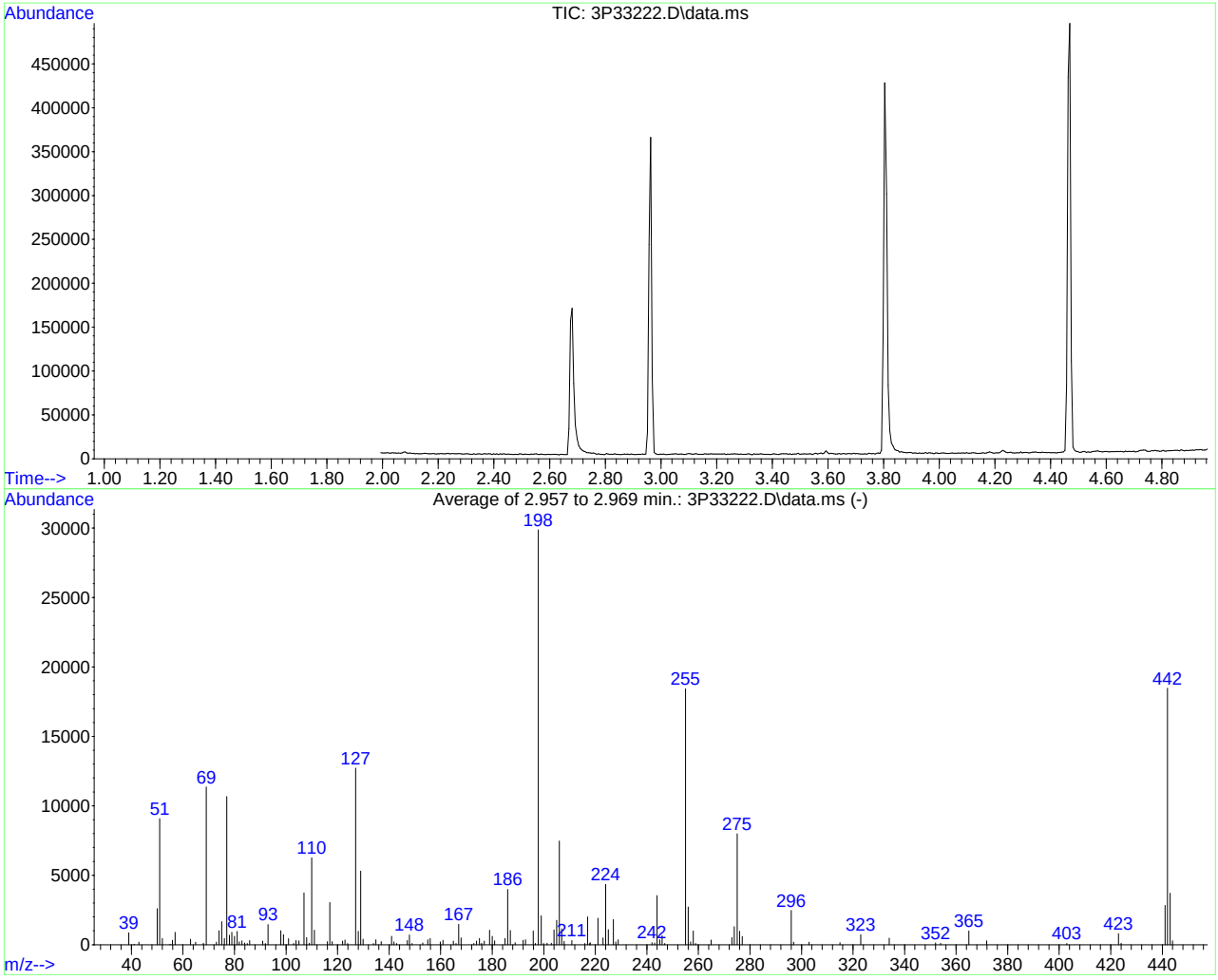
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

DFTPP

Data File : C:\msdchem\1\DATA\E3P1419\3P33222.D Vial: 1
Acq On : 27 Jun 2014 9:30 am Operator: samtap
Sample : dftpp Inst : MS3P
Misc : op75725,e3p1419 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 165, 166, 167; Background Corrected with Scan 162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.4	9083	PASS
68	69	0.00	2	0.9	100	PASS
69	198	0.00	100	38.0	11350	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.6	12710	PASS
197	198	0.00	1	0.3	96	PASS
198	198	100	100	100.0	29866	PASS
199	198	5	9	7.0	2081	PASS
275	198	10	30	26.7	7983	PASS
365	198	1	100	3.3	985	PASS
441	443	0.01	100	76.3	2837	PASS
442	198	40	100	61.8	18471	PASS
443	442	17	23	20.1	3716	PASS

3P33222.D DFTPP3P.M Fri Jun 27 14:33:15 2014 RPT1

Average of 2.957 to 2.969 min.: 3P33222.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	847	67.90	100	81.90	206	102.90	93
41.00	29	69.00	11350	82.90	282	103.90	291
42.95	178	72.95	184	83.90	126	104.95	280
50.00	2594	74.00	1011	85.00	96	107.00	3721
50.95	9083	75.00	1661	85.90	297	108.00	518
52.00	452	76.05	448	90.95	256	109.00	103
55.00	27	77.00	10661	92.00	87	110.00	6261
55.95	324	78.00	681	93.00	1447	110.95	1051
57.00	893	79.00	892	97.95	1004	116.00	220
62.90	397	79.95	612	99.00	722	117.00	3040
64.95	186	81.00	958	100.95	436	117.95	224

Average of 2.957 to 2.969 min.: 3P33222.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
121.95	252	141.90	209	166.00	86	184.95	455
122.90	339	142.90	87	167.00	1465	186.00	3981
123.90	96	147.00	295	167.95	491	187.00	1027
127.00	12710	147.90	704	172.90	85	188.90	146
128.00	977	148.90	92	173.90	261	191.95	315
129.00	5299	153.00	131	175.00	454	192.95	346
129.90	396	155.00	354	175.90	112	195.95	984
133.90	84	155.95	442	176.90	254	196.70	96
134.90	362	159.90	194	179.00	1047	197.90	29866
136.95	217	160.90	314	179.95	596	199.00	2081
140.95	605	164.90	261	180.90	279	199.90	90

Average of 2.957 to 2.969 min.: 3P33222.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
201.30	103	218.00	137	245.00	362	275.00	7983
202.90	112	221.00	1909	245.90	648	276.00	960
204.00	1070	222.95	494	246.90	88	277.00	589
205.00	1757	224.00	4338	255.00	18431	296.00	2471
206.00	7460	225.00	1092	256.00	2714	296.90	174
207.00	1149	227.00	1821	256.95	199	302.90	179
207.90	239	227.95	206	258.00	990	314.90	148
210.90	297	228.90	348	258.90	85	323.00	714
216.00	85	242.00	135	264.90	341	334.00	467
216.95	2003	243.00	130	273.00	509	352.00	132
217.80	84	244.00	3530	273.95	1295	354.00	109

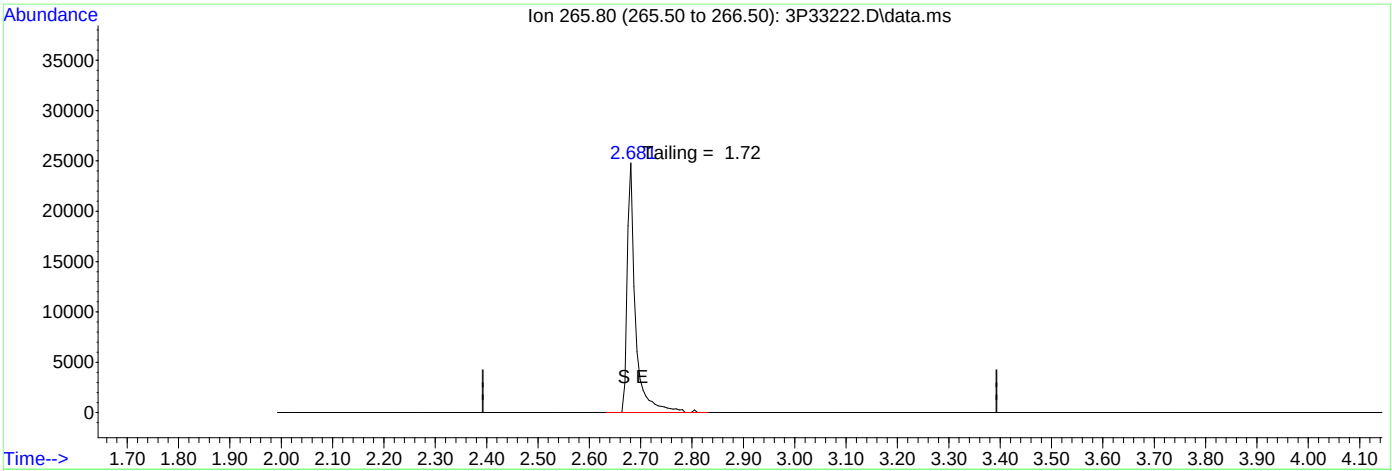
Average of 2.957 to 2.969 min.: 3P33222.D\data.ms
dftpp
Modified:subtracted

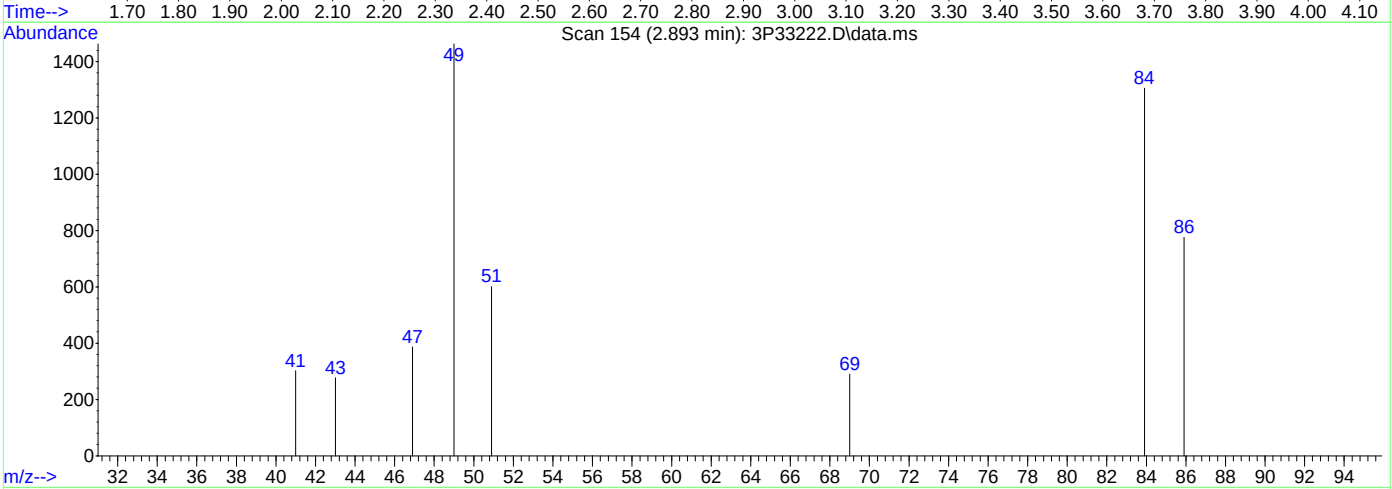
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
364.95	985						
371.90	281						
403.00	87						
423.00	791						
424.00	109						
441.05	2837						
442.00	18471						
443.05	3716						
443.95	274						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33222.D
Acq On : 27 Jun 2014 9:30 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1419
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 09:35:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33222.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

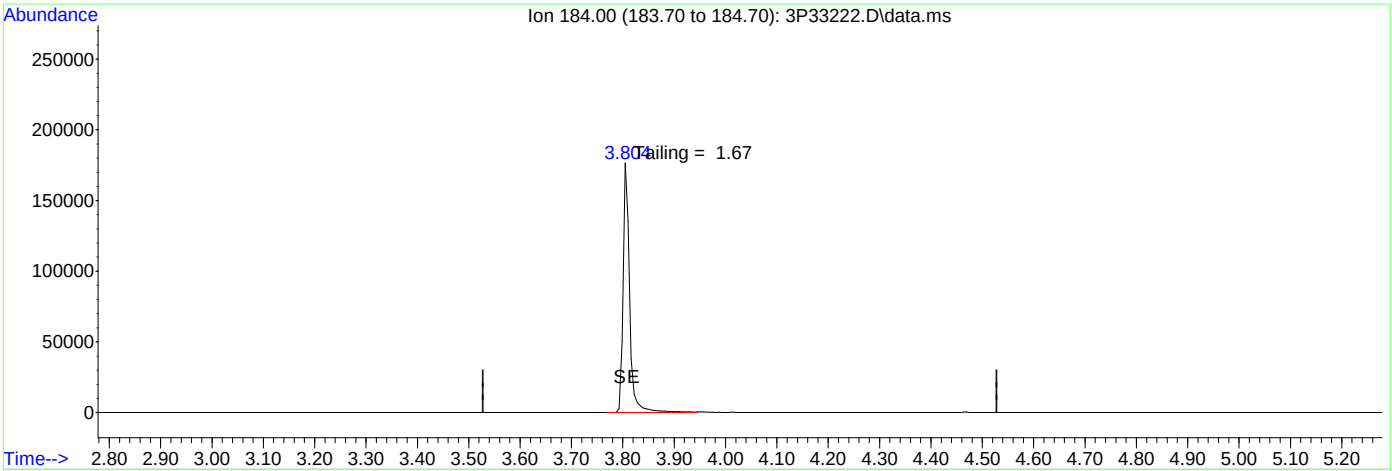
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

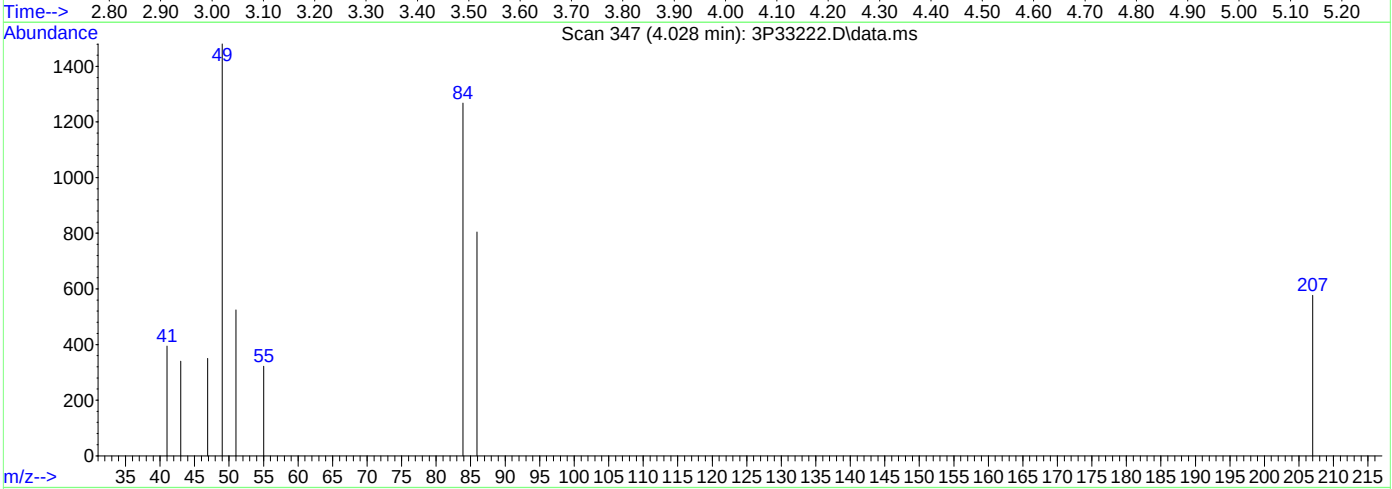
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33222.D
Acq On : 27 Jun 2014 9:30 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1419
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 09:35:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33222.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

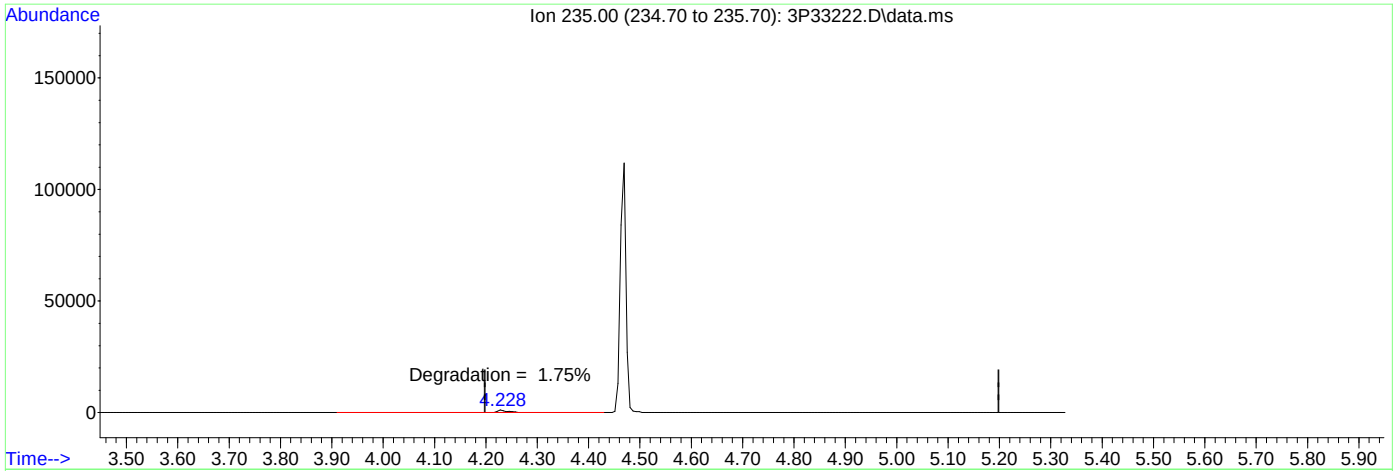
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

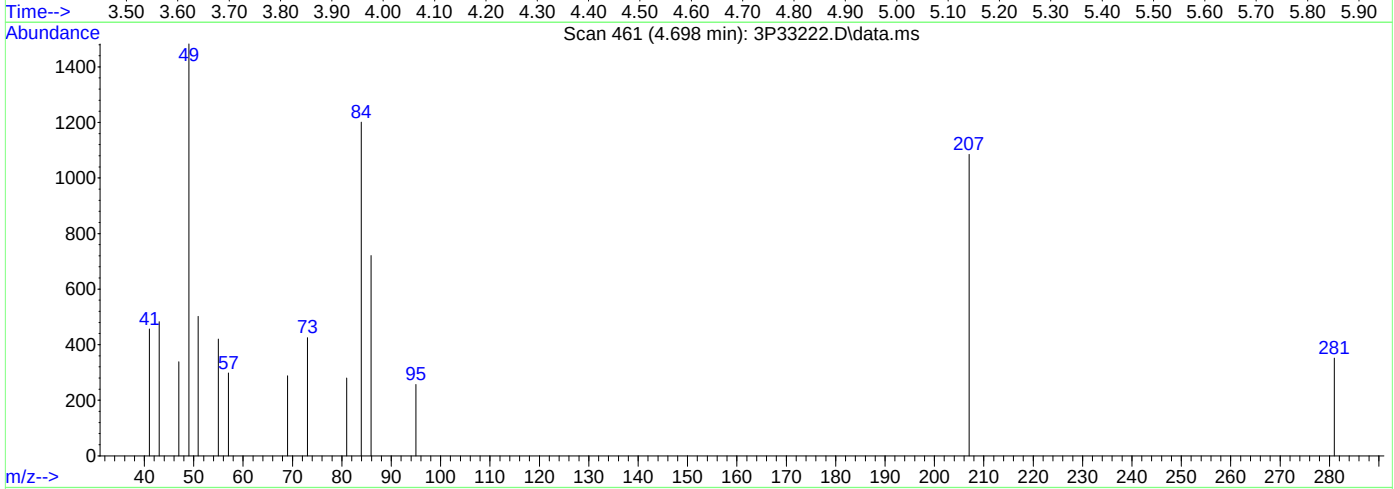
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33222.D
Acq On : 27 Jun 2014 9:30 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1419
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 09:35:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33222.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

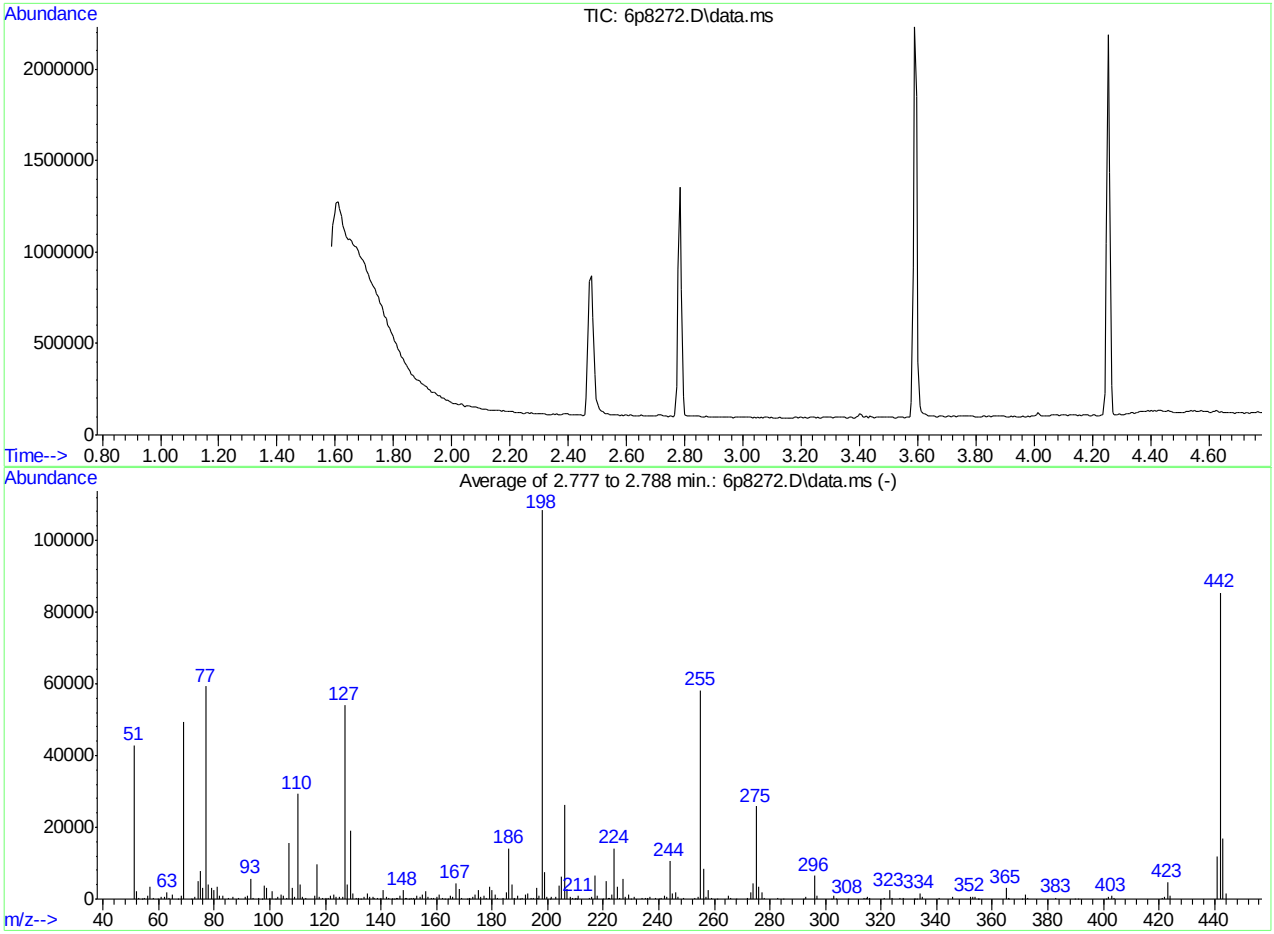
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\e6p357\6p8272.D Vial: 1
Acq On : 26 Jun 2014 2:55 pm Operator: samtap
Sample : dftpp Inst : MS6P
Misc : op75816,e6p357 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 209, 210, 211; Background Corrected with Scan 205

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.6	42873	PASS
68	69	0.00	2	1.6	807	PASS
69	198	0.00	100	45.5	49257	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.0	54181	PASS
197	198	0.00	1	0.8	865	PASS
198	198	100	100	100.0	108309	PASS
199	198	5	9	7.0	7564	PASS
275	198	10	30	23.8	25824	PASS
365	198	1	100	2.8	3072	PASS
441	443	0.01	100	71.6	12025	PASS
442	198	40	100	78.8	85371	PASS
443	442	17	23	19.7	16799	PASS

6p8272.D DFTPP6P.M Tue Jul 01 10:50:56 2014 RPT1

Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	42873	63.00	1937	77.00	59317	91.90	906
51.95	2188	63.90	247	78.00	4135	93.00	5662
52.90	214	65.00	1184	78.95	3017	93.95	239
54.05	15	66.95	136	80.00	2494	96.00	300
55.00	272	68.00	807	80.90	3374	97.00	58
56.00	919	69.00	49257	82.00	920	98.00	3630
57.00	3325	71.80	72	82.95	839	99.00	3087
58.05	234	72.90	582	84.90	357	100.00	356
59.85	26	74.00	4873	86.90	587	100.95	2329
60.95	720	75.00	7786	88.90	196	101.90	105
61.95	707	76.00	3133	91.00	786	102.95	768

Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	1209	117.00	9593	128.00	3999	138.90	249
105.00	1019	117.95	737	129.00	19138	140.00	278
105.95	395	118.95	232	129.95	1558	140.90	2367
107.00	15497	120.00	248	130.95	446	141.95	772
108.00	3014	121.00	185	131.95	247	142.95	470
109.05	664	121.95	1014	132.70	68	143.85	161
110.00	29315	123.00	1152	133.95	710	144.10	90
111.00	3925	123.95	528	135.00	1475	144.95	167
111.90	644	124.90	532	135.95	668	145.75	232
113.00	207	126.10	692	137.00	778	146.00	290
116.00	898	127.00	54181	137.70	214	147.00	1089

Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.00	2535	157.00	562	168.00	2699	178.95	3463
148.90	198	158.00	423	169.00	387	180.00	2532
149.05	471	158.95	283	171.10	96	181.00	1112
149.95	161	159.95	668	171.80	230	182.05	308
150.90	394	161.00	1375	172.00	117	183.80	338
151.85	202	161.95	436	172.95	670	185.00	1737
152.10	98	163.00	82	174.00	1120	186.00	14153
152.95	815	164.00	158	175.00	2426	187.00	4048
154.00	564	164.90	1060	175.95	485	187.90	131
155.00	1354	165.90	729	176.90	955	188.05	272
156.00	2139	166.95	4425	177.95	318	189.00	833

Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
190.00	69	199.85	485	210.30	190	222.95	1336
190.95	406	200.80	104	210.50	108	224.00	14154
191.95	1210	201.45	736	211.00	871	225.00	3364
193.00	1426	202.95	640	214.90	322	225.90	390
194.00	408	204.00	3826	215.90	581	226.95	5781
194.90	297	205.00	6287	216.95	6721	228.00	682
196.00	3038	206.00	26267	217.90	948	228.95	1213
196.60	314	206.95	2884	219.90	107	229.90	67
197.00	865	208.00	488	220.95	5089	230.95	558
197.95	108309	208.90	308	221.80	271	233.95	348
198.90	7564	209.90	111	222.10	230	235.05	307

Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.85	277	248.85	417	268.00	75	292.95	625
236.95	549	252.90	309	271.90	213	296.00	6434
238.90	259	254.05	504	272.95	1931	297.00	822
239.90	88	255.00	58197	273.95	4428	302.10	78

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ACCUTEST LABORATORIES
JB69123

240.95	319	255.95	8443	275.00	25824	302.95	920
241.95	897	256.95	655	276.00	3376	303.80	96
243.00	737	257.95	2603	276.95	1950	308.00	94
244.00	10602	258.95	450	277.95	361	313.95	441
245.00	1547	261.10	73	282.85	220	314.70	184
245.95	1961	264.90	927	284.90	153	314.95	707
246.85	495	265.85	332	292.00	67	315.85	476

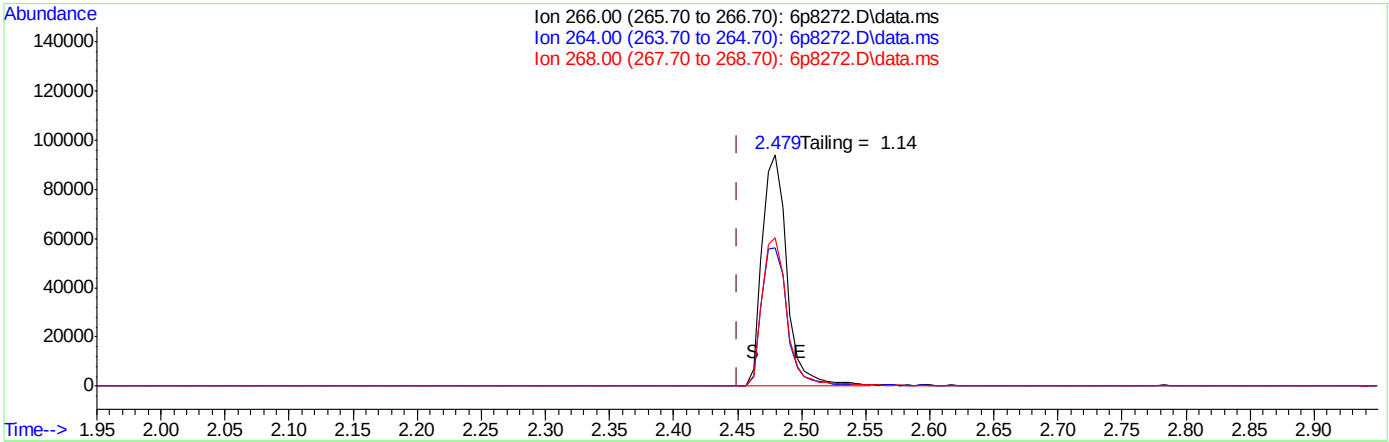
Average of 2.777 to 2.788 min.: 6p8272.D\data.ms
dftpp
Modified:subtracted

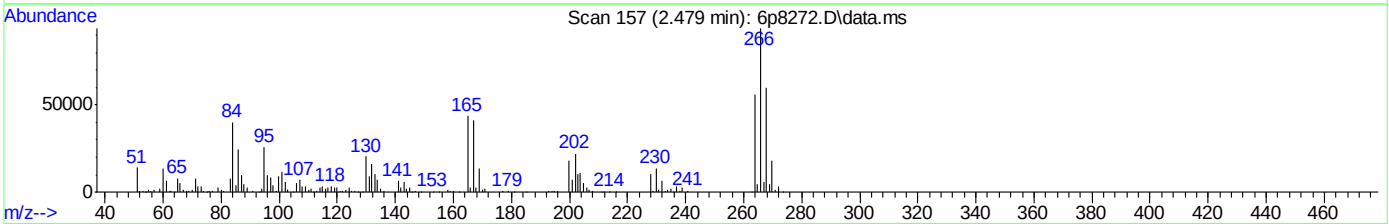
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
320.95	187	345.85	515	372.90	318	424.00	972
322.95	2356	351.95	701	382.95	365	440.95	12025
323.95	473	352.95	549	389.80	78	442.00	85371
326.90	266	353.95	688	391.00	94	443.00	16799
327.85	242	354.80	127	400.90	75	443.95	1601
331.80	88	355.00	103	401.90	583		
332.00	78	364.90	3072	402.90	913		
332.90	74	365.80	111	403.95	267		
333.95	1616	366.00	346	420.95	472		
334.85	505	370.90	96	421.90	742		
341.05	306	372.00	1186	423.00	4698		

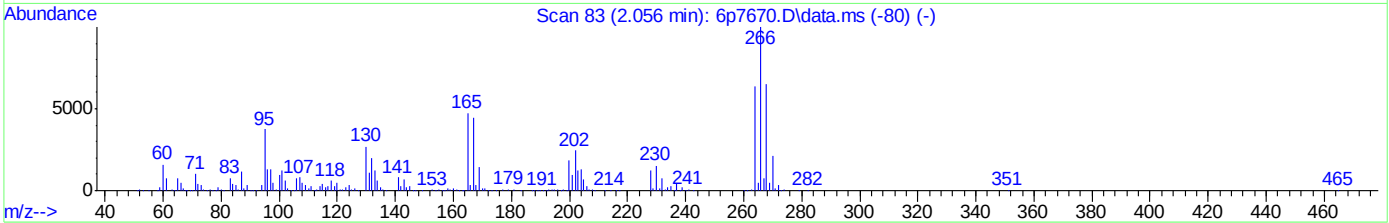
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8272.D
Acq On : 26 Jun 2014 2:55 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p357
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 15:00:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration







TIC: 6p8272.D\data.ms

(1) Pentachlorophenol

2.480min (+0.030) 77.61

response 1275980

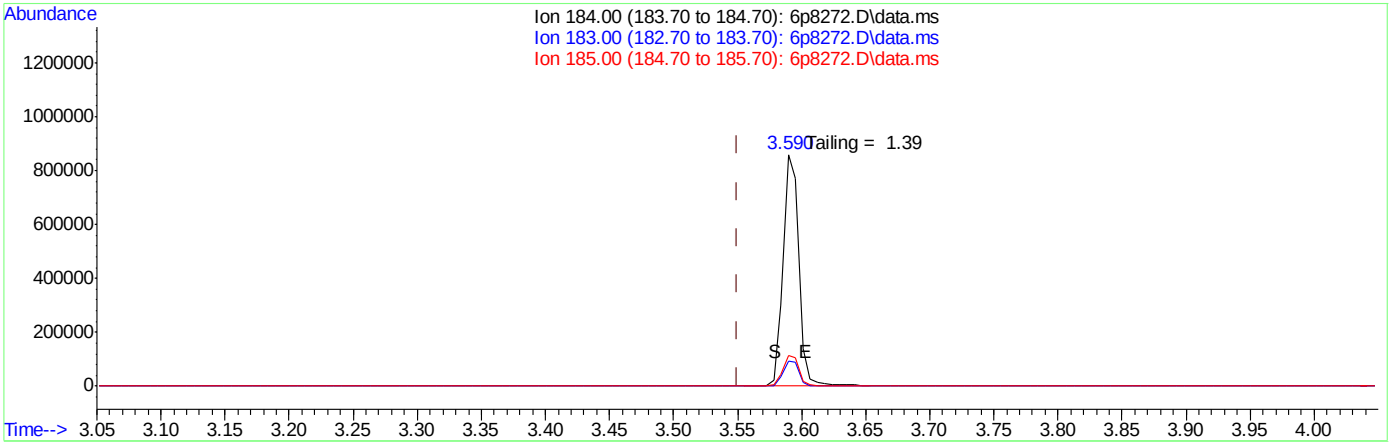
Ion	Exp%	Act%
266.00	100	100
264.00	0.00	61.86#
268.00	0.00	63.62#
0.00	0.00	0.00

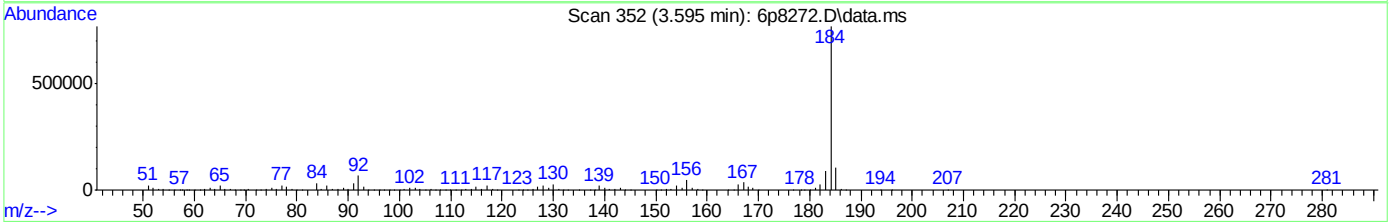
ACCUTEST LABORATORIES JB69123

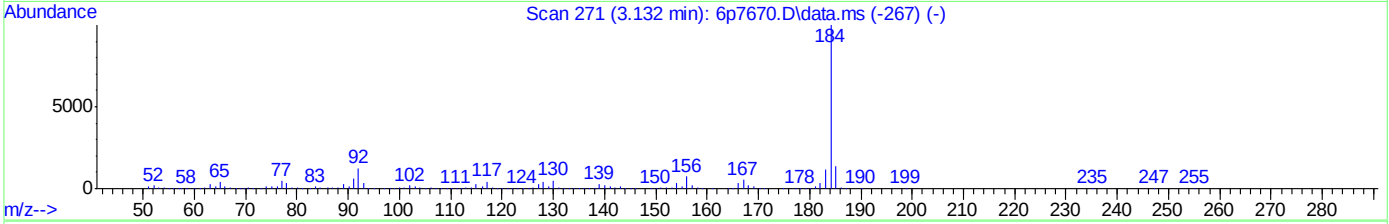
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8272.D
Acq On : 26 Jun 2014 2:55 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p357
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 15:00:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration







TIC: 6p8272.D\data.ms

(2) Benzidine

3.594min (+0.044) 83.01

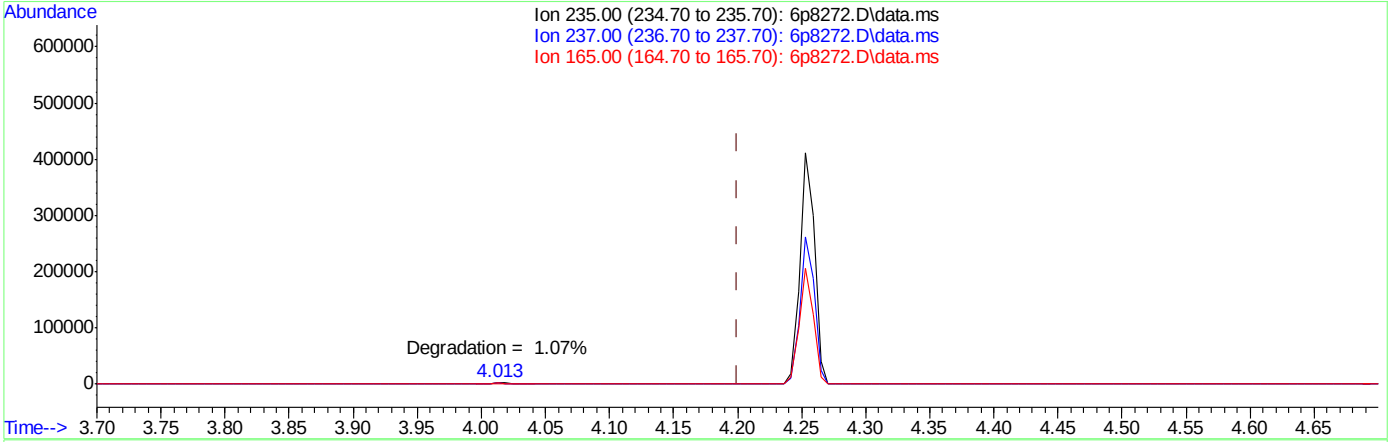
response 7405715

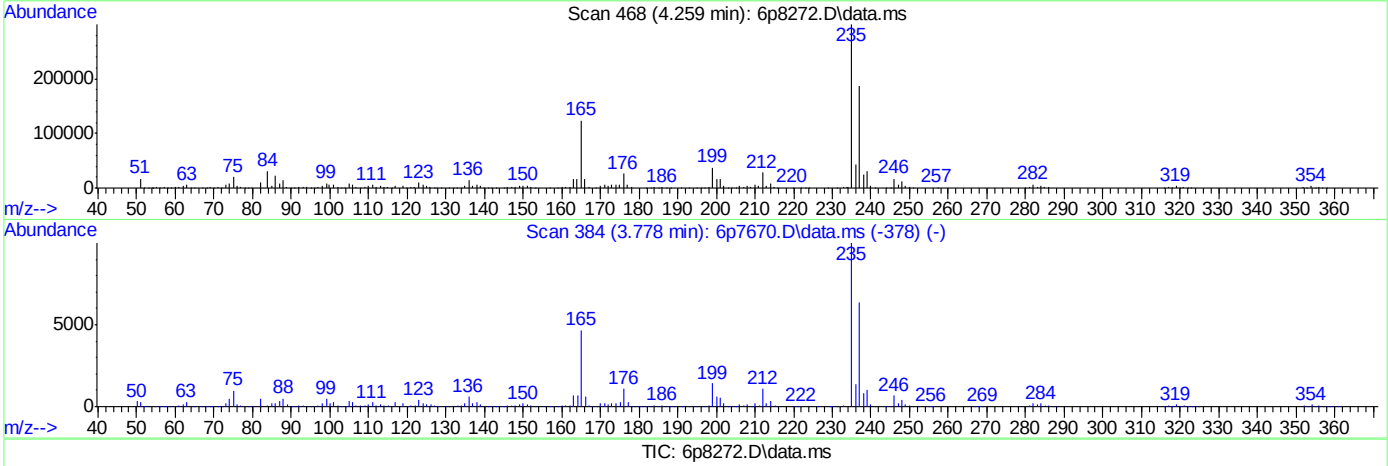
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	11.06#
185.00	0.00	13.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8272.D
Acq On : 26 Jun 2014 2:55 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p357
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 15:00:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8272.D\data.ms

(3) PP-DDT

4.257min (+0.057) 80.93

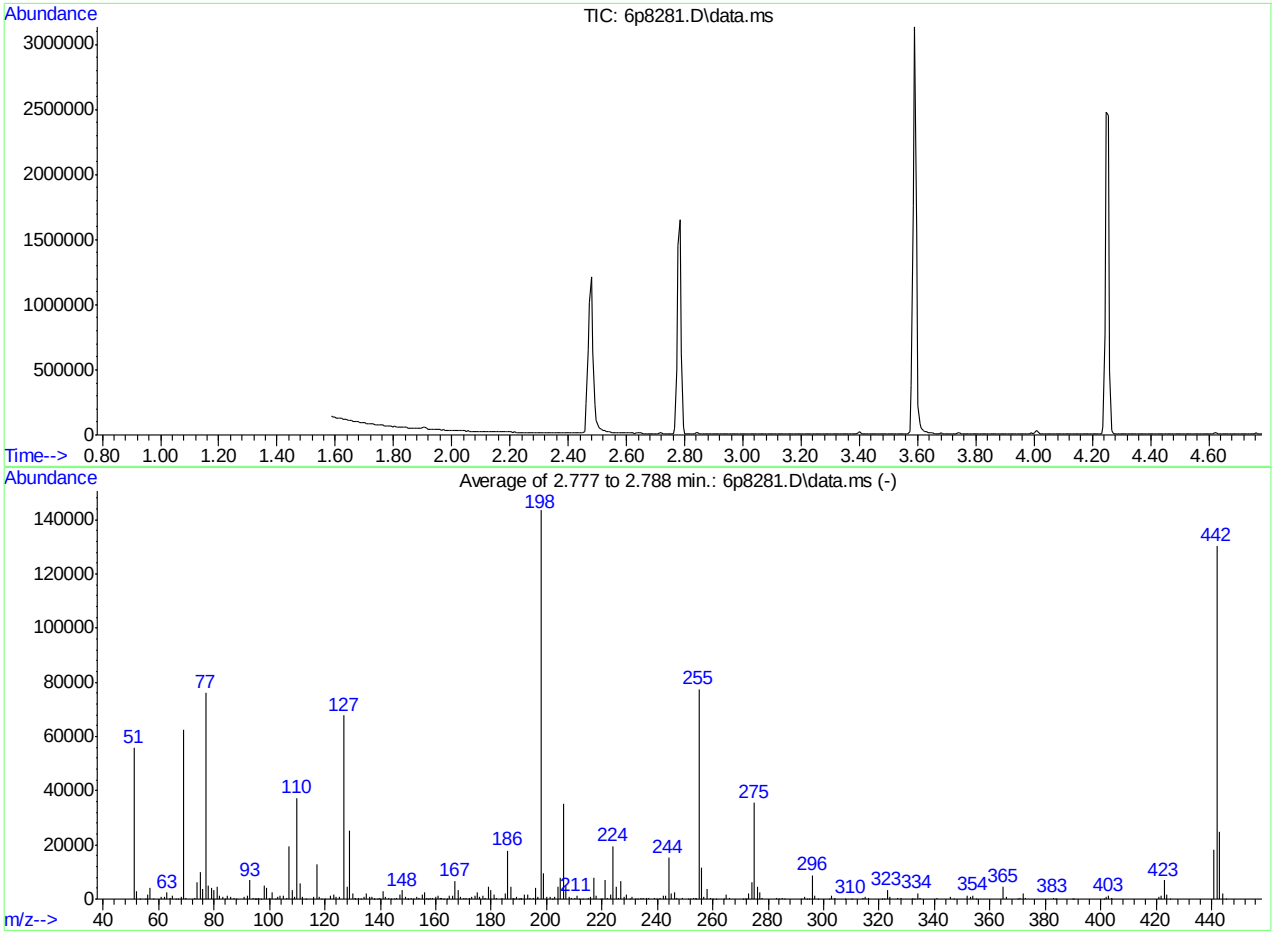
response 3209830

Ion	Exp%	Act%
235.00	100	100
237.00	0.00	63.22#
165.00	0.00	48.59#
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\e6p357\6p8281.D Vial: 1
Acq On : 26 Jun 2014 6:48 pm Operator: samtap
Sample : dftpp Inst : MS6P
Misc : op75816,e6p358 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 209, 210, 211; Background Corrected with Scan 205

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.9	55737	PASS
68	69	0.00	2	1.7	1030	PASS
69	198	0.00	100	43.5	62368	PASS
70	69	0.00	2	0.7	439	PASS
127	198	40	60	47.2	67653	PASS
197	198	0.00	1	0.5	714	PASS
198	198	100	100	100.0	143371	PASS
199	198	5	9	6.6	9456	PASS
275	198	10	30	24.8	35560	PASS
365	198	1	100	3.1	4377	PASS
441	443	0.01	100	73.9	18287	PASS
442	198	40	100	90.7	130093	PASS
443	442	17	23	19.0	24733	PASS

6p8281.D DFTPP6P.M Wed Jul 02 12:56:03 2014 RPT1

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.95	55737	64.95	1157	78.00	4927	91.00	1010
52.00	3023	65.95	154	79.00	4272	91.95	1114
53.10	68	67.10	77	80.00	3330	93.00	6858
55.05	82	68.05	1030	81.00	4681	93.95	490
56.00	1777	69.00	62368	81.95	1310	94.70	75
57.00	4190	69.95	439	82.95	1007	94.90	189
57.95	193	72.95	560	83.90	55	95.20	72
61.00	748	74.00	6121	84.90	1101	95.95	428
62.00	678	75.00	9820	85.90	754	96.95	222
63.00	2329	76.00	3671	87.00	637	98.00	5165
64.00	248	77.00	76061	87.85	88	99.00	4320

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.00	427	111.00	5728	125.00	714	136.00	765
101.00	2626	111.95	649	127.00	67653	136.95	988
102.00	93	113.00	174	128.00	4686	137.70	175
102.95	894	115.95	952	129.00	25090	137.90	138
103.95	1392	117.00	12703	130.00	2131	138.95	171
105.00	1398	118.00	982	130.80	116	139.90	238
106.05	510	118.90	70	131.00	268	141.00	2850
107.00	19604	119.95	201	131.95	290	141.95	1033
108.00	3324	121.95	1151	132.95	150	142.90	594
109.15	669	123.00	1731	133.90	718	144.00	75
110.00	37362	123.95	790	135.00	1939	144.85	161

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
145.90	517	156.00	2653	164.95	1290	175.95	692
147.00	1740	156.90	234	166.05	1123	177.00	1178
148.00	3140	157.10	175	166.95	6724	178.00	467
149.00	821	157.95	545	168.00	3393	179.00	4515
149.80	79	158.95	298	169.00	771	180.00	3307
150.00	110	159.95	1007	169.95	228	180.95	1675
151.05	434	161.00	1368	170.90	296	181.90	276
152.10	87	161.80	265	171.95	602	183.90	328
152.95	890	162.00	270	173.05	724	184.95	2145
153.95	626	162.90	76	174.00	1194	186.00	17908
155.00	1645	164.00	169	175.00	2638	187.00	4682

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
188.00	444	196.80	450	207.00	4794	219.40	71
188.20	75	197.00	714	208.00	1007	220.00	82
188.95	990	198.00	143371	208.95	321	221.00	6847
189.85	215	199.00	9456	210.05	469	221.80	294
190.80	156	199.90	725	210.95	1219	222.95	1877
190.95	391	201.45	662	211.85	187	224.00	19560
192.00	1496	202.00	126	213.10	69	225.00	4714
193.00	1790	203.00	884	214.95	288	225.95	483
193.95	498	204.00	4396	215.95	733	226.95	6783
195.05	276	205.00	8046	217.00	8025	227.90	953
196.00	4291	206.00	35328	217.90	1174	228.95	1735

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
229.85	187	241.95	1115	254.05	453	270.70	103
230.95	708	242.95	1130	255.00	77376	271.80	90
232.00	93	244.00	15165	256.00	11659	272.05	205
233.00	67	245.00	2066	256.90	790	273.00	2238

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ACCUTEST LABORATORIES JB69123

233.90	430	246.00	2481	258.00	3931	273.95	6215
235.00	505	246.95	477	259.00	636	275.00	35560
235.95	372	249.00	632	259.95	177	276.00	4679
236.95	599	250.90	68	261.00	117	277.00	2658
238.90	390	252.00	206	264.00	77	277.95	329
239.80	222	252.90	489	264.95	1842	282.90	387
240.90	335	253.70	114	265.90	323	283.90	173

Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
285.00	481	303.95	363	327.85	332	354.00	1420
285.90	79	307.80	77	331.90	88	355.05	200
291.95	201	310.00	82	332.05	156	364.95	4377
292.95	739	314.00	535	332.90	210	365.90	681
293.90	131	314.90	905	334.00	2161	370.00	102
294.90	69	316.00	638	334.95	526	370.95	332
296.00	8794	321.00	172	340.95	352	372.00	1890
296.95	1397	322.00	73	345.90	845	373.00	565
297.90	88	323.00	3321	346.90	74	382.95	560
302.00	99	324.00	789	351.95	1094	383.70	82
302.95	1124	326.85	541	352.85	673	383.85	174

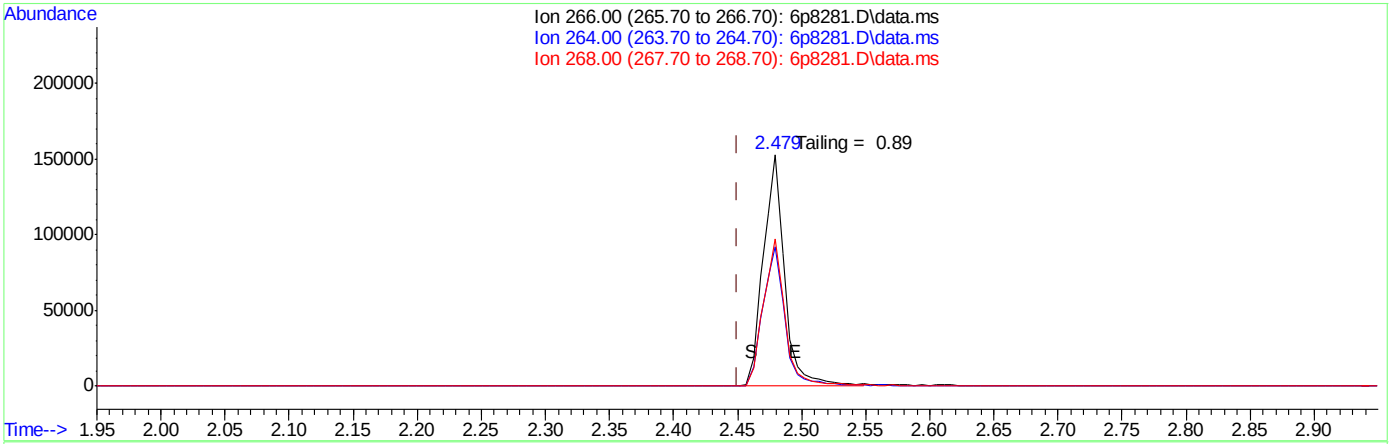
Average of 2.777 to 2.788 min.: 6p8281.D\data.ms
dftpp
Modified:subtracted

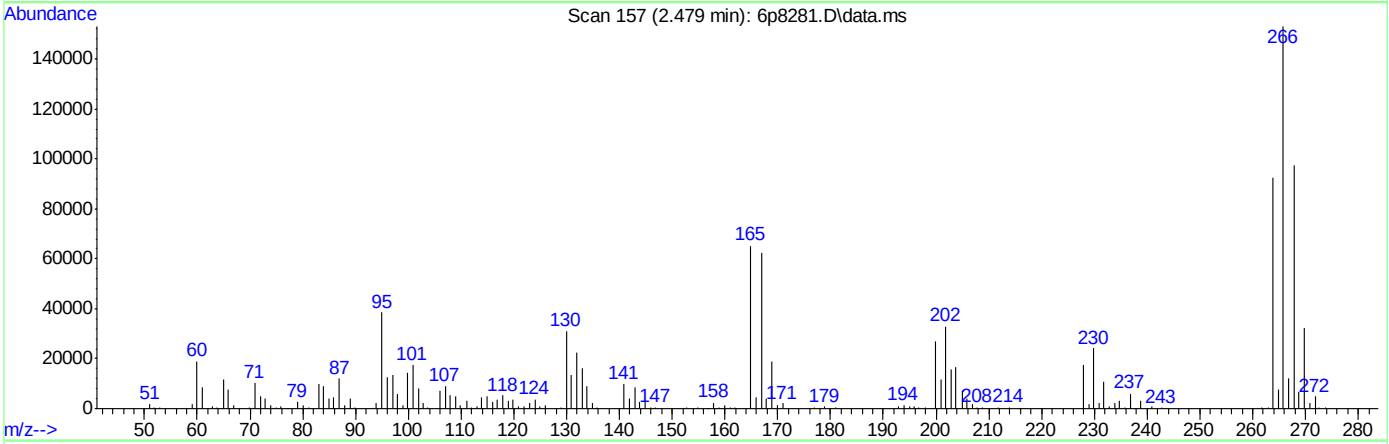
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
389.90	98	441.00	18287				
390.10	69	442.00	130093				
401.00	94	443.00	24733				
402.00	949	444.00	2188				
402.95	1154	445.10	86				
403.95	329						
420.90	994						
422.00	1079						
423.00	6866						
423.95	1620						
425.10	177						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8281.D
Acq On : 26 Jun 2014 6:48 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:54:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8281.D\data.ms

(1) Pentachlorophenol

2.481min (+0.031) 106.39

response 1749108

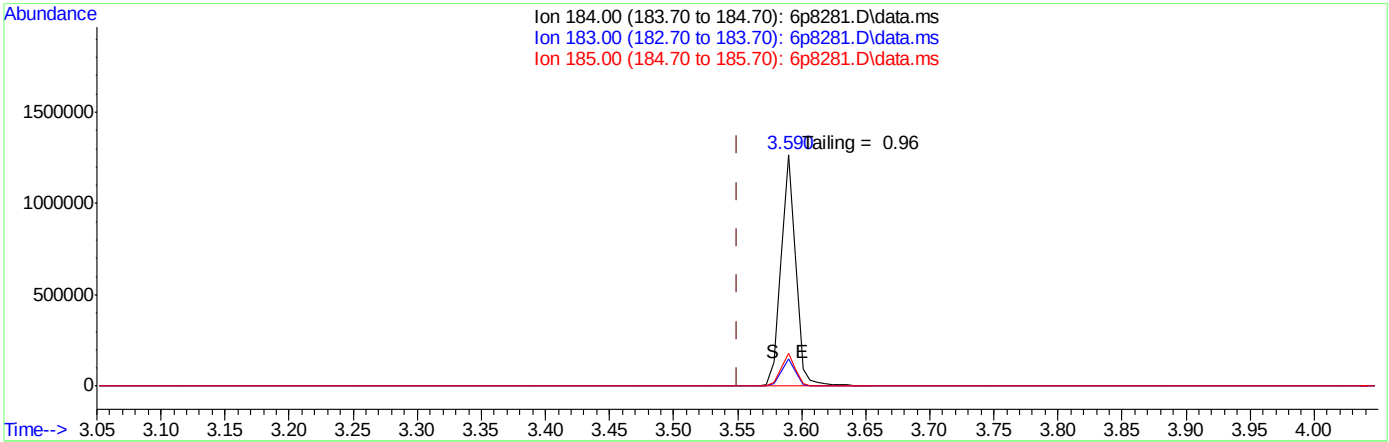
Ion	Exp%	Act%
266.00	100	100
264.00	0.00	63.59#
268.00	0.00	64.59#
0.00	0.00	0.00

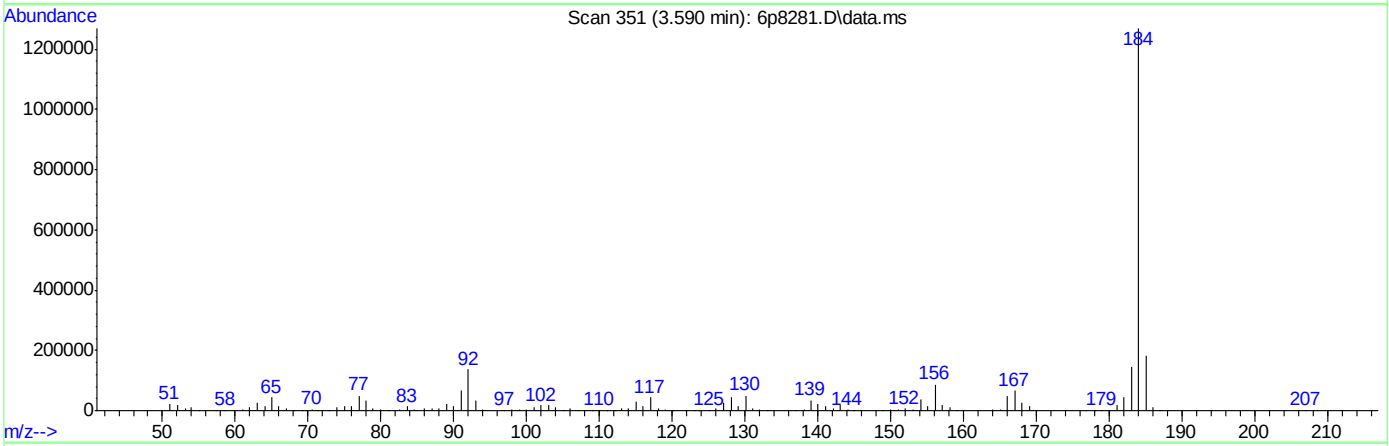
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8281.D
Acq On : 26 Jun 2014 6:48 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:54:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8281.D\data.ms

(2) Benzidine

3.592min (+0.042) 114.37

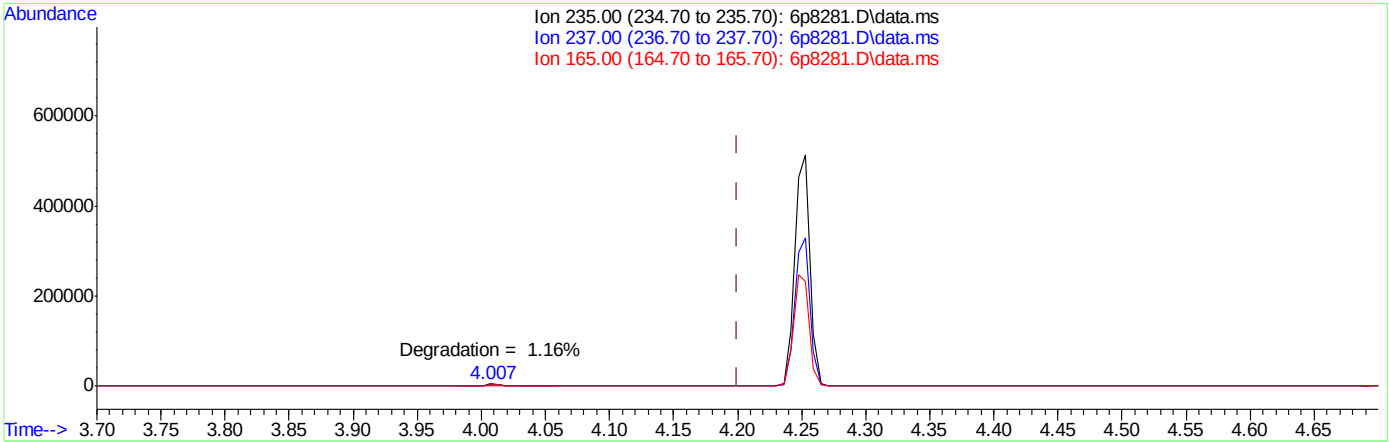
response 10203543

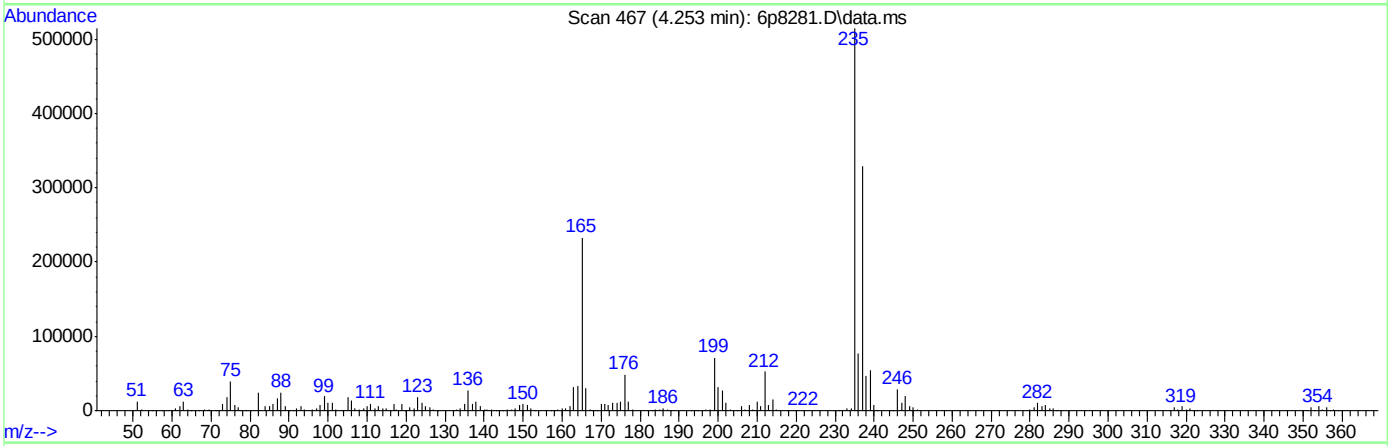
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	11.12#
185.00	0.00	13.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8281.D
Acq On : 26 Jun 2014 6:48 pm
Operator : samtap
Sample : dftpp
Misc : op75816,e6p358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:54:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8281.D\data.ms

(3) PP-DDT

4.253min (+0.053) 106.52

response 4224835

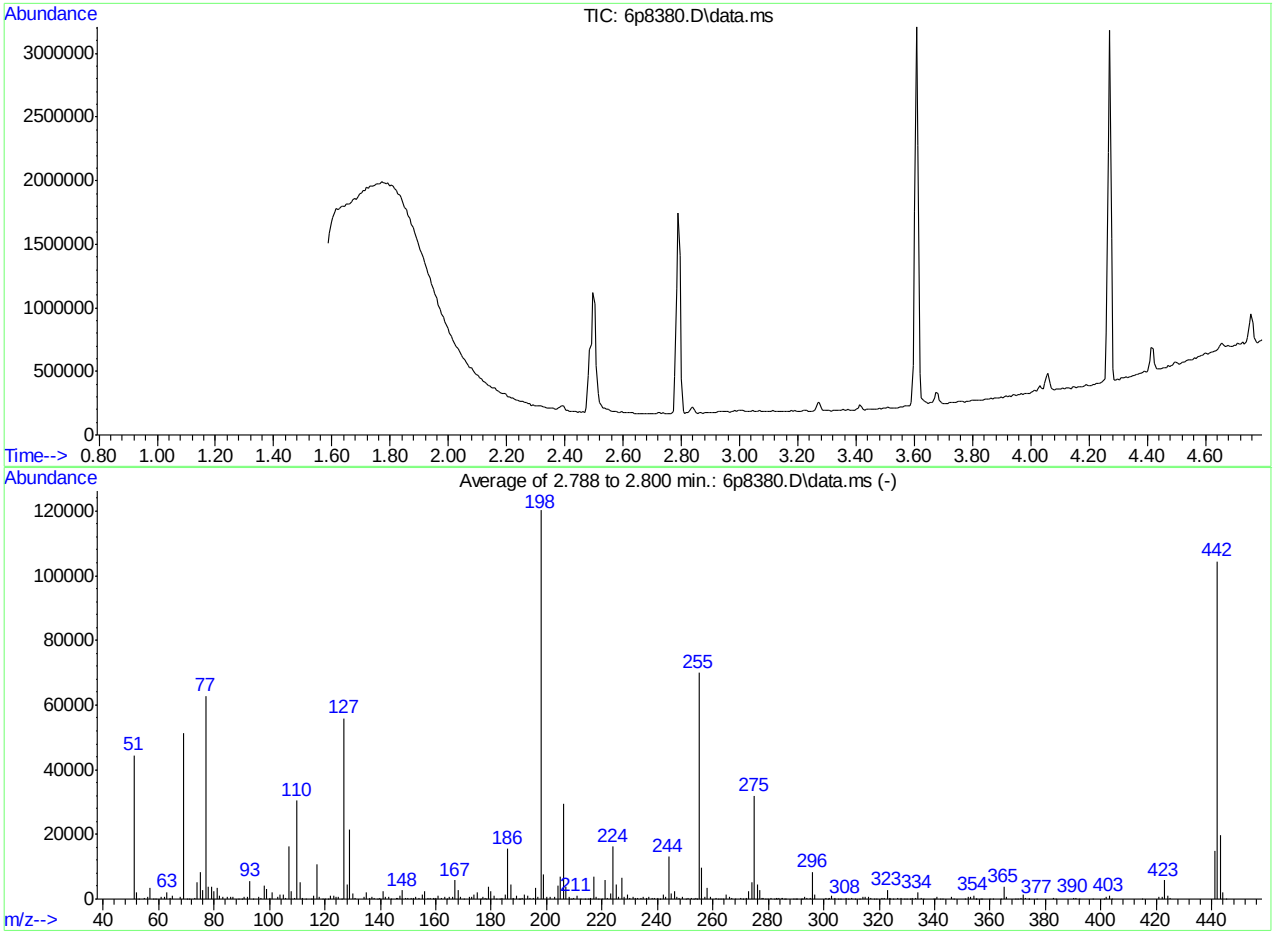
Ion	Exp%	Act%
235.00	100	100
237.00	0.00	64.07#
165.00	0.00	49.24#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

DFTPP

Data File : C:\msdchem\1\DATA\e6p362\6p8380.D Vial: 1
Acq On : 1 Jul 2014 9:38 am Operator: ashleyd
Sample : dftpp Inst : MS6P
Misc : op75816,e6p362 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 211, 212, 213; Background Corrected with Scan 203

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.0	44446	PASS
68	69	0.00	2	1.1	568	PASS
69	198	0.00	100	42.8	51451	PASS
70	69	0.00	2	0.2	120	PASS
127	198	40	60	46.5	55897	PASS
197	198	0.00	1	0.7	801	PASS
198	198	100	100	100.0	120165	PASS
199	198	5	9	6.5	7782	PASS
275	198	10	30	26.5	31865	PASS
365	198	1	100	3.1	3712	PASS
441	443	0.01	100	75.0	14907	PASS
442	198	40	100	86.9	104405	PASS
443	442	17	23	19.0	19877	PASS

6p8380.D DFTPP6P.M Mon Jul 07 09:39:16 2014 RPT1

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	44446	64.05	209	78.00	3921	90.90	835
52.00	2227	64.95	886	79.00	3707	91.95	614
53.00	54	67.95	568	79.95	2514	93.00	5704
55.00	211	68.95	51451	81.00	3400	94.00	146
56.00	745	70.00	120	81.90	1054	95.95	539
57.00	3554	71.00	34	83.00	622	97.00	219
58.00	95	73.00	318	84.95	568	98.00	4228
58.95	14	74.00	5109	85.90	657	98.95	3283
60.90	591	74.95	8476	86.95	611	100.00	376
61.95	719	76.00	2957	88.90	75	101.00	2119
63.00	2106	77.00	62780	89.90	67	102.95	719

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.95	1310	116.00	1103	126.95	55897	139.90	309
105.00	1232	117.00	10821	128.00	4388	141.00	2419
105.95	402	117.90	658	129.00	21395	141.95	735
107.00	16453	119.00	95	129.90	1677	143.00	691
108.00	2384	119.95	132	131.00	475	143.95	33
109.00	313	121.05	29	134.00	819	145.90	363
110.00	30394	122.00	908	135.00	1942	146.10	236
111.00	5121	123.00	1171	135.95	484	146.95	1051
112.00	426	123.90	625	137.00	855	147.95	2670
112.90	145	125.00	726	137.95	189	149.00	365
114.95	105	126.10	181	139.00	165	150.05	247

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
151.10	348	160.95	1011	173.00	574	183.10	27
151.85	454	162.00	454	173.95	1414	183.95	487
152.90	540	163.10	535	175.00	2141	184.95	1480
153.90	477	164.00	21	176.00	105	185.95	15444
155.00	1570	165.00	869	176.90	817	187.00	4377
156.00	2370	165.95	814	178.00	402	187.90	8
157.10	264	166.95	5857	178.20	135	188.10	395
157.95	476	167.95	2640	178.95	3900	188.95	980
159.00	283	169.00	637	179.95	2544	189.90	73
159.20	127	170.10	149	181.00	1131	190.30	125
159.95	474	172.00	641	182.00	129	191.05	493

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	1541	204.00	4330	215.00	127	226.00	627
193.00	1005	205.00	6979	215.95	490	227.00	6494
194.00	287	206.00	29314	216.90	6911	227.95	760
195.05	333	207.00	3778	218.00	782	229.00	1426
196.00	3467	208.00	833	218.80	94	230.00	378
197.00	801	208.20	166	220.00	80	231.00	648
197.90	120165	208.95	38	221.00	6008	231.95	229
198.90	7782	209.95	427	222.00	390	233.00	300
199.95	656	210.95	881	223.00	1764	233.90	523
201.25	652	212.00	128	223.95	16250	234.95	570
202.95	746	214.00	98	225.00	4683	236.00	384

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
237.00	601	247.95	341	258.00	3506	271.00	2
238.05	220	248.95	722	258.95	696	272.00	290
238.95	255	250.05	177	261.00	260	272.95	2562
239.95	358	251.00	420	262.00	85	274.00	5330

DFTPP6P.M Mon Jul 07 09:38:02 2014 RPT1 Page: 4

241.05	173	252.05	195	262.80	71	275.00	31865
242.00	1255	253.00	176	263.40	78	276.00	4437
242.95	612	253.90	448	264.95	1302	277.00	2756
244.00	13019	254.10	102	265.85	769	277.80	195
245.00	1759	255.00	69925	266.95	306	278.05	367
246.00	2523	256.00	9619	268.10	95	278.95	29
246.90	595	256.90	873	270.00	254	279.90	84

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
281.05	273	290.10	161	302.95	975	316.00	706
282.05	50	291.90	176	304.00	265	316.95	304
282.85	357	292.10	72	305.10	74	318.10	68
283.10	79	292.95	656	306.00	83	319.00	68
283.95	304	294.00	209	307.90	237	321.05	358
284.90	220	294.95	355	309.00	79	322.00	261
285.05	415	296.00	8431	309.95	191	323.00	2917
286.00	78	296.90	1285	311.10	169	323.70	96
286.20	70	300.95	200	313.00	185	324.00	211
289.00	0	301.70	69	313.95	615	324.90	91
289.80	77	302.00	210	314.90	841	326.80	380

Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
327.95	341	340.95	580	356.80	93	372.90	308
329.00	68	341.95	146	357.00	95	373.90	80
329.90	70	342.90	69	360.00	70	374.10	70
331.10	72	345.95	794	361.10	91	377.00	72
331.95	394	346.80	121	364.00	85	382.70	256
333.00	451	350.80	96	364.90	3712	383.00	336
333.95	1952	352.00	873	365.90	726	383.90	130
335.00	461	353.00	813	369.20	70	390.00	427
336.00	153	354.00	1088	369.90	74	390.85	257
339.80	78	354.80	155	371.05	309	392.00	78
340.20	77	355.00	187	371.95	1480	397.00	82

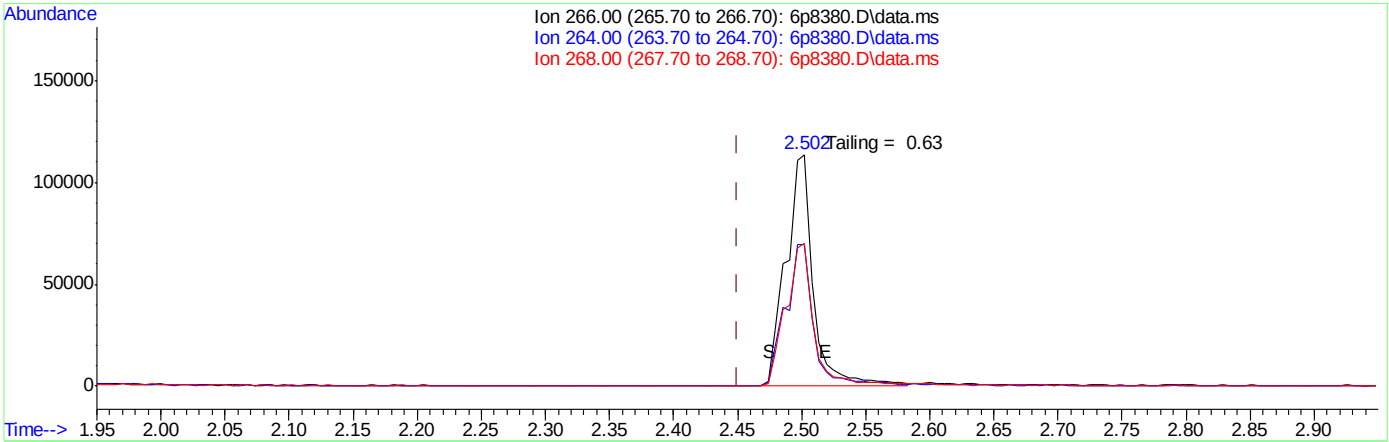
Average of 2.788 to 2.800 min.: 6p8380.D\data.ms
dftpp
Modified:subtracted

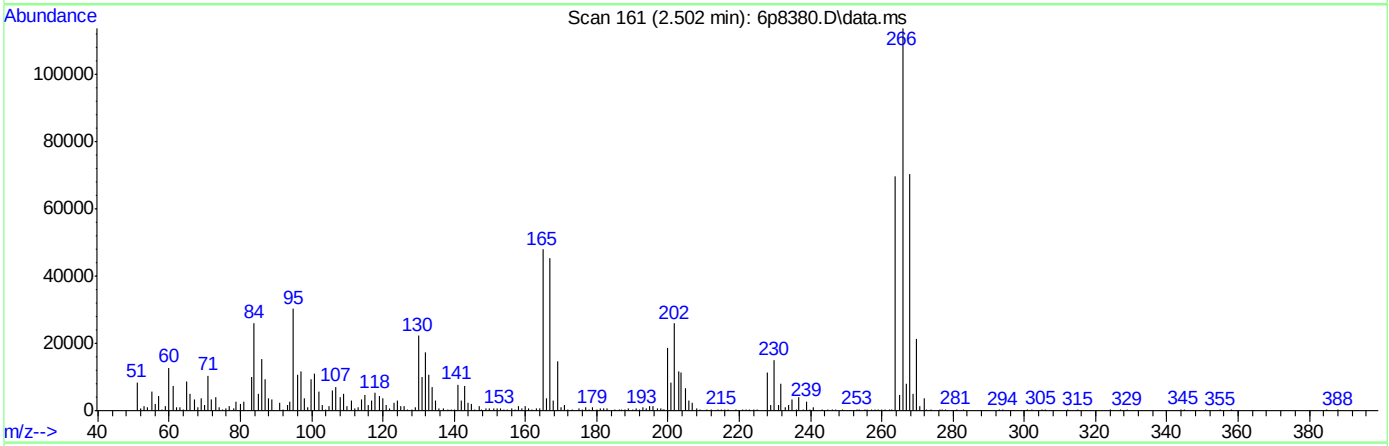
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
401.00	95	442.00	104405				
401.90	859	443.00	19877				
402.95	985	443.95	1923				
403.95	144	445.00	103				
414.70	78						
420.95	879						
421.95	820						
422.95	5759						
424.00	1217						
424.95	192						
441.00	14907						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8380.D
Acq On : 1 Jul 2014 9:38 am
Operator : ashleyd
Sample : dftpp
Misc : op75816,e6p362
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 09:43:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8380.D\data.ms

(1) Pentachlorophenol

2.502min (+0.052) 104.17

response 1712581

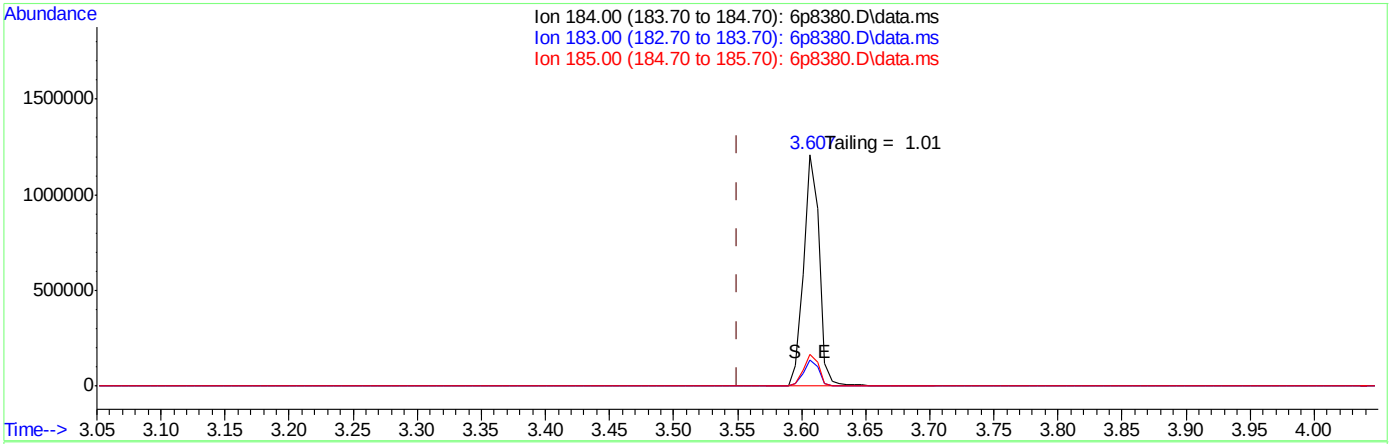
Ion	Exp%	Act%
266.00	100	100
264.00	0.00	62.20#
268.00	0.00	59.66#
0.00	0.00	0.00

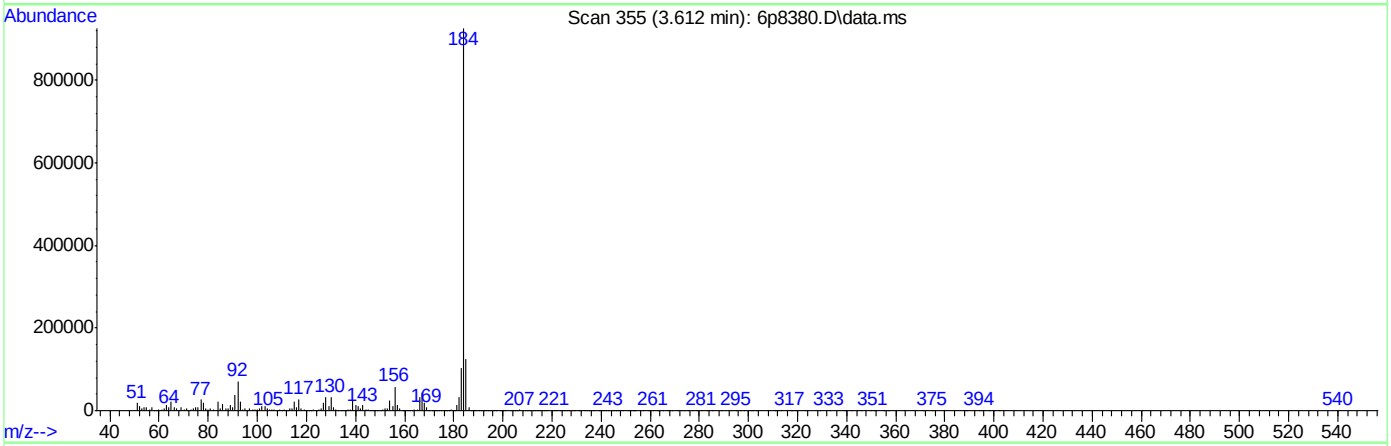
ACCUTEST LABORATORIES
JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8380.D
Acq On : 1 Jul 2014 9:38 am
Operator : ashleyd
Sample : dftpp
Misc : op75816,e6p362
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 09:43:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8380.D\data.ms

(2) Benzidine

3.610min (+0.060) 115.48

response 10302703

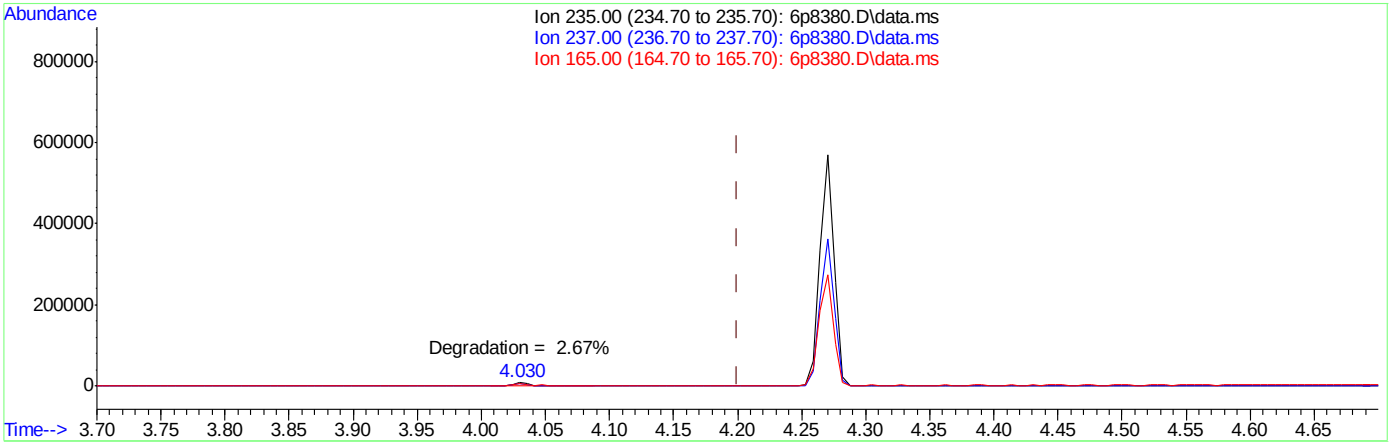
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	11.08#
185.00	0.00	13.53#
0.00	0.00	0.00

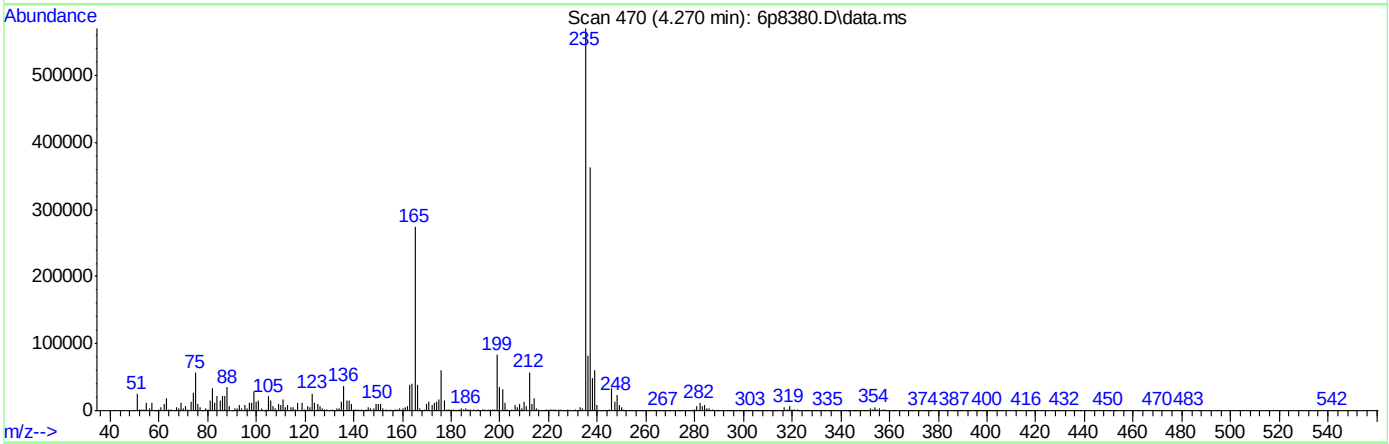
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8380.D
Acq On : 1 Jul 2014 9:38 am
Operator : ashleyd
Sample : dftpp
Misc : op75816,e6p362
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 09:43:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jun 04 08:53:31 2014
Response via : Initial Calibration





TIC: 6p8380.D\data.ms

(3) PP-DDT

4.272min (+0.072) 107.67

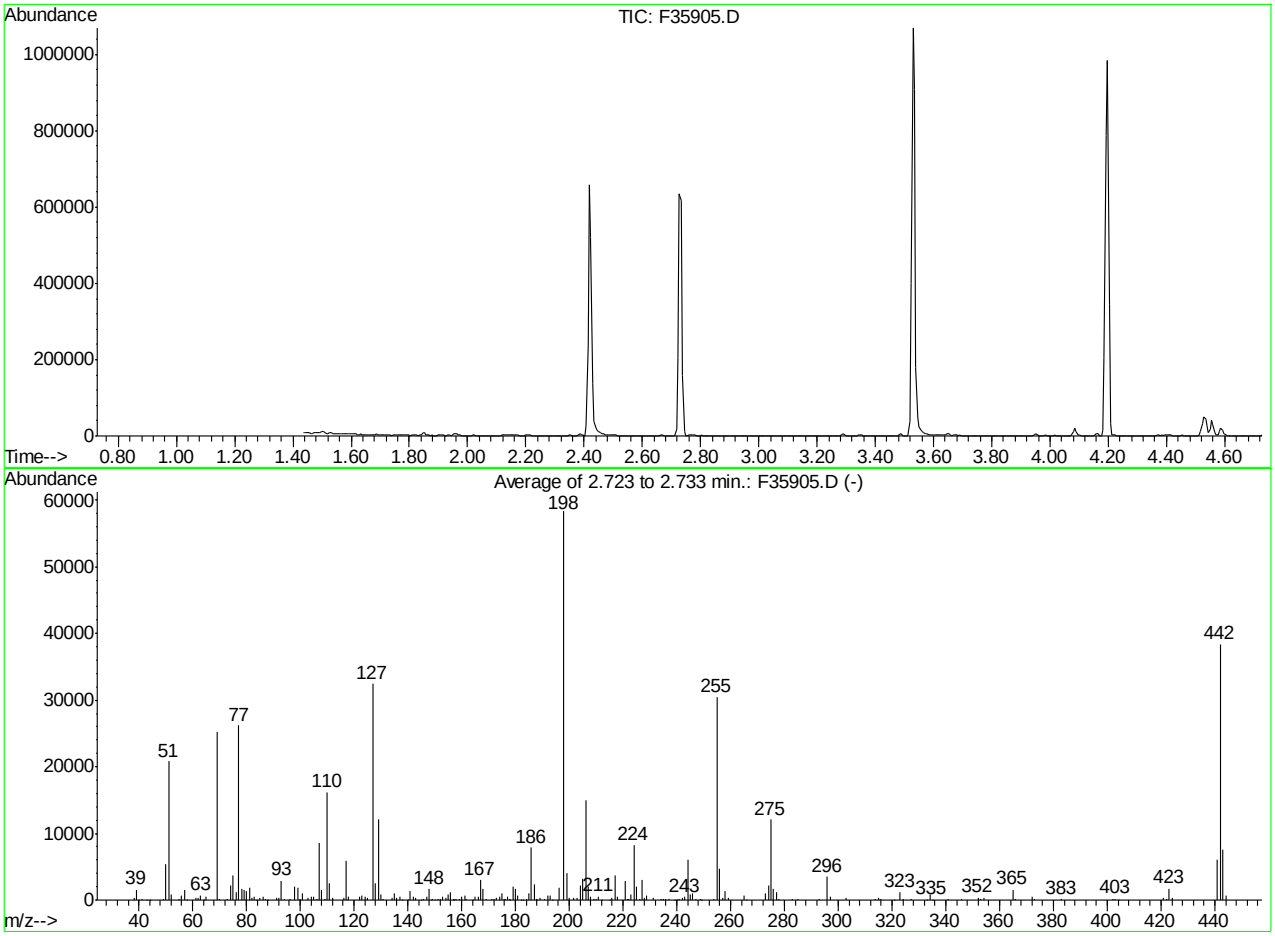
response 4270265

Ion	Exp%	Act%
235.00	100	100
237.00	0.00	63.62#
165.00	0.00	48.85#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF5692\F35905.D Vial: 1
Acq On : 11 Jun 2014 8:23 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 242, 243, 244; Background Corrected with Scan 238

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.7	20813	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	25234	PASS
70	69	0.00	2	0.6	143	PASS
127	198	40	60	55.5	32378	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	58298	PASS
199	198	5	9	6.9	4043	PASS
275	198	10	30	20.8	12104	PASS
365	198	1	100	2.7	1588	PASS
441	443	0.10	100	78.8	5976	PASS
442	198	40	100	65.8	38349	PASS
443	442	17	23	19.8	7588	PASS

F35905.D DFTPPF.M Thu Jun 12 08:50:15 2014 RT1

Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	317	56.00	662	74.10	2218	85.00	337
39.05	1517	57.05	1539	75.05	3686	86.05	519
40.10	60	58.00	61	76.10	1191	87.05	257
41.10	108	61.10	296	77.10	26199	88.00	66
43.00	55	62.05	298	78.10	1761	91.05	403
44.00	53	63.05	714	79.05	1572	92.00	394
49.00	125	64.10	72	80.00	1360	93.00	2947
50.10	5384	65.10	458	81.05	1853	94.00	203
51.10	20813	69.00	25234	81.95	387	96.10	159
52.10	914	70.05	143	83.00	469	98.00	2103
55.05	186	73.05	249	83.90	38	99.00	1853

Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.00	160	112.05	267	130.00	916	145.10	64
101.00	1043	116.05	398	131.00	189	145.95	250
103.00	421	117.00	5841	134.00	285	147.00	559
104.00	582	117.95	474	135.05	933	148.00	1652
105.05	514	122.05	485	136.00	341	148.90	63
106.05	216	123.05	730	137.05	439	149.05	246
107.00	8541	124.00	467	138.10	51	150.00	50
108.05	1465	124.95	335	139.90	67	151.05	182
109.00	101	127.00	32378	141.00	1356	152.00	107
110.00	16209	128.00	2560	142.05	545	152.95	441
111.00	2446	129.00	12070	143.05	324	153.95	356

Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
155.00	820	166.05	472	176.95	543	187.00	2436
156.00	1221	167.00	2958	177.70	60	187.90	55
156.90	146	168.00	1684	178.05	175	188.05	202
157.10	85	169.05	220	178.95	2012	188.95	372
158.00	188	171.05	112	180.00	1637	190.95	250
158.95	187	172.00	212	181.00	710	192.00	642
160.05	443	173.00	343	181.90	63	193.00	652
161.05	708	174.05	564	182.90	52	193.80	54
161.85	181	175.05	939	184.10	179	196.05	1845
164.00	69	175.95	231	185.05	1015	198.00	58298
165.05	549	176.20	167	186.00	7840	199.00	4043

Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
200.00	262	211.90	75	226.10	196	241.00	143
201.50	371	215.00	64	227.00	3114	242.05	406
203.00	301	216.00	314	227.95	416	243.05	455
204.00	2143	217.00	3769	228.95	657	244.10	6050
205.05	3263	218.05	507	231.10	303	245.05	849
206.10	14950	221.00	2847	234.00	187	246.00	1081
207.05	2051	221.70	104	235.00	223	247.05	200
208.00	501	221.90	237	236.00	130	248.90	105
209.05	199	223.05	874	236.95	250	249.10	60
209.90	95	224.10	8285	239.00	59	253.90	118
210.95	570	225.05	2061	240.00	70	255.00	30495

Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.00	4764	278.00	220	323.10	1193	365.00	1588
257.05	337	283.00	93	324.05	256	365.95	183
258.00	1368	285.10	218	326.95	212	372.10	556
259.00	298	293.00	214	333.00	75	373.05	161

265.05	594	296.00	3501	334.00	783	383.00	96
266.00	54	297.05	441	335.00	87	402.00	161
273.00	934	302.95	359	341.05	138	403.00	225
274.00	2165	313.95	163	345.95	240	404.00	65
275.00	12104	315.00	408	352.00	340	421.05	288
276.00	1723	316.05	231	352.95	168	422.05	205
277.05	1144	321.00	68	354.00	412	423.00	1701

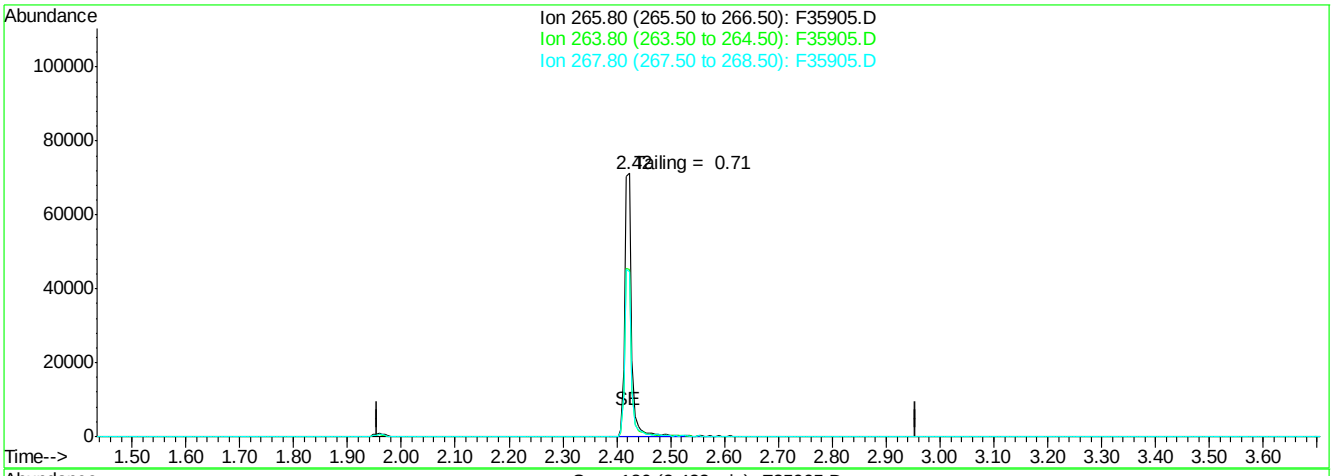
Average of 2.723 to 2.733 min.: F35905.D
dftpp
Modified:subtracted

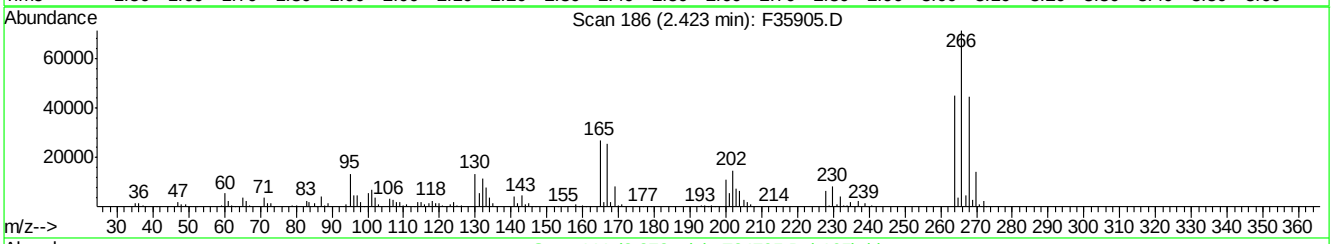
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.05	277						
441.00	5976						
442.05	38349						
443.00	7588						
444.05	746						

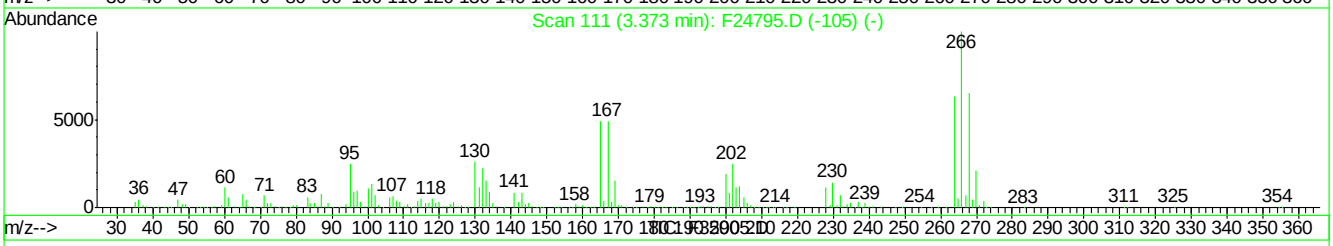
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35905.D Vial: 1
Acq On : 11 Jun 2014 8:23 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 11 20:33 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration







(1) Pentachlorophenol (t)

2.42min 34.16ppb

response 63493

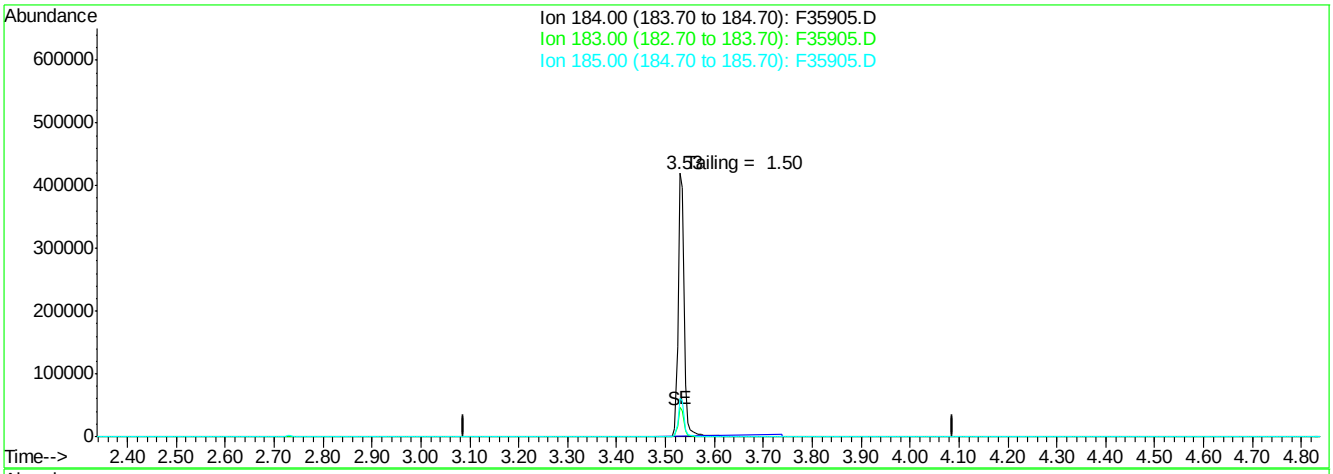
Ion	Exp%	Act%
265.80	100	100
263.80	63.00	63.46
267.80	64.80	62.64
0.00	0.00	0.00

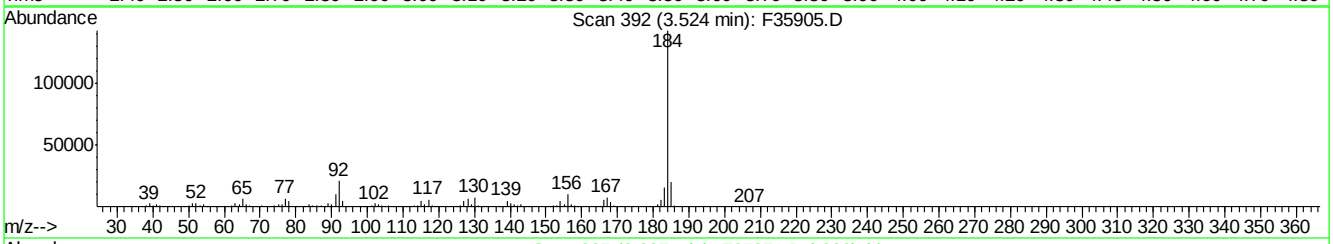
F35905.D DFTPPF.M Thu Jun 12 08:50:35 2014 RT1

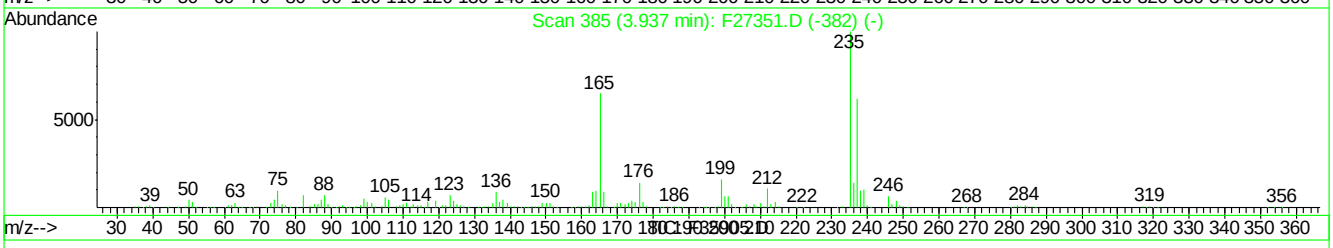
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35905.D Vial: 1
Acq On : 11 Jun 2014 8:23 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 11 20:33 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration







(2) Benzidine (t)

3.53min 19.16ppb

response 358976

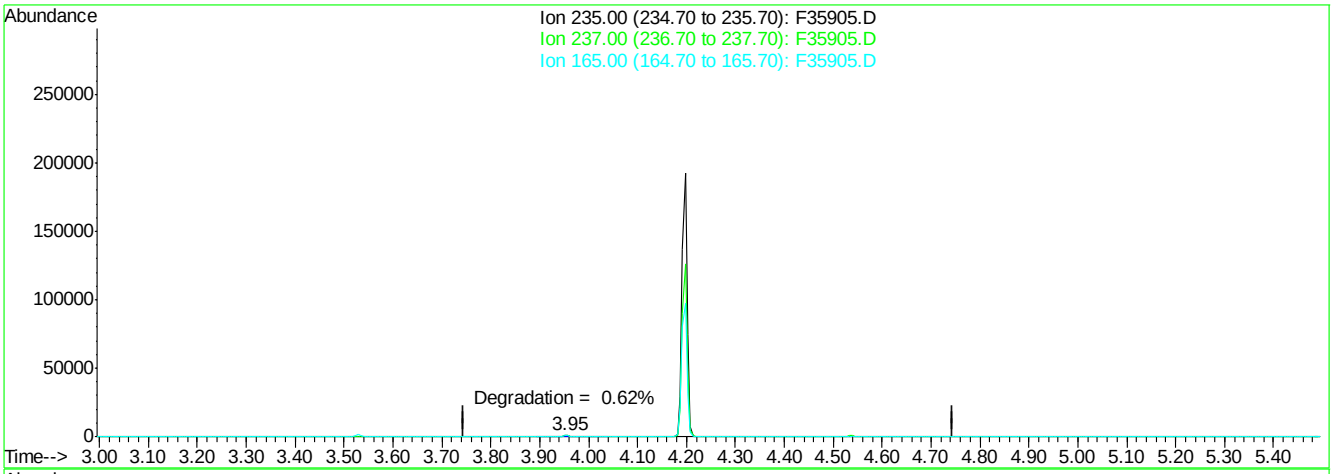
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	10.83
185.00	16.20	14.31
0.00	0.00	0.00

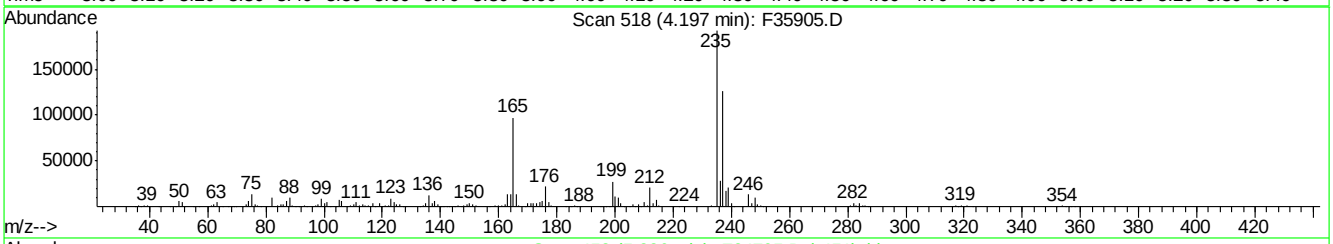
F35905.D DFTPPF.M Thu Jun 12 08:50:43 2014 RT1

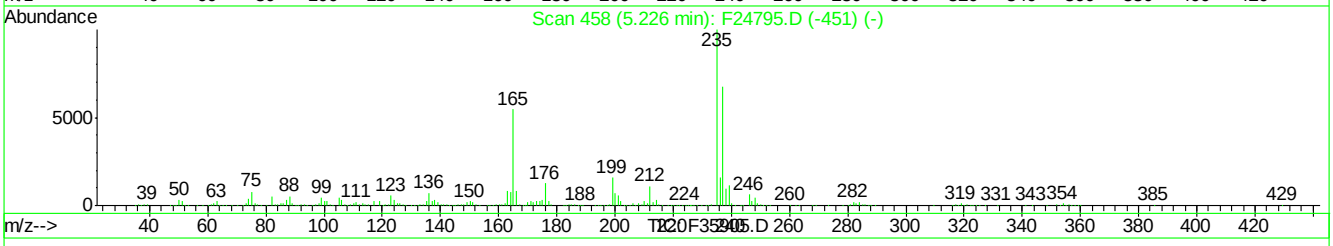
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35905.D Vial: 1
Acq On : 11 Jun 2014 8:23 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 11 20:33 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Single Level Calibration







(3) ddt (t)

4.20min 9.16ppb

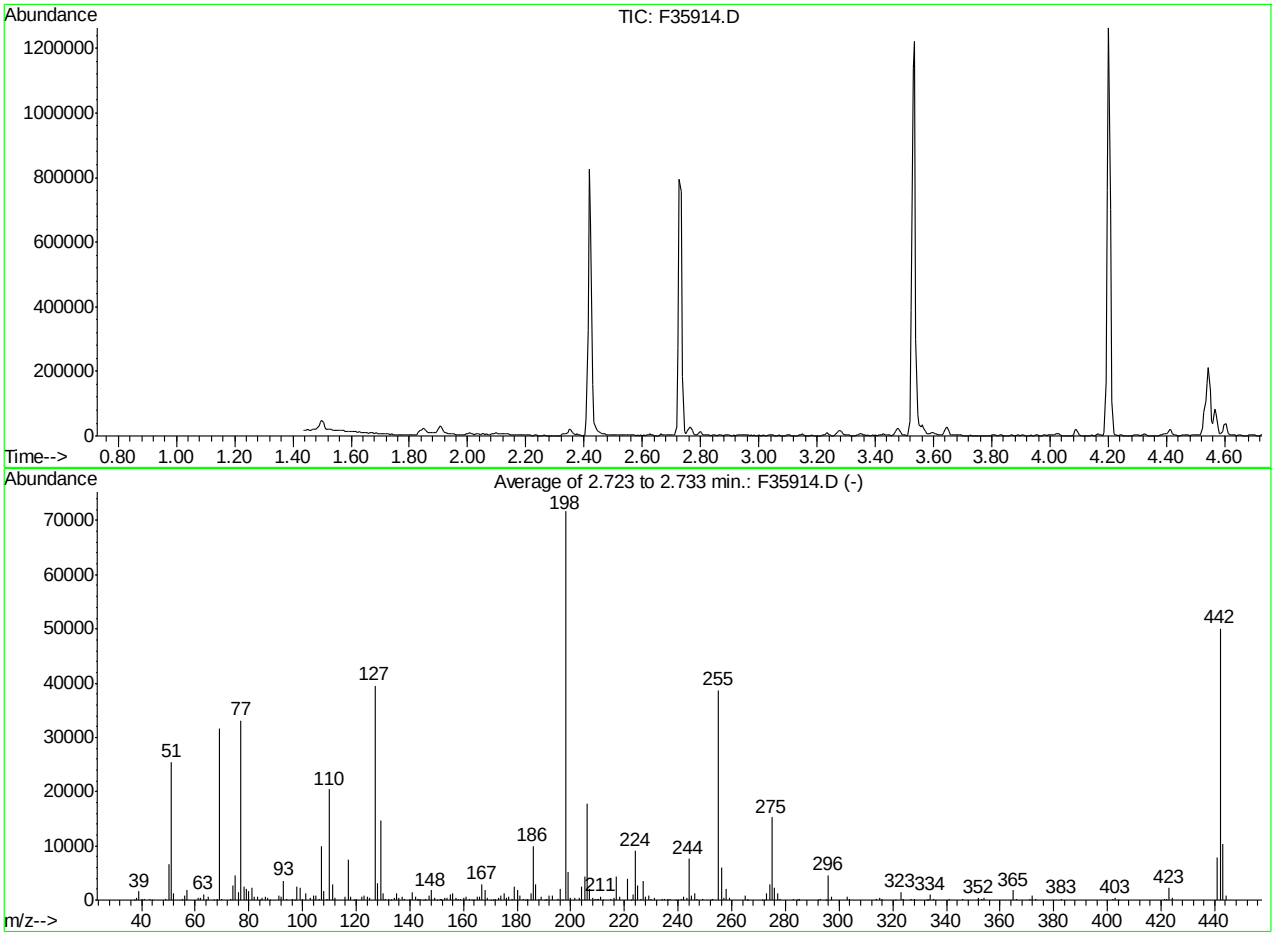
response 142174

Ion	Exp%	Act%
235.00	100	100
237.00	66.70	65.48
165.00	59.50	52.98
0.00	0.00	0.00

F35905.D DFTPPF.M Thu Jun 12 08:50:51 2014 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF5693\F35914.D Vial: 1
Acq On : 12 Jun 2014 8:50 am Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 242, 243, 244; Background Corrected with Scan 238

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.6	25505	PASS
68	69	0.00	2	0.8	254	PASS
69	198	0.00	100	44.2	31648	PASS
70	69	0.00	2	0.5	153	PASS
127	198	40	60	55.2	39592	PASS
197	198	0.00	1	0.1	54	PASS
198	198	100	100	100.0	71669	PASS
199	198	5	9	7.1	5085	PASS
275	198	10	30	21.3	15287	PASS
365	198	1	100	2.6	1838	PASS
441	443	0.10	100	77.5	7950	PASS
442	198	40	100	69.9	50114	PASS
443	442	17	23	20.5	10255	PASS

F35914.D DFTPPF.M Thu Jun 12 11:16:47 2014 RT1

Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	61	55.05	275	70.00	153	83.05	584
38.10	414	56.10	766	73.05	291	84.00	68
39.10	1639	57.05	1808	74.10	2732	85.00	448
40.00	152	61.05	334	75.05	4624	86.05	668
41.05	227	62.05	380	76.10	1427	87.05	440
43.05	156	63.10	1066	77.05	33141	88.00	81
44.00	12	64.00	62	78.10	2518	91.05	784
49.05	277	65.05	625	79.00	2078	92.05	572
50.10	6634	67.10	54	80.00	1660	93.00	3540
51.10	25505	68.05	254	81.00	2209	94.00	265
52.10	1311	69.00	31648	82.00	660	96.05	158

Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	64	109.10	143	124.00	534	136.05	385
98.00	2485	110.00	20386	125.05	463	137.05	671
99.00	2212	111.05	2935	127.00	39592	138.05	134
100.05	285	112.00	451	128.05	3014	140.05	156
101.00	1239	115.95	578	129.00	14616	141.05	1535
103.00	425	117.00	7552	130.05	1285	142.05	576
104.00	781	118.00	597	131.00	299	142.80	78
105.00	883	119.10	62	132.05	154	143.00	298
106.05	226	119.95	129	132.80	51	143.95	143
107.00	10025	122.00	565	134.00	349	144.90	65
108.00	1667	123.05	909	135.00	1194	145.95	303

Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.05	873	157.95	249	169.05	353	180.00	1777
148.00	1831	159.05	215	170.10	62	181.05	887
149.05	429	160.05	479	171.00	64	182.05	152
150.10	77	160.95	714	172.00	266	183.10	67
151.15	285	162.05	255	173.00	384	184.00	206
151.95	156	163.00	68	174.05	798	185.00	1180
153.05	517	164.00	74	175.00	1350	186.00	9964
154.05	426	165.00	572	176.05	491	187.05	2909
155.00	987	166.00	537	176.95	608	188.05	244
156.10	1308	167.00	2911	178.10	213	189.00	624
157.15	333	168.00	1781	179.00	2435	190.00	53

Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
191.05	268	204.00	2460	216.00	347	229.00	741
192.05	778	205.05	4277	217.00	4404	229.95	156
193.00	900	206.10	17831	218.00	571	231.05	383
195.05	125	207.00	2159	221.00	3890	233.95	270
196.00	2146	208.00	509	222.20	55	235.00	302
196.70	54	209.00	186	223.00	1096	235.95	134
198.00	71669	210.00	112	224.10	9088	237.00	252
198.95	5085	210.30	242	225.05	2632	239.00	85
200.00	426	211.15	669	226.00	257	240.05	105
201.55	413	211.90	92	227.00	3608	241.00	186
202.95	459	215.00	168	228.00	574	242.00	541

Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.10	506	258.00	2004	277.00	1230	303.05	550
244.10	7580	259.00	372	277.95	204	304.00	119
245.05	904	265.00	744	283.00	145	314.05	187
246.00	1232	265.80	73	284.00	82	315.00	391

246.90	224	266.00	96	284.90	52	316.00	241
249.00	292	271.10	54	285.05	177	321.00	102
252.10	58	272.10	51	292.10	61	323.00	1477
252.95	209	273.00	1175	293.00	268	324.05	290
255.00	38756	274.00	2998	294.90	83	327.00	268
256.00	5970	275.00	15287	296.00	4575	328.00	211
257.05	454	276.00	2219	296.95	584	332.80	67

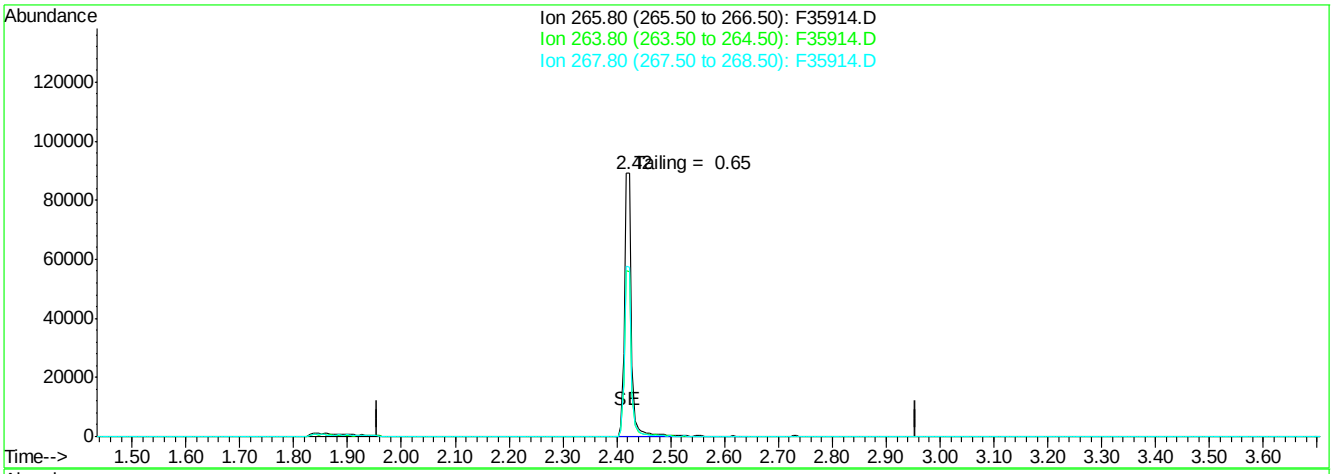
Average of 2.723 to 2.733 min.: F35914.D
dftpp
Modified:subtracted

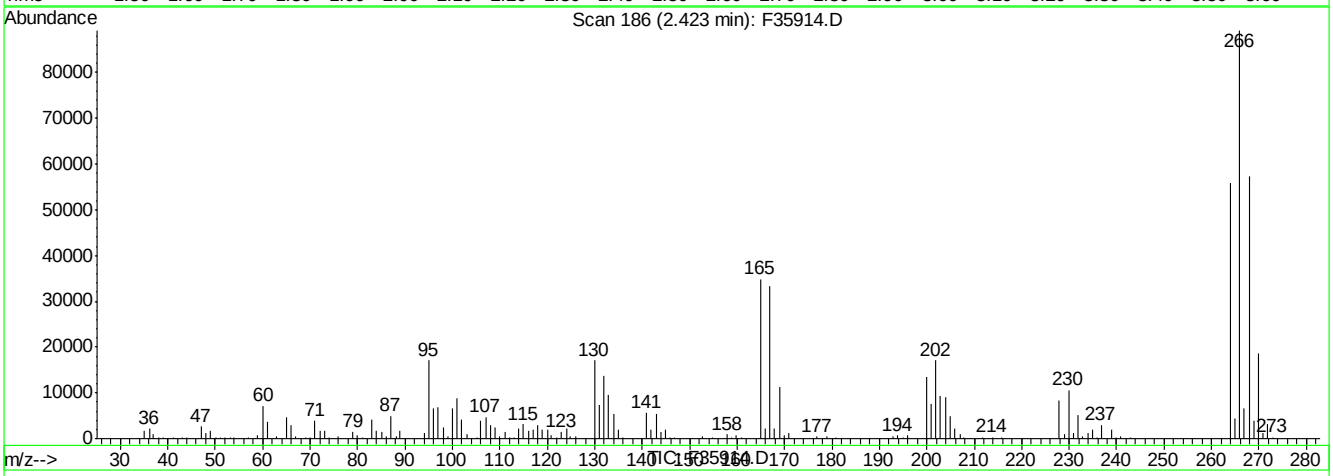
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
333.00	68	372.05	749	442.00	50114		
334.00	1012	373.00	161	443.00	10255		
335.00	194	382.95	223	444.05	918		
341.05	183	402.00	248				
346.00	309	402.95	415				
352.05	328	403.90	77				
353.05	253	421.05	287				
354.05	384	422.00	315				
365.00	1838	423.00	2261				
366.00	230	424.00	512				
371.05	122	441.00	7950				

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35914.D Vial: 1
Acq On : 12 Jun 2014 8:50 am Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 12 8:56 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

2.42min 43.60ppb

response 81054

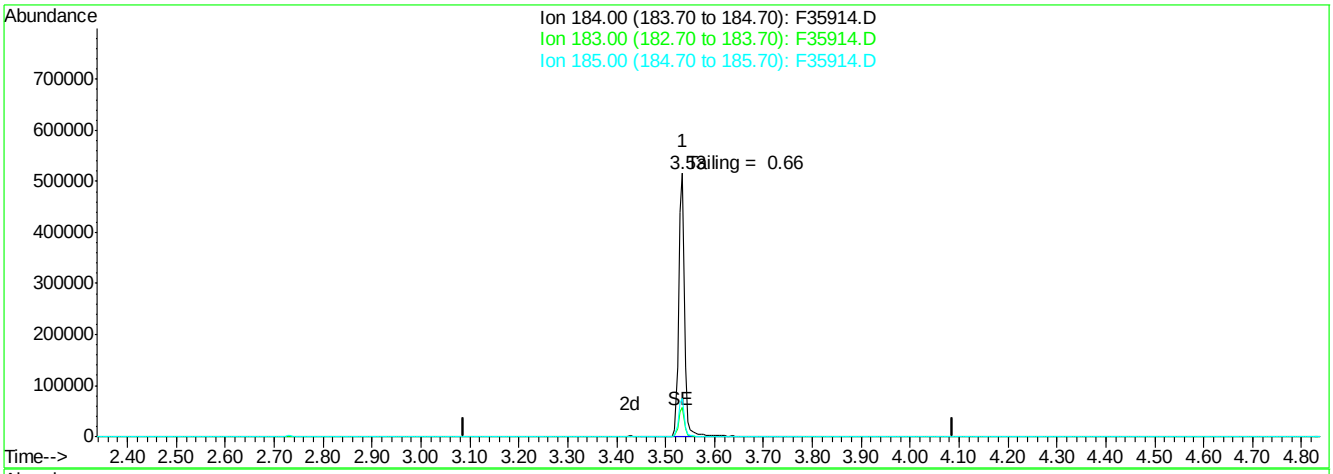
Ion	Exp%	Act%
265.80	100	100
263.80	63.00	62.65
267.80	64.80	64.27
0.00	0.00	0.00

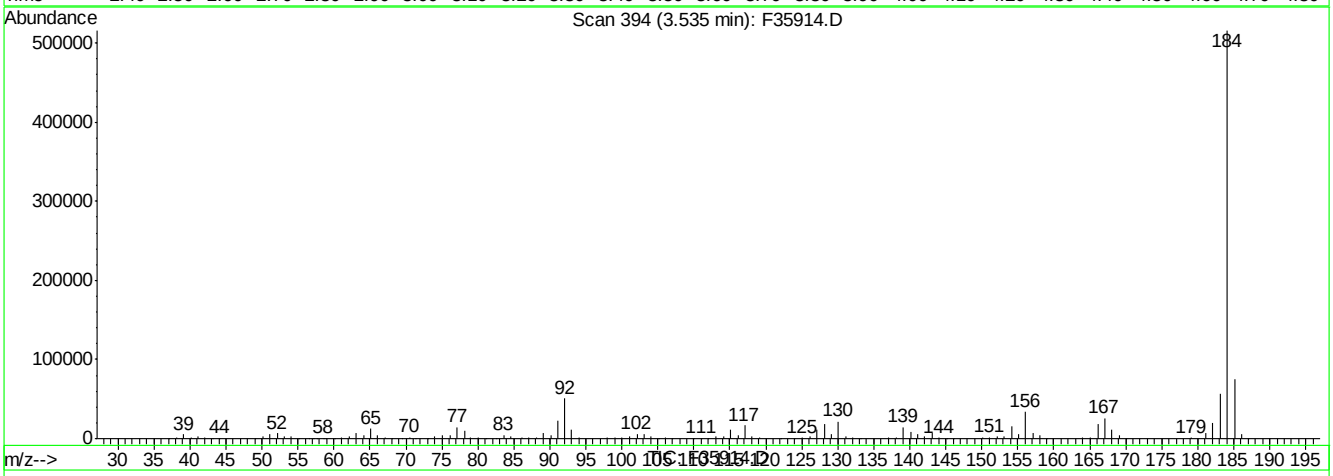
F35914.D DFTPPF.M Thu Jun 12 11:16:53 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35914.D Vial: 1
Acq On : 12 Jun 2014 8:50 am Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 12 8:56 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(2) Benzidine (t)

3.53min 22.65ppb

response 424392

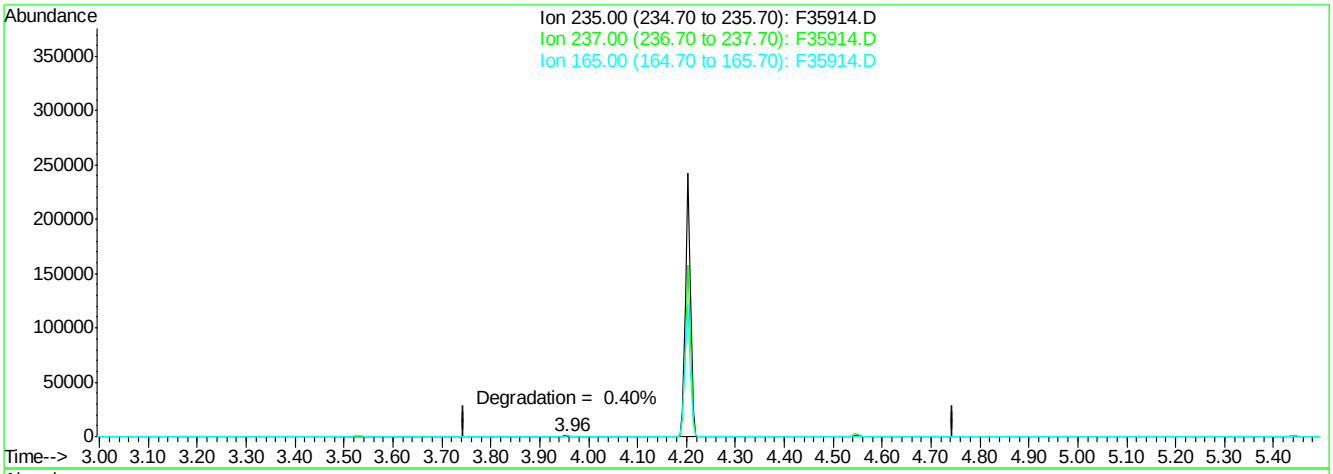
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	11.01
185.00	16.20	14.82
0.00	0.00	0.00

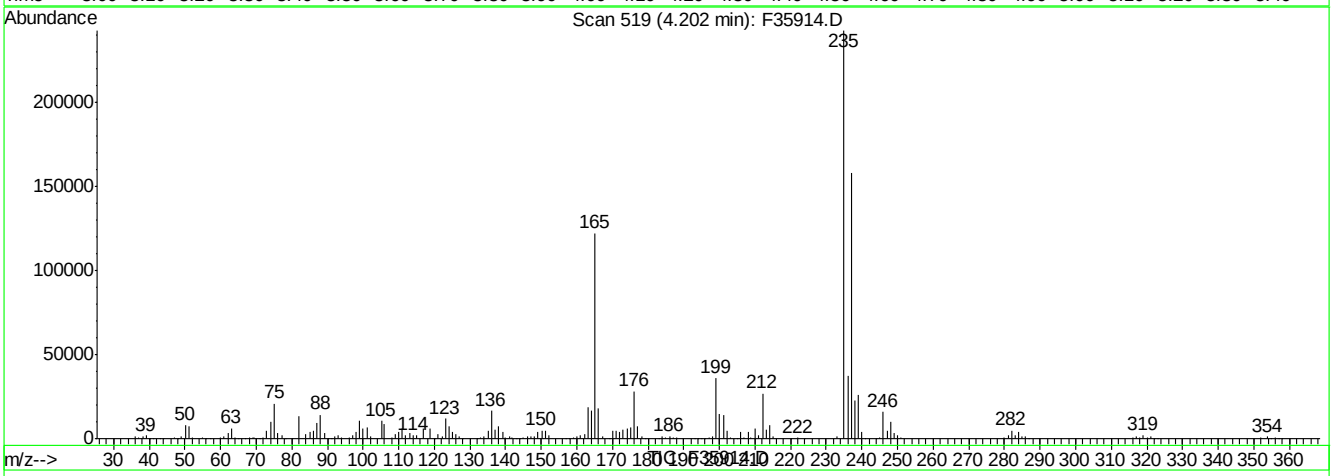
F35914.D DFTPPF.M Thu Jun 12 11:17:00 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35914.D Vial: 1
Acq On : 12 Jun 2014 8:50 am Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 12 8:56 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Single Level Calibration





(3) ddt (t)

4.20min 11.70ppb

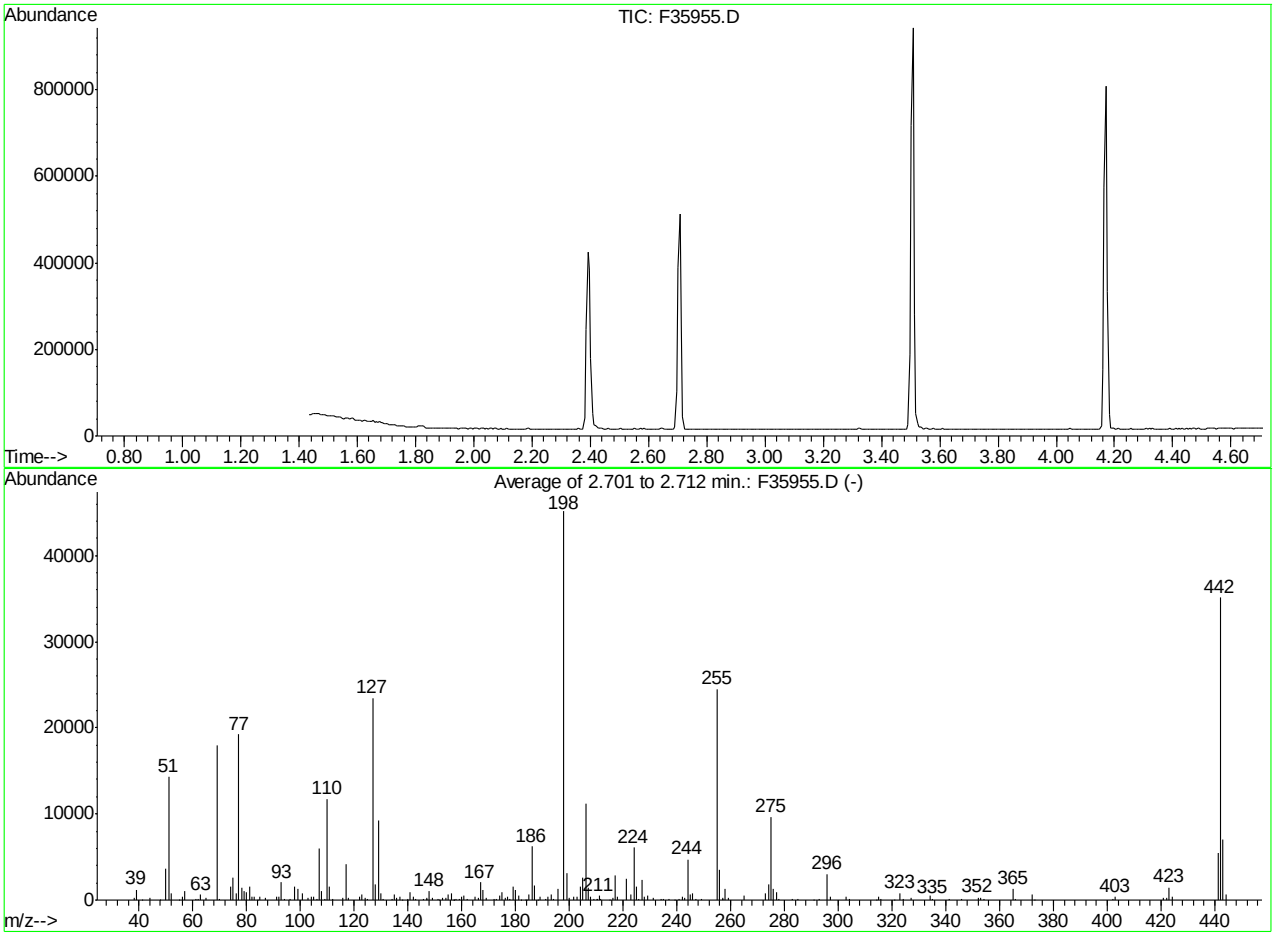
response 181741

Ion	Exp%	Act%
235.00	100	100
237.00	66.70	65.63
165.00	59.50	51.78
0.00	0.00	0.00

F35914.D DFTPPF.M Thu Jun 12 11:17:07 2014 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF5695\F35955.D Vial: 1
Acq On : 13 Jun 2014 7:31 am Operator: elwiraa
Sample : dftpp Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 238, 239, 240; Background Corrected with Scan 233

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.6	14273	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.8	17948	PASS
70	69	0.00	2	0.7	121	PASS
127	198	40	60	52.1	23496	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	45120	PASS
199	198	5	9	6.9	3091	PASS
275	198	10	30	21.5	9685	PASS
365	198	1	100	2.8	1281	PASS
441	443	0.10	100	77.6	5493	PASS
442	198	40	100	77.9	35133	PASS
443	442	17	23	20.2	7083	PASS

F35955.D DFTPPF.M Fri Jun 13 13:28:50 2014 RT1

Average of 2.701 to 2.712 min.: F35955.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	259	61.00	188	79.10	1111	94.05	127
39.10	1181	62.10	173	80.00	949	96.05	125
41.05	53	63.05	631	81.05	1560	98.00	1592
44.00	232	65.10	323	82.00	362	99.00	1268
48.00	5	69.00	17948	83.00	433	101.00	747
50.10	3591	69.95	121	84.00	53	103.05	212
51.05	14273	74.10	1591	85.00	406	104.00	442
52.10	795	75.05	2625	87.00	239	105.00	400
55.10	15	76.10	842	91.10	371	106.10	75
56.05	419	77.10	19225	92.00	350	107.05	6016
57.10	1048	78.10	1390	93.00	2028	108.00	982

Average of 2.701 to 2.712 min.: F35955.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
109.10	102	127.00	23496	141.00	931	154.00	211
110.00	11726	128.00	1803	142.00	416	155.00	651
111.00	1606	129.00	9222	143.00	181	156.10	830
112.05	174	130.00	846	146.00	147	156.90	64
116.00	296	131.00	77	146.90	174	157.10	52
117.00	4218	134.00	90	147.10	281	157.90	176
118.05	323	135.00	615	148.00	1083	158.95	133
122.00	357	136.00	230	149.00	279	160.00	331
123.05	602	137.05	390	151.05	164	161.00	467
124.00	204	138.00	54	151.70	66	162.05	106
125.05	168	140.00	111	152.95	299	165.00	364

Average of 2.701 to 2.712 min.: F35955.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.05	293	179.00	1525	191.10	86	205.10	2549
167.00	2051	180.00	1168	192.00	435	206.10	11245
168.00	1194	181.05	544	193.10	647	207.10	1407
169.05	267	182.00	50	194.00	94	208.05	427
172.00	148	183.90	68	196.00	1311	209.00	142
173.00	191	184.10	57	198.00	45120	210.20	71
174.00	527	185.05	697	199.00	3091	210.50	126
175.00	865	186.10	6217	200.05	221	211.10	494
176.10	276	187.05	1646	201.50	335	211.60	79
177.00	400	188.10	63	203.00	336	215.00	50
178.05	129	189.05	344	204.05	1539	216.05	240

Average of 2.701 to 2.712 min.: F35955.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.00	2859	234.00	134	249.00	80	276.00	1344
218.05	366	234.90	94	255.00	24490	277.00	872
221.05	2446	237.05	141	256.00	3535	277.95	120
223.00	604	239.10	57	256.90	102	283.05	108
224.05	6112	240.90	117	257.05	207	285.00	114
225.05	1627	242.00	378	258.05	1271	290.90	51
226.00	129	243.05	280	259.10	246	292.90	170
227.05	2352	244.10	4709	264.95	478	296.00	3004
228.00	339	245.00	618	273.05	818	296.95	400
229.00	509	246.00	772	274.00	1795	303.00	359
231.05	251	246.95	184	275.00	9685	304.00	74

Average of 2.701 to 2.712 min.: F35955.D
dftpp
Modified:subtracted

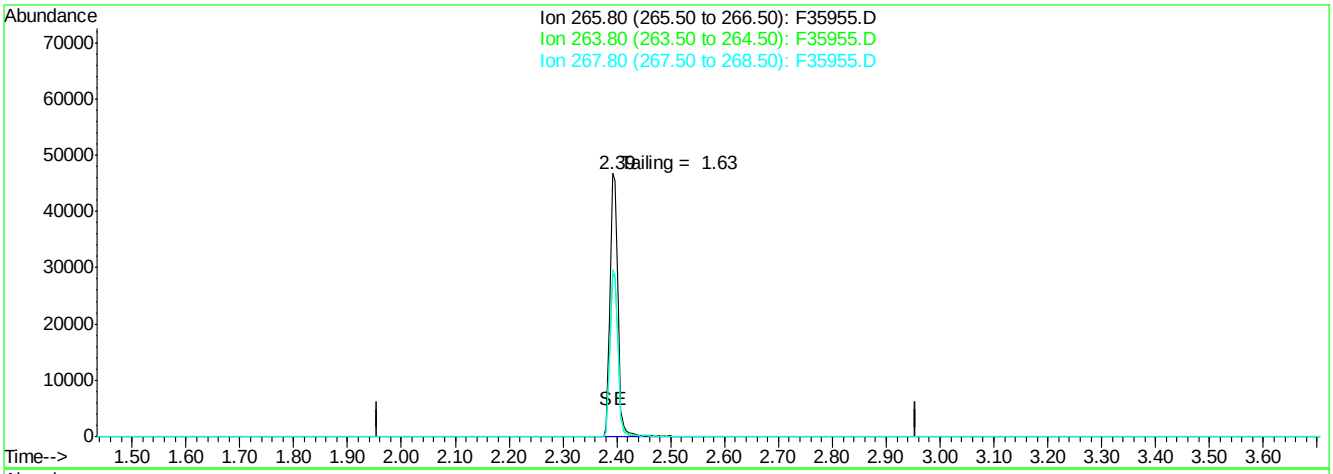
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.00	61	352.00	298	423.00	1484		
314.95	361	352.95	213	424.05	415		
316.00	75	354.05	184	441.05	5493		
321.00	61	365.00	1281	442.05	35133		

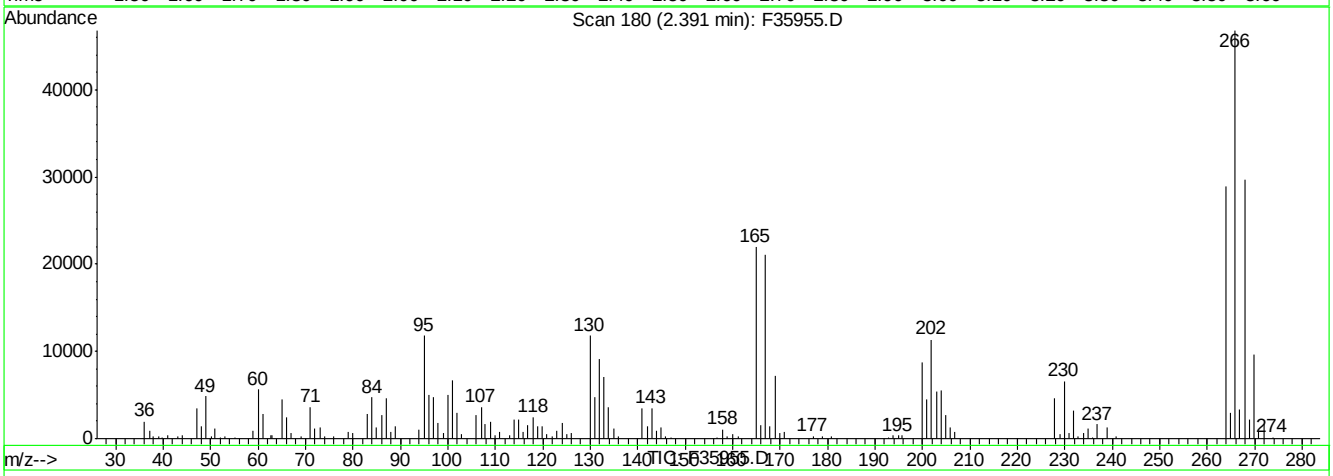
323.05	815	365.95	141	443.10	7083
324.00	158	371.95	603	444.00	656
326.95	214	373.10	61		
334.05	574	402.05	150		
335.05	166	403.00	342		
341.05	114	421.00	244		
346.00	168	422.00	269		

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35955.D Vial: 1
Acq On : 13 Jun 2014 7:31 am Operator: elwiraa
Sample : dftpp Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 13 7:49 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

2.39min 25.50ppb

response 47407

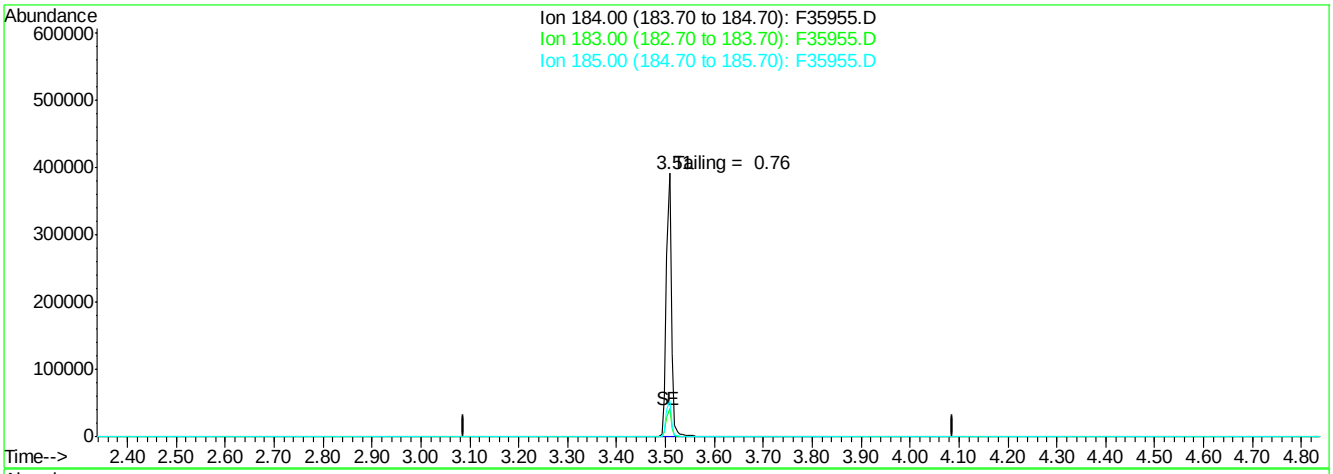
Ion	Exp%	Act%
265.80	100	100
263.80	63.00	61.79
267.80	64.80	63.27
0.00	0.00	0.00

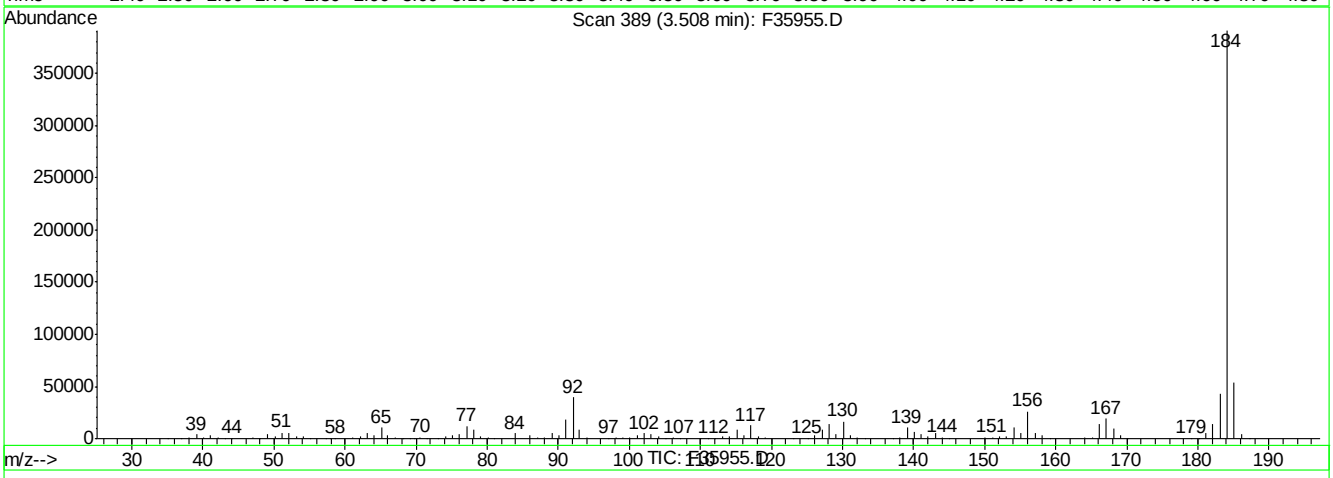
F35955.D DFTPPF.M Fri Jun 13 13:28:57 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35955.D Vial: 1
Acq On : 13 Jun 2014 7:31 am Operator: elwiraa
Sample : dftpp Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 13 7:49 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(2) Benzidine (t)

3.51min 15.22ppb

response 285112

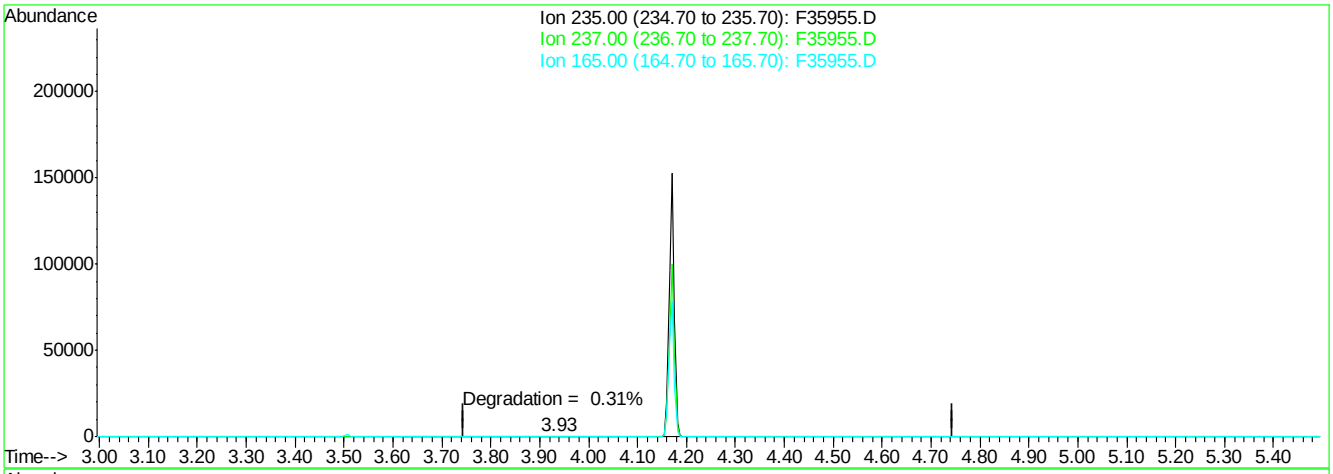
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	10.61
185.00	16.20	13.95
0.00	0.00	0.00

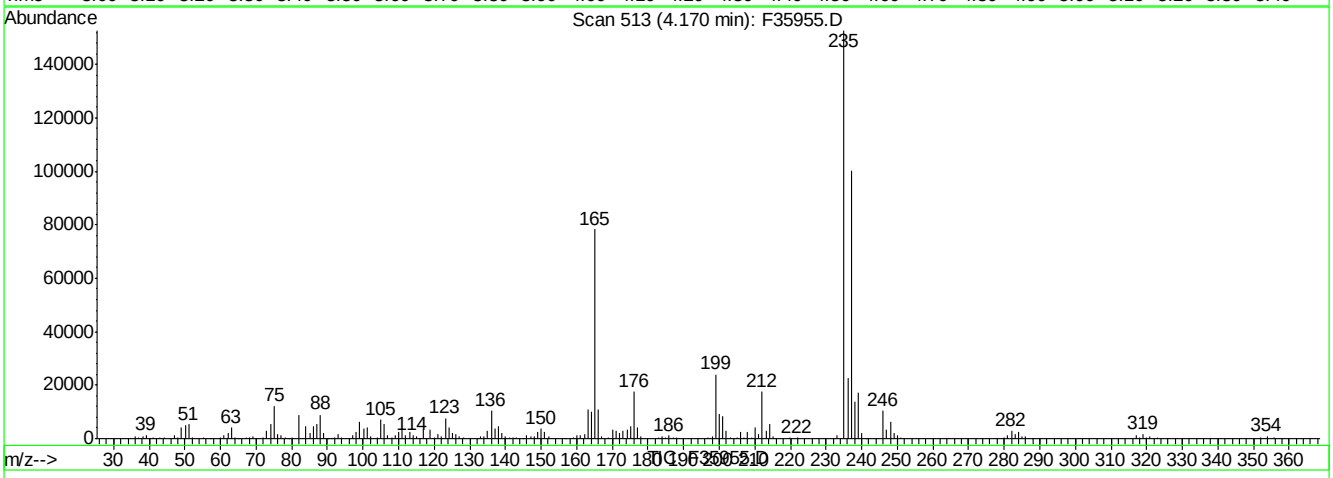
F35955.D DFTPPF.M Fri Jun 13 13:29:04 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35955.D Vial: 1
Acq On : 13 Jun 2014 7:31 am Operator: elwiraa
Sample : dftpp Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 13 7:49 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Single Level Calibration





(3) ddt (t)

4.17min 7.16ppb

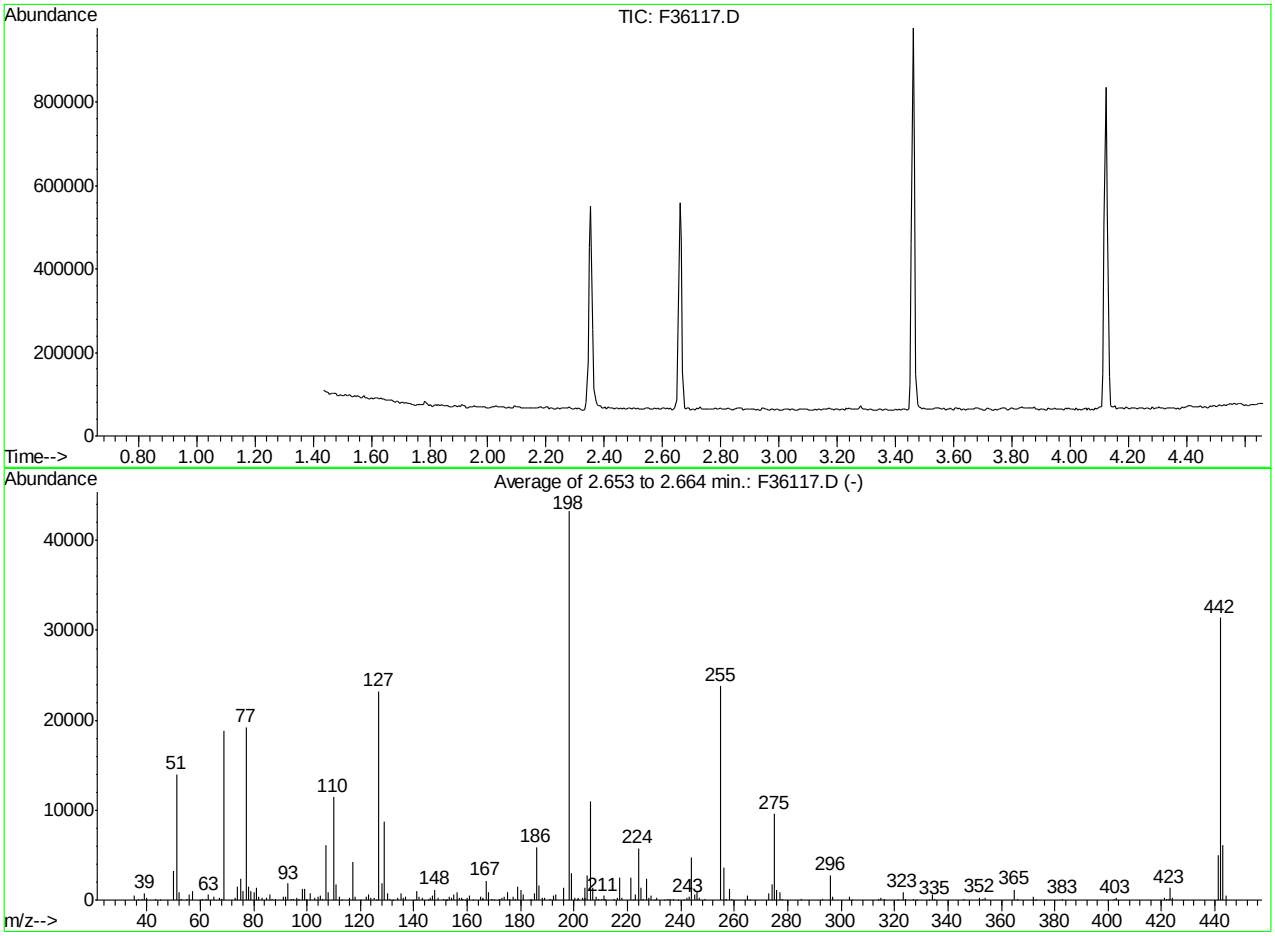
response 111242

Ion	Exp%	Act%
235.00	100	100
237.00	66.70	65.41
165.00	59.50	52.97
0.00	0.00	0.00

F35955.D DFTPPF.M Fri Jun 13 13:29:10 2014 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF5702\F36117.D Vial: 1
Acq On : 18 Jun 2014 8:02 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 229, 230, 231; Background Corrected with Scan 225

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.3	13983	PASS
68	69	0.00	2	1.0	183	PASS
69	198	0.00	100	43.6	18832	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.8	23256	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43232	PASS
199	198	5	9	6.8	2958	PASS
275	198	10	30	22.1	9565	PASS
365	198	1	100	2.7	1150	PASS
441	443	0.10	100	82.3	5028	PASS
442	198	40	100	72.6	31391	PASS
443	442	17	23	19.5	6109	PASS

F36117.D DFTPPF.M Thu Jun 19 08:56:55 2014 RT1

Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	562	55.05	125	73.00	262	85.00	306
37.00	190	56.05	629	74.05	1530	86.00	668
38.05	106	57.05	1059	75.00	2378	86.95	95
39.10	806	60.00	57	76.10	998	88.00	83
40.00	196	61.05	170	77.10	19243	91.00	329
43.10	85	62.00	183	78.10	1456	92.00	353
45.10	50	63.05	611	79.05	997	93.00	1846
50.05	3302	65.10	337	80.00	871	94.00	126
51.05	13983	67.05	197	81.00	1386	95.10	93
52.10	842	68.10	183	82.00	370	96.00	194
53.00	76	69.00	18832	83.00	212	97.10	171

Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.05	1287	111.05	1784	126.00	54	140.10	54
99.00	1307	111.95	338	127.00	23256	141.00	1031
99.90	70	113.00	54	128.10	1864	141.95	334
101.00	789	116.05	302	129.00	8728	143.05	283
103.00	313	117.00	4216	130.00	780	145.10	53
104.05	397	118.00	406	131.10	139	146.00	210
105.00	485	120.00	60	132.10	56	146.95	533
106.00	180	122.00	432	134.00	203	148.00	1136
107.00	6088	123.05	643	135.00	723	149.00	204
108.05	916	123.95	290	136.05	282	151.05	129
110.00	11425	125.05	302	137.05	389	151.90	63

Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
152.20	53	162.10	55	174.00	418	186.00	5877
153.05	350	165.05	405	175.05	877	187.00	1659
153.90	230	165.90	92	176.00	190	188.05	207
155.00	568	166.05	248	177.00	335	189.00	306
156.05	913	167.00	2130	178.00	170	190.95	133
157.00	234	168.00	902	179.00	1519	192.10	472
157.85	212	169.05	180	180.00	1080	193.05	582
158.30	82	170.10	67	181.00	685	196.00	1408
159.00	65	171.60	54	183.90	69	198.00	43232
159.95	286	172.00	100	184.10	54	199.00	2958
161.00	552	173.00	230	185.05	705	200.10	201

Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
200.90	61	211.00	488	226.05	146	241.00	64
201.50	216	211.70	140	227.00	2395	242.05	301
203.05	225	214.95	101	228.05	273	243.05	338
203.90	201	216.10	199	229.00	559	244.10	4728
204.05	1320	217.00	2553	230.10	56	245.05	670
205.05	2731	218.00	310	231.05	261	246.00	855
206.10	10988	221.05	2518	234.00	57	246.95	216
207.05	1347	222.10	63	235.05	135	249.00	168
208.05	395	222.95	577	236.00	122	255.00	23769
208.95	137	224.10	5800	237.00	166	256.00	3678
210.40	135	225.05	1412	239.00	50	257.00	188

Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
258.00	1220	292.95	160	327.05	134	372.05	439
259.00	191	296.00	2797	328.10	61	372.90	57
265.05	468	297.00	430	332.80	53	383.00	132
265.90	50	303.00	326	334.10	603	402.10	150

273.00	708	304.10	52	335.10	86	402.95	196
274.00	1705	314.05	161	346.00	173	421.00	246
275.00	9565	314.90	299	352.00	273	421.90	138
276.00	1184	316.05	150	353.05	186	422.90	102
277.00	825	321.00	60	354.05	258	423.05	1345
278.05	146	323.05	911	365.00	1150	424.10	245
285.00	129	324.00	145	366.00	149	441.10	5028

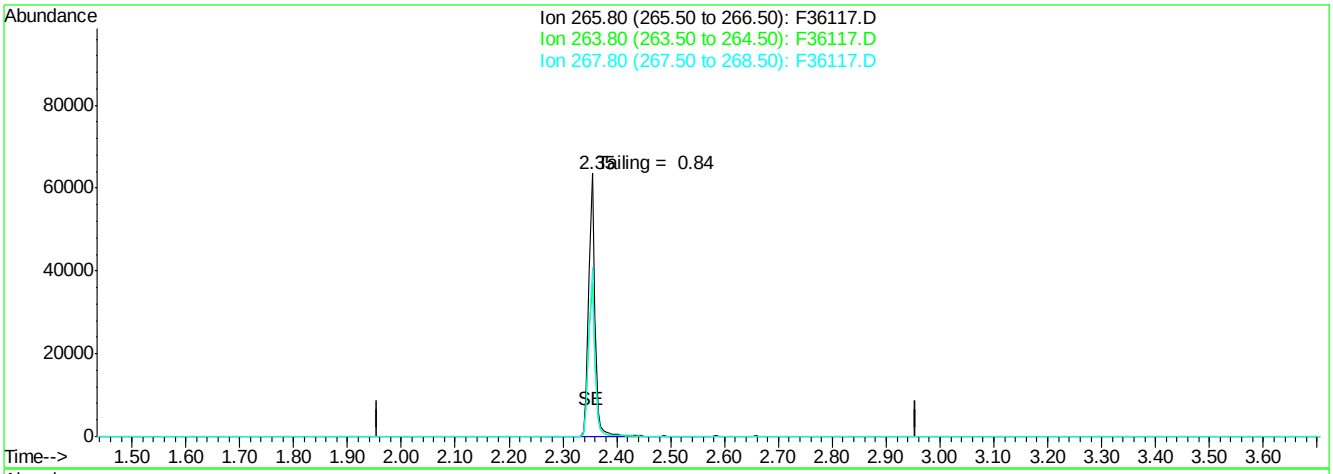
Average of 2.653 to 2.664 min.: F36117.D
dftpp
Modified:subtracted

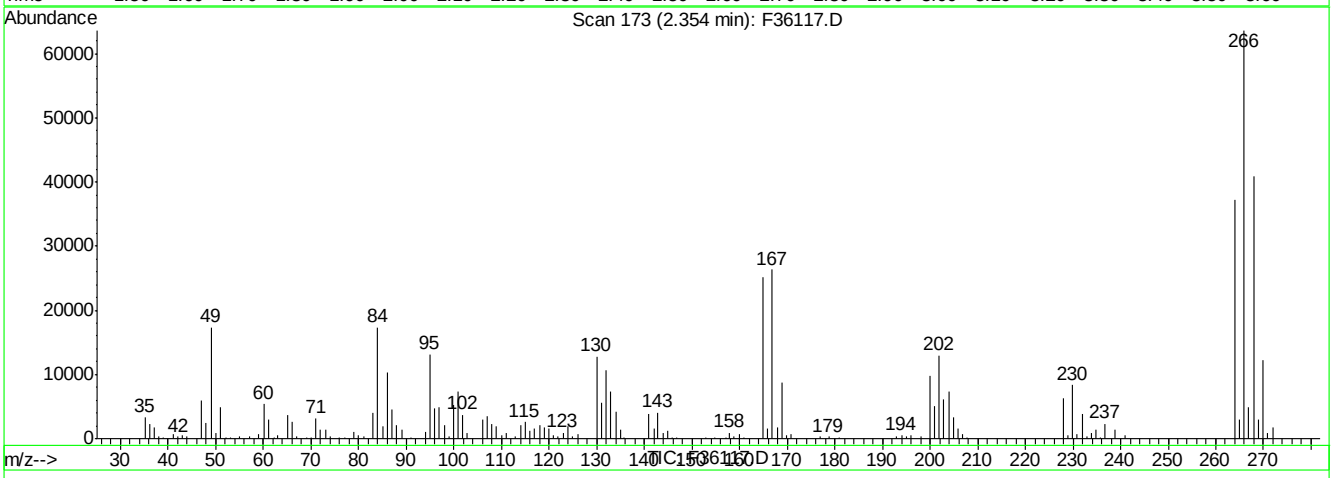
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
442.05	31391						
443.10	6109						
444.00	545						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36117.D Vial: 1
Acq On : 18 Jun 2014 8:02 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 18 20:16 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

2.35min 27.25ppb

response 50657

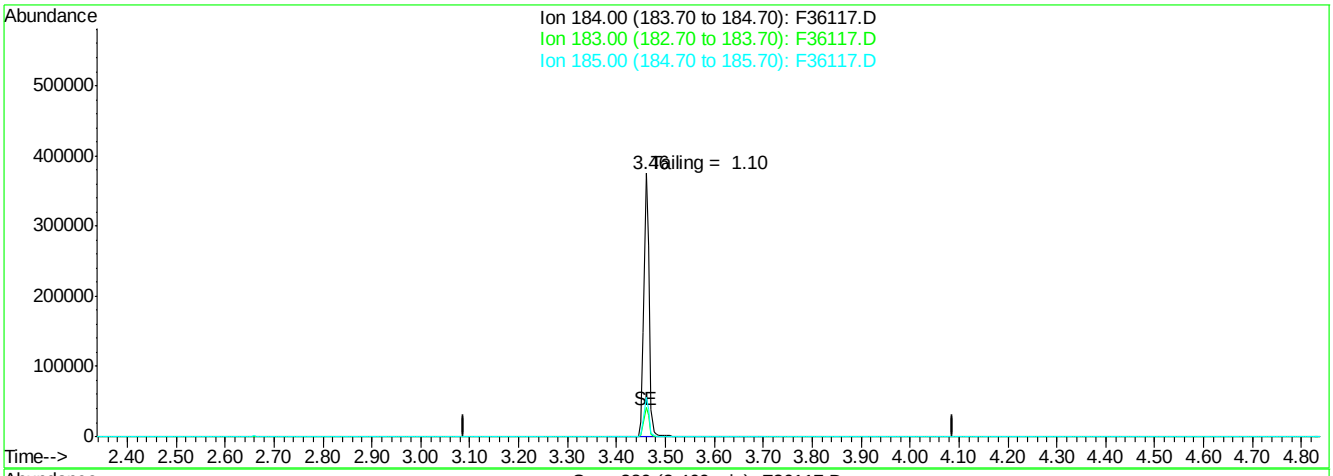
Ion	Exp%	Act%
265.80	100	100
263.80	63.00	58.59
267.80	64.80	64.24
0.00	0.00	0.00

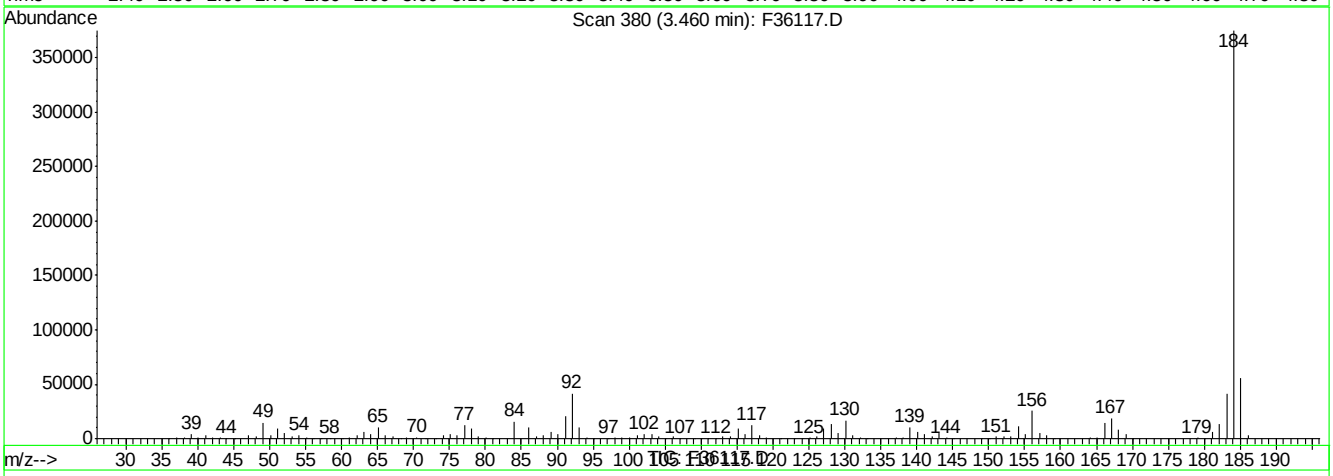
F36117.D DFTPPF.M Thu Jun 19 08:57:08 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36117.D Vial: 1
Acq On : 18 Jun 2014 8:02 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 18 20:16 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(2) Benzidine (t)

3.46min 14.98ppb

response 280705

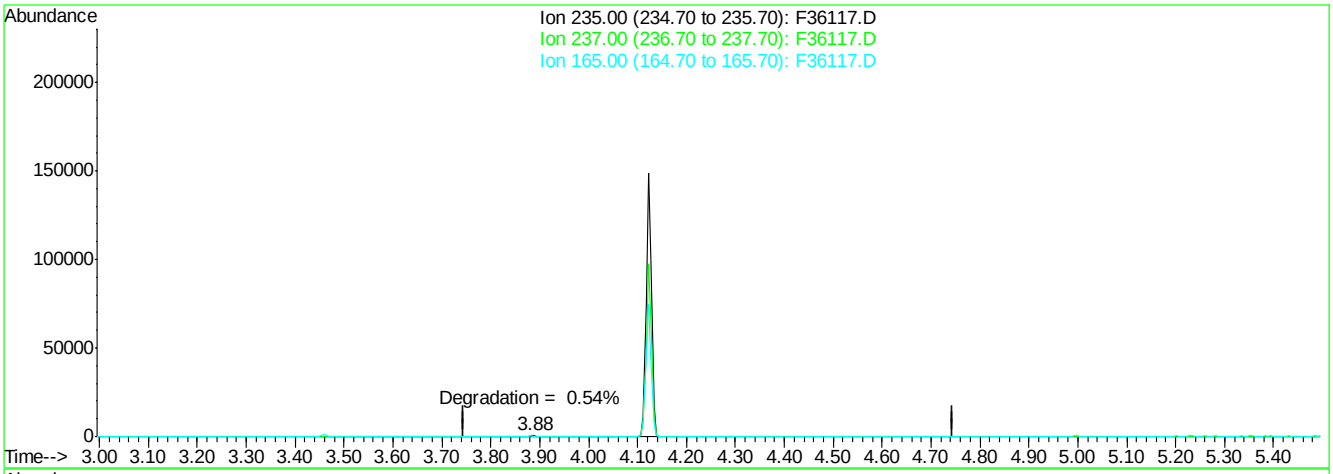
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	10.95
185.00	16.20	14.67
0.00	0.00	0.00

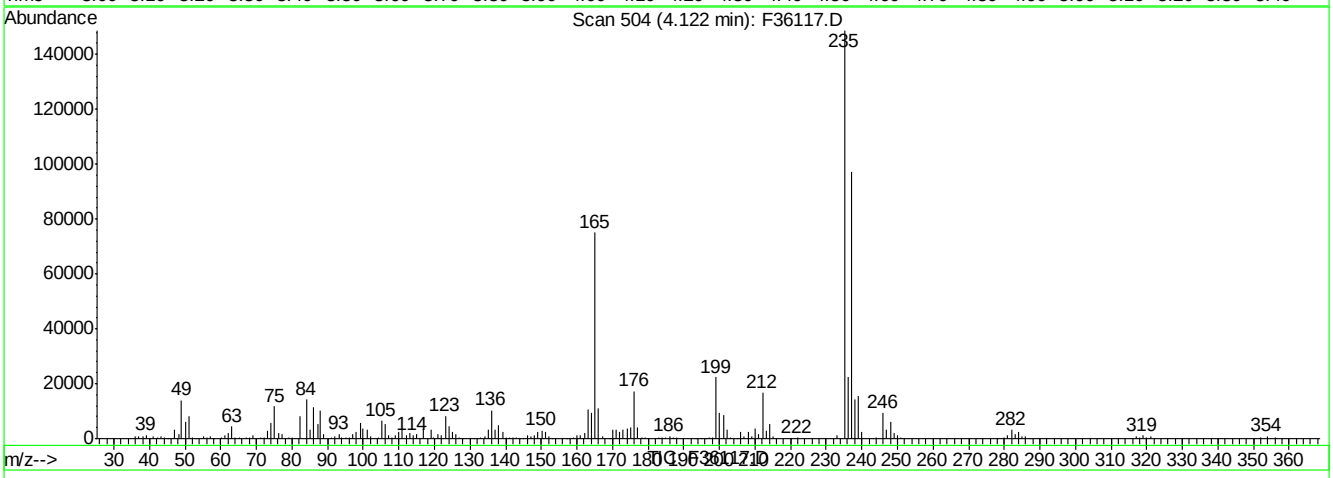
F36117.D DFTPPF.M Thu Jun 19 08:57:16 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36117.D Vial: 1
Acq On : 18 Jun 2014 8:02 pm Operator: ashleyd
Sample : dftpp Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 18 20:16 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Single Level Calibration





(3) ddt (t)

4.12min 7.32ppb

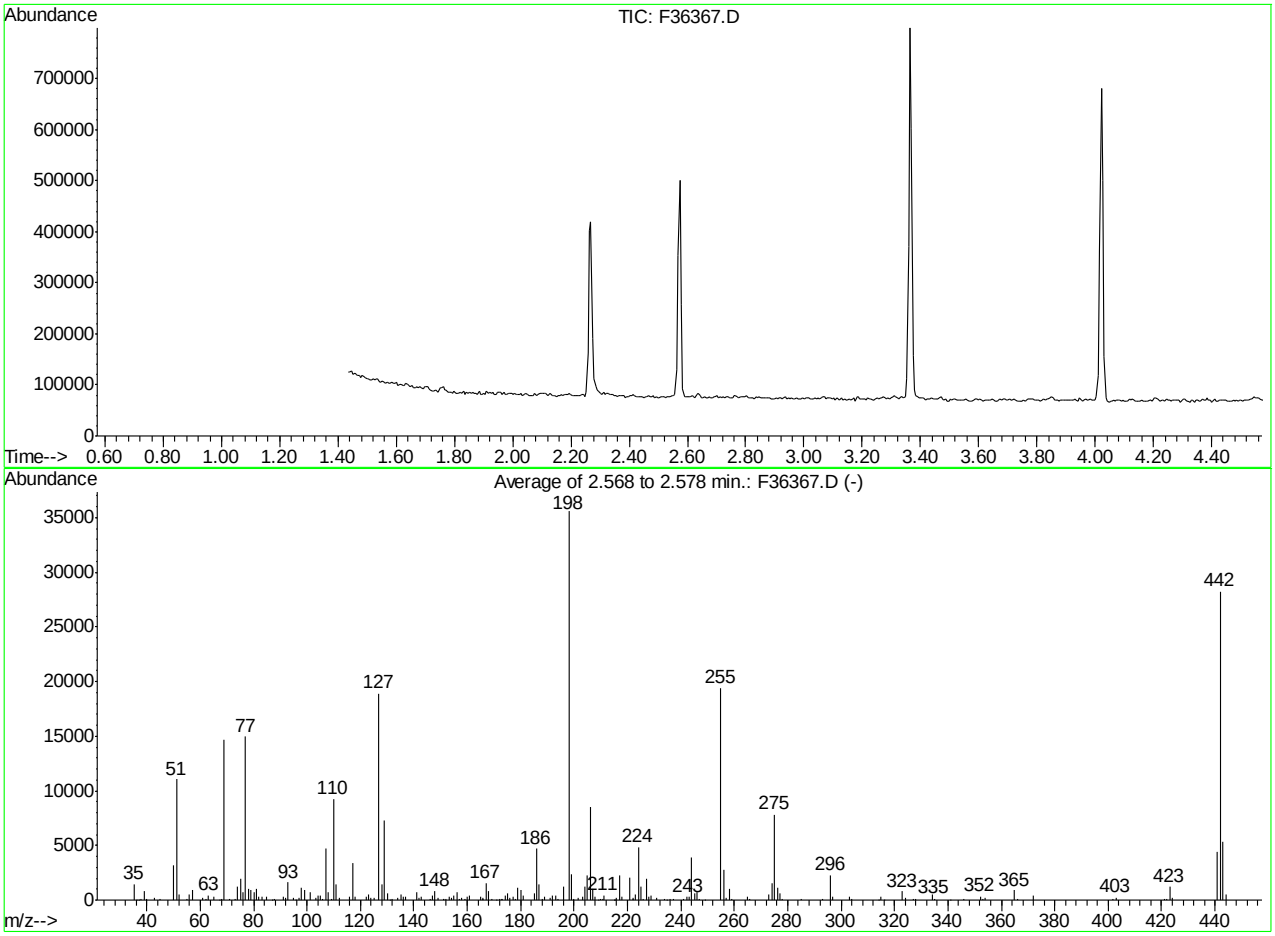
response 113691

Ion	Exp%	Act%
235.00	100	100
237.00	66.70	64.99
165.00	59.50	50.81
0.00	0.00	0.00

F36117.D DFTPPF.M Thu Jun 19 08:57:25 2014 RT1

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF5710\F36367.D Vial: 1
Acq On : 25 Jun 2014 4:44 pm Operator: saraw
Sample : dftpp Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 213, 214, 215; Background Corrected with Scan 208

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.1	11054	PASS
68	69	0.00	2	0.9	138	PASS
69	198	0.00	100	41.2	14648	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.1	18877	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35557	PASS
199	198	5	9	6.7	2374	PASS
275	198	10	30	22.0	7807	PASS
365	198	1	100	2.5	901	PASS
441	443	0.10	100	82.3	4388	PASS
442	198	40	100	79.4	28230	PASS
443	442	17	23	18.9	5334	PASS

F36367.D DFTPPF.M Thu Jun 26 07:37:18 2014 RT1

Average of 2.568 to 2.578 min.: F36367.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	1478	55.00	89	73.00	145	85.00	280
36.00	13	56.05	491	74.10	1186	86.95	53
37.00	4	57.10	944	75.05	2002	87.95	69
38.00	141	61.00	223	76.10	685	91.00	359
39.10	842	62.05	141	77.05	14967	92.05	218
40.00	58	63.05	415	78.10	1039	93.00	1620
43.00	162	65.05	309	79.00	896	95.05	189
45.00	63	67.00	16	80.00	733	95.90	53
50.05	3167	68.10	138	81.05	1056	97.05	196
51.05	11054	68.95	14648	82.00	351	98.00	1108
52.05	532	71.00	68	82.95	359	99.00	964

Average of 2.568 to 2.578 min.: F36367.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
101.00	689	116.00	313	131.00	50	148.00	857
103.10	165	117.00	3387	132.00	58	149.00	220
104.00	409	117.95	289	134.00	193	151.10	66
105.00	393	122.05	330	135.00	567	151.30	63
106.00	114	123.00	528	135.95	273	151.90	63
107.00	4698	124.05	174	136.95	306	153.05	298
108.00	763	125.05	187	141.00	683	154.05	244
109.00	72	127.00	18877	141.95	215	155.05	428
110.00	9258	128.00	1489	142.95	264	156.00	670
111.00	1407	129.00	7337	145.95	115	157.05	149
112.00	189	130.00	602	147.00	434	157.95	192

Average of 2.568 to 2.578 min.: F36367.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.95	125	172.90	63	186.00	4711	199.95	155
159.95	275	173.10	82	187.00	1481	201.55	202
161.00	392	174.05	364	188.05	124	203.00	269
165.05	318	175.00	617	189.00	300	204.00	1241
165.90	93	176.00	258	190.95	176	205.05	2254
166.05	178	177.00	323	192.00	415	206.00	8518
167.00	1552	177.90	56	193.00	464	207.10	986
168.00	796	179.00	1177	194.00	67	207.95	268
169.10	156	180.00	962	196.00	1226	209.00	53
171.00	53	181.00	421	198.00	35557	209.95	130
172.10	63	185.05	614	199.00	2374	210.60	113

Average of 2.568 to 2.578 min.: F36367.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.05	446	225.00	1220	242.05	265	259.00	90
214.90	50	225.90	61	243.00	273	264.95	352
215.20	53	227.00	1926	244.05	3910	265.90	58
216.00	255	228.00	286	245.10	625	273.00	550
217.00	2309	229.00	445	246.00	696	274.00	1526
218.00	348	231.00	214	247.00	73	275.00	7807
221.00	2050	233.90	73	248.90	55	276.05	1150
221.90	74	234.80	52	255.00	19400	276.95	668
222.10	177	235.90	83	256.00	2795	278.05	120
223.00	516	237.00	140	257.00	220	285.00	102
224.05	4863	241.00	58	258.00	1046	292.90	70

Average of 2.568 to 2.578 min.: F36367.D
dftpp
Modified:subtracted

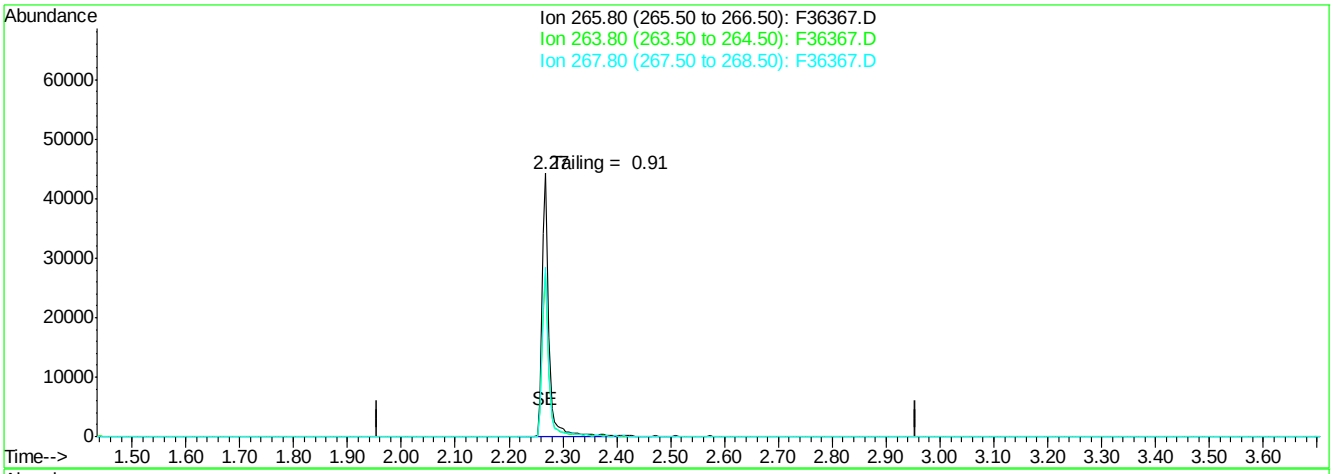
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.00	2272	334.00	493	403.00	228		
296.95	317	335.00	111	421.00	72		
302.95	294	340.90	54	421.90	73		
304.10	62	346.00	78	423.00	1204		

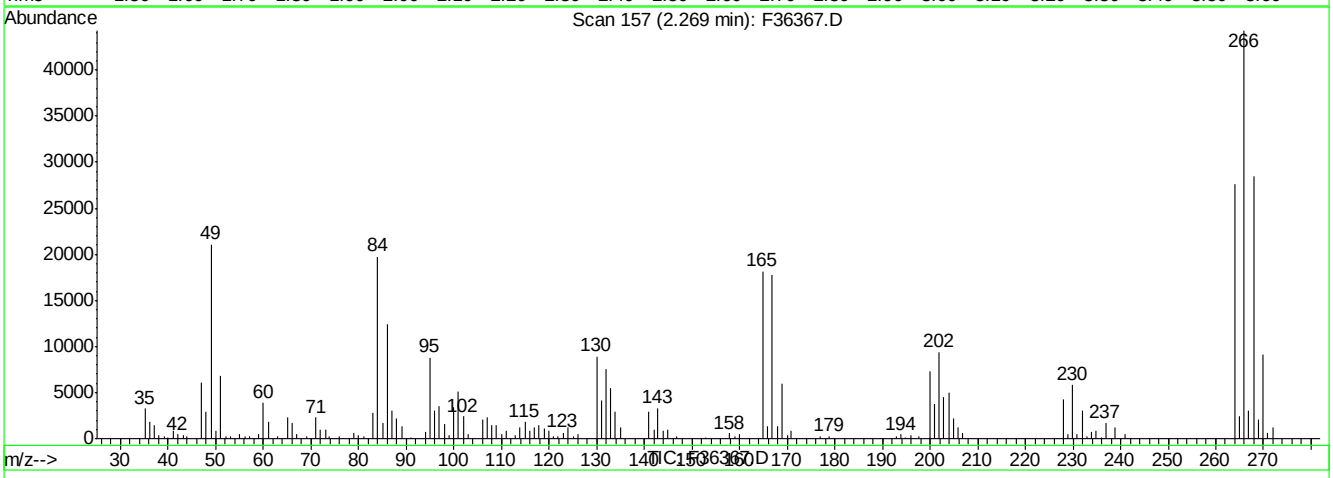
314.00	51	352.05	309	423.95	246
314.95	271	352.90	135	441.00	4388
316.00	52	353.95	197	442.00	28230
323.00	783	364.95	901	443.05	5334
323.95	160	366.00	101	444.00	553
327.00	83	372.05	423		
328.00	56	401.95	133		

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36367.D Vial: 1
Acq On : 25 Jun 2014 4:44 pm Operator: saraw
Sample : dftpp Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:50 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(1) Pentachlorophenol (t)

2.27min 20.39ppb

response 37895

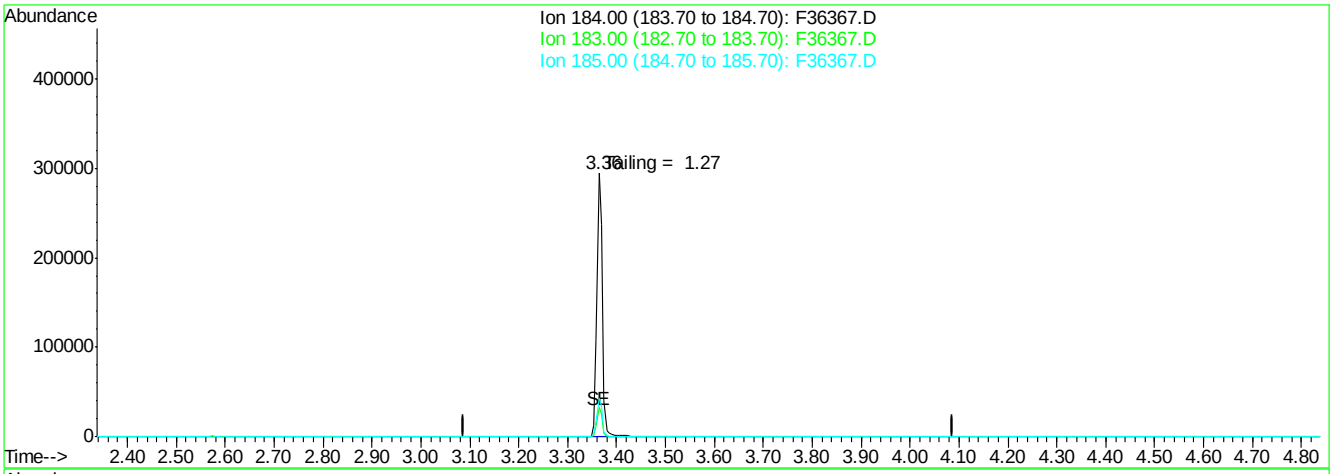
Ion	Exp%	Act%
265.80	100	100
263.80	63.00	62.22
267.80	64.80	64.26
0.00	0.00	0.00

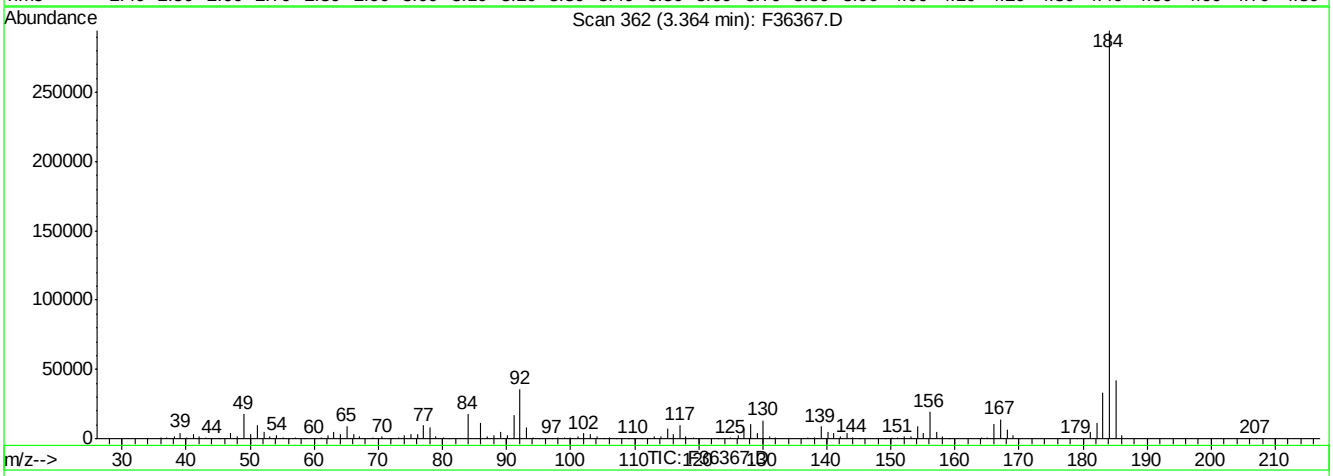
F36367.D DFTPPF.M Thu Jun 26 07:37:25 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36367.D Vial: 1
Acq On : 25 Jun 2014 4:44 pm Operator: saraw
Sample : dftpp Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:50 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Multiple Level Calibration





(2) Benzidine (t)

3.36min 12.21ppb

response 228767

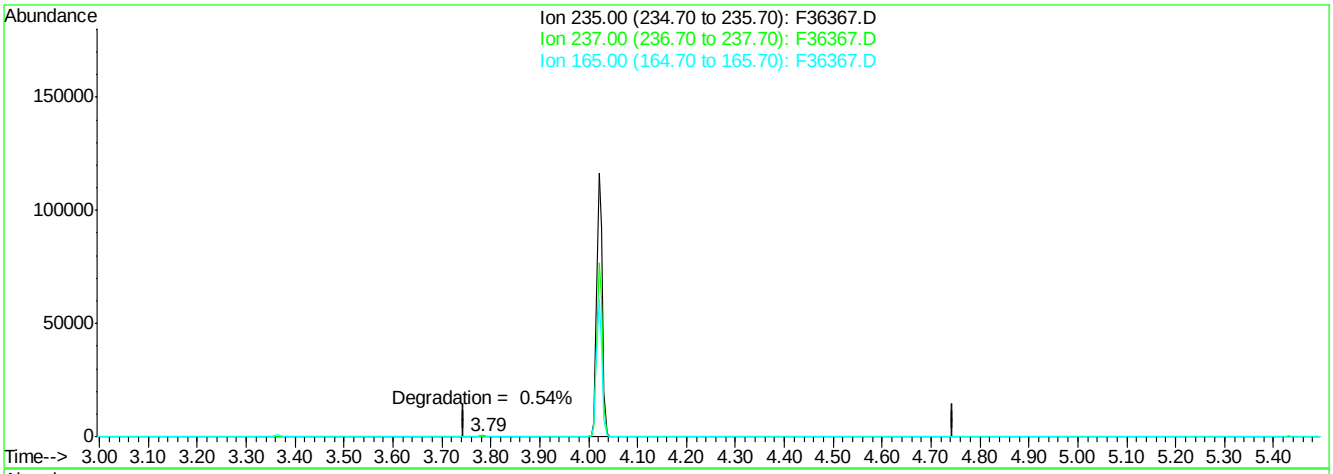
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	10.83
185.00	16.20	14.14
0.00	0.00	0.00

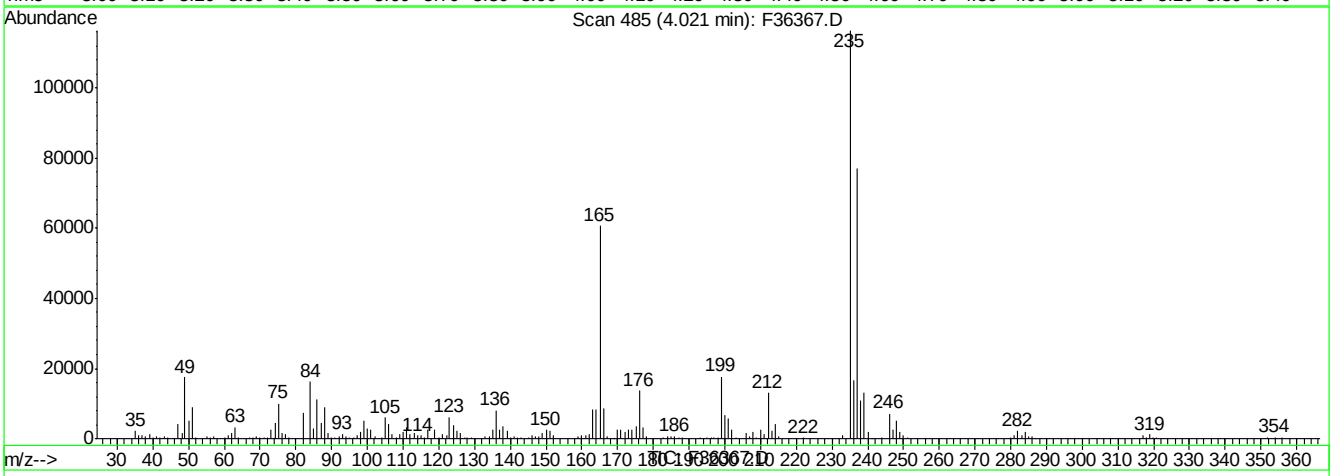
F36367.D DFTPPF.M Thu Jun 26 07:37:31 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36367.D Vial: 1
Acq On : 25 Jun 2014 4:44 pm Operator: saraw
Sample : dftpp Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:50 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 14 11:03:43 2014
Response via : Single Level Calibration





(3) ddt (t)

4.02min 5.94ppb

response 92287

Ion	Exp%	Act%
235.00	100	100
237.00	66.70	65.54
165.00	59.50	50.29
0.00	0.00	0.00

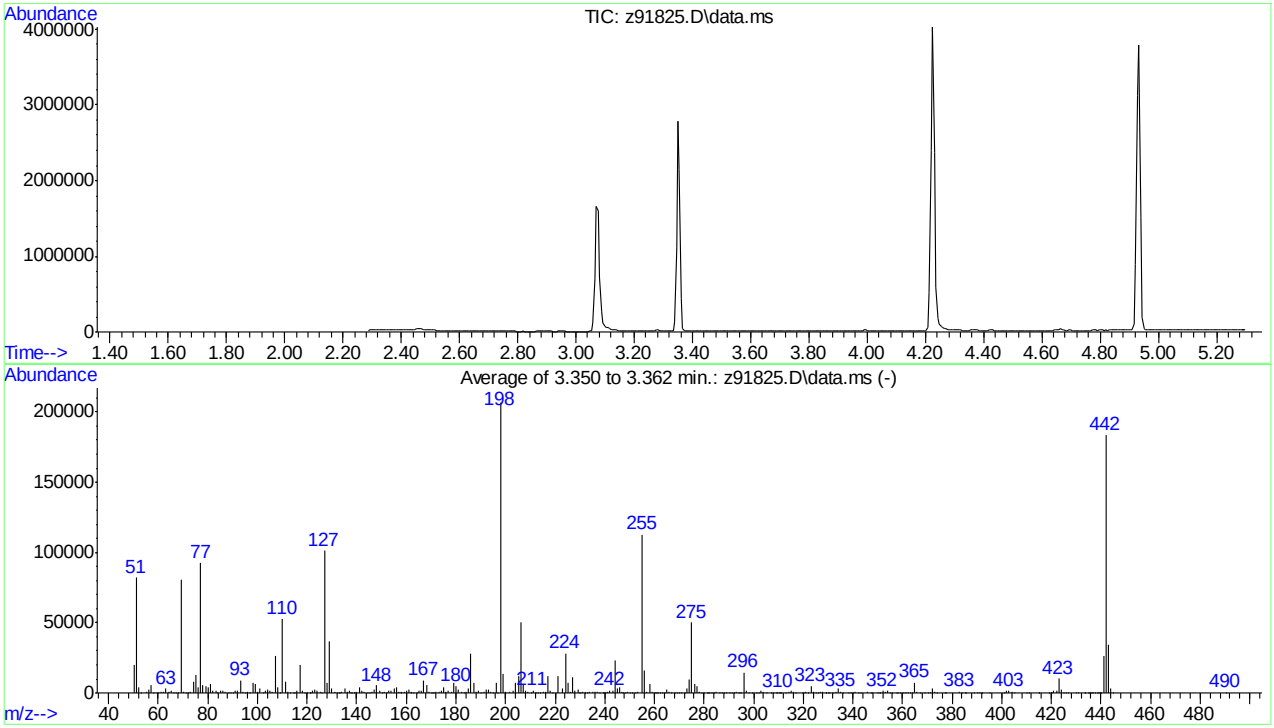
F36367.D DFTPPF.M Thu Jun 26 07:37:41 2014 RT1

DFTPP

Data Path : C:\msdchem\1\DATA\ez4570\
Data File : z91825.D
Acq On : 24 May 2014 3:10 pm
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 187, 188, 189; Background Corrected with Scan 182

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	82004	PASS
68	69	0.00	2	0.4	340	PASS
69	198	0.00	100	39.0	80616	PASS
70	69	0.00	2	0.6	447	PASS
127	198	40	60	49.0	101317	PASS
197	198	0.00	1	0.1	133	PASS
198	198	100	100	100.0	206736	PASS
199	198	5	9	6.5	13496	PASS
275	198	10	30	24.2	50106	PASS
365	198	1	100	3.5	7230	PASS
441	443	0.01	100	76.0	26182	PASS
442	198	40	100	89.0	183933	PASS
443	442	17	23	18.7	34432	PASS

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	20298	62.10	1072	73.05	450	83.95	39
51.05	82004	63.10	2834	74.05	7887	85.10	1232
52.10	4136	64.10	424	75.10	12467	86.10	1629
53.10	206	65.15	1693	76.10	4250	87.10	766
55.10	464	66.00	47	77.10	92232	88.05	246
56.10	2221	67.10	38	78.05	6015	89.00	156
57.10	5533	68.05	340	79.10	5105	90.05	80
58.05	245	69.10	80616	80.10	4262	91.10	1286
59.15	178	70.05	447	81.10	6093	92.10	1370
59.95	33	71.15	361	82.10	1635	93.10	9058
61.10	945	71.90	41	83.10	1407	94.05	660

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	217	106.10	690	117.10	19887	127.10	101317
96.15	596	107.05	26724	118.10	1643	128.10	7468
97.05	62	108.10	4345	119.05	92	129.10	36940
98.10	7138	109.10	65	120.00	394	130.00	2981
99.10	6096	110.05	52325	121.10	133	131.05	700
100.10	598	111.10	7746	121.30	19	132.05	322
101.00	3369	112.10	1073	122.00	1640	133.00	162
102.05	285	113.10	311	123.10	2645	133.20	94
103.05	1273	114.30	43	124.00	1309	134.10	1201
104.05	2228	115.05	249	125.10	1192	135.05	2965
105.05	1923	116.05	1294	125.90	39	136.05	1175

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1569	147.05	2656	157.80	30	167.05	9189
137.70	22	148.05	5361	158.05	734	168.10	5245
138.00	360	149.10	1319	159.05	597	169.00	1110
139.05	247	150.05	395	160.10	1465	170.05	286
140.00	523	151.10	707	161.05	2186	170.60	26
141.00	4383	152.00	275	161.80	28	171.05	365
142.05	1727	153.00	1345	162.05	618	172.05	797
143.00	994	154.00	1246	163.00	220	173.10	1063
144.10	298	155.10	2897	164.05	245	174.10	1816
145.05	276	156.10	3792	165.10	1838	175.10	3963
146.05	785	157.05	759	166.05	1469	176.00	1158

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	1720	188.10	784	199.00	13496	210.10	359
178.05	575	189.00	1766	199.80	88	211.00	1956
179.05	6993	190.00	302	200.00	915	211.90	32
180.10	4846	191.10	482	201.60	1034	212.95	148
181.10	2224	192.05	2201	203.10	1320	214.05	58
182.05	462	193.10	2654	204.10	6915	215.05	513
182.95	293	194.10	665	205.10	11825	216.05	980
184.00	547	195.05	135	206.05	49920	217.00	12086
185.10	3437	196.10	6882	207.05	6513	218.05	1678
186.10	27653	196.90	133	208.05	1687	219.05	216
187.10	7606	198.00	206736	209.05	730	221.10	11779

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.10	2912	232.15	127	242.10	1706	252.10	249
224.10	28216	233.10	242	243.10	1488	253.00	435
225.10	7191	234.00	748	244.10	22989	255.10	112904
226.10	834	235.00	891	245.10	2828	256.10	16335

DFTPPZ.M Tue May 27 09:59:10 2014 RTE

227.05	10881	236.00	503	246.05	4362	257.05	1121
228.00	1608	237.05	897	247.05	963	258.00	6236
229.05	2490	238.05	108	247.40	26	259.00	1122
229.80	31	239.00	421	248.05	161	260.00	152
230.00	180	239.70	20	249.05	794	260.30	17
231.05	929	240.10	331	250.05	199	260.90	149
231.90	25	241.10	603	251.05	191	261.20	36

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.10	50	273.10	3493	283.10	378	294.00	210
263.10	71	274.10	9288	284.10	274	294.20	101
263.90	90	275.10	50106	285.05	858	295.00	306
265.05	2742	276.10	6788	286.10	127	296.00	14464
265.90	450	277.00	4548	287.00	37	297.00	2021
266.95	75	278.00	744	288.00	63	298.05	140
267.95	290	279.10	176	289.05	162	299.20	26
269.00	46	280.10	16	290.10	186	301.05	149
269.95	84	281.05	94	290.95	120	302.05	354
271.00	252	281.90	95	291.95	224	303.05	1801
272.00	300	282.10	35	293.05	964	304.00	432

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
305.00	31	316.05	943	328.00	463	339.00	73
306.90	21	317.05	210	329.00	86	339.90	47
308.00	212	319.80	55	329.20	18	341.10	782
309.10	186	320.10	31	329.90	22	342.15	224
309.30	18	321.10	631	330.60	23	343.10	46
310.05	228	322.05	278	332.05	293	346.00	1132
310.80	23	323.10	4963	333.05	435	347.10	223
311.10	33	324.05	1011	334.10	3122	347.70	26
313.00	127	325.05	121	335.10	894	350.00	17
314.10	701	326.00	68	335.95	122	350.70	18
315.05	1601	327.00	927	338.20	18	351.05	75

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.10	1595	363.00	23	376.90	22	395.05	68
353.05	1157	363.95	50	377.30	23	401.05	231
354.10	1612	365.00	7230	383.00	831	402.00	1362
355.10	348	365.95	1031	384.00	213	403.00	1562
356.00	21	367.05	65	385.10	56	404.05	601
357.70	21	368.70	16	385.80	22	405.20	95
358.00	44	370.05	128	388.70	25	410.00	27
358.90	200	371.00	409	390.05	318	411.10	18
360.10	22	372.05	3002	391.00	244	414.95	58
361.20	29	373.05	663	391.90	41	415.20	33
362.00	20	374.10	141	392.10	132	418.90	16

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

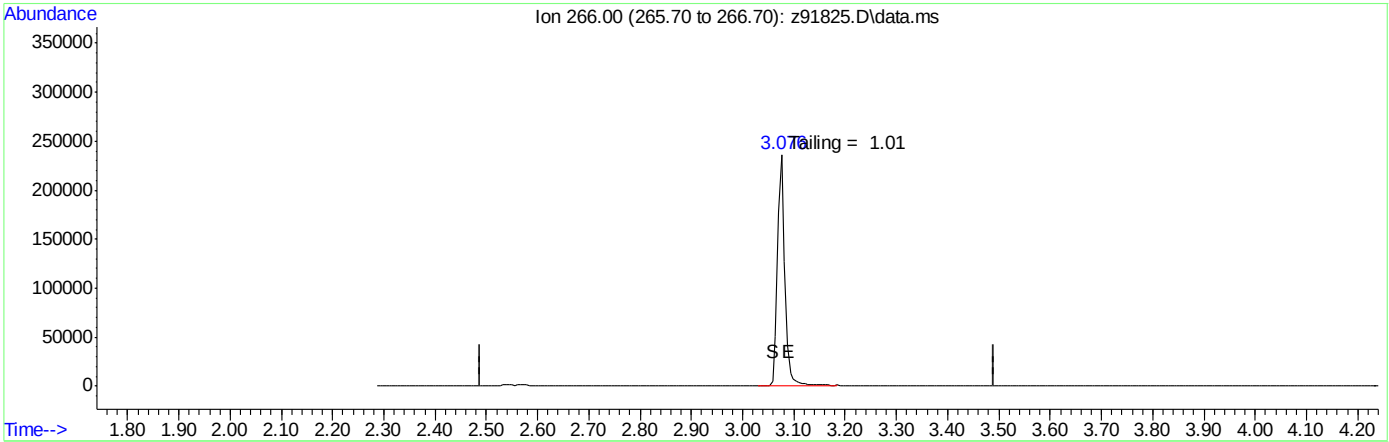
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.90	23	433.40	21	439.80	46		
420.10	27	433.60	22	440.00	75		
421.00	1445	434.90	22	441.05	26182		
422.05	1357	435.45	49	442.10	183933		
423.05	10226	435.90	70	443.10	34432		
424.00	2224	436.30	39	444.00	2922		
425.10	177	436.80	34	444.95	232		
426.00	26	437.40	32	490.30	18		
426.90	19	438.35	46				
430.10	24	439.00	30				
431.00	17	439.30	51				

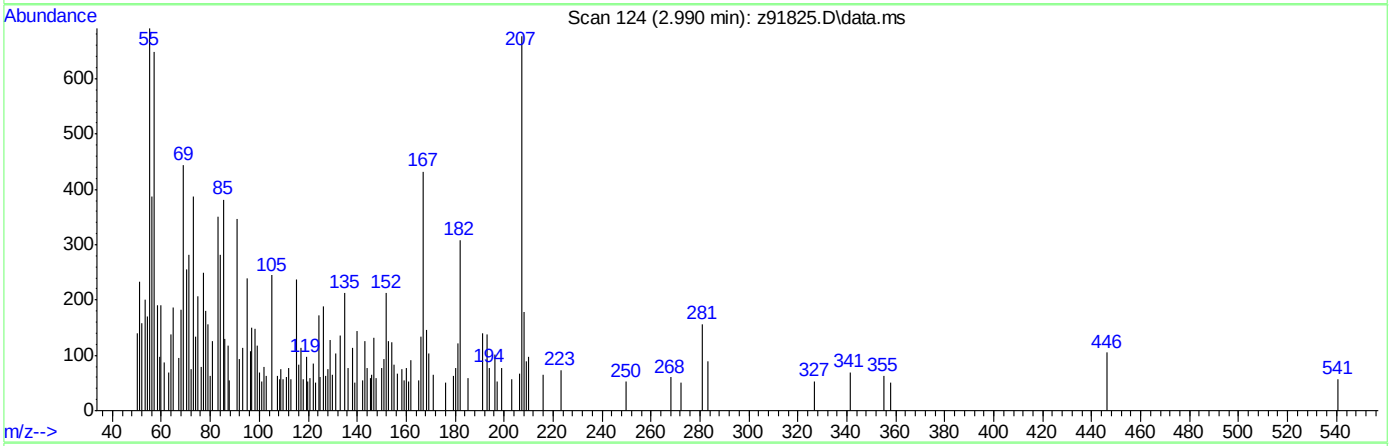
DFTPPZ.M Tue May 27 09:59:10 2014 RTE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

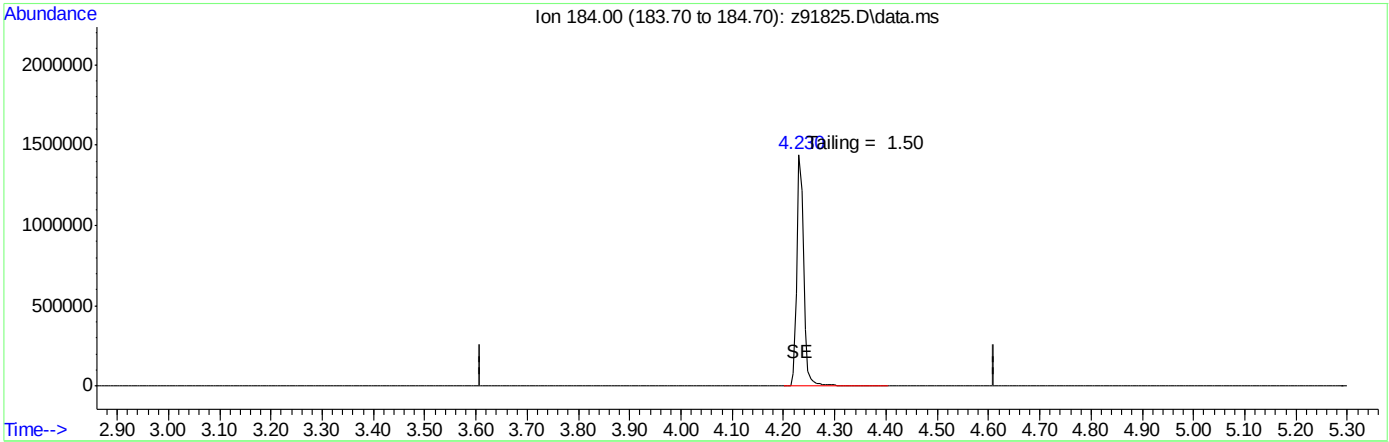
response 0

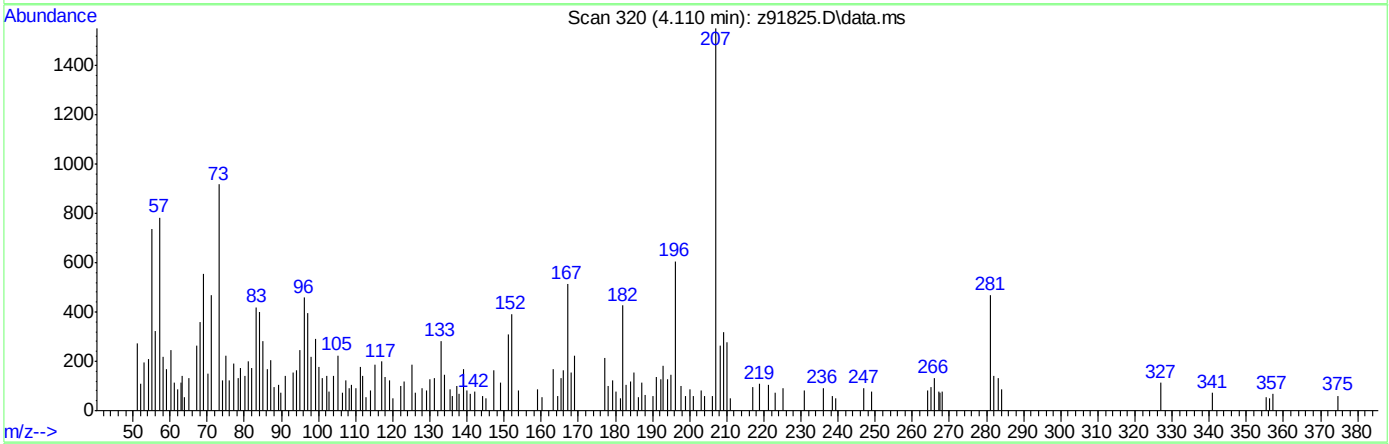
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

response 0

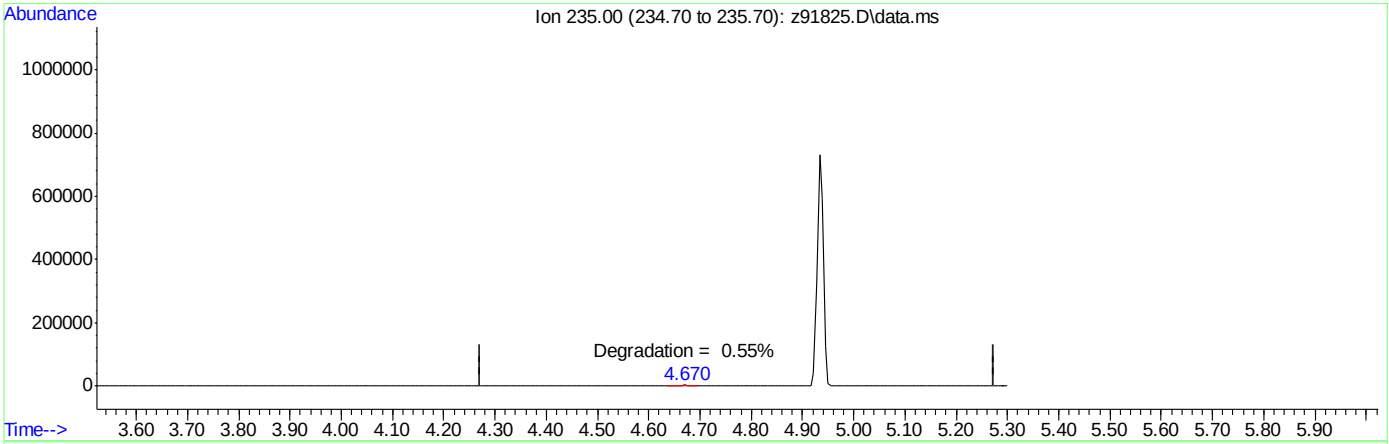
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

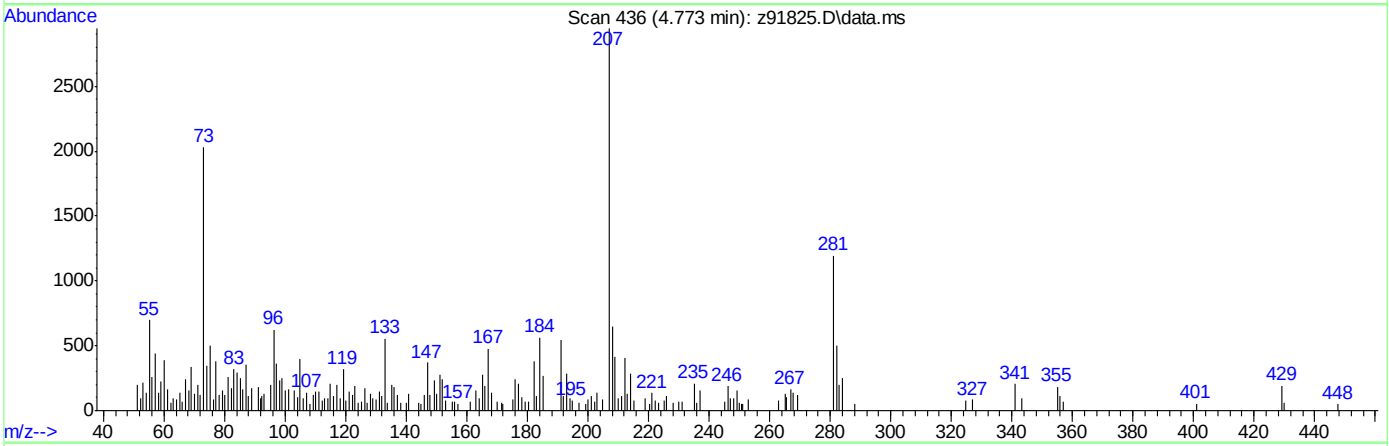
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.19.3

9

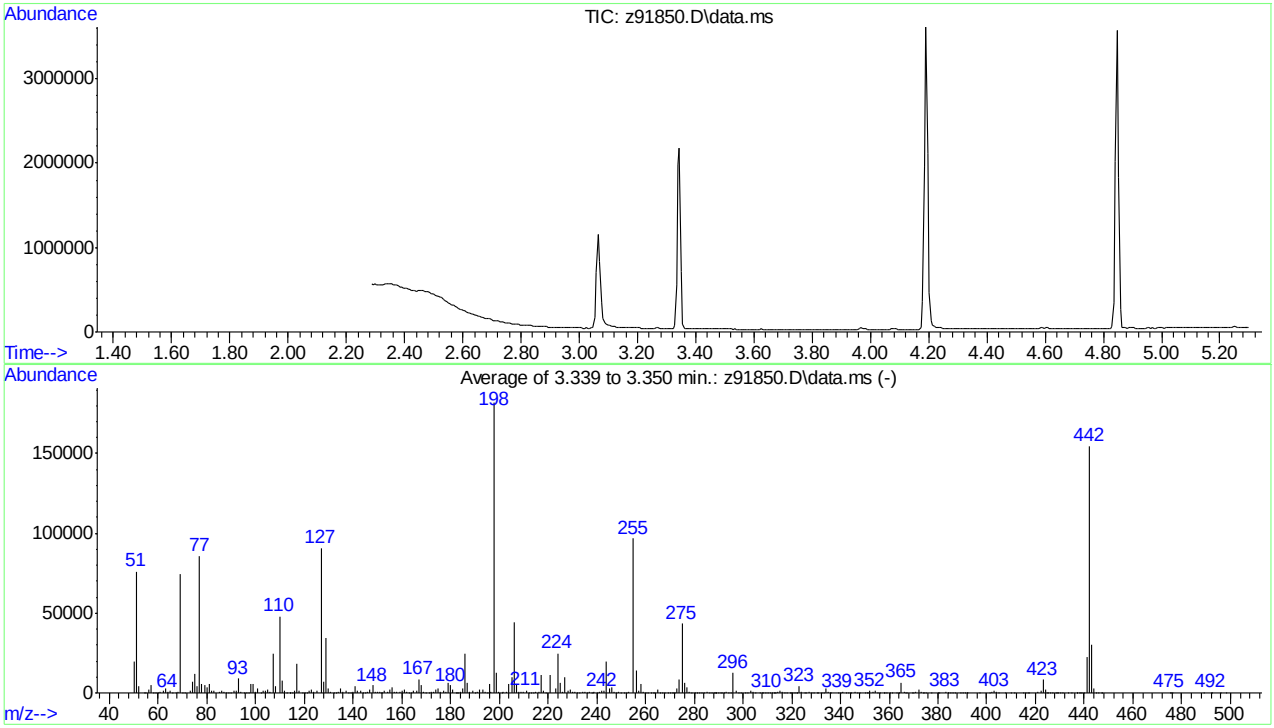
ACCUTEST LABORATORIES
JB69123

DFTPP

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 185, 186, 187; Background Corrected with Scan 180

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.7	75914	PASS
68	69	0.00	2	0.6	409	PASS
69	198	0.00	100	40.8	74198	PASS
70	69	0.00	2	0.5	370	PASS
127	198	40	60	49.9	90865	PASS
197	198	0.00	1	0.3	582	PASS
198	198	100	100	100.0	181938	PASS
199	198	5	9	6.8	12334	PASS
275	198	10	30	23.9	43512	PASS
365	198	1	100	3.5	6452	PASS
441	443	0.01	100	74.3	22306	PASS
442	198	40	100	85.0	154616	PASS
443	442	17	23	19.4	30040	PASS

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	19569	62.10	1195	74.10	7119	86.05	1642
51.10	75914	63.05	2767	75.10	11827	87.10	743
52.10	3916	64.10	498	76.15	3959	88.00	255
54.30	59	65.10	1569	77.05	85688	89.10	153
55.10	214	66.05	168	78.10	5685	90.00	26
56.10	1922	67.10	32	79.10	5271	91.10	1254
57.10	5040	68.10	409	80.10	3747	92.00	1203
58.15	256	69.10	74198	81.10	5312	93.05	8818
59.05	30	70.10	370	82.10	1363	94.10	528
60.10	101	71.10	174	83.05	1359	95.15	257
61.00	997	73.10	1133	85.10	949	96.10	155

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	278	108.10	3919	119.10	274	131.00	501
98.10	5868	110.05	48050	120.00	300	132.00	270
99.10	5630	111.05	7566	121.00	136	133.05	229
100.05	462	112.10	1092	122.10	1706	134.00	865
101.10	3050	113.05	284	123.05	2405	135.05	2720
102.05	118	114.10	88	124.00	1026	136.05	893
103.05	1216	114.40	23	125.05	1174	137.05	1716
104.00	1608	115.00	124	127.05	90865	138.00	373
105.10	1857	116.10	1223	128.10	6946	139.05	138
106.10	613	117.10	18051	129.05	34157	140.05	528
107.10	24436	118.05	1477	130.05	3023	141.00	3992

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.00	1545	151.95	307	163.00	265	174.10	1940
143.05	1107	153.05	1235	164.00	177	175.10	3148
144.00	320	154.05	911	165.00	1460	176.05	854
145.05	203	155.10	2284	166.10	1475	177.00	1594
146.00	627	156.10	3374	167.05	8440	178.05	594
147.05	2399	157.05	684	168.05	4680	178.95	6059
148.05	4767	157.95	830	169.05	950	180.10	4755
149.05	1079	159.10	581	170.00	345	181.10	1999
150.10	384	160.05	1344	171.05	337	182.05	301
151.05	409	161.00	1919	172.05	795	182.80	31
151.30	233	162.05	633	173.10	938	183.05	192

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.00	627	195.05	341	206.05	44306	217.00	11057
185.10	3034	196.10	5816	207.10	5530	218.05	1435
186.10	24345	196.70	582	208.00	983	219.10	101
187.10	6676	198.00	181938	209.10	494	221.05	11116
188.00	672	199.00	12334	210.05	485	223.10	2542
189.00	1366	199.95	902	211.10	1576	224.10	24669
190.05	199	201.30	163	212.05	337	225.10	6570
191.05	747	201.55	964	213.05	96	226.05	645
192.00	2032	203.00	959	214.15	71	227.05	10073
193.10	2077	204.05	5982	215.00	395	228.05	1332
194.05	388	205.05	10163	216.10	833	229.05	2054

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.00	438	240.00	344	251.10	199	263.15	125
231.15	836	241.05	560	252.00	221	263.85	183
232.05	332	242.10	1297	253.00	496	264.95	2229
233.05	186	243.10	1296	255.10	96592	265.95	344

DFTPPZ.M Wed May 28 12:59:49 2014 RTE

234.05	661	244.10	20024	256.10	14389	267.05	17
235.05	818	245.10	2789	257.00	1185	267.90	223
236.05	374	246.00	3674	258.05	5570	269.05	3
237.10	901	247.00	782	259.00	1054	269.90	161
237.95	58	248.05	175	260.10	248	271.05	294
238.20	17	248.95	727	261.00	234	271.50	20
239.05	400	250.00	130	262.20	54	272.10	205

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	3183	284.05	319	292.00	162	303.95	461
274.00	8337	285.10	770	293.00	1002	305.10	78
275.10	43512	286.05	171	294.00	300	307.00	19
276.10	6022	287.05	11	295.10	165	307.90	68
277.00	3704	287.90	28	296.05	12455	308.10	81
278.00	620	288.70	20	297.05	1748	309.00	97
279.00	152	289.00	59	298.15	102	310.05	242
280.00	26	289.15	84	299.15	69	311.00	55
281.05	70	290.00	132	301.05	157	311.95	76
281.90	89	290.80	22	302.00	299	312.90	33
283.10	310	291.05	83	303.10	1667	313.00	38

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.15	89	322.20	114	332.95	330	344.20	17
314.05	739	323.10	4376	334.05	2883	346.05	895
315.00	1439	324.05	833	335.05	714	347.00	86
316.05	1002	325.10	21	335.80	43	348.00	19
317.00	144	325.90	40	336.05	77	350.00	40
318.00	18	327.00	963	339.00	116	350.95	83
319.10	23	328.00	329	340.05	65	351.20	47
319.70	19	328.90	66	341.05	541	352.05	1328
320.20	19	330.15	56	342.10	103	353.10	990
320.95	367	331.00	22	343.15	121	354.05	1391
322.00	92	332.05	356	343.95	46	355.05	284

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
356.05	37	366.75	54	379.90	20	391.80	45
357.70	23	367.10	25	380.30	24	392.05	151
358.10	32	369.20	25	383.00	717	397.00	27
359.05	147	370.10	169	383.95	134	400.95	186
360.00	32	371.00	439	384.20	58	402.05	922
361.00	26	372.00	2361	385.15	88	403.05	1293
362.80	23	373.10	579	386.00	22	404.00	609
363.70	43	373.90	26	386.80	24	405.00	60
364.00	74	374.15	44	389.10	19	407.70	18
365.00	6452	374.85	50	389.95	303	409.90	57
366.00	953	377.15	59	391.10	250	411.20	20

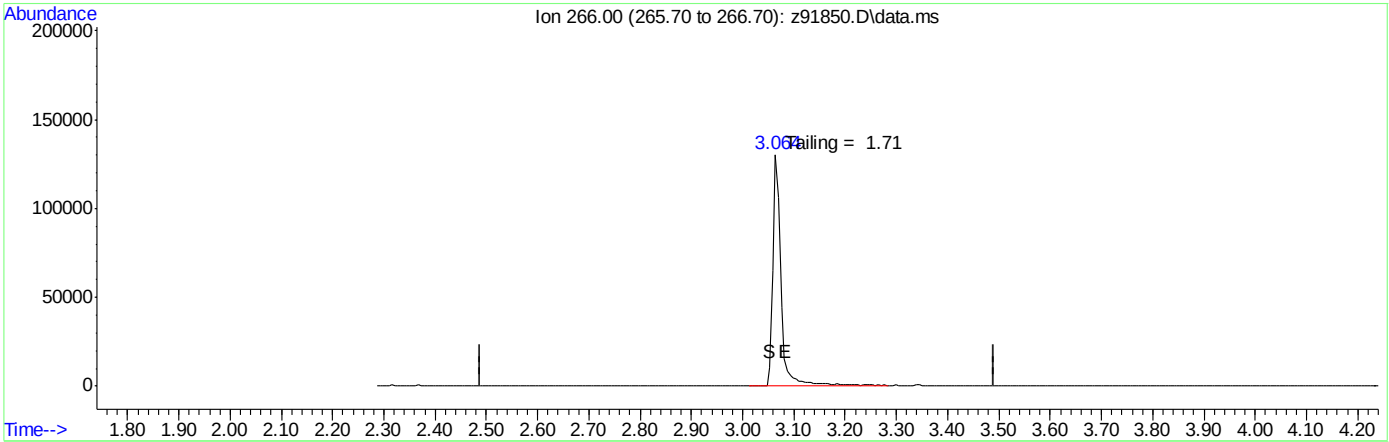
Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

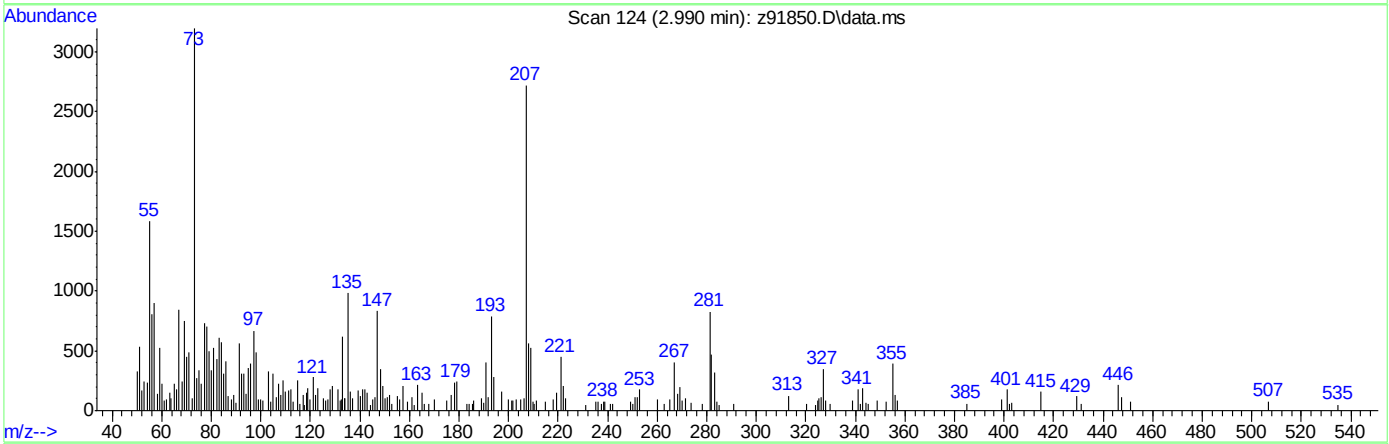
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
414.95	73	426.90	22	438.50	31	475.10	26
415.90	34	428.20	21	438.95	95	475.80	17
416.85	65	428.90	56	439.55	56	476.10	19
417.10	18	429.25	110	441.05	22306	489.10	20
421.00	1039	430.10	32	442.10	154616	492.00	18
422.10	1324	431.00	62	443.05	30040	492.20	41
423.05	8426	433.30	28	444.00	2921	495.80	25
424.10	1856	434.90	43	445.05	218	498.00	16
424.80	63	436.80	24	445.90	18		
425.00	122	437.20	25	447.10	27		
425.90	25	438.00	18	447.30	23		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

response 0

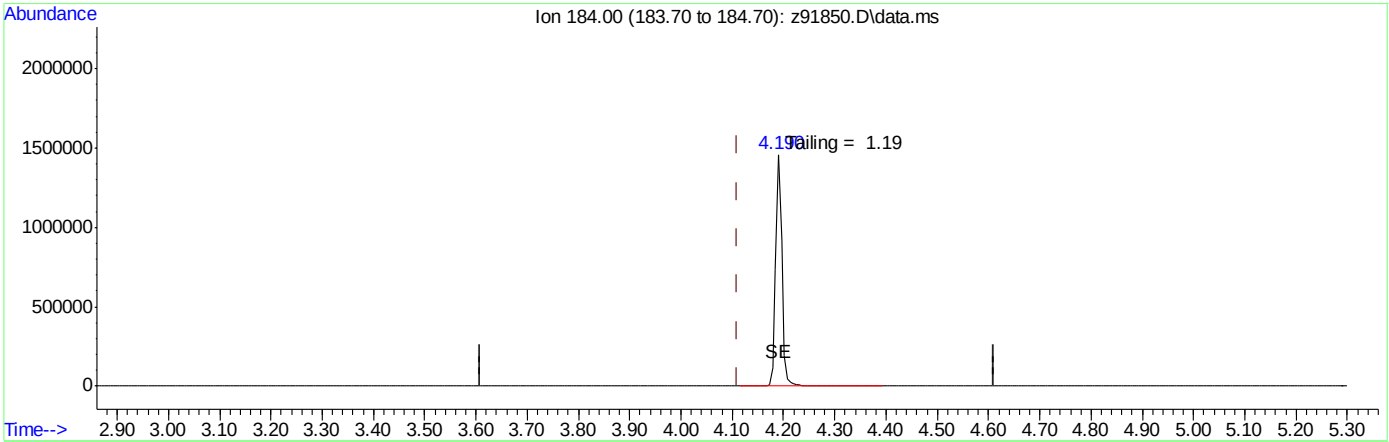
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

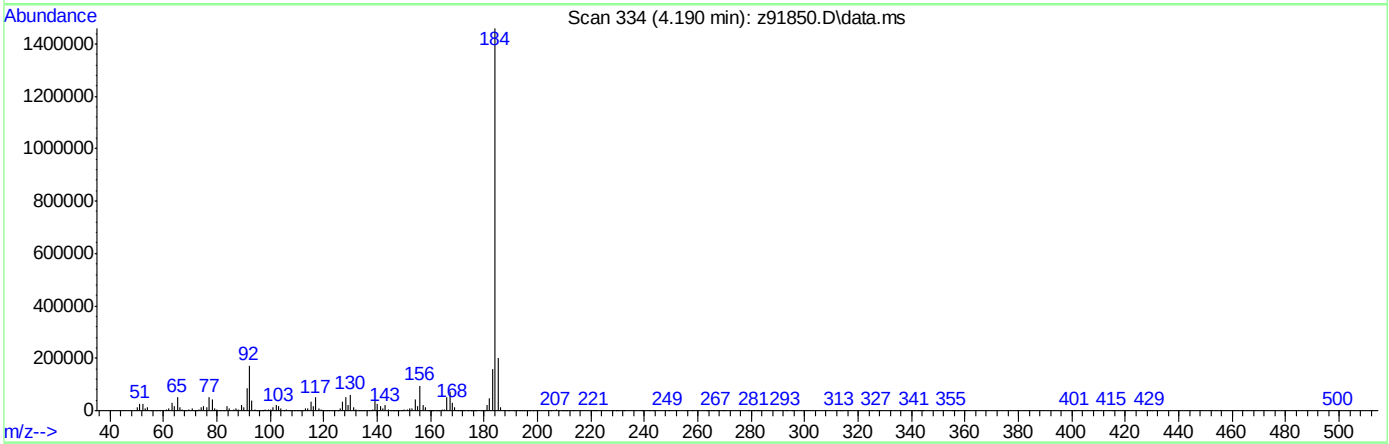
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(2) Benzidine

4.193min (+0.083) 199.44

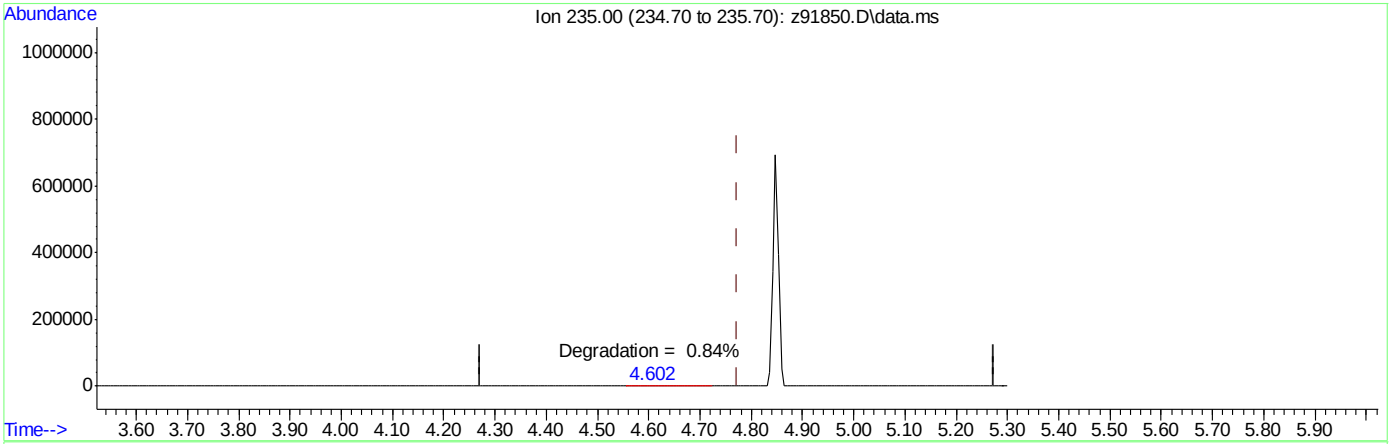
response 12115007

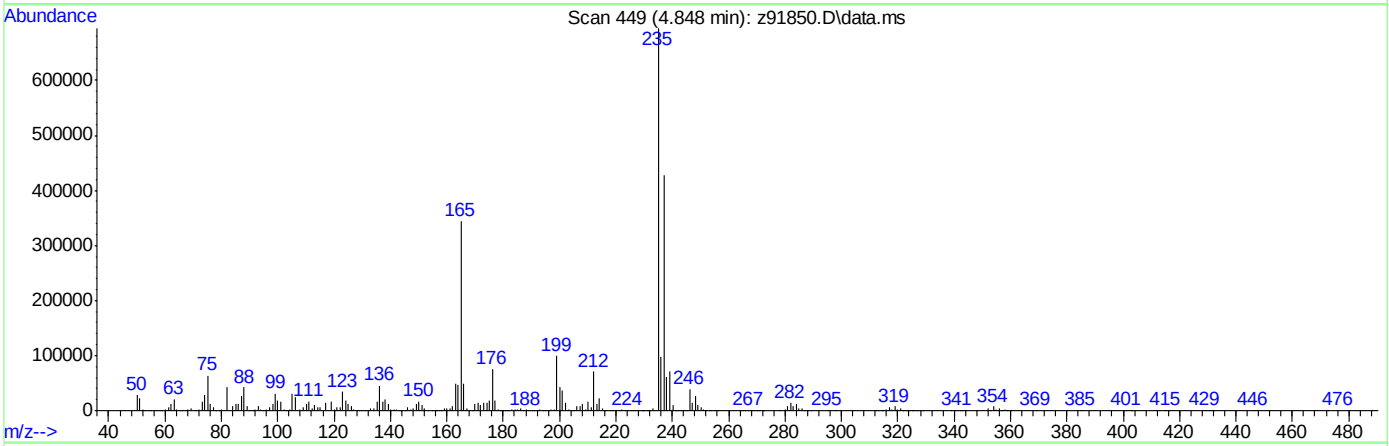
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(3) PP-DDT

4.850min (+0.077) 209.43

response 5234957

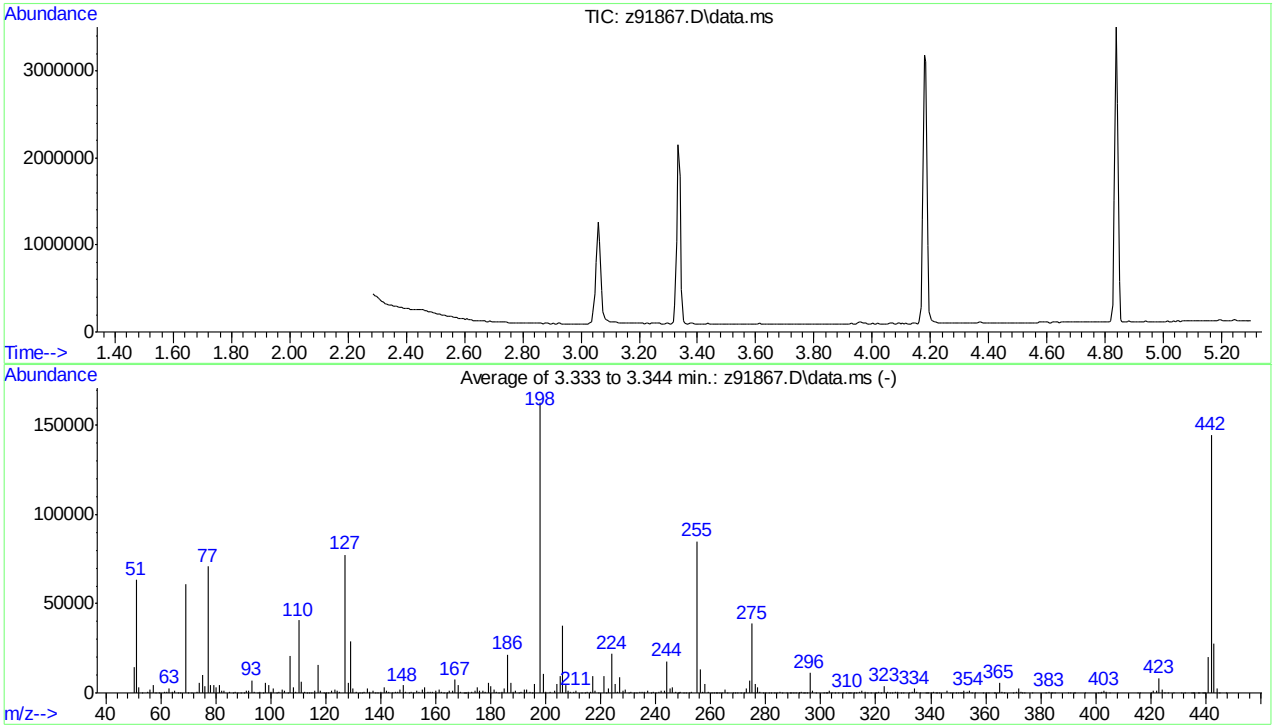
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 184, 185, 186; Background Corrected with Scan 178

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.8	63223	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.5	61130	PASS
70	69	0.00	2	0.4	234	PASS
127	198	40	60	47.6	77488	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	162856	PASS
199	198	5	9	6.6	10703	PASS
275	198	10	30	23.9	38849	PASS
365	198	1	100	3.4	5511	PASS
441	443	0.01	100	72.2	19870	PASS
442	198	40	100	88.9	144794	PASS
443	442	17	23	19.0	27528	PASS

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	14287	63.10	2530	76.15	3484	88.00	331
51.10	63223	64.15	348	77.10	70894	89.00	21
52.10	3046	65.10	1126	78.10	4605	90.20	61
53.05	230	66.05	40	79.10	4226	91.10	1021
55.10	475	67.15	56	80.05	3044	92.05	1066
56.10	2050	69.10	61130	81.10	4539	93.05	7146
57.10	4390	70.05	234	82.10	1004	94.10	582
58.05	275	71.20	287	83.05	1263	95.05	130
59.10	19	73.10	776	85.10	689	96.10	412
61.10	522	74.10	5853	86.00	101	97.10	269
62.10	906	75.05	9946	87.00	624	98.10	5685

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.05	4510	110.10	40639	121.00	178	133.00	48
100.05	388	111.00	6121	122.05	1278	134.00	716
101.05	2786	112.10	889	123.10	2177	135.05	2335
102.10	201	113.05	152	124.05	1000	136.05	888
103.05	842	114.05	143	125.10	857	137.10	1274
104.05	1693	114.90	85	127.10	77488	138.05	283
105.10	1586	116.00	1168	128.05	5813	138.90	54
106.05	207	117.05	15576	129.05	29169	140.00	445
107.10	20927	118.00	1182	129.95	2273	141.05	3425
108.10	3102	119.00	166	131.00	549	142.05	1218
109.05	517	120.05	323	132.05	201	143.05	847

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.05	324	155.05	2028	166.05	1180	176.05	1133
145.10	339	156.10	2893	167.10	7469	177.10	1370
146.05	752	157.10	713	168.10	4375	178.00	456
147.05	1761	158.00	820	169.00	656	179.00	5551
148.00	4320	158.95	561	170.10	331	180.10	3825
149.05	693	160.00	1214	170.50	38	181.10	1851
150.00	248	161.00	1812	171.05	168	182.00	344
151.05	492	162.05	601	172.00	589	182.90	220
151.85	304	163.00	125	173.05	888	184.00	469
153.05	1259	164.10	277	174.10	1380	185.05	2561
154.05	877	165.00	1160	175.10	3077	186.10	21585

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.10	5883	199.00	10703	211.05	1510	224.10	21859
188.05	634	199.95	785	213.10	139	225.10	5253
189.10	1306	201.50	862	214.10	74	226.10	837
190.05	239	203.00	1055	215.00	410	227.00	8682
191.10	612	204.05	4983	216.10	871	228.00	1369
192.00	1642	205.05	9255	217.00	9179	229.05	1723
193.00	1919	206.10	38020	218.05	1492	229.95	121
194.10	347	207.10	4395	219.00	137	231.10	757
195.05	185	208.05	1056	221.10	9152	232.05	191
196.05	5041	209.00	465	222.00	93	233.05	209
198.00	162856	210.10	358	222.95	2431	234.00	661

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.05	673	246.00	3271	257.00	939	267.85	106
236.00	439	247.05	704	258.00	5044	268.70	31
237.05	972	248.00	137	259.00	775	269.70	25
238.10	87	248.30	16	260.10	151	271.00	187

DFTPPZ.M Wed May 28 13:02:00 2014 RTE

ACCUTEST LABORATORIES
JB69123

239.05	359	249.05	642	261.00	216	272.00	172
240.00	258	250.00	137	262.00	28	273.10	2673
241.00	434	250.95	221	262.30	25	274.00	7126
242.05	1204	252.05	220	263.05	77	275.10	38849
243.10	1172	253.05	446	263.90	116	276.10	5114
244.10	17625	255.10	85146	265.00	1910	277.00	3216
245.10	2307	256.10	12927	265.90	140	278.00	586

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
279.05	160	290.00	103	301.00	171	311.00	66
280.00	19	291.05	113	302.00	231	312.10	36
281.05	186	292.00	105	302.20	19	313.00	138
282.00	230	292.20	85	303.10	1216	314.10	611
283.00	245	293.05	799	304.00	331	315.05	1257
284.05	290	293.80	30	305.10	27	316.10	812
285.10	707	294.10	176	306.20	17	317.15	97
286.05	185	295.00	296	308.05	146	318.10	23
287.80	17	296.00	11303	309.05	129	319.90	39
288.85	108	297.05	1450	309.95	159	320.10	29
289.10	49	298.05	106	310.50	23	321.05	355

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.00	234	334.10	2483	346.00	974	355.90	24
323.10	3983	335.05	539	347.05	185	359.10	163
324.10	732	336.10	107	348.10	16	360.00	18
325.05	61	338.20	18	349.30	17	361.20	40
326.00	128	338.40	17	349.90	37	363.00	21
327.00	788	339.05	130	350.80	29	363.60	20
328.05	410	340.00	48	351.15	63	364.10	51
329.00	46	341.05	417	352.00	1282	365.00	5511
329.95	43	342.00	79	353.05	813	366.00	761
332.10	331	342.30	23	354.05	1522	366.90	79
333.10	396	343.10	34	355.00	136	369.90	142

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.00	461	390.00	319	408.05	56	431.10	23
372.10	2341	390.95	275	415.10	18	432.30	25
373.00	440	391.95	117	416.20	25	434.60	20
373.20	116	392.20	28	420.10	20	435.20	22
374.05	60	396.10	21	421.00	1266	435.50	38
377.00	78	400.90	166	422.05	1155	435.70	34
381.70	17	401.90	328	423.05	8329	437.10	18
383.05	657	402.10	633	424.05	1798	437.80	22
384.00	169	403.05	1293	424.95	183	438.70	31
384.20	30	403.95	418	426.05	38	439.10	31
384.90	64	405.10	37	428.20	41	439.70	72

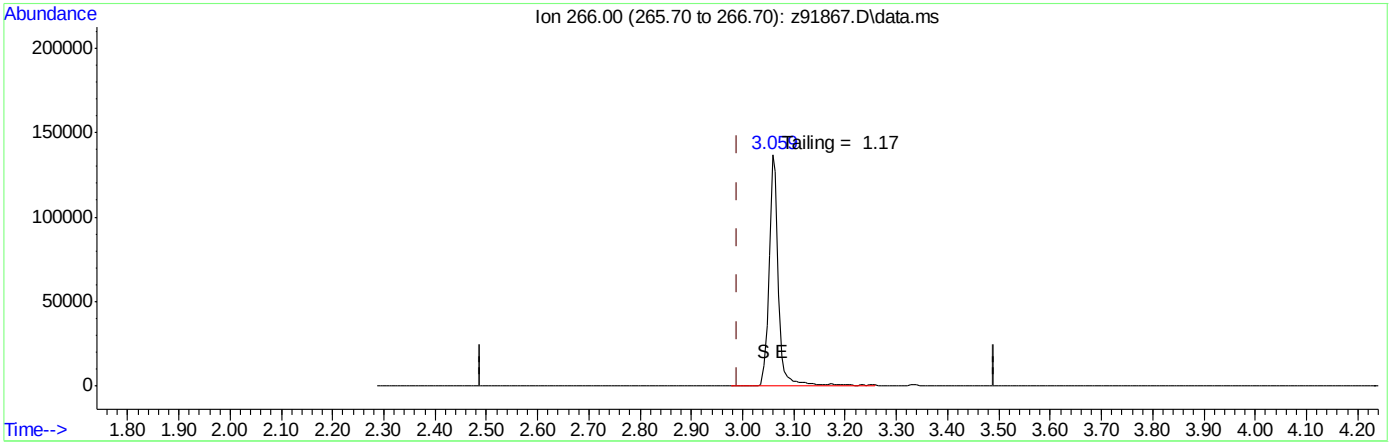
Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

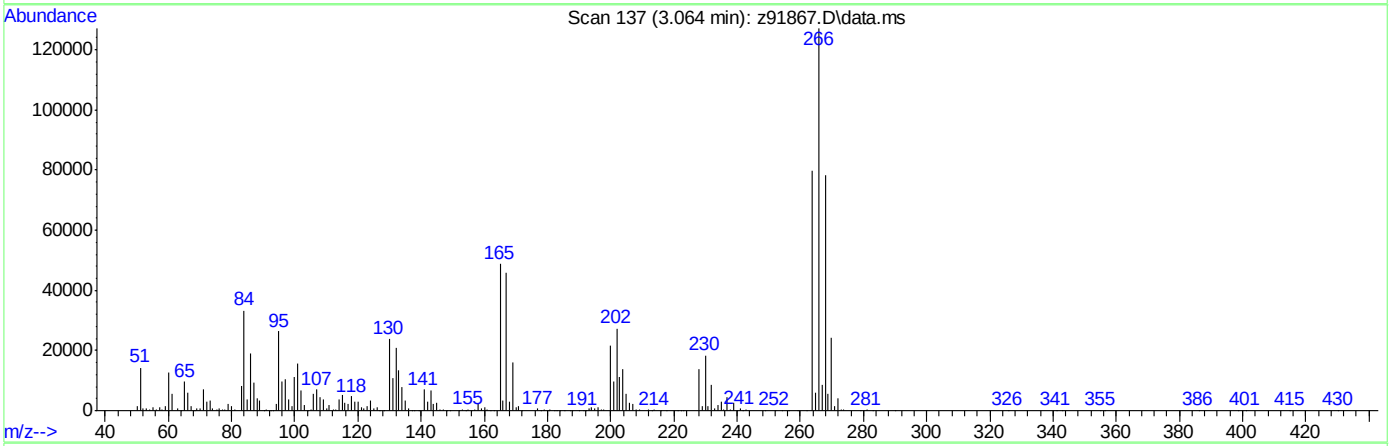
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	19870						
442.05	144794						
443.05	27528						
444.05	2356						
444.95	151						
447.30	20						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(1) Pentachlorophenol

3.063min (+0.073) 193.98

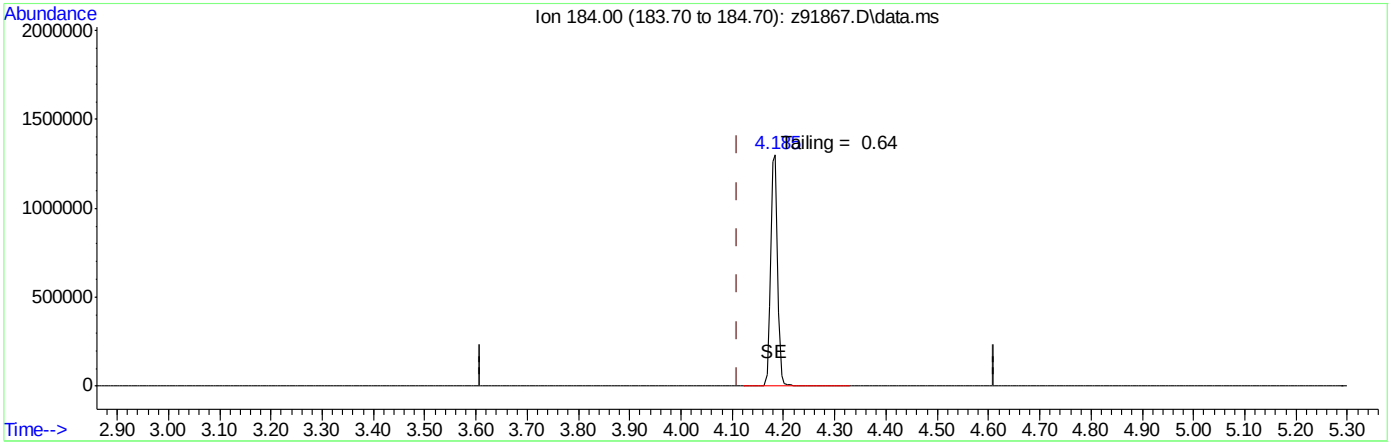
response 1682200

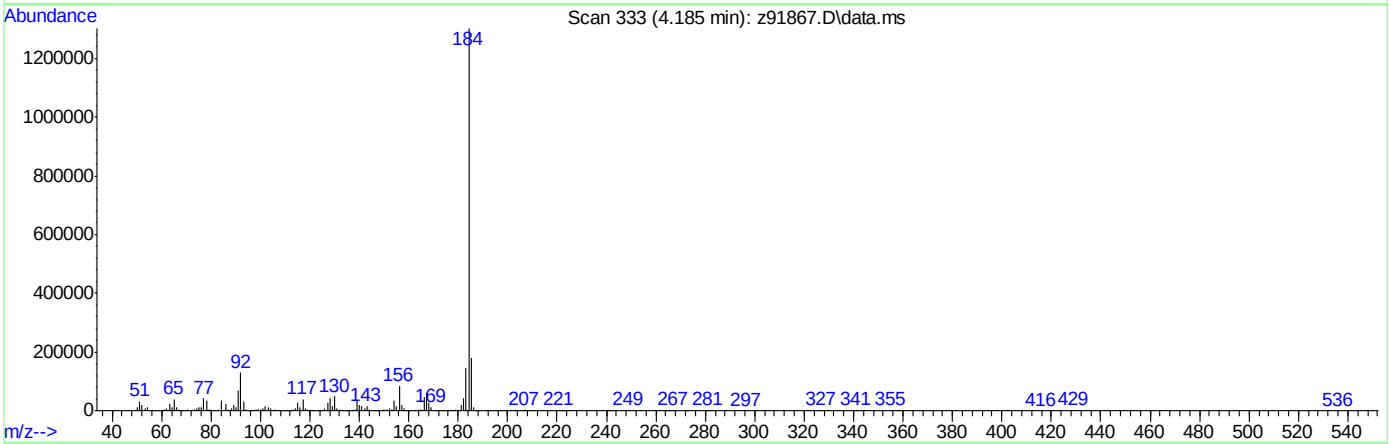
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(2) Benzidine

4.184min (+0.074) 202.61

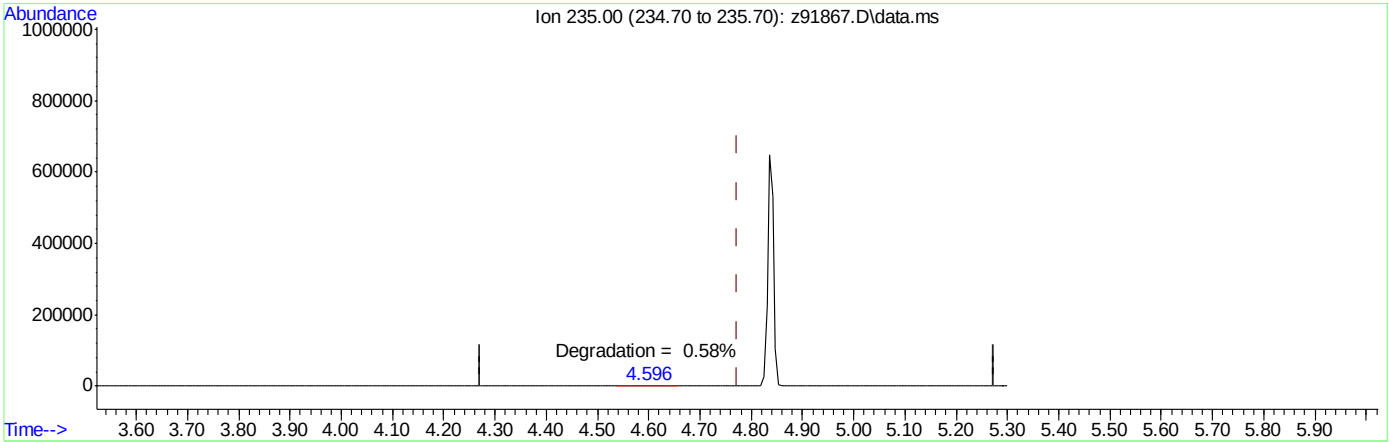
response 12307358

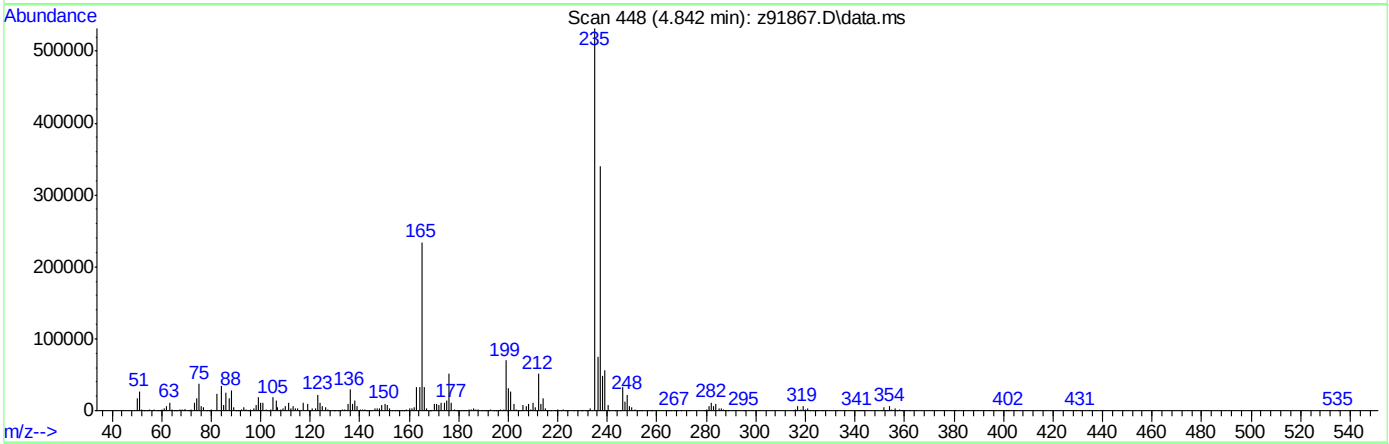
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(3) PP-DDT

4.840min (+0.067) 212.20

response 5304059

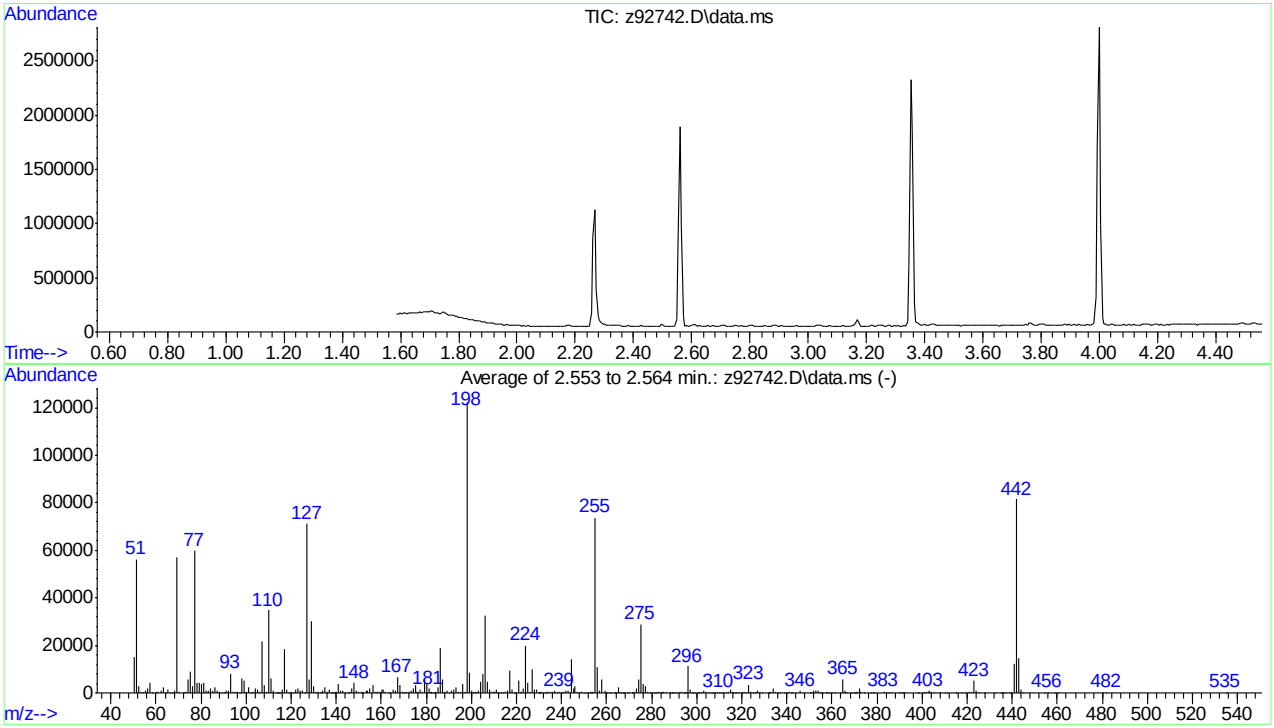
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92742.D
Acq On : 18 Jun 2014 9:48 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4607
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 170, 171, 172; Background Corrected with Scan 165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.1	56305	PASS
68	69	0.00	2	1.5	858	PASS
69	198	0.00	100	46.8	57187	PASS
70	69	0.00	2	0.9	527	PASS
127	198	40	60	58.2	71120	PASS
197	198	0.00	1	0.3	353	PASS
198	198	100	100	100.0	122133	PASS
199	198	5	9	6.9	8438	PASS
275	198	10	30	23.6	28851	PASS
365	198	1	100	4.7	5687	PASS
441	443	0.01	100	82.4	12226	PASS
442	198	40	100	66.7	81506	PASS
443	442	17	23	18.2	14839	PASS

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	14916	62.10	841	74.05	5459	85.00	843
51.10	56305	63.10	2357	75.10	8818	86.00	2189
52.05	3067	64.00	219	76.05	2927	87.00	745
53.05	450	65.05	1235	77.10	59876	87.95	709
54.05	64	66.20	129	78.05	4046	89.05	109
55.15	985	67.10	46	79.05	4327	90.20	23
56.05	1686	68.10	858	80.00	3630	91.10	943
57.10	4289	69.10	57187	81.10	4404	92.05	1108
58.15	176	70.00	527	82.05	1118	93.05	8220
60.05	262	72.10	38	83.05	1053	94.00	603
61.00	526	73.05	538	84.00	1883	95.05	336

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	356	107.10	21588	115.00	152	125.90	153
97.10	82	108.05	3101	116.05	1439	127.05	71120
98.10	6222	109.00	432	117.00	18347	128.00	5847
99.05	5076	110.00	34739	118.05	1378	129.05	30352
100.05	333	111.05	6236	119.05	158	130.05	2800
101.05	2545	112.05	835	120.05	408	131.10	723
102.00	224	112.95	54	121.00	61	132.05	330
103.05	593	113.80	41	122.05	1401	133.00	17
104.05	1669	114.00	61	123.10	1711	133.20	139
104.95	1468	114.20	22	124.05	1073	134.05	805
106.00	619	114.60	71	125.05	1022	135.00	2408

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.00	629	145.20	78	155.00	1791	165.05	1481
137.05	1215	146.05	511	156.10	3088	166.00	305
138.00	130	147.00	1789	157.10	646	166.15	855
138.20	61	148.00	4110	157.60	247	167.00	6713
138.80	12	149.00	1023	158.05	575	168.05	3516
139.15	209	150.00	563	159.05	582	169.10	670
139.85	316	151.15	630	160.10	1207	169.85	15
141.05	3578	151.50	84	161.00	1631	170.25	72
141.95	806	152.05	185	162.00	459	171.05	385
142.95	962	153.05	1161	163.10	86	172.00	585
144.05	103	154.00	963	163.80	53	173.10	807

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.05	1894	182.40	87	192.00	1550	202.20	48
175.10	3444	183.10	46	193.00	2283	203.00	1190
175.90	324	183.50	45	193.95	338	204.05	4874
176.10	496	184.00	339	195.20	282	205.05	7830
177.05	1587	185.00	2545	196.00	3635	206.10	32677
178.00	476	186.05	19067	196.90	353	207.00	4859
179.00	6362	187.05	5585	198.00	122133	208.00	1266
179.95	3991	188.05	557	199.00	8438	208.95	498
181.05	1749	189.00	1036	200.00	917	209.95	401
181.90	68	190.00	136	200.80	146	210.20	307
182.15	306	191.05	809	201.60	482	210.95	1331

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.75	181	221.80	192	230.30	46	239.10	519
212.10	195	222.00	681	231.05	702	240.00	234
213.10	164	223.00	2113	231.85	117	240.20	82
214.20	119	224.05	19879	232.90	123	241.05	495

DFTPPZ.M Wed Jun 18 21:54:54 2014 RTE

215.00	447	225.10	4421	233.20	61	242.00	1083
216.00	974	226.05	706	234.05	552	243.00	973
217.00	9526	227.00	9867	235.05	541	244.10	13989
218.05	1198	228.00	1232	235.95	508	245.10	1741
218.95	220	229.00	1632	236.90	119	246.00	2906
219.50	41	229.80	38	237.05	769	247.00	603
221.05	5301	229.95	48	237.90	109	247.95	71

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
249.00	386	258.00	5444	266.10	241	275.00	28851
249.95	32	259.05	917	267.20	51	276.00	3652
250.95	173	259.90	74	267.70	57	277.05	2955
251.95	141	260.20	57	267.95	69	278.00	512
252.70	46	261.05	217	269.05	78	279.00	112
253.05	258	261.80	33	269.90	26	280.30	18
253.30	141	263.40	60	271.00	49	281.20	41
253.95	335	263.90	54	271.20	97	281.90	73
255.00	73661	264.10	127	272.10	360	282.10	43
256.00	10833	265.00	2144	273.00	2126	283.00	340
257.00	761	265.80	213	274.00	5810	284.05	237

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
284.70	70	294.05	117	303.05	1076	313.00	93
285.05	391	294.70	42	304.05	352	314.05	638
286.05	57	295.10	120	305.20	110	315.00	1375
287.90	76	296.00	11308	306.00	31	315.90	117
288.30	33	297.00	1507	306.90	26	316.05	568
288.90	147	297.95	105	307.10	26	317.00	105
289.10	61	298.30	44	308.05	231	317.30	64
289.90	98	299.25	59	309.10	52	318.70	21
291.05	73	300.80	72	309.95	181	319.80	93
291.95	148	301.15	53	311.20	43	320.95	448
293.00	719	302.00	139	311.70	23	322.10	104

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
323.05	3350	334.10	2006	350.30	18	359.85	75
324.00	540	334.95	468	350.95	13	361.10	30
324.95	70	336.10	136	352.00	1085	364.00	18
325.80	22	337.10	20	353.00	774	365.00	5687
326.10	101	339.05	43	354.05	792	365.80	85
327.00	793	339.95	61	354.95	171	365.95	820
328.00	363	341.05	476	355.30	22	366.95	40
328.80	19	341.90	24	356.00	56	368.70	23
331.80	60	342.15	65	357.20	29	369.90	69
332.05	107	346.00	797	358.00	32	370.25	45
333.10	422	347.10	149	358.95	76	370.90	83

Average of 2.553 to 2.564 min.: z92742.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.05	280	389.90	62	403.00	776	422.10	566
372.00	1703	390.10	126	404.00	355	423.00	5071
372.95	526	390.95	97	405.05	66	424.10	859
374.05	72	391.50	21	408.10	36	425.00	44
377.10	33	392.05	38	410.00	38	427.60	41
378.10	30	398.00	25	411.10	28	432.40	82
378.50	36	398.50	19	414.80	34	435.10	23
383.05	537	400.70	70	415.10	24	435.40	23
383.95	118	400.95	148	417.60	21	435.85	48
385.10	29	402.00	437	419.10	48	437.10	50
385.95	69	402.90	148	421.00	695	438.80	34

Average of 2.553 to 2.564 min.: z92742.D\data.ms

DFTPPZ.M Wed Jun 18 21:54:54 2014 RTE

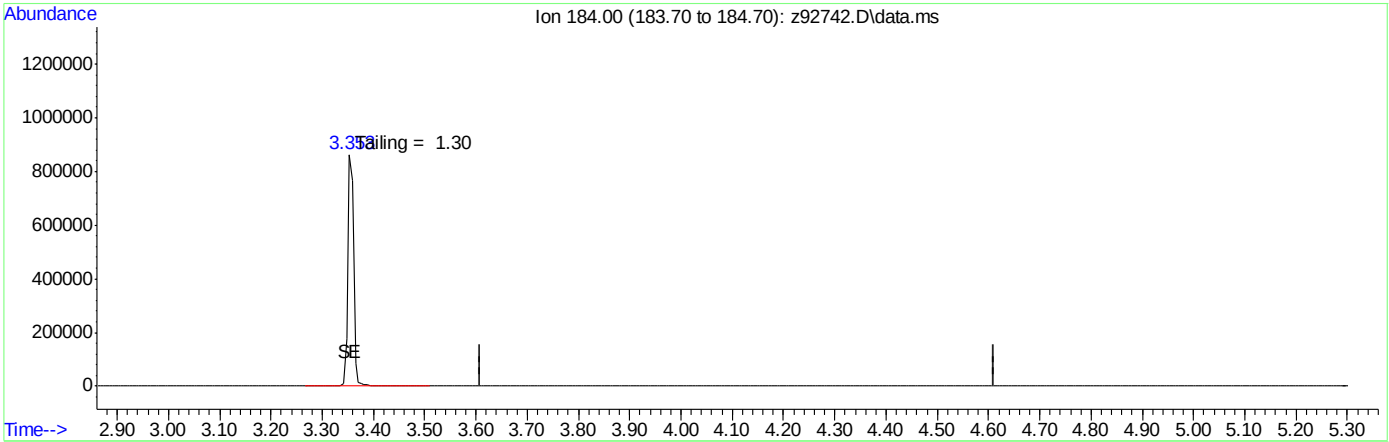
dftpp
Modified:subtracted

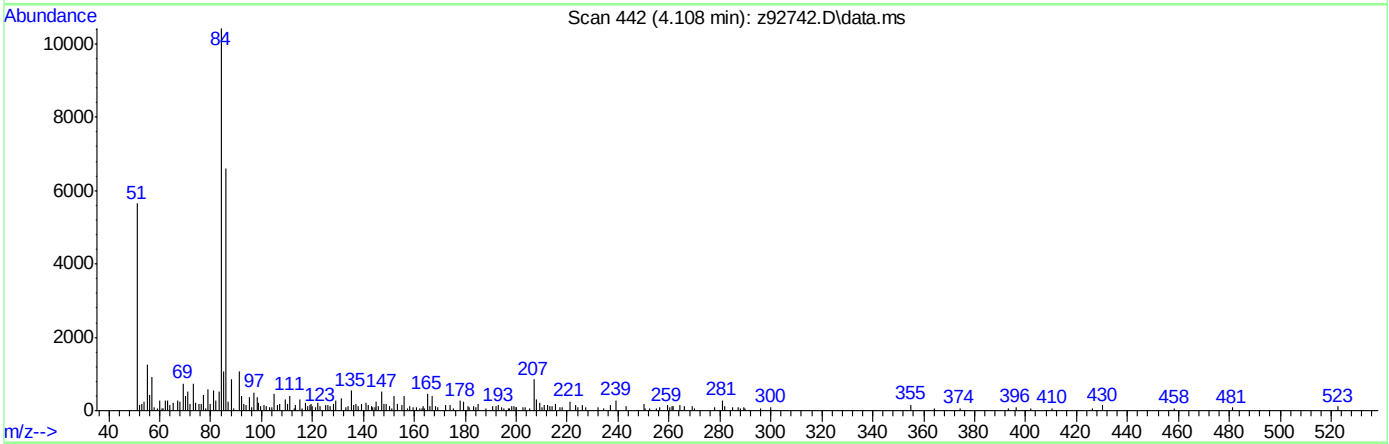
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
439.20	18	481.70	22				
441.00	12226	534.70	51				
442.00	81506						
443.00	14839						
444.00	1335						
444.95	65						
454.10	24						
455.80	46						
459.00	20						
460.10	20						
480.20	16						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92742.D
Acq On : 18 Jun 2014 9:48 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:54:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92742.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

response 0

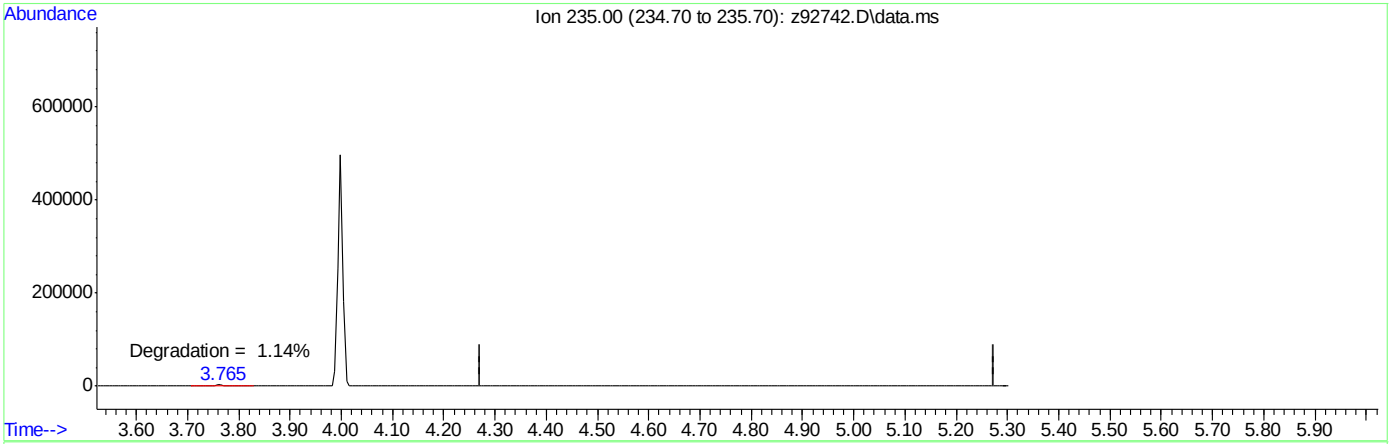
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

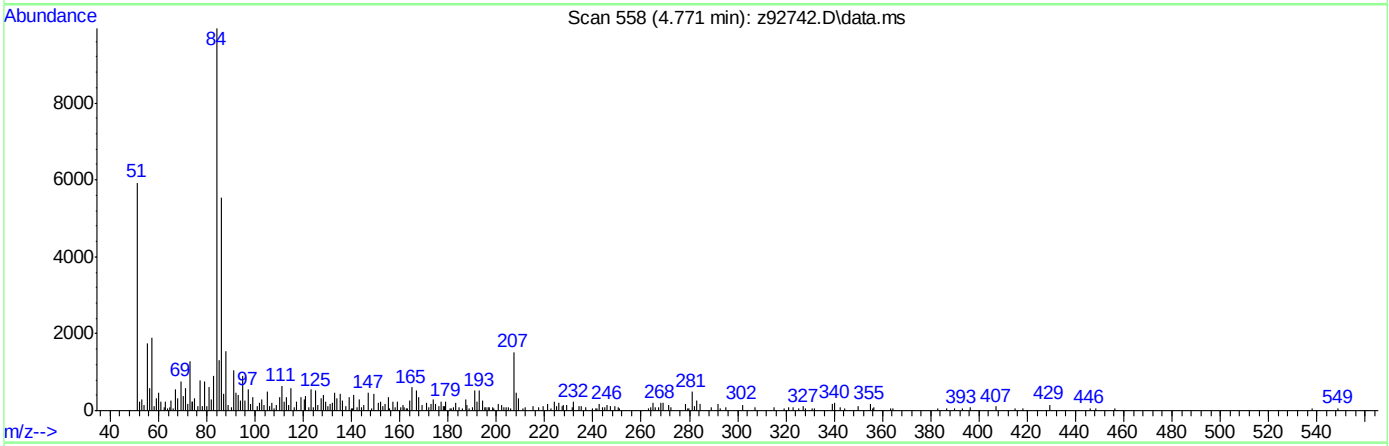
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92742.D
Acq On : 18 Jun 2014 9:48 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4607
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:54:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92742.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

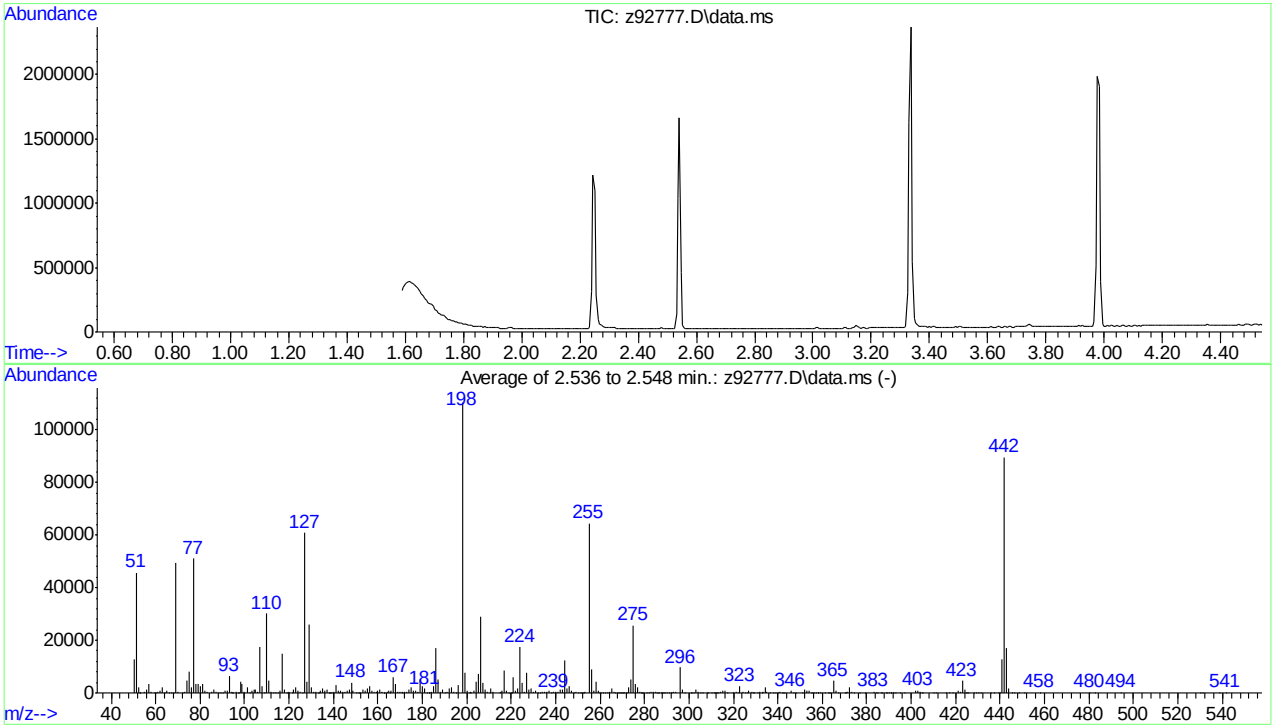
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92777.D
Acq On : 19 Jun 2014 7:10 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4609
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.4	45661	PASS
68	69	0.00	2	0.4	184	PASS
69	198	0.00	100	44.9	49553	PASS
70	69	0.00	2	0.5	262	PASS
127	198	40	60	55.1	60848	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	110349	PASS
199	198	5	9	7.0	7766	PASS
275	198	10	30	23.3	25750	PASS
365	198	1	100	4.2	4594	PASS
441	443	0.01	100	74.3	12609	PASS
442	198	40	100	81.1	89474	PASS
443	442	17	23	19.0	16966	PASS

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	12638	61.05	607	73.05	495	85.05	441
51.10	45661	62.05	718	74.10	4583	86.10	1109
52.10	2163	63.10	1948	75.05	7921	87.10	527
52.90	42	64.10	200	76.10	2205	88.00	222
53.10	22	65.15	874	77.05	50956	89.00	89
55.10	244	65.95	89	78.10	3438	90.00	186
56.10	1351	67.10	203	79.10	3560	91.10	962
57.10	3445	68.05	184	80.05	2764	92.05	1014
58.10	299	69.10	49553	81.10	3330	93.00	6570
59.25	106	70.10	262	82.10	826	94.05	513
59.80	101	72.05	103	83.10	359	94.30	31

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.90	121	105.05	1431	116.10	781	126.00	52
96.10	457	106.00	235	117.05	14910	127.10	60848
97.10	52	107.05	17370	118.05	1343	128.10	4460
97.30	71	108.05	2591	118.95	150	129.00	25839
98.05	4269	109.10	175	119.20	23	130.05	2084
99.00	3557	110.10	30063	120.00	300	131.10	400
100.00	251	111.05	4911	121.25	72	132.20	240
101.05	2172	112.05	606	122.05	1122	132.95	83
102.05	146	113.05	114	123.00	1980	133.35	20
103.10	748	113.80	34	124.00	752	134.05	706
104.10	1104	115.05	40	125.10	579	135.05	1777

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.10	908	144.00	269	154.10	892	164.15	237
137.10	1146	145.00	262	155.10	1920	164.90	948
138.00	154	146.05	669	156.10	2430	165.60	38
138.30	135	147.05	1333	157.15	687	166.05	731
138.80	62	148.00	3928	158.05	632	167.05	6099
139.10	58	148.95	703	159.05	458	168.05	3390
140.00	449	150.10	204	160.05	1009	169.10	578
141.05	2946	151.15	177	161.05	1498	170.10	228
142.05	982	151.60	155	162.00	391	170.70	134
142.70	54	151.95	202	162.90	39	171.05	269
143.00	711	153.05	1176	163.05	175	172.00	631

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.10	568	183.10	76	193.95	323	205.05	7162
173.95	1438	184.05	393	195.00	133	206.10	29176
175.05	2238	185.10	2696	195.95	3095	207.05	3759
175.95	788	186.05	17004	198.00	110349	208.10	1299
177.00	1032	187.10	5328	199.00	7766	209.05	416
178.05	562	188.10	501	200.00	707	210.00	73
179.00	5180	189.00	1246	201.20	64	211.00	1625
180.05	2703	190.00	128	201.50	260	211.80	232
181.05	1515	190.90	601	201.80	142	214.80	98
182.10	167	192.00	1664	203.10	990	215.10	253
182.90	44	193.10	1947	204.05	4199	216.05	712

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.00	8530	227.05	7846	237.90	66	249.00	464
218.05	921	228.00	1310	239.05	414	250.10	27
219.05	166	229.00	1535	240.05	335	251.10	150
219.90	133	229.95	235	241.00	327	251.70	27

DFTPPZ.M Fri Jun 20 13:52:00 2014 RTE

220.15	203	231.05	785	242.05	1087	252.10	157
221.05	5821	232.10	167	243.10	1152	252.80	50
221.85	1039	233.05	142	244.10	12312	253.15	407
223.00	1898	234.00	523	245.10	1529	255.00	64456
224.05	17392	235.05	554	246.00	2634	256.00	8971
225.05	4040	236.00	396	247.00	685	257.00	845
226.00	498	237.05	756	247.90	216	258.05	4168

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
259.10	804	268.20	35	276.05	3312	285.25	146
259.80	29	268.70	24	276.95	2223	285.90	37
260.05	70	269.20	21	278.00	534	286.20	96
261.00	54	269.90	79	278.20	65	287.20	27
262.20	19	270.20	35	278.95	77	287.90	24
263.10	158	271.00	165	279.20	23	288.20	52
264.05	263	271.70	32	281.05	150	288.90	221
265.05	1711	272.00	64	282.10	18	289.95	117
266.05	344	273.00	2023	283.00	381	291.00	93
266.85	59	274.05	5161	283.90	276	291.90	63
267.90	18	275.00	25750	284.95	319	292.10	199

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
293.05	558	306.00	46	316.10	691	328.80	152
294.10	280	307.95	177	317.00	188	329.30	17
296.05	9689	308.80	23	319.80	56	330.70	31
297.05	1506	310.15	96	321.00	336	332.00	258
297.90	60	311.10	20	322.00	218	332.65	126
300.95	21	311.70	34	323.00	2724	333.10	248
301.30	30	312.00	21	324.05	600	334.10	2029
302.05	128	312.90	97	325.05	99	335.05	594
303.10	1088	313.15	3	326.10	54	336.15	60
304.05	496	314.15	533	326.95	664	337.85	46
305.00	66	315.00	1033	328.10	269	338.70	36

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
340.00	63	354.05	723	363.50	22	379.20	29
341.05	464	354.95	106	365.00	4594	383.05	474
341.80	71	355.60	38	365.90	672	384.10	198
342.20	17	356.10	19	367.00	42	384.95	87
342.90	39	356.90	26	370.00	144	386.20	33
345.95	674	358.00	17	370.70	38	387.00	19
347.05	121	358.30	19	371.00	235	388.70	20
348.10	34	359.05	52	372.05	1936	389.05	54
351.00	113	361.10	32	372.95	322	390.00	200
352.00	1212	362.60	26	374.20	52	390.80	183
352.95	719	363.20	18	376.70	56	391.10	55

Average of 2.536 to 2.548 min.: z92777.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
391.90	37	410.10	19	425.80	33	443.00	16966
392.10	32	410.90	17	428.10	43	444.00	1590
393.00	39	415.80	29	429.10	43	445.10	51
394.85	52	417.20	18	430.40	35	446.20	44
397.00	23	418.50	42	431.15	72	448.20	27
402.00	765	420.95	757	435.50	22	450.90	17
403.05	863	422.00	651	437.10	33	457.90	40
404.00	36	423.05	4596	439.50	39	480.20	23
404.20	239	424.00	1158	439.80	40	482.60	22
405.00	23	424.90	83	441.00	12609	494.50	19
405.20	30	425.30	43	442.00	89474	530.10	25

Average of 2.536 to 2.548 min.: z92777.D\data.ms

DFTPPZ.M Fri Jun 20 13:52:00 2014 RTE

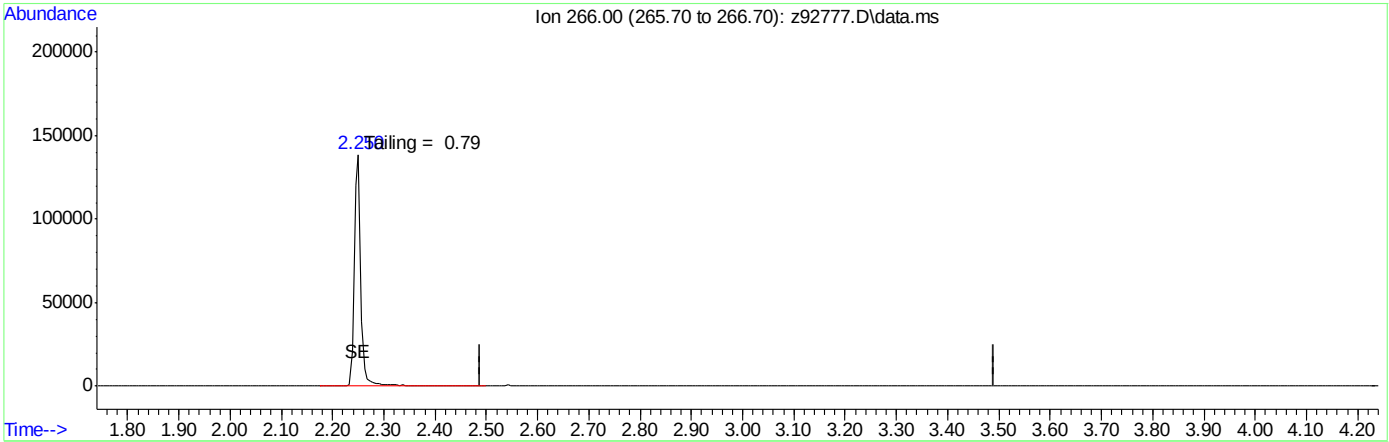
dftpp
Modified:subtracted

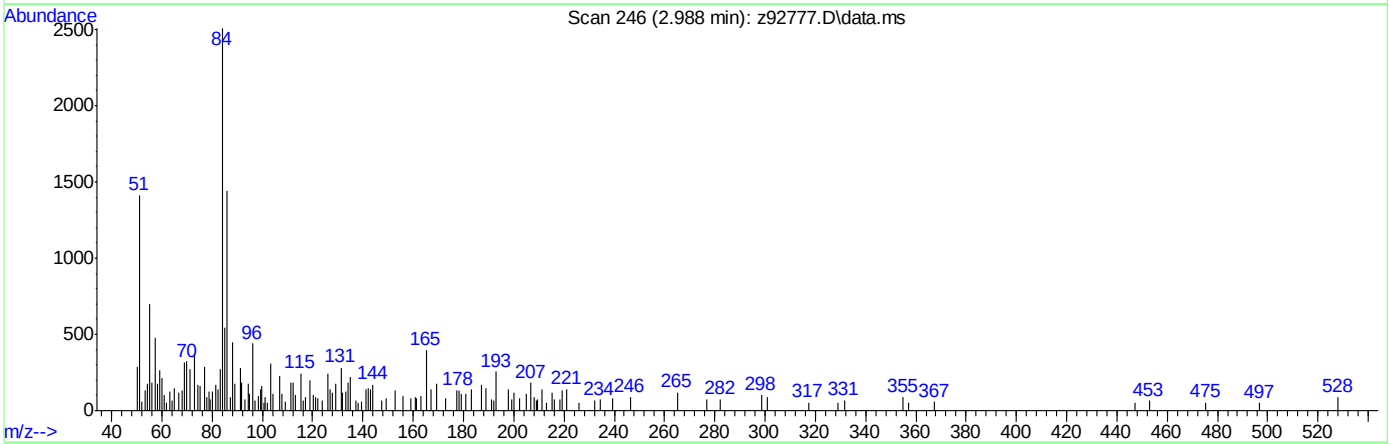
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
531.10	22						
538.50	21						
541.50	37						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92777.D
Acq On : 19 Jun 2014 7:10 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4609
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 19:15:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92777.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

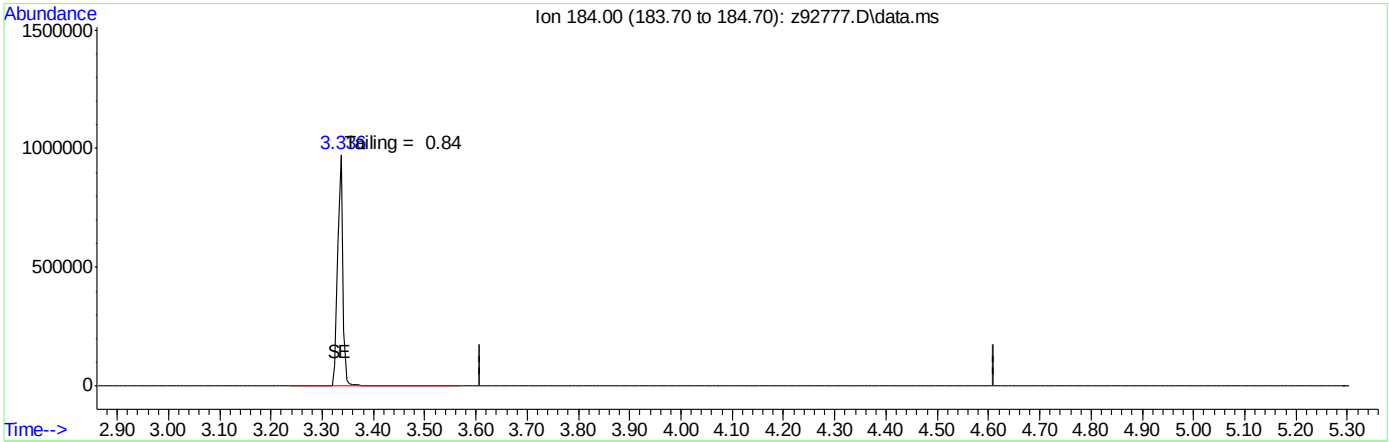
9.5.23.1

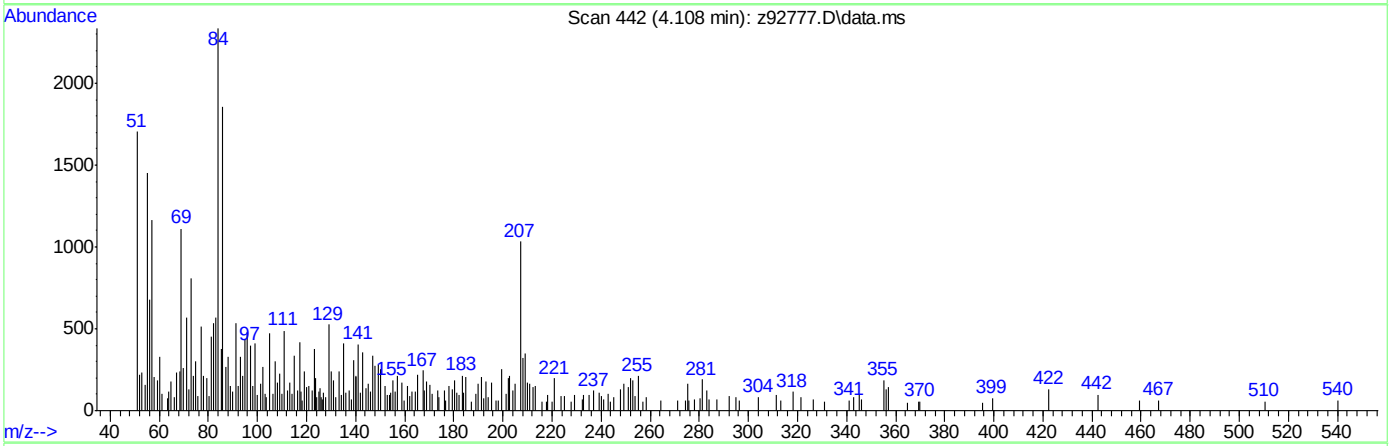
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92777.D
Acq On : 19 Jun 2014 7:10 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4609
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 19:15:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92777.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

response 0

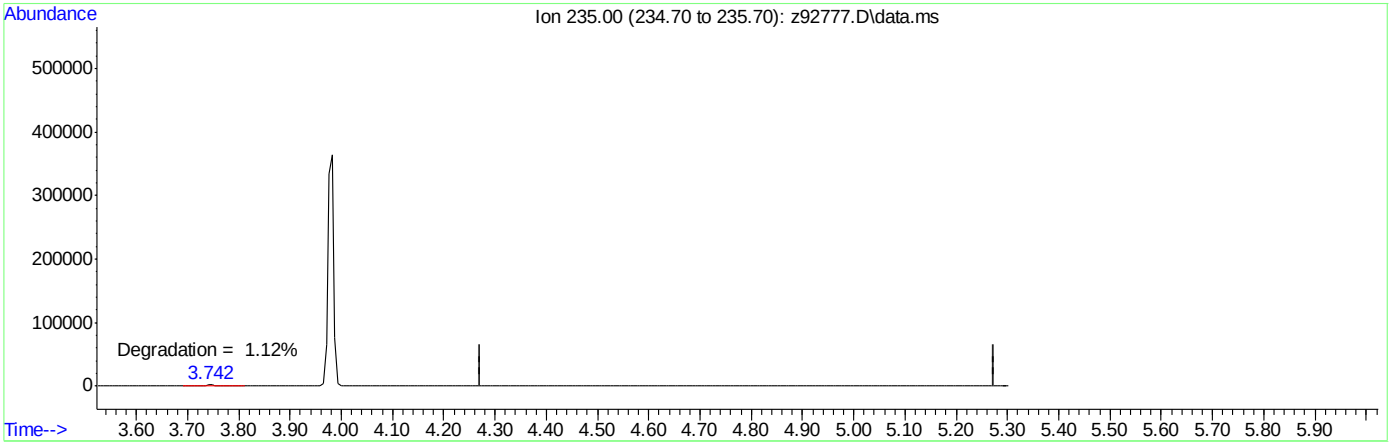
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

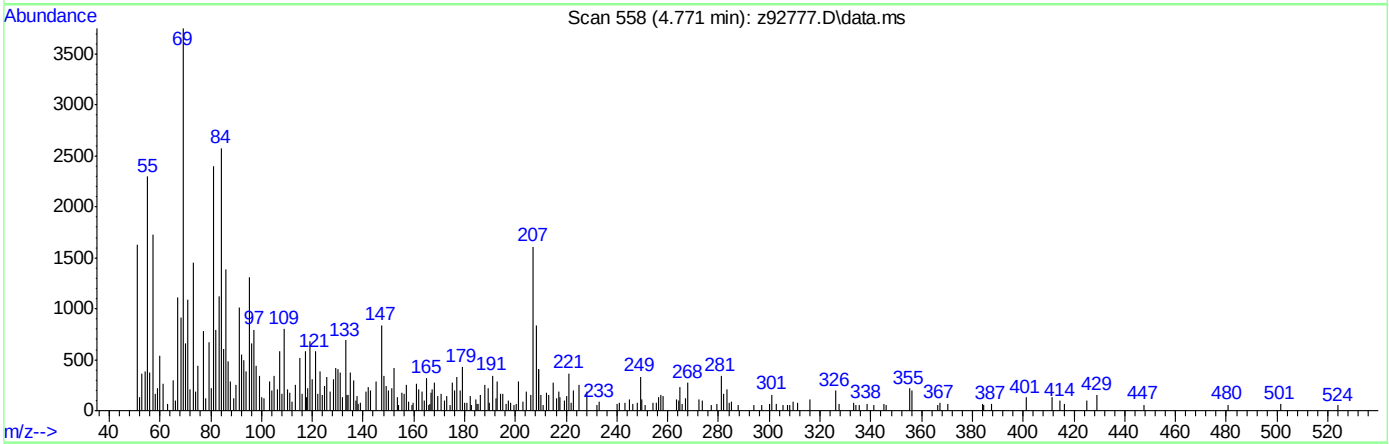
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92777.D
Acq On : 19 Jun 2014 7:10 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4609
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 19:15:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92777.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

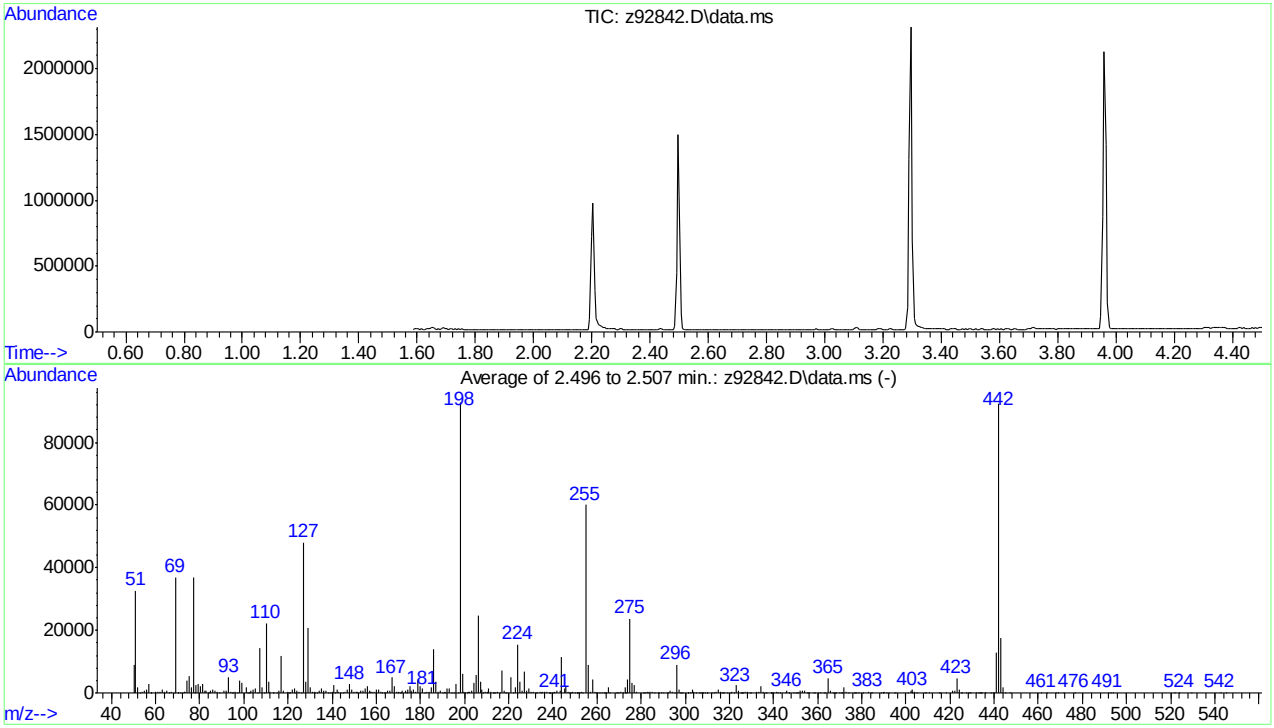
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92842.D
Acq On : 23 Jun 2014 2:00 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4614
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\msdchem\1\METHODS\dftppz.m
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 160, 161, 162; Background Corrected with Scan 155

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.2	32604	PASS
68	69	0.00	2	0.2	72	PASS
69	198	0.00	100	39.8	36887	PASS
70	69	0.00	2	0.4	132	PASS
127	198	40	60	51.9	48108	PASS
197	198	0.00	1	0.1	47	PASS
198	198	100	100	100.0	92726	PASS
199	198	5	9	6.5	6037	PASS
275	198	10	30	25.5	23643	PASS
365	198	1	100	5.2	4829	PASS
441	443	0.01	100	73.3	12728	PASS
442	198	40	100	99.8	92528	PASS
443	442	17	23	18.8	17376	PASS

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	8880	61.10	475	71.15	92	80.10	1990
51.10	32604	62.15	468	72.15	51	81.10	3020
52.10	1718	63.20	1253	73.00	297	82.10	613
53.10	33	64.05	204	73.10	224	83.10	665
54.10	198	65.05	788	74.10	3852	84.00	50
55.10	684	66.15	54	75.10	5430	84.30	69
56.10	913	67.20	290	76.10	1864	85.10	691
57.05	2848	68.40	72	77.05	36881	86.05	919
58.00	120	69.10	36887	77.80	84	87.00	633
58.15	97	70.00	89	78.05	2365	88.00	200
60.10	459	70.20	132	79.10	2698	88.95	101

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	906	101.85	17	111.05	3431	122.05	966
92.10	595	102.10	88	112.05	450	123.00	1315
93.10	5054	102.80	64	113.10	168	123.20	128
94.05	246	103.05	644	113.30	43	124.00	609
94.30	130	104.05	1189	115.05	44	125.10	531
95.10	50	105.00	1500	116.05	760	125.80	50
96.00	341	106.10	114	117.10	11913	127.10	48108
97.15	157	107.10	14177	118.05	801	128.10	3642
98.00	3954	108.05	1977	120.00	221	129.05	20804
99.05	3215	109.05	58	120.30	43	130.05	1835
100.95	1805	110.10	22346	121.20	191	131.00	349

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.90	253	141.20	123	151.40	207	161.10	1231
132.20	112	142.05	999	151.80	94	162.00	310
133.00	57	143.00	507	153.00	737	162.80	54
134.00	633	143.95	148	154.05	633	163.80	59
135.00	1391	145.00	95	155.10	1310	164.20	19
136.10	662	145.95	418	156.05	2174	165.00	715
137.05	869	147.05	1034	157.05	706	166.05	865
138.05	31	148.00	2785	157.60	192	167.05	4898
139.05	88	149.05	1165	158.05	523	168.00	2184
140.05	248	150.10	239	159.05	467	169.05	378
141.00	2471	151.10	437	160.10	926	169.70	78

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.10	206	178.05	215	189.10	844	199.00	6037
170.90	185	179.05	4179	190.05	61	199.90	301
171.20	92	180.05	2313	191.00	199	200.10	133
171.95	571	181.05	1328	191.15	99	201.10	184
173.10	667	182.00	167	192.00	1299	201.50	279
173.80	41	182.95	196	193.10	1311	202.05	227
174.10	1125	184.00	350	194.00	190	203.00	706
175.10	2092	185.05	1884	195.00	17	204.00	3360
175.60	29	186.10	13919	196.00	2902	205.10	5833
176.05	660	187.10	3731	196.90	47	206.10	24793
177.05	910	188.00	396	198.00	92726	207.10	3441

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.05	1010	216.10	103	227.00	6972	237.05	538
208.30	103	217.00	7004	228.10	788	238.40	89
209.10	370	218.00	744	229.05	1347	238.60	16
210.10	206	218.40	22	230.05	192	239.00	123

dftppz.m Wed Jun 25 16:02:37 2014 RTE

210.40	51	218.90	190	231.00	511	239.80	168
210.95	1424	221.05	5085	232.05	162	240.10	135
211.85	292	222.10	23	232.90	71	240.95	350
212.80	22	223.05	1676	234.00	482	242.05	800
213.15	36	224.10	15419	234.80	30	243.15	774
213.90	18	225.10	3723	235.05	541	244.10	11303
215.05	347	226.10	602	236.00	297	245.15	1503

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.05	2281	252.15	141	262.00	63	272.60	38
247.05	540	253.05	397	263.05	54	273.00	1669
247.30	52	253.70	24	263.70	99	273.20	140
248.00	47	255.00	60001	264.00	2	274.00	4453
248.20	56	256.00	8923	265.00	1804	275.00	23643
249.00	432	257.00	418	265.85	91	276.05	3298
249.90	103	258.05	4155	268.80	68	277.05	2382
250.80	38	258.95	499	269.10	37	278.05	511
251.10	61	259.80	57	269.90	71	281.10	95
251.30	27	260.10	45	271.00	241	281.70	60
251.90	65	261.00	33	272.00	109	282.10	21

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
282.95	260	292.90	565	303.05	1089	312.10	35
283.20	25	294.05	327	304.00	301	313.20	74
284.00	263	294.95	126	305.00	38	314.05	539
285.00	379	296.00	9016	306.10	37	314.95	1041
285.95	115	297.05	1143	306.80	20	316.05	416
287.40	24	297.90	68	307.20	20	316.70	54
287.90	82	298.20	69	307.70	30	316.90	46
289.00	57	298.70	30	308.00	66	317.50	23
290.05	92	301.05	78	309.05	120	318.80	24
291.80	35	301.30	22	309.90	82	320.70	37
292.00	39	302.05	143	310.10	168	321.00	339

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.05	77	332.05	268	342.15	120	353.05	724
323.10	2422	333.05	293	342.95	70	354.10	900
324.05	570	334.10	2025	345.60	39	355.00	102
325.05	64	335.05	373	346.05	560	355.80	51
325.50	18	336.30	30	346.90	26	356.00	24
325.90	56	336.90	19	347.20	24	358.40	35
326.40	18	338.90	31	349.20	21	358.90	110
326.95	441	339.10	44	350.00	75	360.30	46
327.95	413	339.60	24	350.60	23	361.00	16
329.00	106	340.00	38	351.00	115	362.60	22
329.70	22	341.15	461	352.05	822	363.30	29

Average of 2.496 to 2.507 min.: z92842.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.00	4829	374.00	17	389.90	38	405.00	87
366.00	660	376.40	35	390.05	299	408.20	36
366.80	19	376.70	108	391.10	115	408.80	20
367.20	21	377.70	18	392.00	90	410.30	45
367.60	20	378.30	42	394.80	19	414.95	94
368.30	45	380.70	23	395.40	23	415.60	21
370.05	118	382.95	364	401.00	59	418.20	23
370.90	161	383.85	91	402.10	581	421.00	640
371.10	25	384.70	38	402.70	87	422.00	637
372.10	1624	388.70	26	402.95	911	423.00	4833
373.10	496	389.80	101	404.00	422	424.00	1072

Average of 2.496 to 2.507 min.: z92842.D\data.ms

dftppz.m Wed Jun 25 16:02:37 2014 RTE

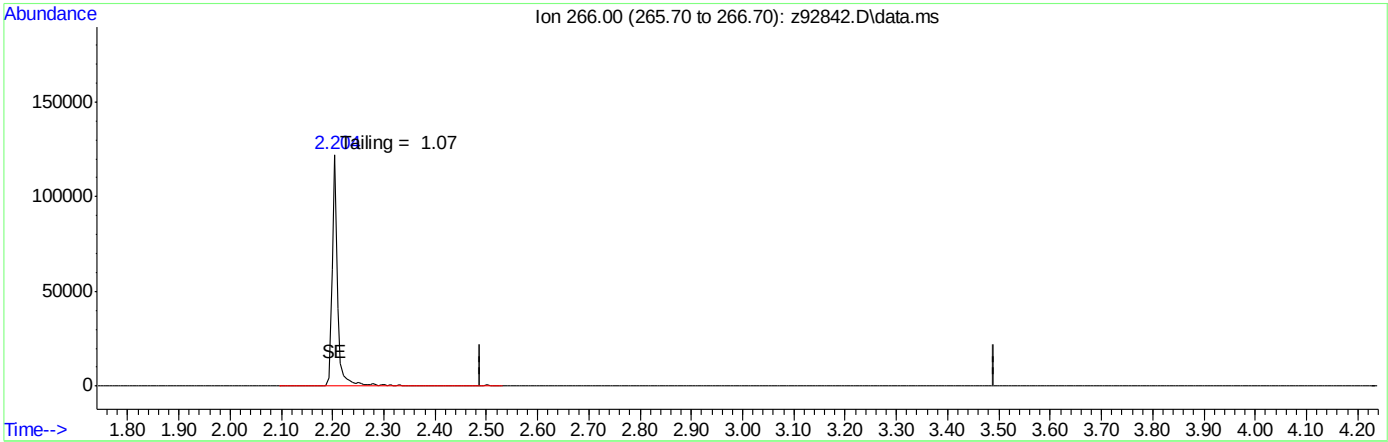
dftpp
Modified:subtracted

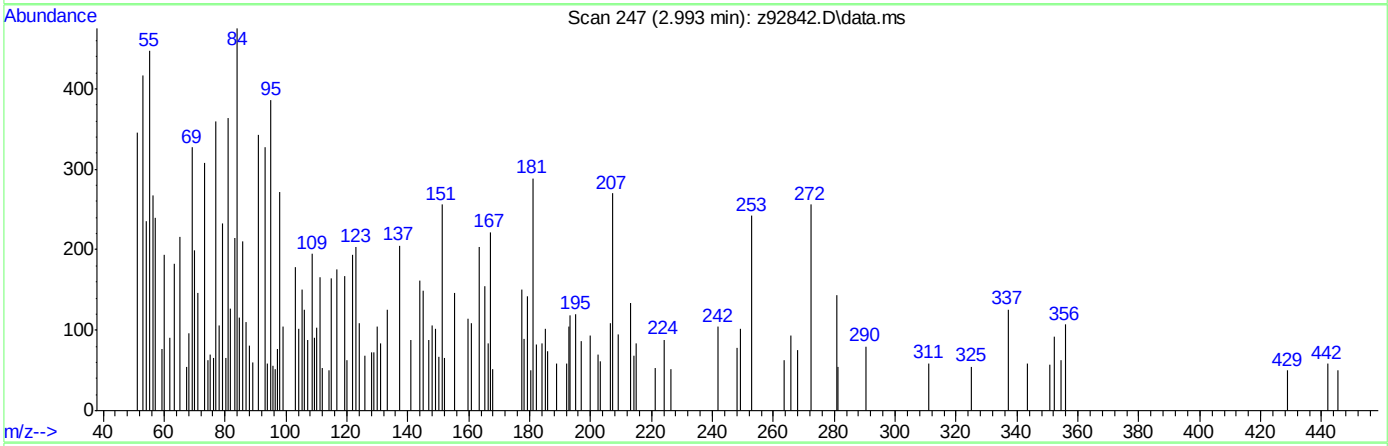
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
425.00	107	434.30	22	446.95	47	523.80	22
425.30	24	435.70	36	461.30	32	529.20	19
427.40	65	436.10	18	463.90	20	542.50	23
428.30	22	438.45	59	467.90	16	544.90	16
428.60	18	439.30	95	468.70	24		
429.30	17	439.90	23	471.60	26		
431.60	22	441.00	12728	476.30	17		
432.60	42	442.00	92528	491.60	29		
433.10	16	443.00	17376	492.90	25		
433.60	23	444.00	1758	493.70	16		
433.80	17	445.00	104	521.50	21		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92842.D
Acq On : 23 Jun 2014 2:00 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4614
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 16:02:05 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92842.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

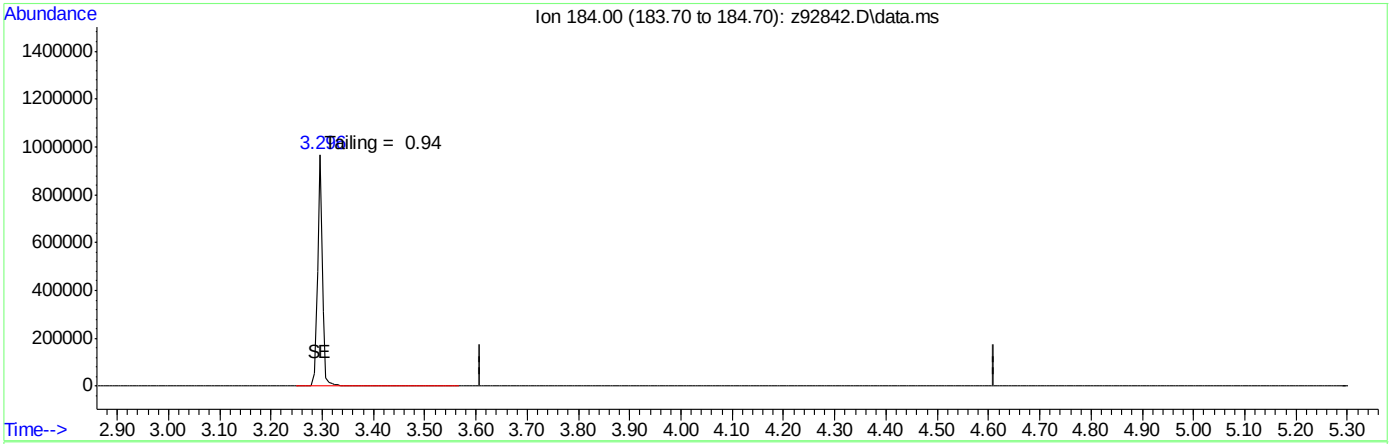
response 0

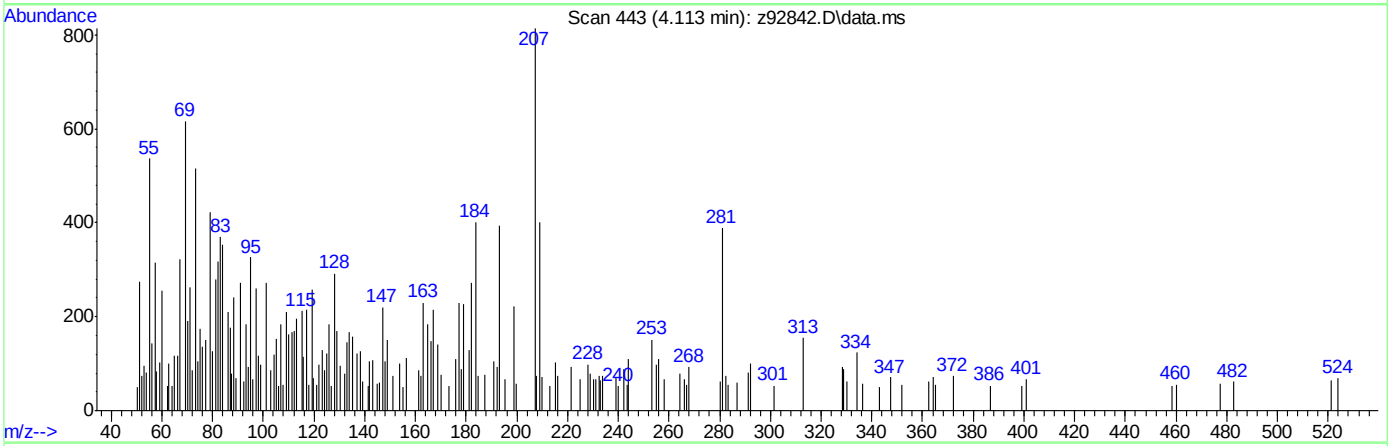
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92842.D
Acq On : 23 Jun 2014 2:00 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4614
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 16:02:05 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92842.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

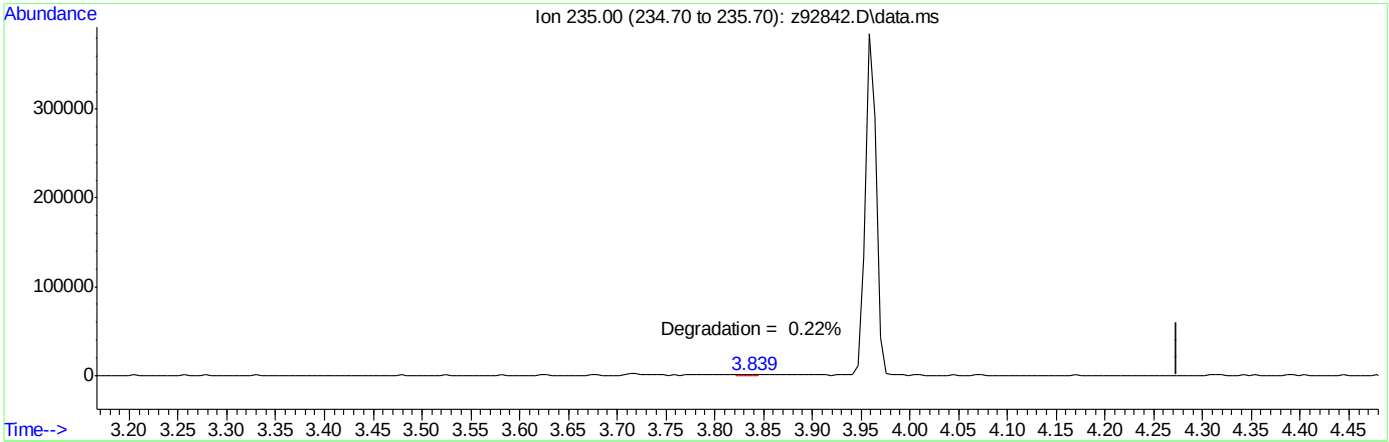
response 0

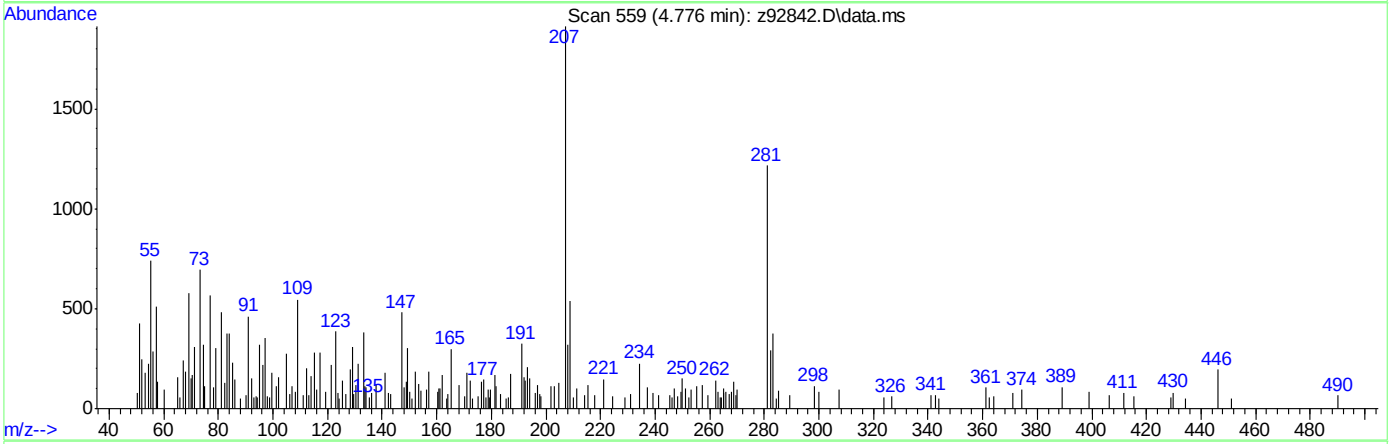
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92842.D
Acq On : 23 Jun 2014 2:00 pm
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4614
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 16:02:05 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92842.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.24.3

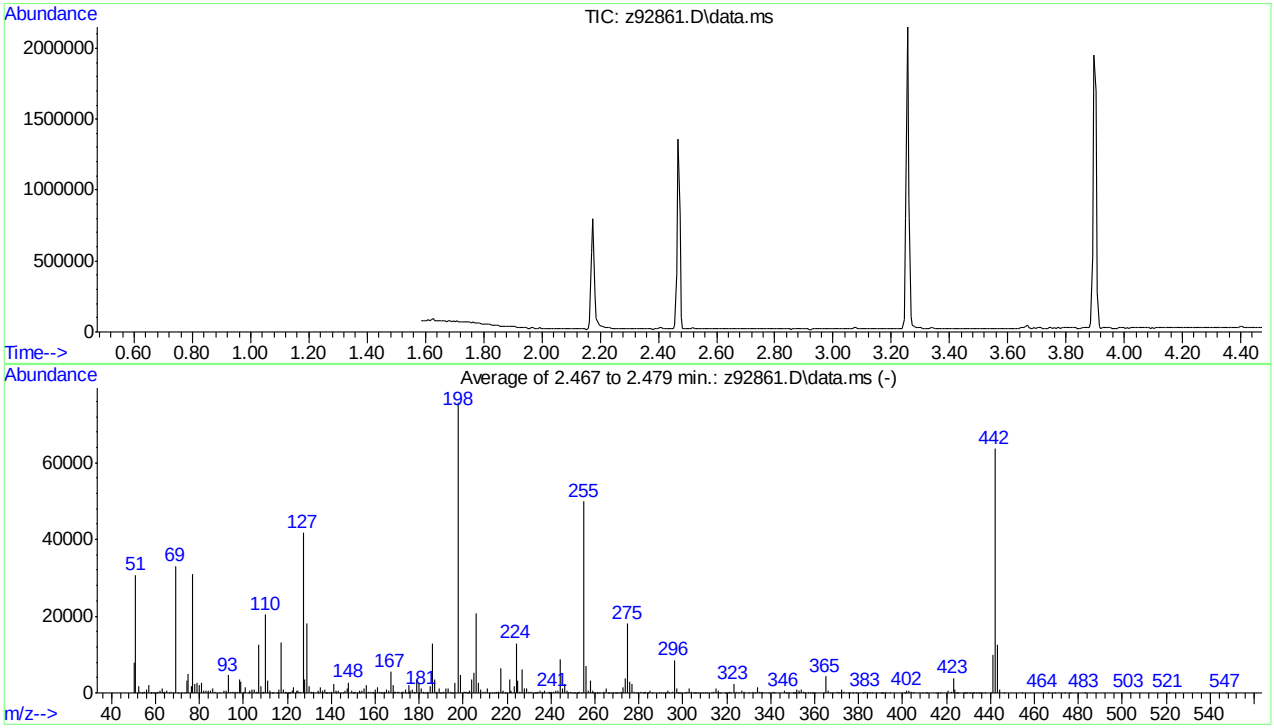
9

DFTPP

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92861.D
Acq On : 24 Jun 2014 11:23 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4615
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\msdchem\1\METHODS\dftppz.m
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 155, 156, 157; Background Corrected with Scan 150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.6	30743	PASS
68	69	0.00	2	0.4	129	PASS
69	198	0.00	100	43.7	33090	PASS
70	69	0.00	2	0.2	73	PASS
127	198	40	60	55.1	41680	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	75682	PASS
199	198	5	9	6.2	4679	PASS
275	198	10	30	23.8	18031	PASS
365	198	1	100	5.8	4376	PASS
441	443	0.01	100	79.3	10077	PASS
442	198	40	100	84.1	63669	PASS
443	442	17	23	20.0	12704	PASS

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	7802	59.20	20	68.05	129	80.05	1939
51.05	30743	59.70	50	69.10	33090	81.10	2637
52.20	1703	60.30	38	70.05	73	82.00	669
53.10	205	61.05	425	72.00	76	83.05	529
54.00	61	62.10	519	73.05	129	84.00	578
54.10	9	63.10	1313	74.10	3317	85.10	641
55.10	294	63.80	54	75.00	5017	86.00	1147
56.10	923	64.10	200	76.10	1769	86.95	273
57.05	2038	65.05	461	77.10	31072	88.90	72
58.00	37	66.00	107	78.10	2251	91.05	495
58.20	38	67.05	195	79.10	2683	92.10	725

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.10	4573	104.00	963	112.15	479	120.50	57
94.05	377	105.10	978	113.10	48	121.10	29
95.10	272	106.00	169	113.75	60	122.05	681
96.15	157	106.20	70	115.10	139	123.00	1534
97.10	287	107.05	12674	115.40	94	124.05	680
98.10	3579	108.05	1706	116.10	1003	125.05	554
99.00	2800	108.90	36	117.10	13119	125.95	311
100.10	344	109.15	302	118.05	809	127.10	41680
101.05	1442	110.05	20322	119.10	180	128.00	3460
102.20	27	111.00	3102	119.40	62	129.00	18020
102.95	461	111.90	46	120.00	134	130.00	1753

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.80	42	139.95	287	150.00	128	159.00	292
131.05	309	141.05	2223	150.20	145	159.20	86
132.05	213	142.10	718	151.05	302	160.05	910
134.00	504	142.40	34	151.85	94	161.10	1360
134.20	54	143.05	638	152.70	18	162.05	229
135.00	1540	144.15	122	153.05	693	162.35	58
136.10	520	145.05	115	153.95	450	163.10	79
137.05	874	146.05	571	155.00	1120	164.00	180
137.80	97	147.00	1183	156.05	1961	164.15	69
138.10	33	148.00	2726	157.05	438	165.00	773
139.00	95	149.05	481	157.95	344	166.05	704

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.00	5423	174.00	963	181.05	1039	189.80	137
168.00	2133	174.80	31	181.90	148	190.15	75
168.20	49	175.10	2089	182.10	212	191.05	328
168.90	320	175.30	48	183.10	110	192.00	1038
169.10	178	176.05	575	184.05	340	193.10	1034
170.15	224	177.00	825	185.05	1797	194.15	213
170.90	170	177.80	23	186.10	12862	194.90	107
171.50	19	178.05	366	187.05	3433	195.15	94
172.00	447	178.95	3426	187.80	21	196.00	2598
172.95	387	179.80	70	188.15	373	198.00	75682
173.70	18	180.05	2753	189.00	1160	199.00	4679

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
200.05	397	208.95	235	217.80	59	227.00	6063
200.85	203	210.00	173	218.05	658	228.00	1161
201.50	371	211.00	1151	219.00	59	229.00	1130
201.70	53	212.00	103	219.40	38	229.95	236

dftppz.m Wed Jun 25 12:51:36 2014 RTE

202.30	58	213.10	28	221.05	3555	231.10	447
203.05	579	214.30	35	221.70	456	232.40	65
204.10	3641	215.10	240	221.90	415	233.00	42
205.00	5305	215.30	28	223.05	1660	233.40	25
206.05	20776	215.90	304	224.10	12883	234.05	347
207.05	2736	216.05	289	225.00	3266	234.95	501
208.05	892	217.00	6329	225.90	221	236.05	328

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
236.70	22	246.00	2294	255.00	49942	263.95	235
237.10	560	247.00	465	256.00	6937	265.00	1252
238.95	301	247.90	45	257.05	648	265.95	76
239.20	24	248.90	301	258.00	3323	266.20	149
239.70	24	249.30	29	258.80	26	267.20	72
239.95	191	250.10	19	259.05	629	268.10	32
241.10	370	250.90	9	259.95	143	269.00	74
242.05	649	251.90	9	260.80	41	269.70	90
243.00	512	252.30	45	261.20	38	270.05	96
244.05	8830	253.05	304	262.10	17	271.00	133
245.10	1176	253.70	83	263.70	25	272.00	226

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.95	1462	283.00	220	295.05	187	305.20	31
274.00	3942	283.80	39	296.00	8579	305.80	29
275.00	18031	284.05	115	297.00	1234	307.10	31
276.00	2987	285.10	462	297.90	22	307.95	102
277.00	2325	286.05	101	298.10	21	308.85	111
278.00	296	289.05	141	298.95	46	310.05	104
279.00	137	290.00	61	301.00	85	311.00	19
279.30	51	291.00	82	301.95	188	313.00	136
281.05	206	292.10	100	303.00	1161	314.00	300
282.00	22	293.00	500	304.05	268	315.00	1173
282.40	33	293.90	133	304.90	25	316.05	507

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.80	57	327.95	231	346.00	550	354.00	856
317.10	46	329.90	34	346.70	59	355.10	202
319.10	31	332.05	229	347.10	55	355.30	18
319.90	24	332.90	141	348.20	19	357.00	84
320.60	53	334.00	1402	350.10	22	358.05	48
321.15	185	335.00	325	350.40	20	358.85	112
321.85	99	335.60	19	350.90	37	359.10	29
323.00	2245	336.20	32	351.10	56	359.90	67
324.10	368	338.85	64	352.05	873	363.90	23
325.05	21	340.95	362	352.60	33	365.00	4376
327.00	630	341.80	26	353.05	613	366.05	666

Average of 2.467 to 2.479 min.: z92861.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
367.10	46	381.90	17	401.00	27	417.10	22
368.15	70	383.10	384	401.20	70	420.90	561
370.05	168	384.15	100	401.95	617	422.05	342
370.95	146	385.00	41	403.05	614	423.00	3823
371.25	78	385.90	36	403.95	270	424.00	752
372.05	982	388.10	21	404.85	71	424.20	43
373.00	317	389.95	93	409.10	23	424.85	74
375.30	20	390.40	36	410.40	18	425.40	23
375.90	24	390.95	86	410.80	55	428.00	72
377.10	45	392.05	95	415.30	25	428.30	30
378.70	20	394.10	27	416.10	25	428.80	42

Average of 2.467 to 2.479 min.: z92861.D\data.ms

dftppz.m Wed Jun 25 12:51:36 2014 RTE

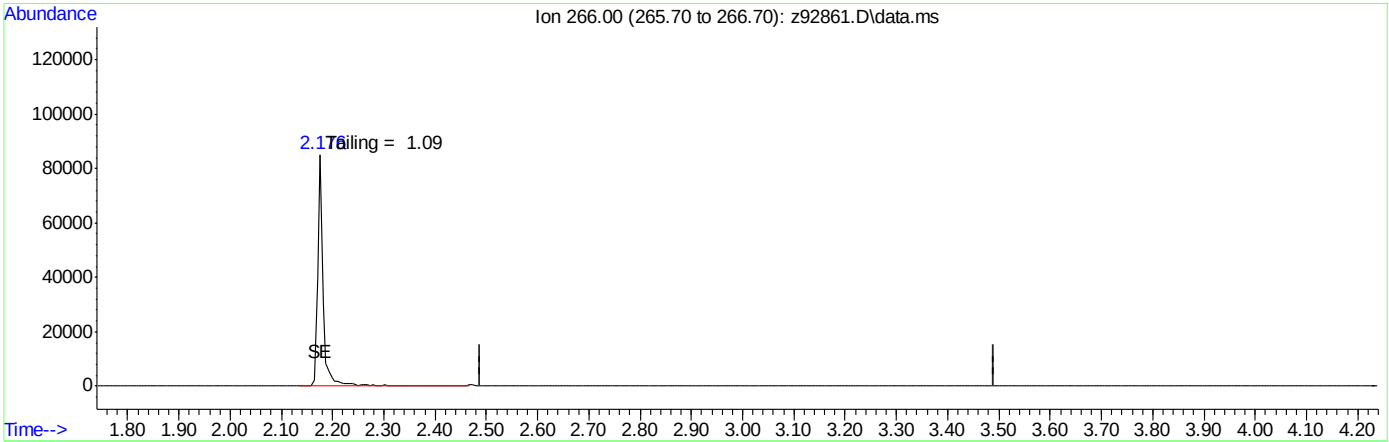
dftpp
Modified:subtracted

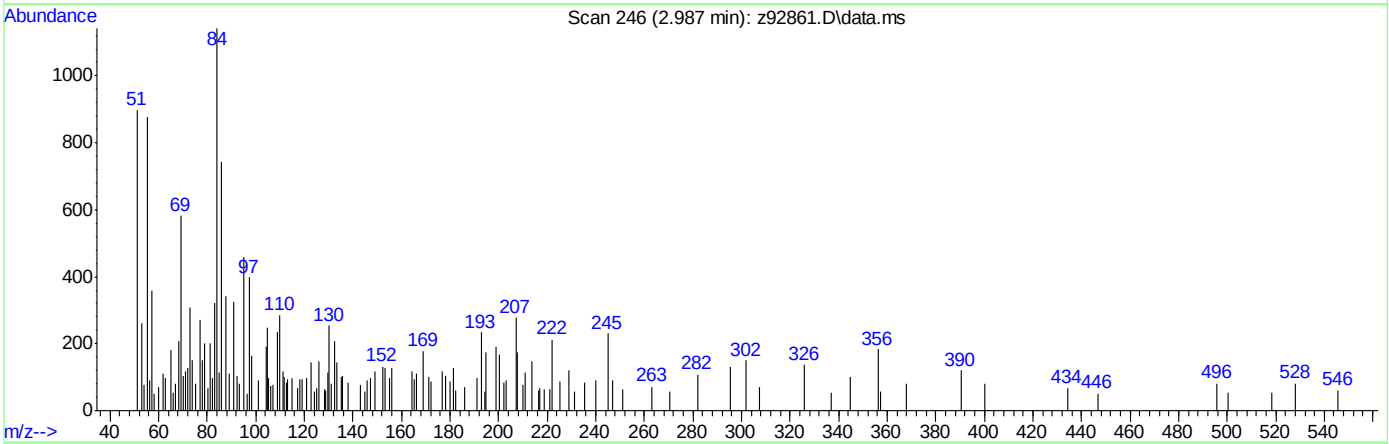
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
429.20	62	439.90	44	476.10	17		
430.60	46	441.00	10077	482.90	18		
431.10	17	442.00	63669	503.20	36		
432.00	47	443.00	12704	521.20	29		
432.55	57	444.05	985	547.00	18		
433.40	27	446.20	25				
434.50	25	454.40	20				
435.00	21	463.90	30				
435.30	17	466.10	18				
435.90	82	469.10	25				
437.30	44	473.80	25				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92861.D
Acq On : 24 Jun 2014 11:23 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4615
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:32:26 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92861.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

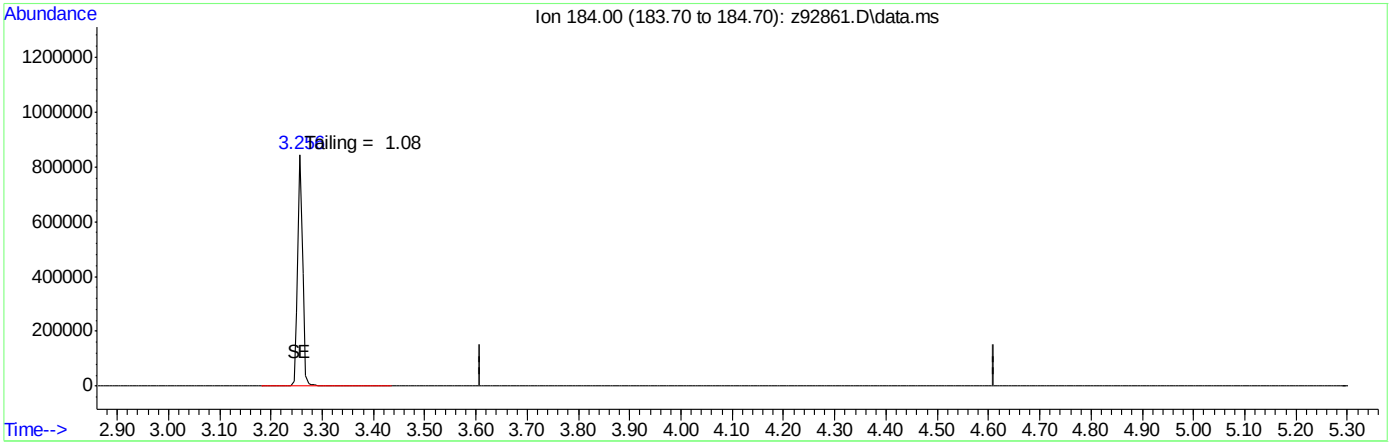
response 0

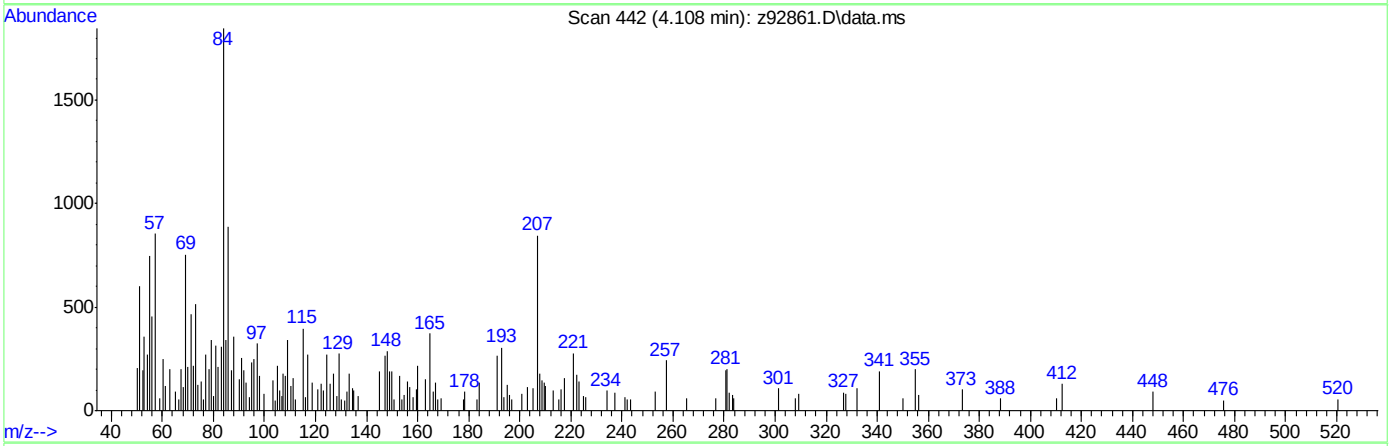
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92861.D
Acq On : 24 Jun 2014 11:23 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4615
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:32:26 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92861.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

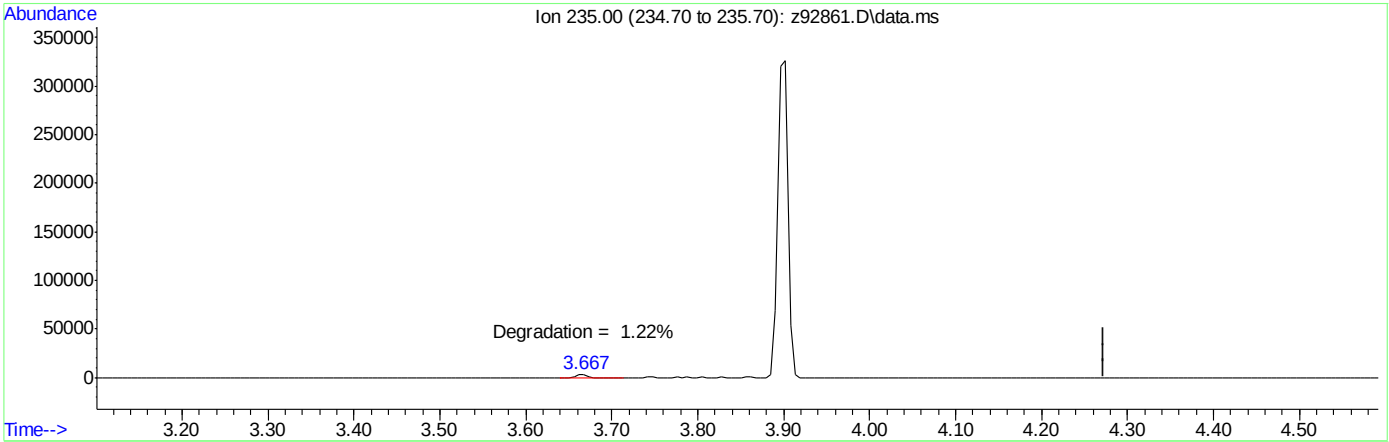
response 0

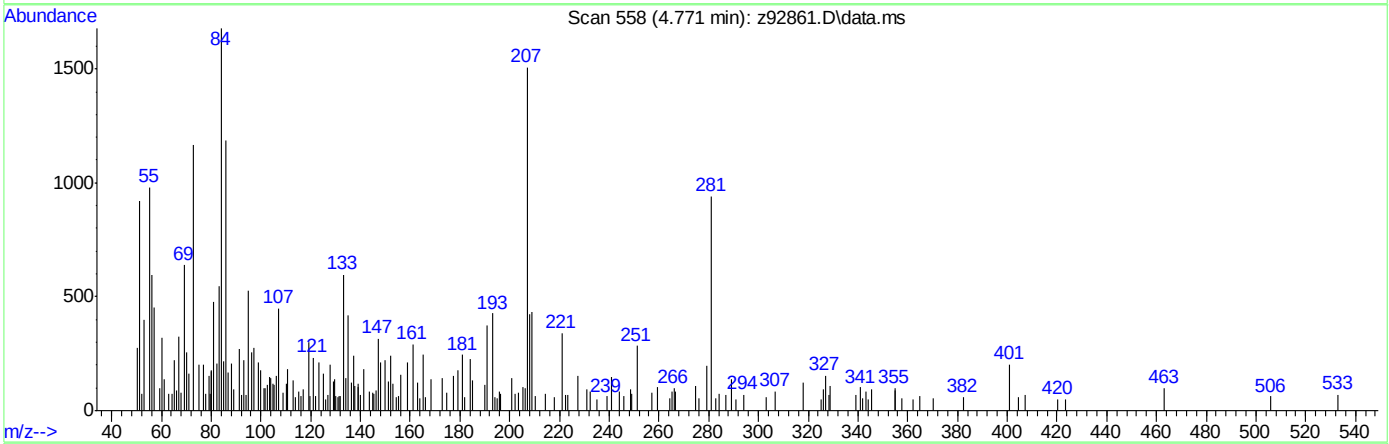
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92861.D
Acq On : 24 Jun 2014 11:23 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4615
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 11:32:26 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92861.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

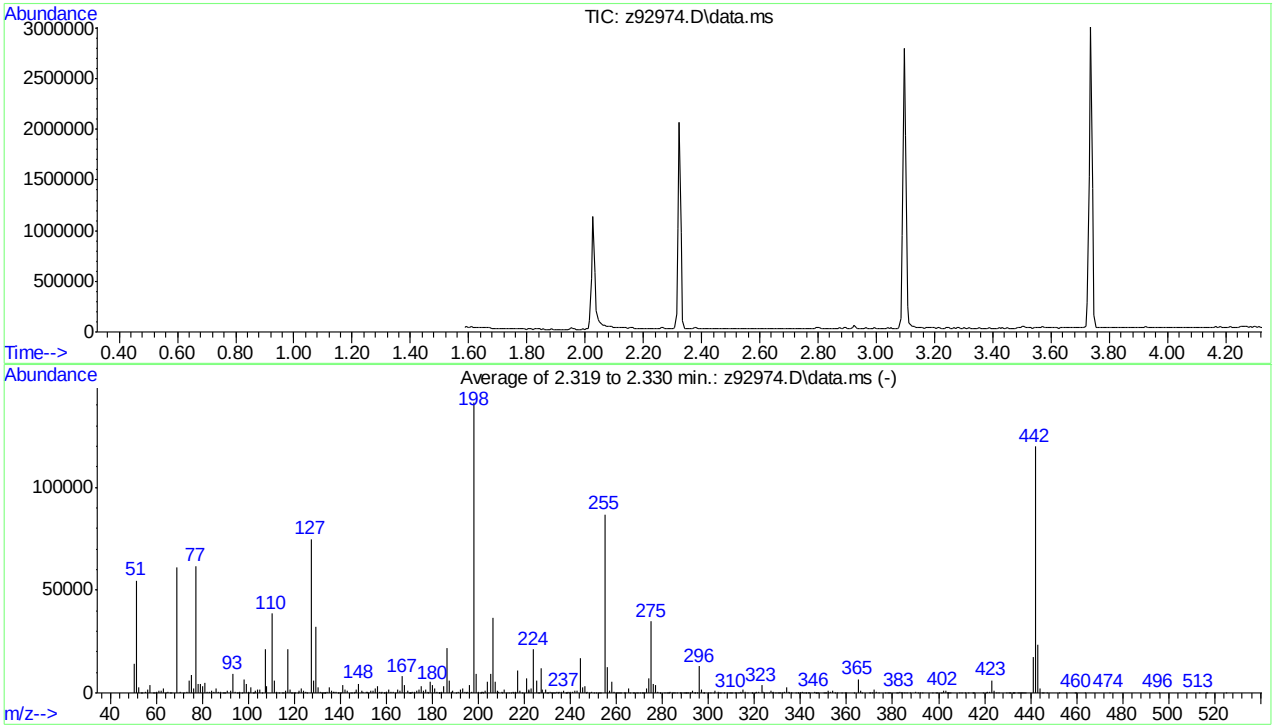
ACCUTEST LABORATORIES
JB69123

DFTPP

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92974.D
Acq On : 27 Jun 2014 10:07 am
Operator : ashleyd
Sample : dftpp
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 129, 130, 131; Background Corrected with Scan 125

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	54607	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.4	61310	PASS
70	69	0.00	2	0.5	311	PASS
127	198	40	60	53.0	74856	PASS
197	198	0.00	1	0.3	423	PASS
198	198	100	100	100.0	141202	PASS
199	198	5	9	6.7	9432	PASS
275	198	10	30	24.7	34856	PASS
365	198	1	100	4.7	6705	PASS
441	443	0.01	100	75.0	17400	PASS
442	198	40	100	84.9	119858	PASS
443	442	17	23	19.4	23215	PASS

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	14162	61.10	982	74.10	6072	85.05	479
51.05	54607	62.05	875	75.10	8844	86.00	2232
52.10	2791	63.05	2011	76.15	2429	87.00	514
53.05	79	64.05	193	77.10	61630	87.90	559
53.95	184	65.10	737	78.05	4305	88.90	39
55.10	454	66.15	160	79.05	4285	89.20	87
56.00	1612	66.50	23	80.05	3032	89.90	34
57.10	4034	69.05	61310	81.10	4670	91.00	1278
58.60	50	70.10	311	81.95	569	92.05	1201
59.25	85	71.95	36	83.10	585	93.10	9163
60.15	440	73.05	624	84.00	896	94.05	312

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	58	103.05	1061	115.20	50	124.00	948
95.30	115	104.00	1749	116.05	1178	125.05	492
96.05	345	105.05	1899	117.05	21203	125.30	103
97.05	279	106.00	19	118.00	1468	127.10	74856
98.10	6520	107.10	21122	118.70	29	128.05	5869
98.95	4593	108.05	3343	119.05	89	129.05	32264
99.80	51	110.05	38594	119.80	37	130.00	2954
100.10	349	111.10	5914	120.15	179	131.10	474
101.00	2480	112.05	749	121.30	88	131.90	96
102.05	92	113.15	275	122.00	1216	132.00	98
102.30	39	114.85	90	123.10	2236	132.70	48

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
133.05	223	140.20	189	149.95	307	158.05	782
133.30	68	141.00	3782	151.05	631	159.00	216
134.00	714	142.05	1410	151.45	339	159.20	65
135.05	2506	142.95	1174	151.90	69	159.95	499
136.05	855	144.15	118	152.20	280	160.20	451
136.90	408	144.90	151	153.00	1247	161.00	1706
137.15	781	145.90	197	154.10	1000	161.95	537
138.00	344	146.10	471	155.00	2142	163.10	395
138.80	31	147.00	1656	156.05	3203	164.05	247
139.05	204	148.00	4520	157.05	825	165.00	1430
140.00	243	149.10	1050	157.70	74	166.00	1203

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.00	7940	175.05	3486	183.10	155	194.15	568
168.00	3950	176.00	940	184.05	543	194.80	97
169.05	856	177.00	1849	185.05	3205	195.05	306
169.85	62	177.80	89	186.05	21625	196.10	3996
170.20	201	178.10	497	187.10	6238	196.80	423
170.40	37	179.00	5720	188.05	775	198.00	141202
170.70	76	180.00	3997	188.95	1249	199.00	9432
171.10	313	181.10	2146	190.05	286	200.00	711
171.95	671	181.90	455	191.10	416	200.80	40
173.05	1005	182.70	45	192.00	1819	201.00	181
174.05	1516	182.90	118	193.00	2126	201.50	636

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
201.85	439	211.00	1892	220.95	7253	229.90	66
202.10	197	212.00	70	221.75	1276	230.10	121
203.00	1336	213.20	183	222.10	1422	231.10	820
204.05	5440	214.20	63	223.00	2226	231.75	41

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205.10	9157	214.80	172	224.05	21161	232.20	42
206.10	36271	215.15	449	225.05	5807	232.60	121
207.00	5529	215.95	655	225.80	73	233.20	238
208.05	1326	216.20	244	226.10	187	234.05	363
208.90	317	217.00	10780	227.00	12220	234.70	104
210.05	777	218.00	1321	227.95	1818	235.05	735
210.30	263	218.95	154	229.05	1895	235.95	658

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
237.05	887	245.10	2475	254.95	86776	263.85	118
237.80	35	246.05	3360	256.00	12543	265.00	2340
238.10	20	246.80	130	257.00	1091	265.85	181
238.30	19	247.00	579	258.00	5699	266.95	26
239.00	395	248.00	147	259.00	780	267.75	211
239.30	101	248.95	468	259.90	19	268.70	30
240.00	419	249.95	93	260.15	53	269.05	44
241.05	467	251.05	189	260.80	106	269.95	153
242.05	1104	251.95	202	261.15	56	271.00	234
243.00	1320	252.60	77	262.05	101	271.50	51
244.10	16805	253.10	253	263.10	59	271.95	275

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.05	2443	282.80	68	289.90	93	297.05	1540
274.00	6919	283.05	371	290.20	48	297.80	38
275.05	34856	284.05	279	290.80	20	298.10	98
276.00	4633	284.85	207	291.05	72	299.90	54
277.00	4012	285.10	263	291.85	107	300.95	224
278.10	602	286.05	128	292.10	107	302.10	176
278.80	38	287.50	24	293.00	1163	303.00	1195
278.95	111	287.80	21	293.90	240	304.05	530
281.05	132	288.00	19	294.15	98	304.70	25
281.90	49	288.90	142	294.85	146	305.05	48
282.15	76	289.65	43	296.00	13033	306.85	124

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
307.90	155	317.05	115	327.00	872	335.00	649
309.05	139	318.70	45	327.80	48	335.80	46
309.80	165	319.00	86	328.05	366	336.00	23
310.15	81	320.15	57	329.10	140	338.00	74
311.70	34	321.00	388	330.20	22	338.80	67
312.20	34	322.00	299	330.50	42	339.05	96
312.80	125	323.05	3697	331.00	31	339.70	52
313.80	117	323.95	404	332.00	196	340.00	43
314.05	480	324.20	262	332.90	319	341.00	370
315.00	1469	325.10	105	334.00	2545	341.20	173
316.05	714	326.00	114	334.80	119	342.00	160

Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
342.20	54	351.90	154	365.95	847	379.00	26
343.20	21	352.05	1199	366.70	107	381.90	47
343.60	21	353.10	826	369.80	28	382.20	33
346.00	816	354.05	1293	370.10	128	382.95	581
346.50	27	355.10	189	370.90	264	383.90	82
346.80	57	356.00	23	372.05	1920	384.10	140
347.00	72	358.00	39	373.05	440	385.00	27
347.70	36	359.10	18	374.10	81	386.00	81
349.95	75	359.70	34	377.00	81	387.40	18
350.50	49	363.40	36	377.80	27	390.05	519
351.00	71	365.00	6705	378.50	20	391.05	64

Average of 2.319 to 2.330 min.: z92974.D\data.ms

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dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
391.90	152	404.80	30	421.05	822	432.50	29
392.80	51	405.00	30	422.05	766	432.80	34
397.20	42	409.20	171	423.10	6132	433.10	31
398.60	38	410.00	88	424.00	1327	434.15	50
399.20	37	411.20	35	425.00	194	435.00	20
401.00	229	412.70	54	426.10	17	435.40	71
401.95	1161	414.70	18	429.70	17	436.00	24
403.00	1131	414.90	42	430.40	31	436.40	34
403.70	142	415.20	38	430.80	43	436.90	17
404.00	180	419.10	25	431.00	43	437.20	65
404.20	172	420.90	172	432.20	22	437.60	35

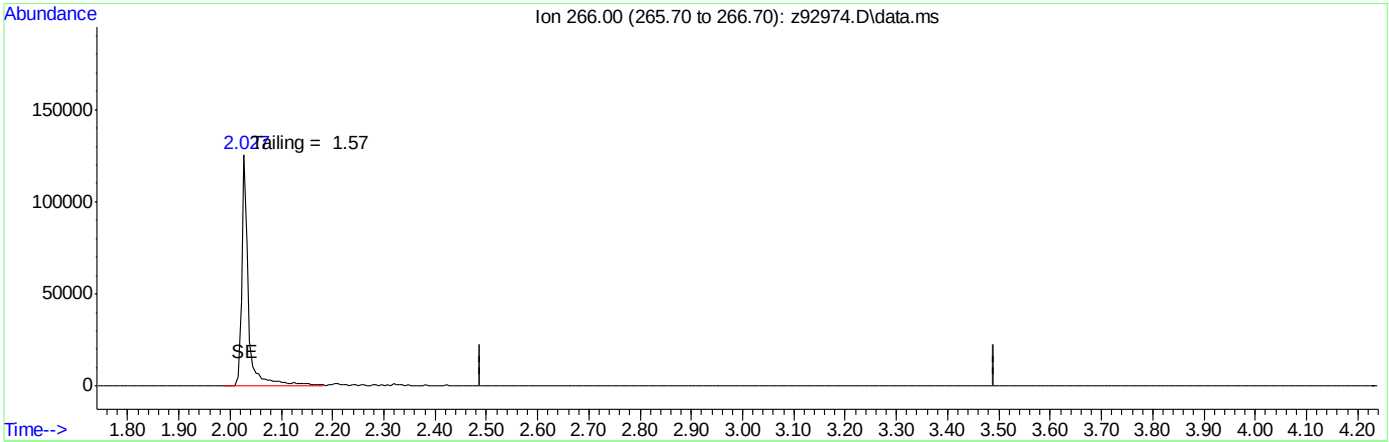
Average of 2.319 to 2.330 min.: z92974.D\data.ms
dftpp
Modified:subtracted

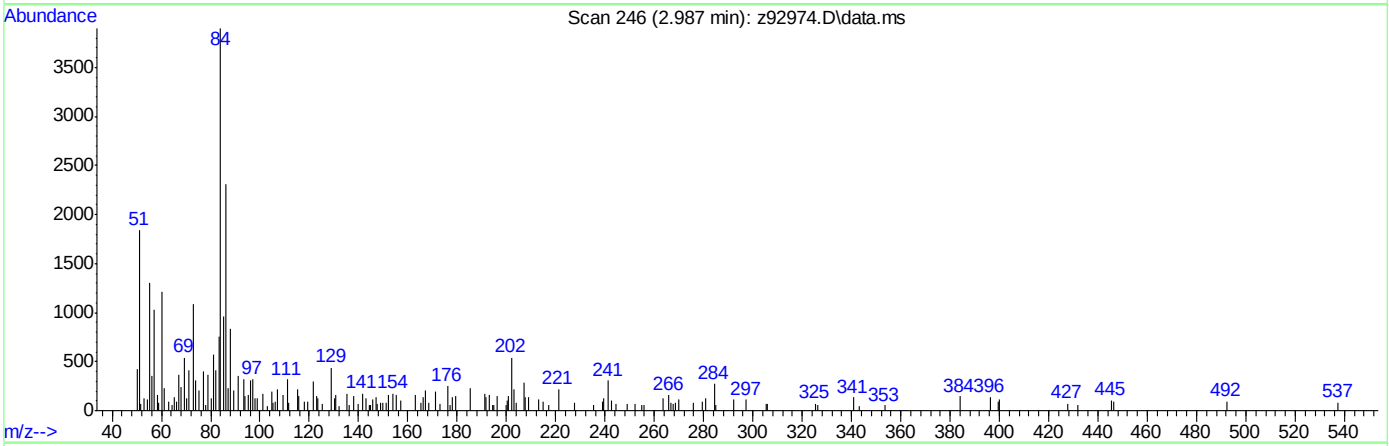
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.00	17400	463.50	37				
442.00	119858	474.30	29				
443.00	23215	495.70	25				
444.05	2158	513.10	28				
445.10	99	516.10	22				
445.60	27	516.60	17				
446.90	61	524.80	27				
452.20	26						
455.50	19						
459.20	26						
459.80	44						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92974.D
Acq On : 27 Jun 2014 10:07 am
Operator : ashleyd
Sample : dftpp
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:13:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92974.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

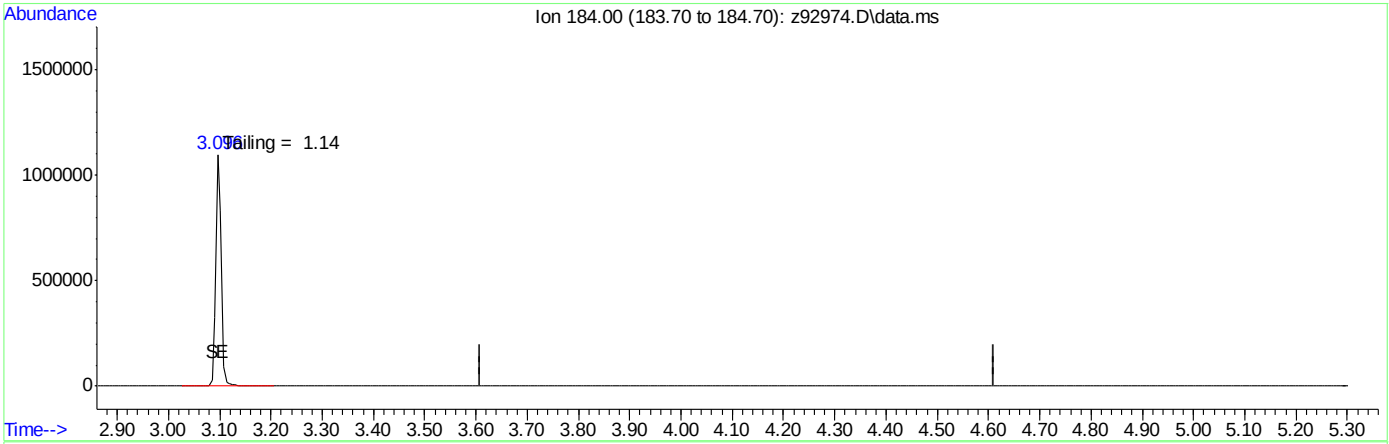
response 0

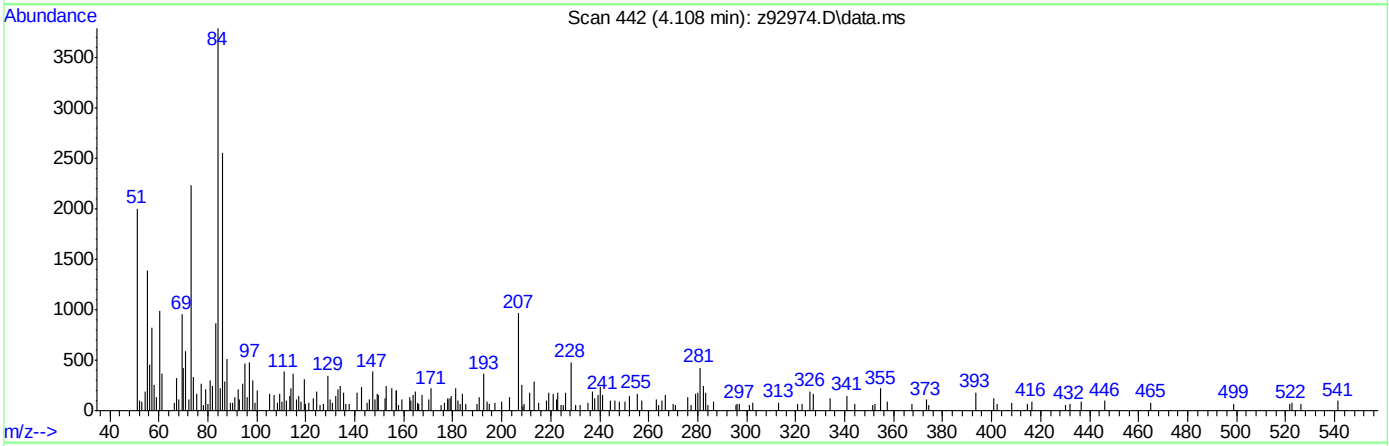
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92974.D
Acq On : 27 Jun 2014 10:07 am
Operator : ashleyd
Sample : dftpp
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:13:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92974.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

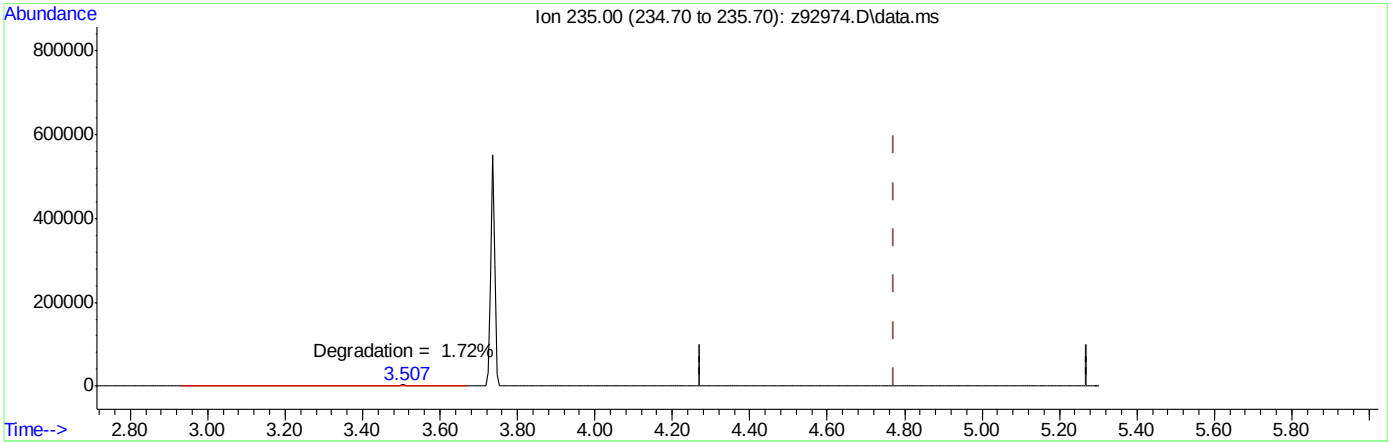
response 0

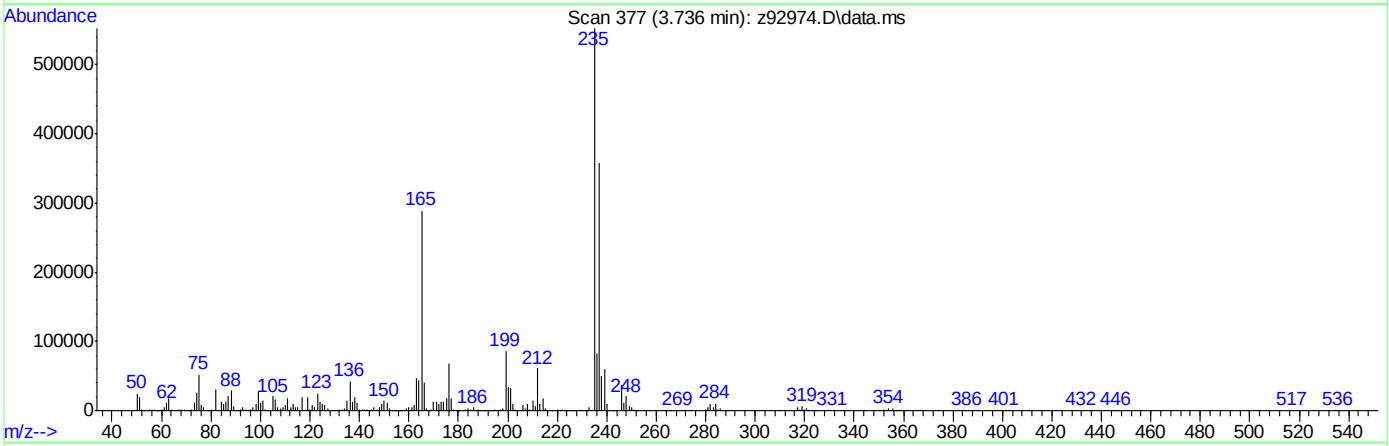
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92974.D
Acq On : 27 Jun 2014 10:07 am
Operator : ashleyd
Sample : dftpp
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:13:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92974.D\data.ms

(3) PP-DDT

3.736min (-1.037) 157.77 m

response 3943637

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.26.3

9

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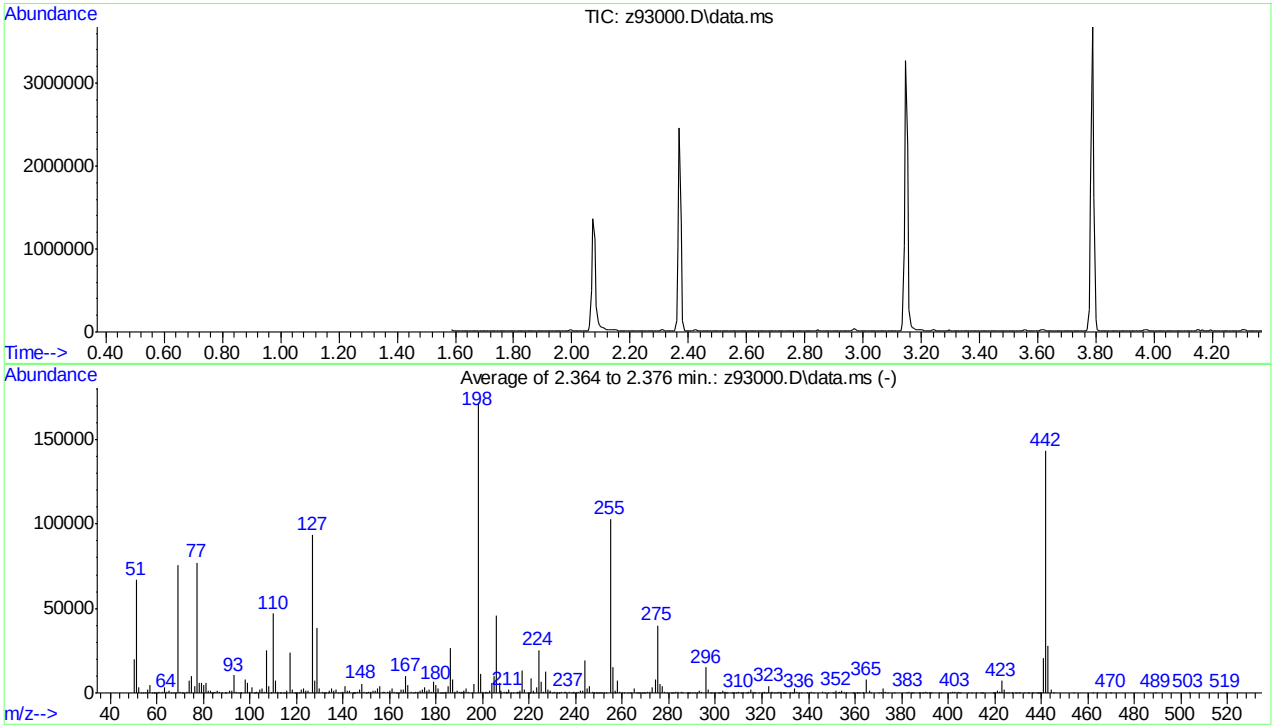
Z92974.D edits: PP-DDT

DFTPP

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93000.D
Acq On : 27 Jun 2014 10:21 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 137, 138, 139; Background Corrected with Scan 133

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.8	66740	PASS
68	69	0.00	2	0.2	189	PASS
69	198	0.00	100	44.0	75627	PASS
70	69	0.00	2	0.6	433	PASS
127	198	40	60	54.4	93537	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	171912	PASS
199	198	5	9	6.7	11443	PASS
275	198	10	30	23.3	40104	PASS
365	198	1	100	4.5	7758	PASS
441	443	0.01	100	73.3	20524	PASS
442	198	40	100	83.3	143157	PASS
443	442	17	23	19.6	27992	PASS

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	19865	59.95	243	70.80	32	82.00	1583
51.05	66740	61.05	716	71.00	67	83.05	1438
52.10	3089	62.15	908	73.10	501	83.70	75
53.10	230	63.10	3015	74.05	7186	84.00	51
54.00	34	64.10	536	75.05	10266	84.20	120
55.10	318	65.15	1346	76.15	4037	85.10	1000
56.00	1723	66.10	222	77.10	77306	86.10	1573
57.10	4483	67.05	131	78.15	5672	87.00	812
58.10	198	68.05	189	79.05	6159	87.95	347
59.00	18	69.10	75627	80.05	4542	89.15	229
59.15	46	70.15	433	81.10	6202	89.90	45

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.10	1263	101.80	104	111.05	7544	120.10	221
92.00	1258	102.20	8	112.00	777	121.00	332
93.10	10388	103.00	811	113.00	285	122.00	1896
94.00	514	103.40	109	113.20	111	123.05	2497
95.05	354	104.05	1804	114.20	99	124.05	1300
96.00	242	105.10	2383	115.00	112	124.95	1386
96.20	193	106.10	652	116.05	1560	127.10	93537
98.05	7720	107.10	25366	117.05	24218	128.05	7168
99.10	6195	108.10	3678	118.05	1715	129.00	38827
100.00	474	109.00	231	119.10	240	130.00	2948
101.05	3051	110.10	46832	119.90	109	131.00	477

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.90	71	141.05	4067	149.80	51	159.00	450
132.05	346	142.00	1470	150.10	256	160.05	1524
132.60	64	143.00	1028	151.05	573	161.00	2769
133.40	86	144.05	200	151.45	43	162.10	594
133.95	1088	144.70	67	151.75	379	162.90	74
135.05	2526	144.90	20	153.05	1554	163.15	126
135.95	1119	145.10	135	154.05	1126	164.20	265
137.10	1683	146.05	854	155.00	2400	165.00	1837
138.05	317	147.05	2297	156.00	4001	166.10	1834
139.10	150	148.05	5465	157.10	884	167.00	10078
140.05	472	148.95	881	157.95	719	168.05	4810

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.10	981	180.05	4778	189.05	1517	198.00	171912
170.00	306	181.00	2378	189.95	410	199.00	11443
171.10	409	181.90	163	190.30	58	200.00	661
172.00	713	182.20	204	190.95	221	200.95	202
173.05	1159	182.60	126	191.15	503	201.40	653
174.15	2158	183.05	205	191.90	601	201.90	151
175.05	3232	184.05	584	192.10	1524	203.05	1316
176.15	1221	185.00	3775	193.05	2587	204.00	5947
177.00	1705	186.10	26570	194.00	503	205.05	10306
178.05	517	187.10	7908	195.05	203	206.10	45578
179.00	6582	188.05	784	196.05	5651	207.10	6255

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.90	337	215.00	472	224.05	25572	232.80	24
208.00	1476	216.10	1088	225.05	6379	233.00	215
209.05	386	217.00	13095	226.05	740	233.90	456
210.05	503	218.10	1707	227.00	12425	235.05	969

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210.20	165	219.15	210	228.00	1814	235.95	565
210.40	304	219.90	43	228.90	462	237.00	850
211.00	1896	220.10	132	229.05	1498	238.00	176
212.05	242	221.00	8567	229.95	300	238.90	439
213.00	128	221.70	359	231.05	769	239.30	24
214.40	65	221.95	1585	231.90	41	240.10	289
214.80	157	223.00	3225	232.10	63	241.00	545

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.05	1601	249.95	37	259.90	274	268.90	21
243.15	1359	250.50	38	261.00	239	269.60	47
244.10	19226	251.00	255	262.00	42	269.90	208
245.05	2358	252.05	211	262.95	69	271.05	399
246.00	4066	253.05	234	263.85	60	272.00	373
247.05	796	255.00	103053	265.00	2564	273.05	3545
247.80	18	255.95	15072	265.95	323	274.05	8127
247.95	261	256.90	246	266.60	33	275.05	40104
248.85	289	257.10	1109	266.80	29	276.05	5390
249.10	124	258.00	7241	267.70	121	277.00	3731
249.70	33	259.00	928	268.40	18	278.00	596

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
278.95	302	289.15	59	300.00	55	308.00	241
281.05	73	290.00	157	301.05	185	308.95	191
281.70	17	291.00	131	301.90	73	310.05	403
282.20	126	292.00	191	302.20	149	310.80	58
283.00	621	293.10	1270	303.00	1612	311.30	25
283.95	415	294.00	479	303.80	44	311.90	72
285.10	772	296.00	15209	304.00	404	313.05	156
285.95	71	297.00	2001	304.60	39	313.80	64
287.60	22	297.80	62	305.10	56	314.00	862
288.10	46	298.10	133	307.10	25	315.00	2000
288.90	82	299.10	38	307.70	21	315.95	986

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.85	57	326.05	162	333.50	90	347.05	137
317.20	122	327.05	933	334.00	2774	348.30	27
318.80	53	327.60	29	335.05	692	350.40	26
320.00	104	328.05	647	336.05	97	350.90	101
320.90	54	328.95	70	336.80	20	352.00	1630
321.05	531	329.20	56	339.10	82	352.80	145
321.90	80	329.50	20	340.00	39	353.00	753
323.00	4174	329.90	20	341.05	465	353.80	46
323.80	102	331.85	226	342.05	234	354.00	1131
324.10	612	332.10	85	345.80	639	355.10	298
325.20	107	333.20	167	346.00	611	356.10	72

Average of 2.364 to 2.376 min.: z93000.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
358.95	34	370.95	338	387.70	21	402.00	991
359.70	32	372.05	2770	388.80	16	403.05	1000
360.70	22	373.00	600	389.20	49	404.05	498
361.00	21	373.95	82	390.15	370	404.80	68
362.10	28	377.05	149	390.95	303	405.15	81
363.30	39	382.00	27	391.90	40	408.70	38
363.55	69	382.95	667	392.10	180	410.10	29
365.00	7758	384.00	280	392.90	51	412.00	18
366.00	1475	384.70	28	396.10	22	413.80	28
366.70	21	384.90	32	396.90	40	414.40	17
370.00	182	387.20	23	400.95	196	414.75	57

Average of 2.364 to 2.376 min.: z93000.D\data.ms

DFTPPZ.M Sun Jun 29 17:49:50 2014 RTE

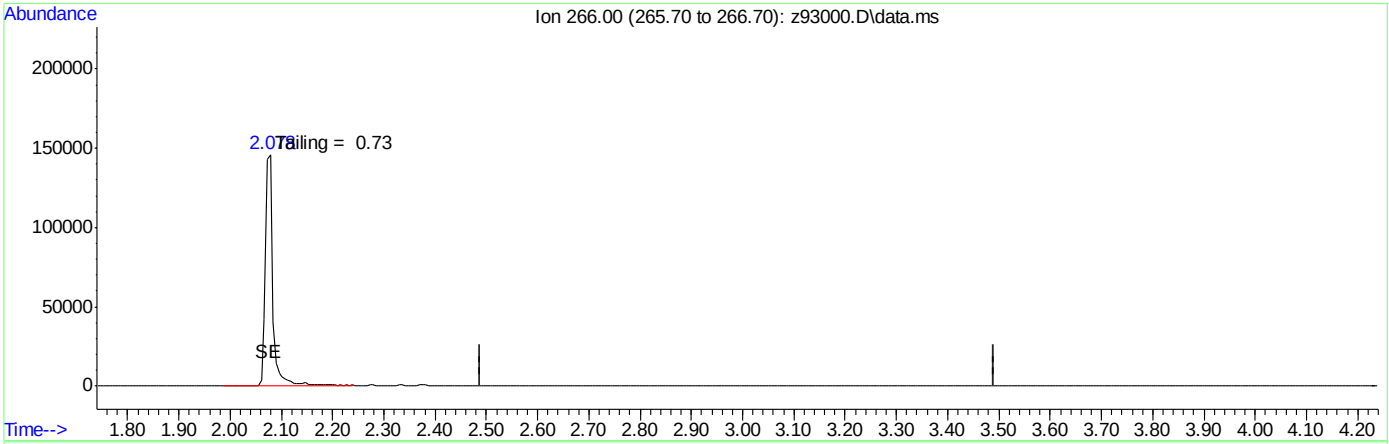
dftpp
Modified:subtracted

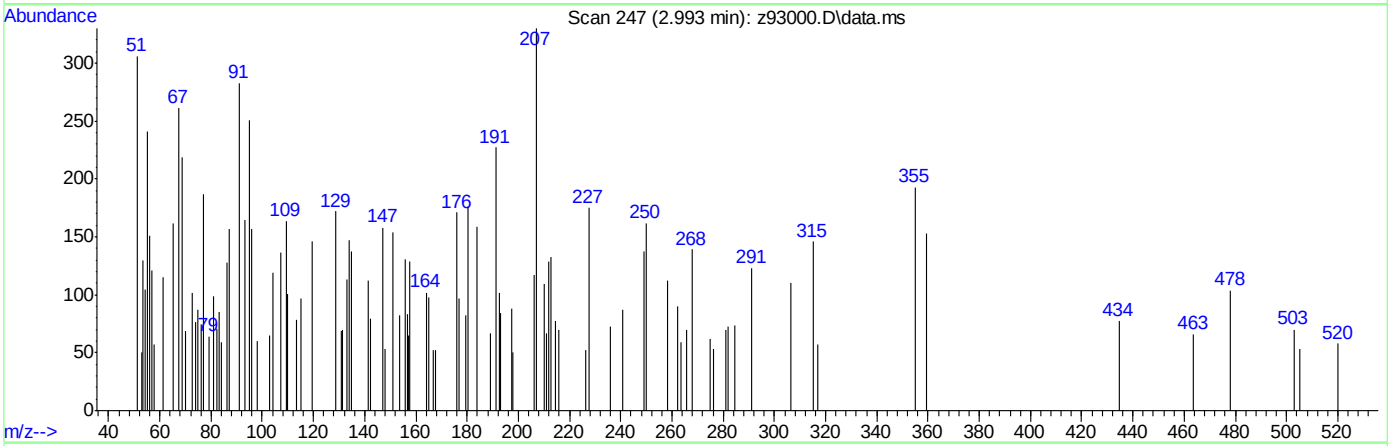
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.20	19	427.60	19	438.70	25	463.80	19
419.50	25	428.60	46	439.10	25	469.80	20
420.10	29	429.30	54	439.60	75	489.10	47
421.00	1348	430.40	21	439.90	28	503.40	17
421.90	505	430.90	41	441.00	20524	519.20	43
422.10	537	432.70	21	442.00	143157		
423.05	7261	433.90	56	443.00	27992		
424.00	1715	434.50	35	444.05	2179		
425.00	194	436.00	41	445.05	156		
426.10	102	436.45	72	454.10	24		
427.30	52	438.05	153	461.90	19		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93000.D
Acq On : 27 Jun 2014 10:21 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 22:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z93000.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

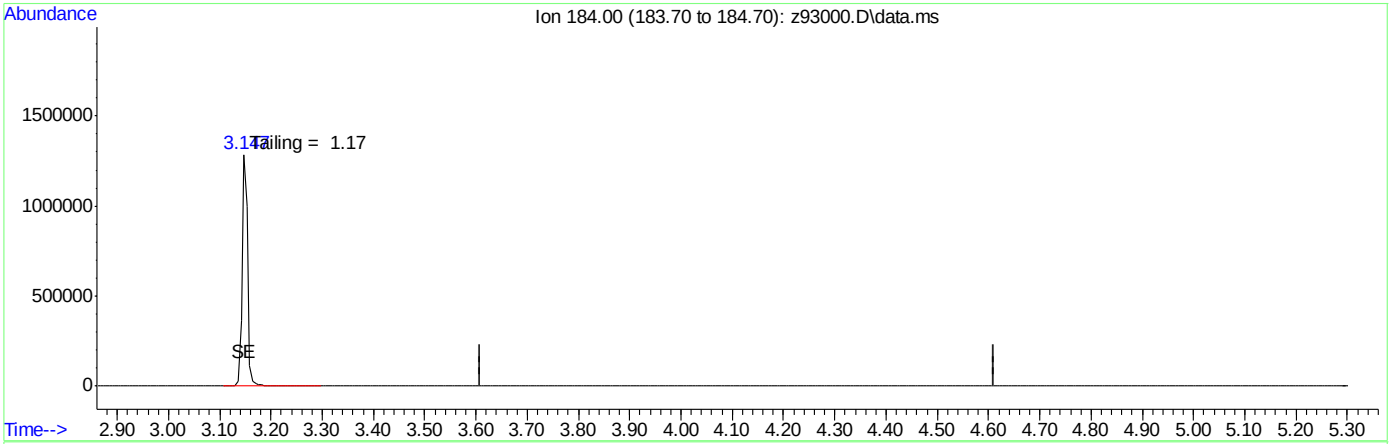
response 0

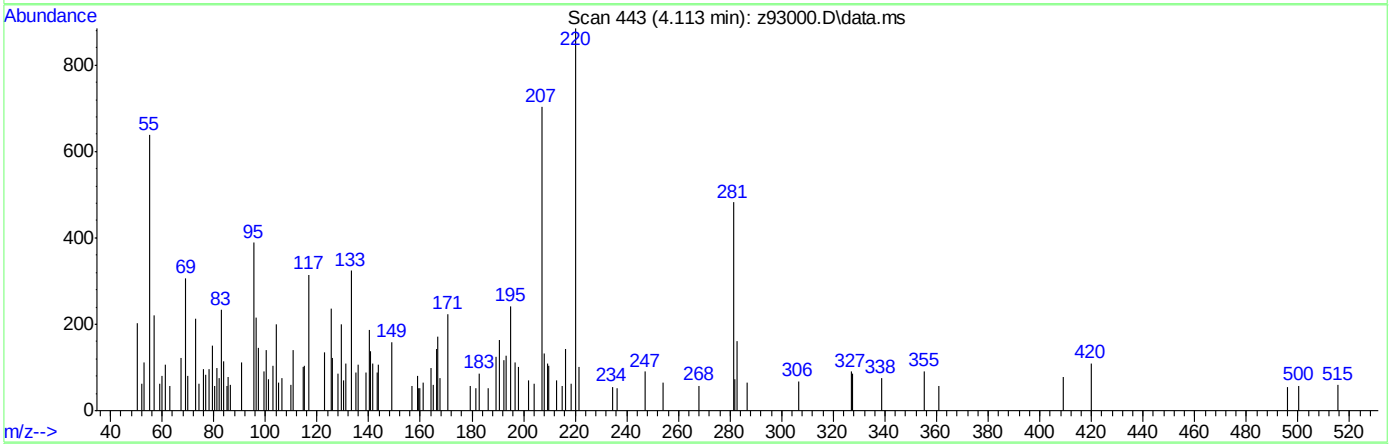
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93000.D
Acq On : 27 Jun 2014 10:21 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 22:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z93000.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

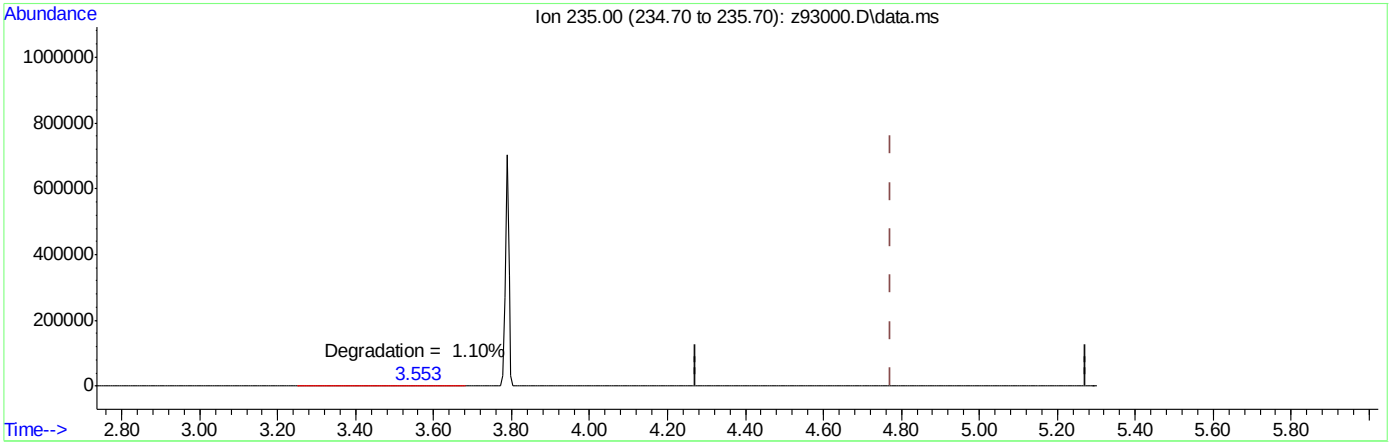
response 0

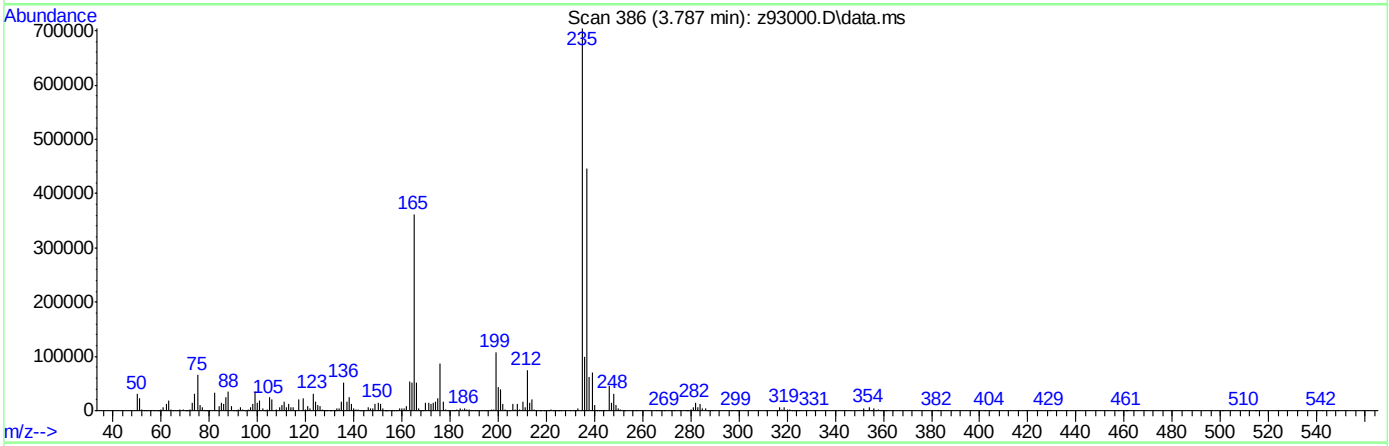
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93000.D
Acq On : 27 Jun 2014 10:21 pm
Operator : andrews1
Sample : dftpp
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 22:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z93000.D\data.ms

(3) PP-DDT

3.787min (-0.986) 189.23 m

response 4729983

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.27.3 9
ACCUTEST LABORATORIES JB69123

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

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

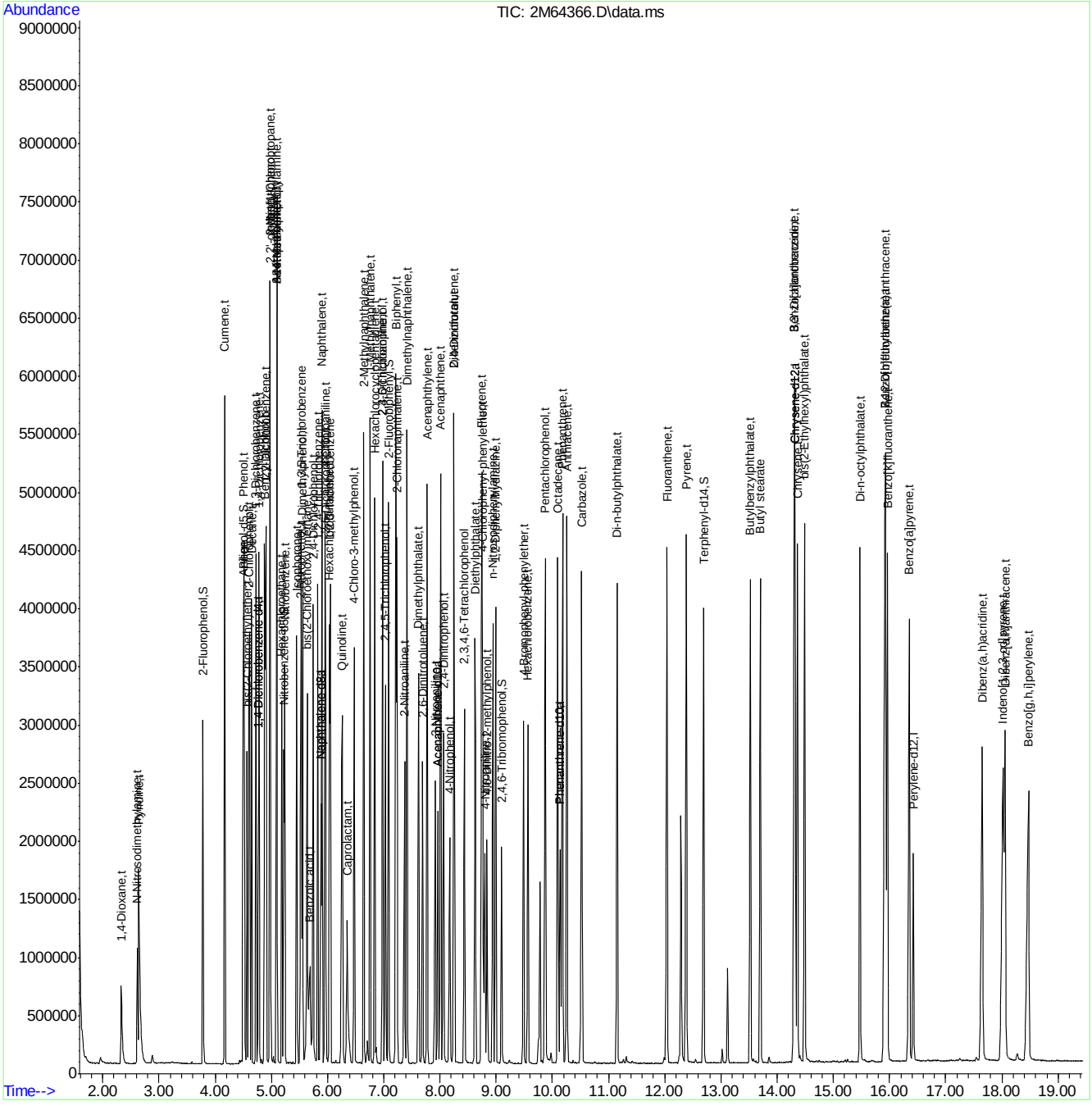
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.257	178	2614587	87.05	ppb	99
79) Carbazole	10.524	167	2572771	86.74	ppb	99
80) Di-n-butylphthalate	11.150	149	3012798	93.61	ppb	99
81) Fluoranthene	12.038	202	2604101	94.67	ppb	95
82) Octadecane	10.096	57	978548	80.08	ppb	97
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 JB69123

Manual Integration Approval Summary

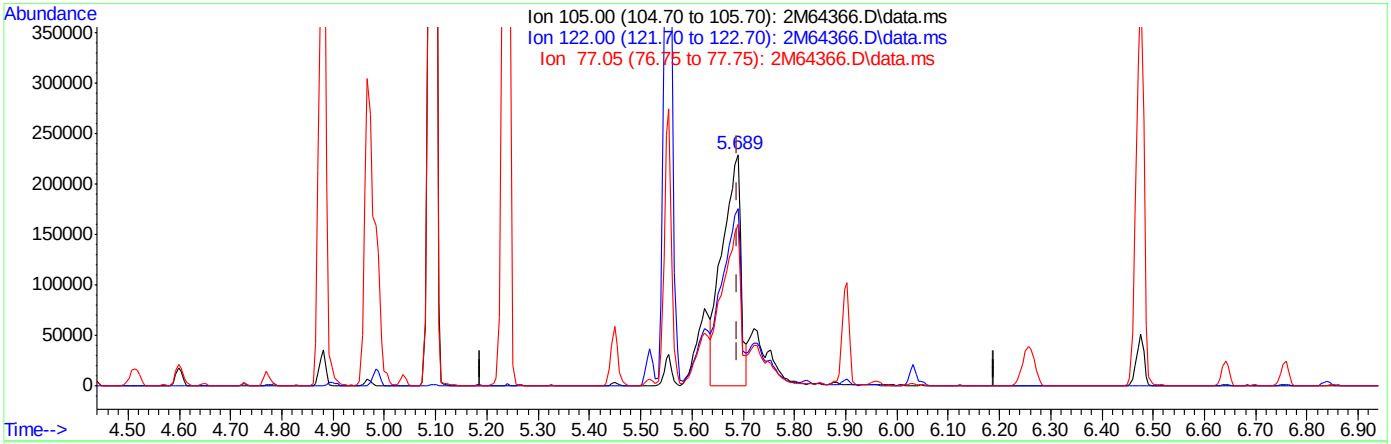
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64366.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 17:08	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

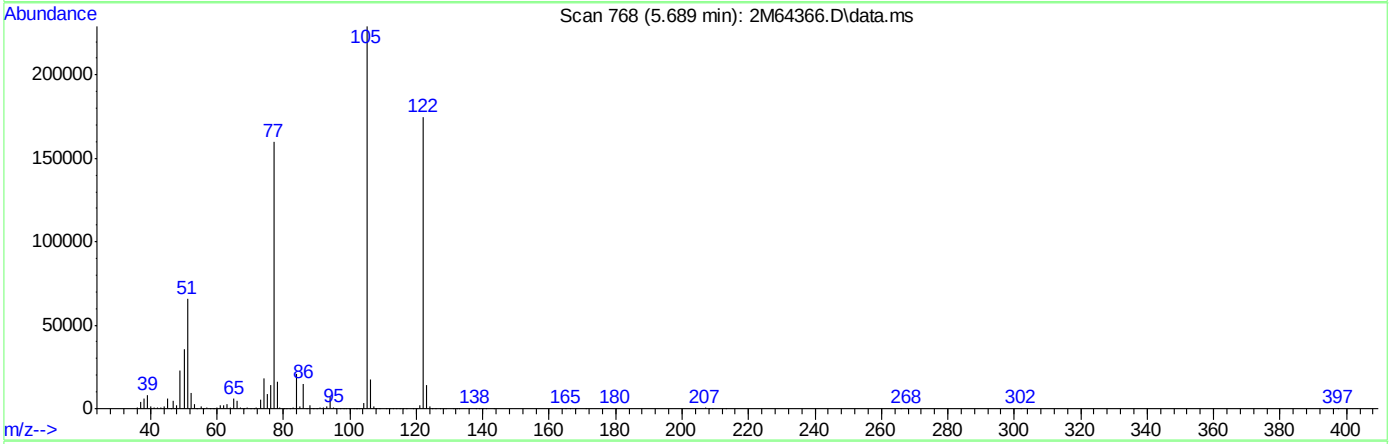
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.69	Split peak

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

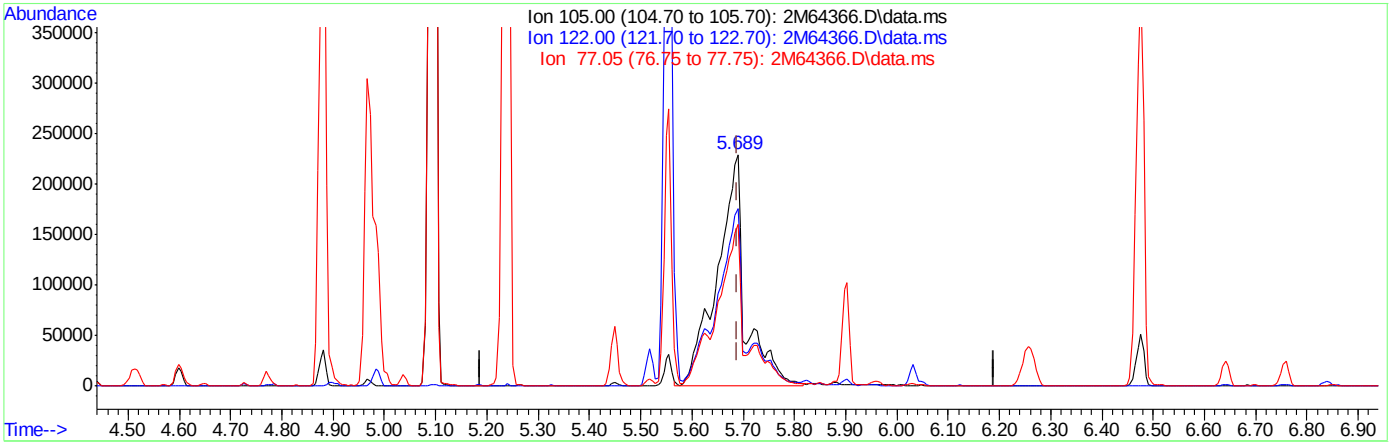
Ion	Exp%	Act%
105.00	100	100
122.00	78.20	75.83
77.05	68.90	69.28
0.00	0.00	0.00

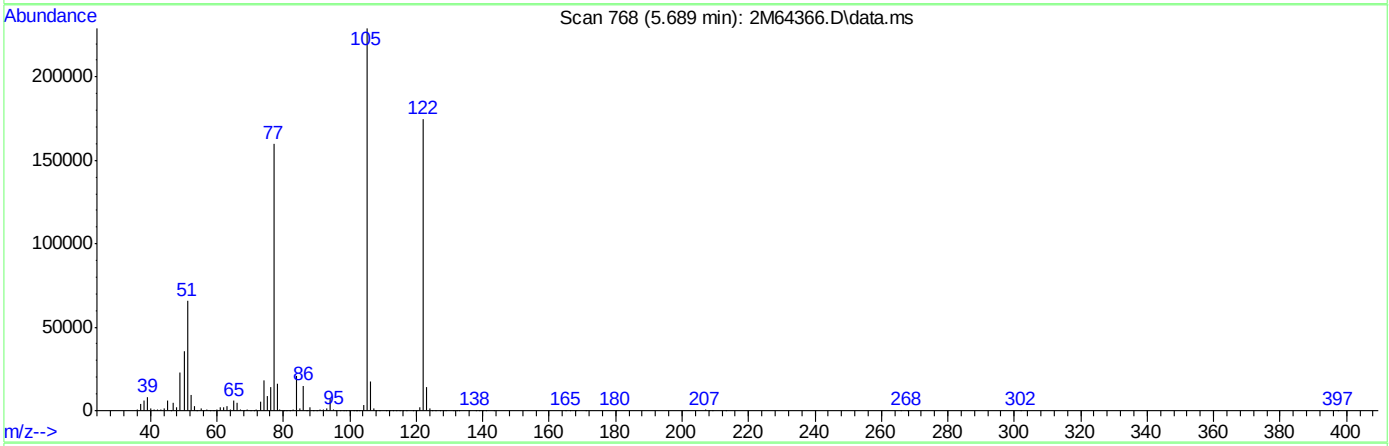
ACCUTEST LABORATORIES JB69123

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 JB69123

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

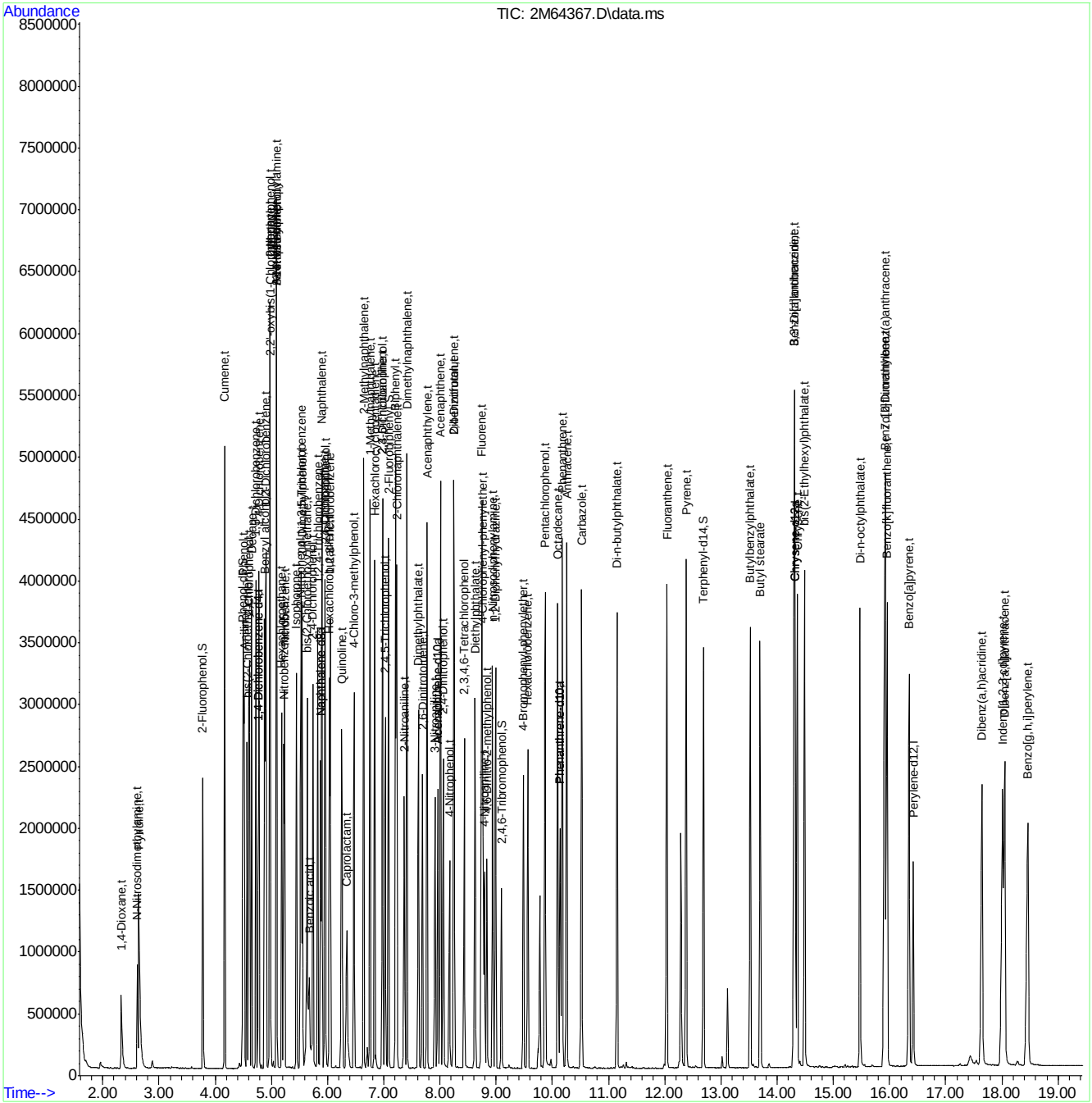
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.257	178	2198457	83.82	ppb	99
79) Carbazole	10.524	167	2154704	83.49	ppb	99
80) Di-n-butylphthalate	11.150	149	2509556	83.04	ppb	100
81) Fluoranthene	12.038	202	2149341	82.28	ppb	95
82) Octadecane	10.096	57	855279	87.13	ppb	98
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



Manual Integration Approval Summary

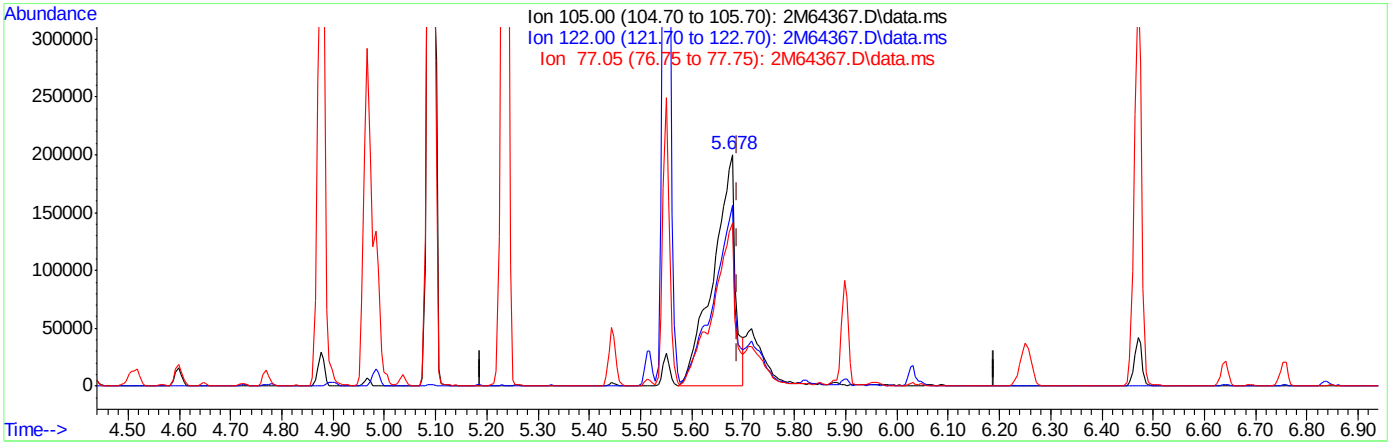
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64367.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 17:35	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

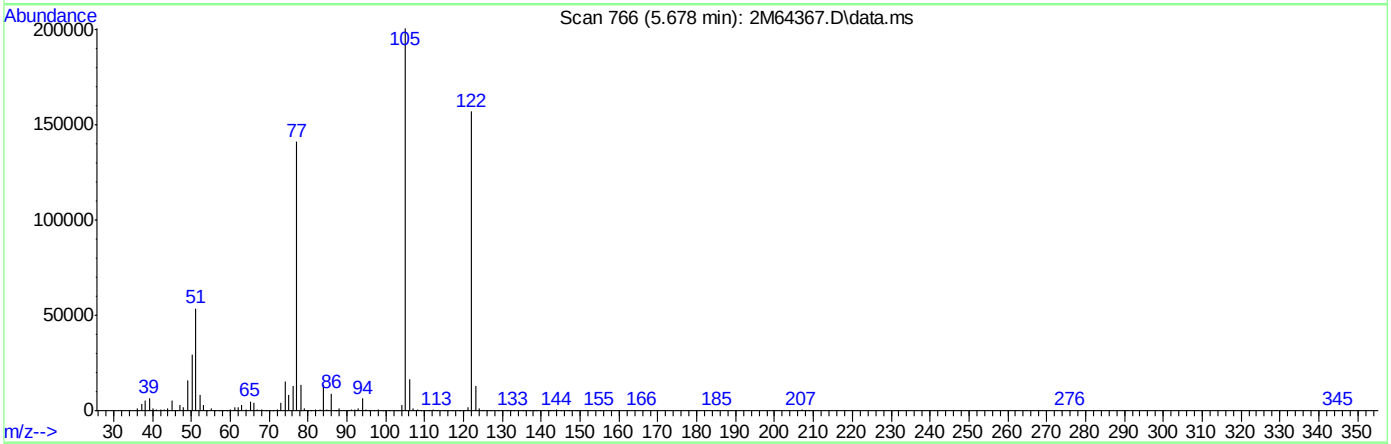
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.68	Split peak

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

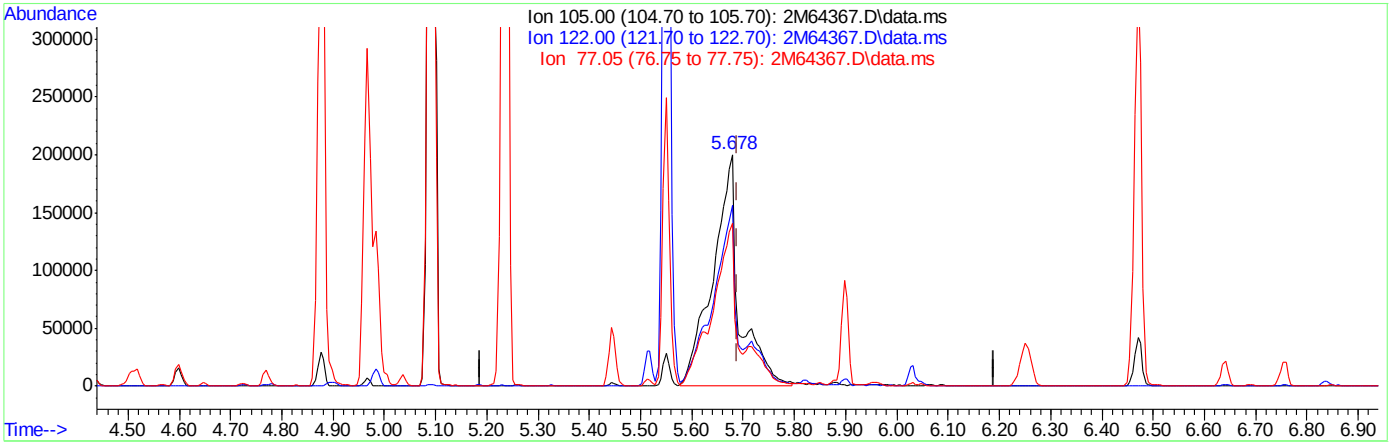
response 598637

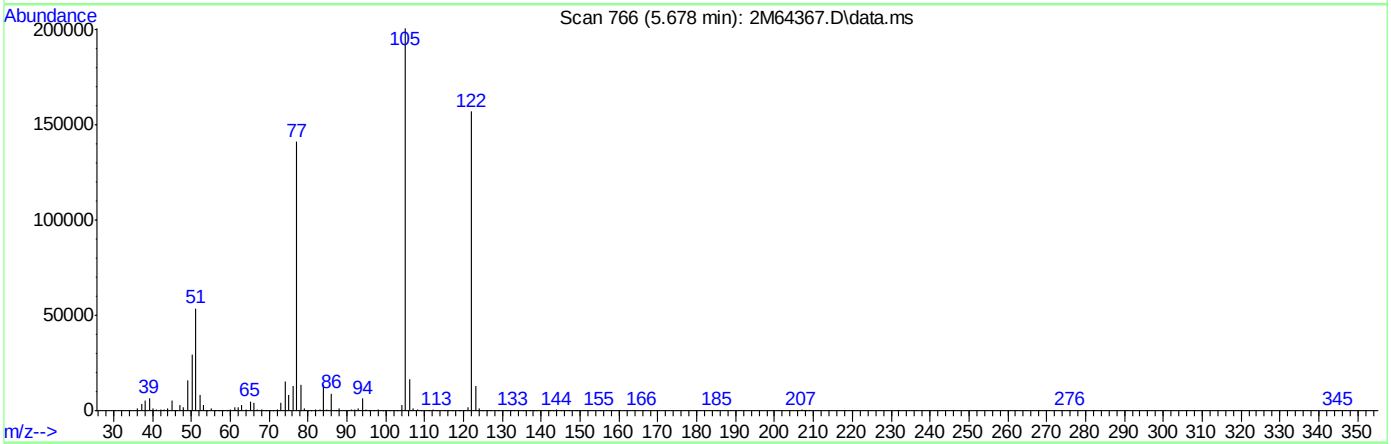
Ion	Exp%	Act%
105.00	100	100
122.00	78.20	75.44
77.05	68.90	69.98
0.00	0.00	0.00

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

9.6.2.3

9

ACCUTEST LABORATORIES JB69123

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

ACCUTEST LABORATORIES JB69123

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

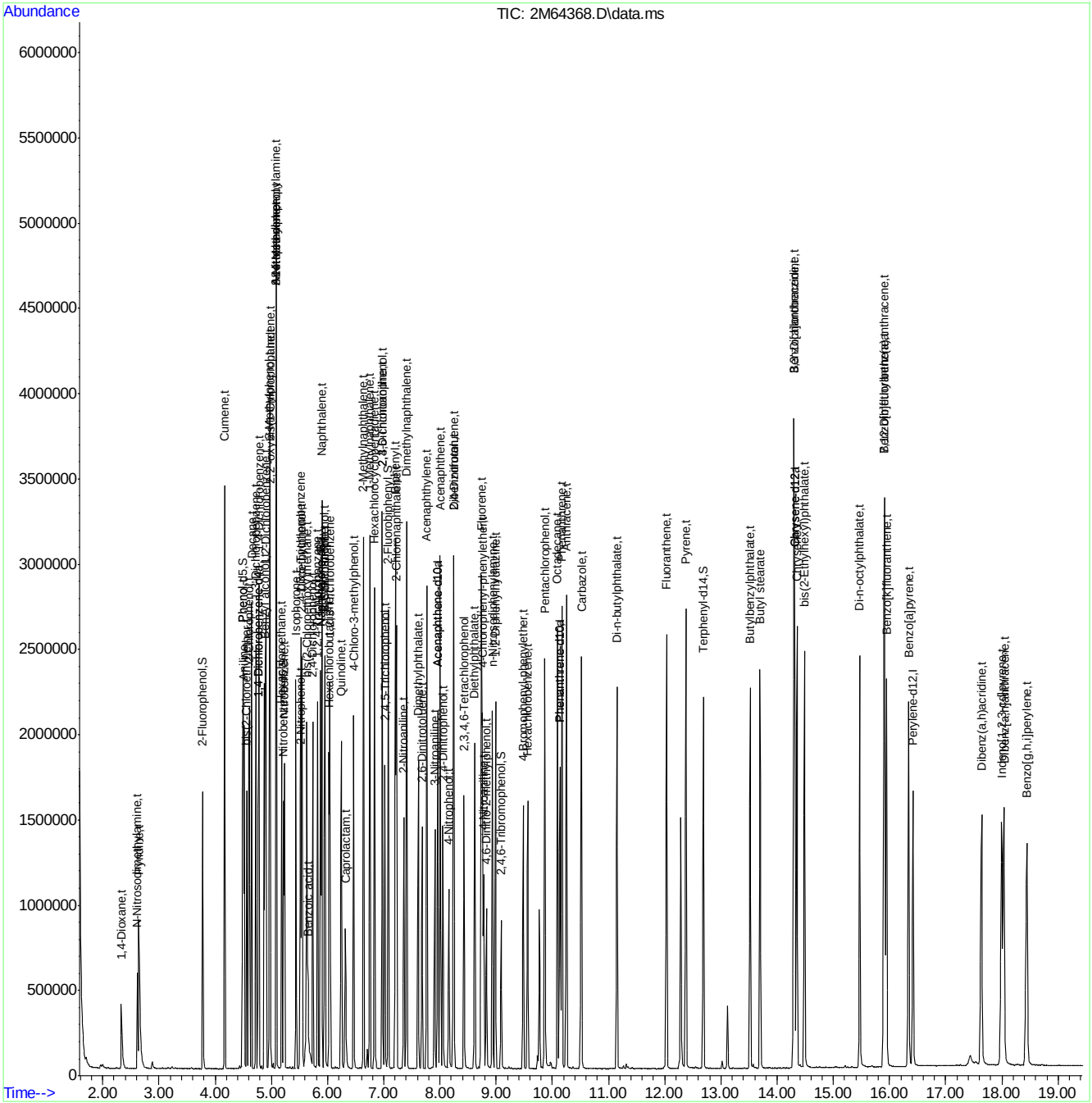
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.251	178	1328294	54.51	ppb	99
79) Carbazole	10.519	167	1309332	54.72	ppb	99
80) Di-n-butylphthalate	11.150	149	1528670	54.71	ppb	99
81) Fluoranthene	12.033	202	1292396	53.76	ppb	97
82) Octadecane	10.091	57	548686	58.97	ppb	98
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

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 JB69123

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 JB69123

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

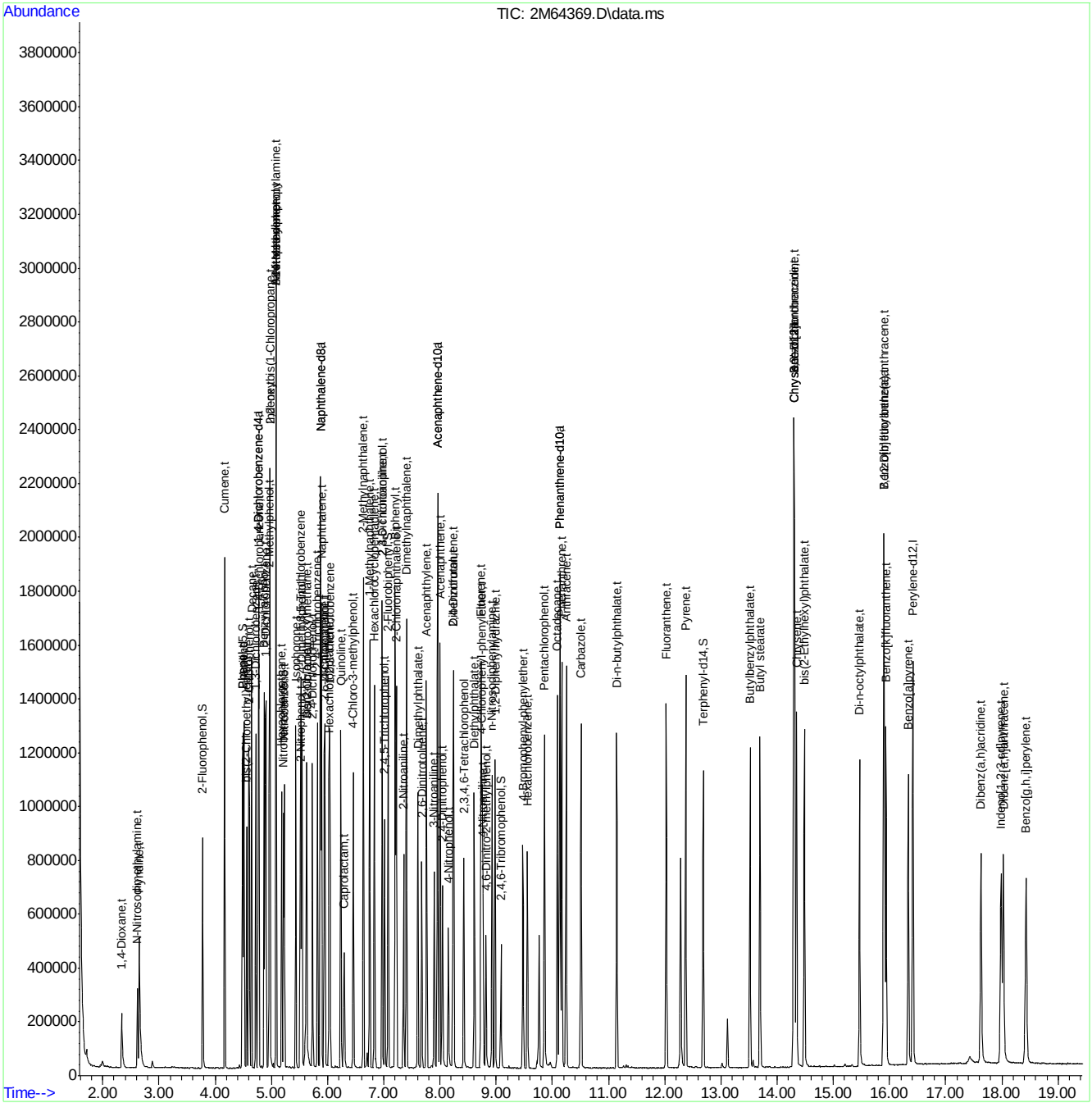
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.246	178	684334	27.74	ppb	100
79) Carbazole	10.514	167	661871	27.28	ppb	100
80) Di-n-butylphthalate	11.145	149	769317	27.16	ppb	99
81) Fluoranthene	12.027	202	649688	26.82	ppb	98
82) Octadecane	10.091	57	294019	30.34	ppb	99
84) 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 JB69123

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

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

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

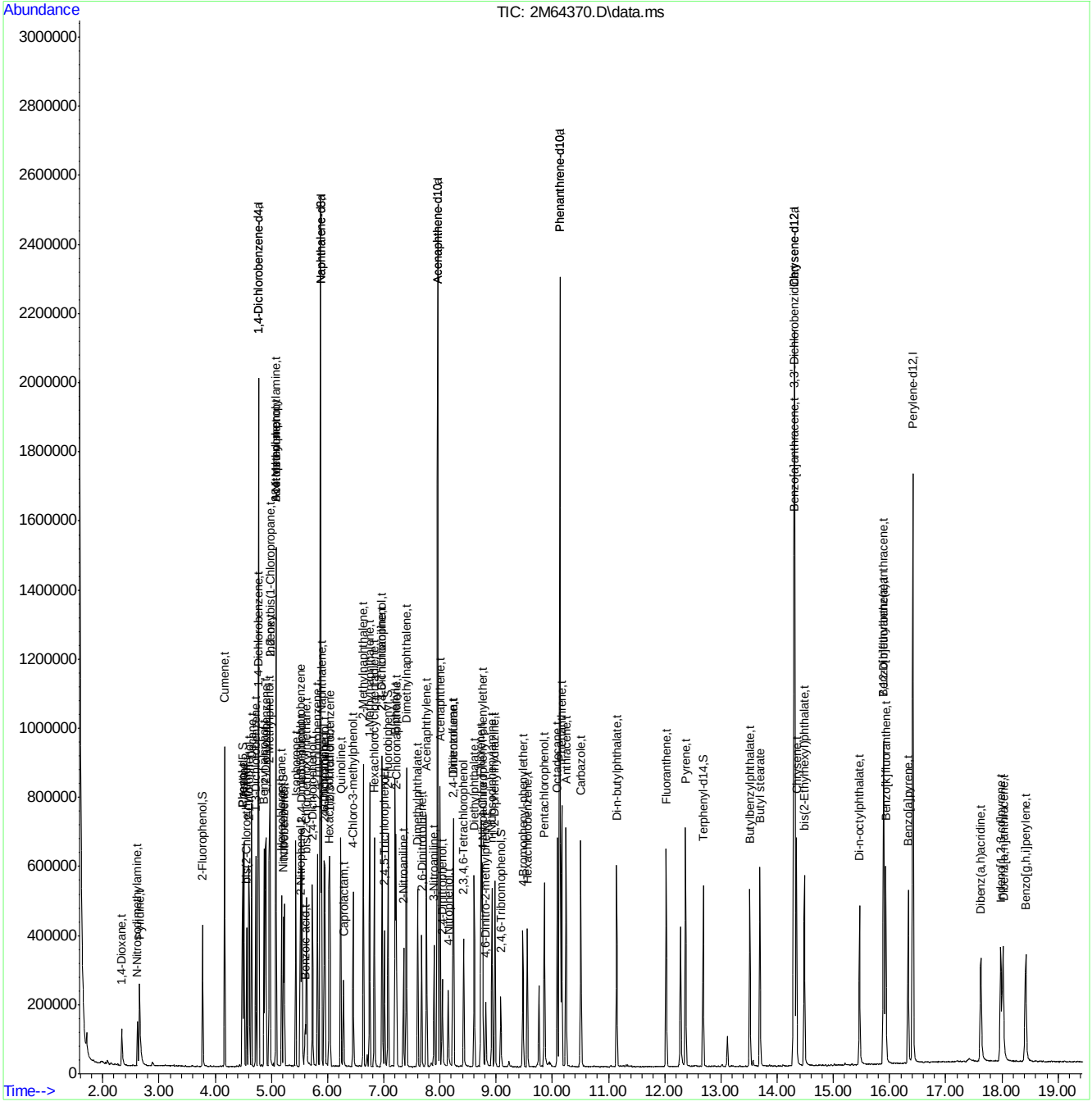
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	324012	10.62	ppb	99
79) Carbazole	10.508	167	314880	10.55	ppb	100
80) Di-n-butylphthalate	11.145	149	356952	10.25	ppb	100
81) Fluoranthene	12.022	202	299217	10.08	ppb	97
82) Octadecane	10.086	57	142175	11.57	ppb	97
84) 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

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



ACCUTEST LABORATORIES JB69123

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

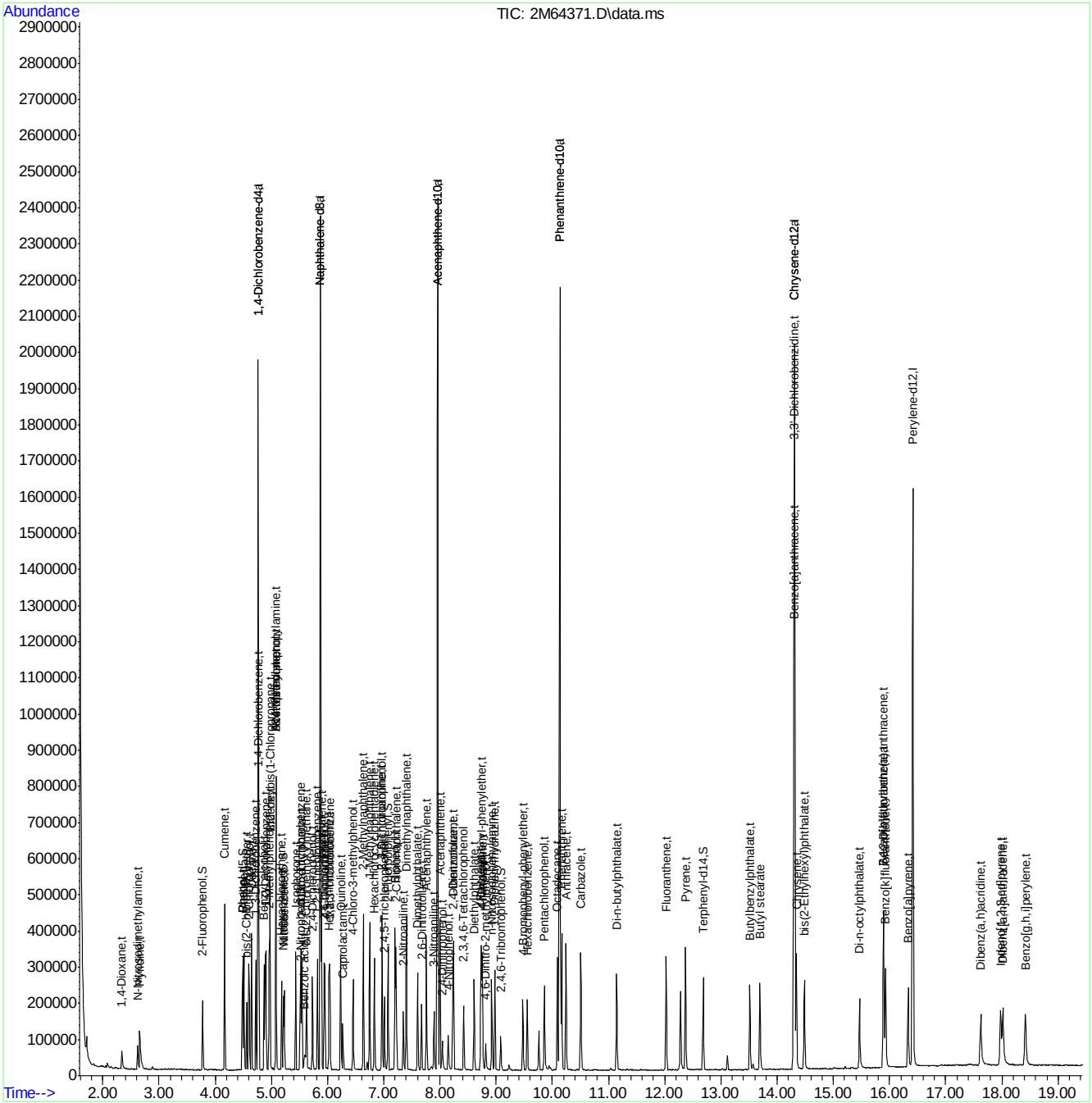
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	156386	5.40	ppb	99
79) Carbazole	10.508	167	154523	5.46	ppb	99
80) Di-n-butylphthalate	11.145	149	164294	5.01	ppb	99
81) Fluoranthene	12.022	202	145565	5.22	ppb	96
82) Octadecane	10.086	57	67037	5.64	ppb	95
84) Pyrene	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

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 JB69123

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

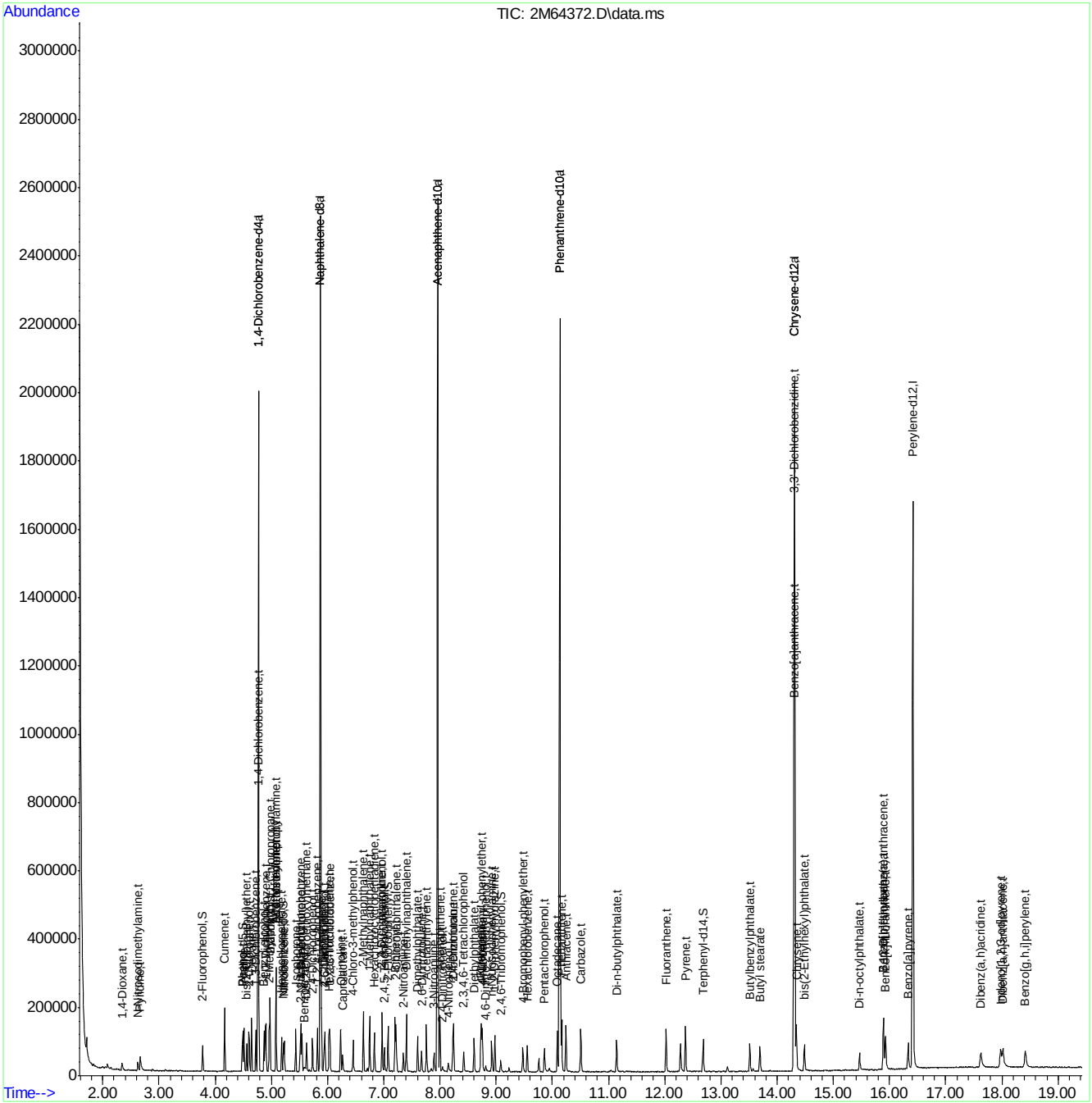
9.6.7

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 JB69123

Manual Integration Approval Summary

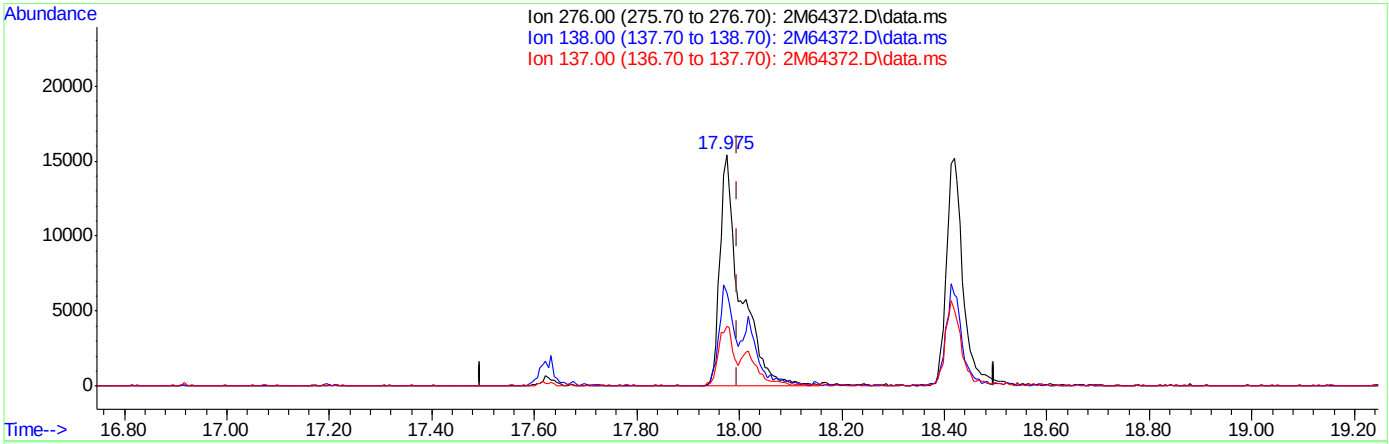
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64372.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 19:48	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

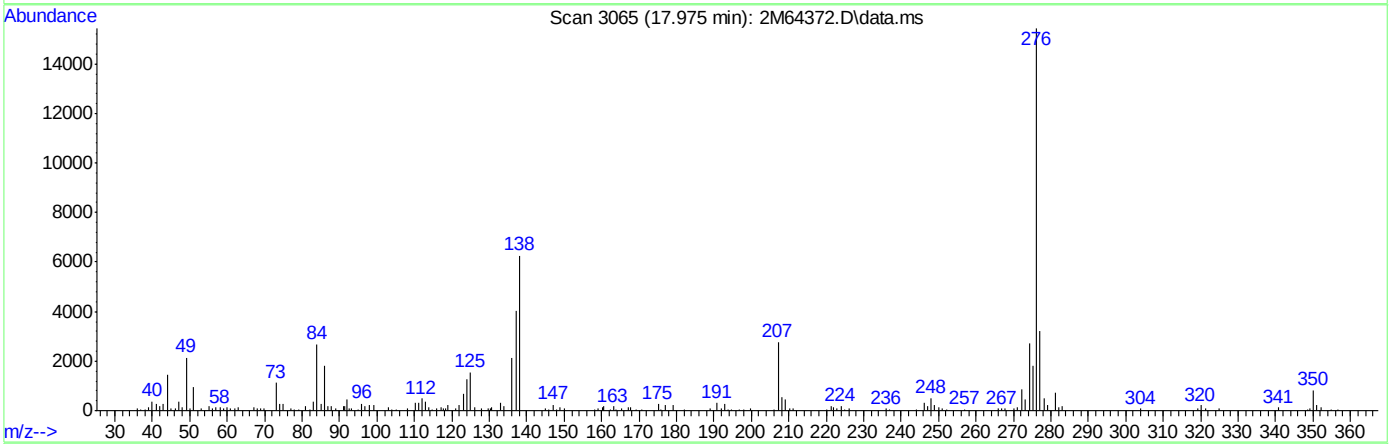
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		17.97	Overlapping peak

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

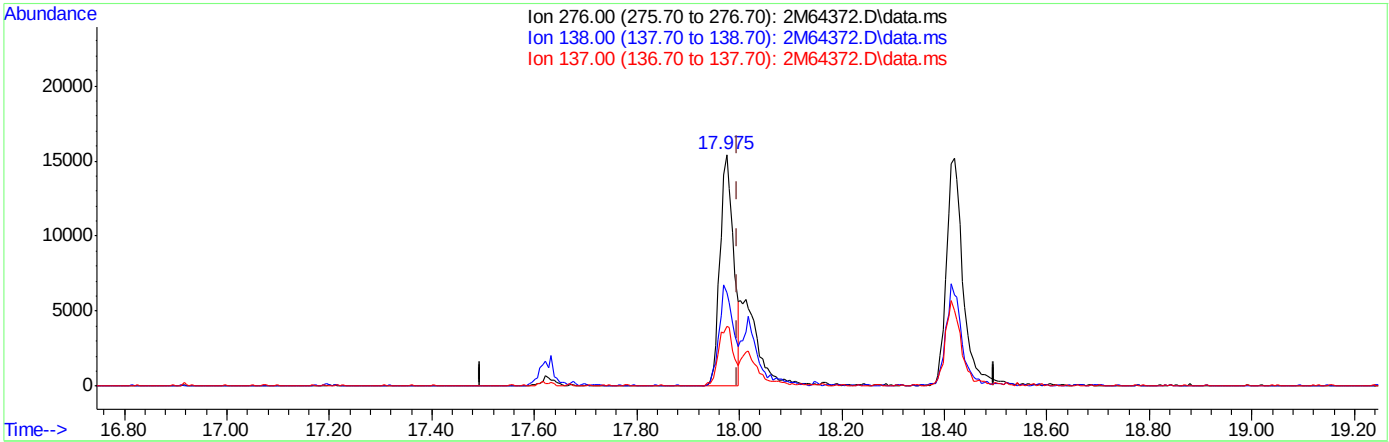
response 42922

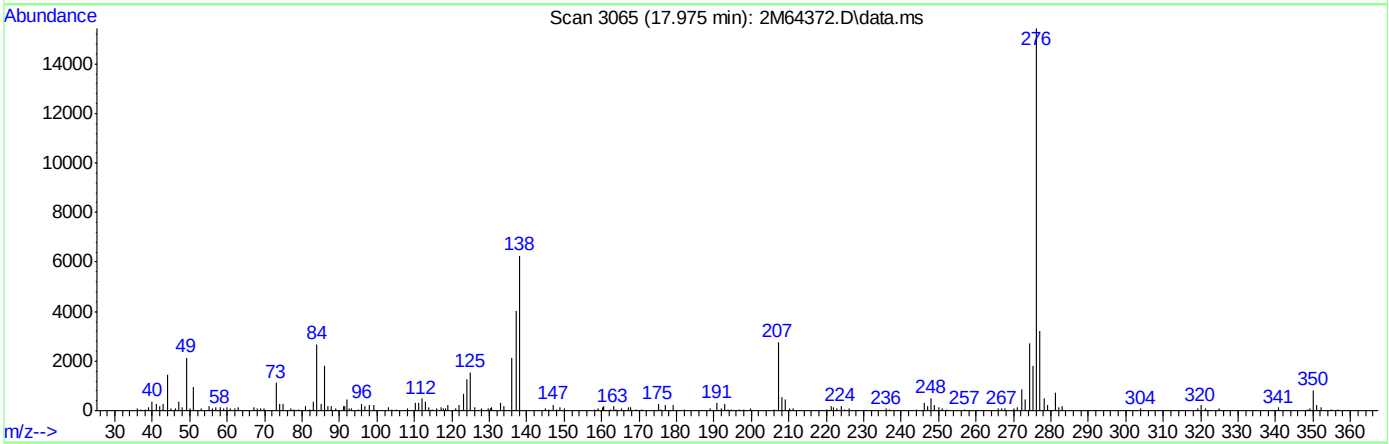
Ion	Exp%	Act%
276.00	100	100
138.00	30.00	40.09
137.00	20.70	25.71
0.00	0.00	0.00

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

9.6.7.3

6

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

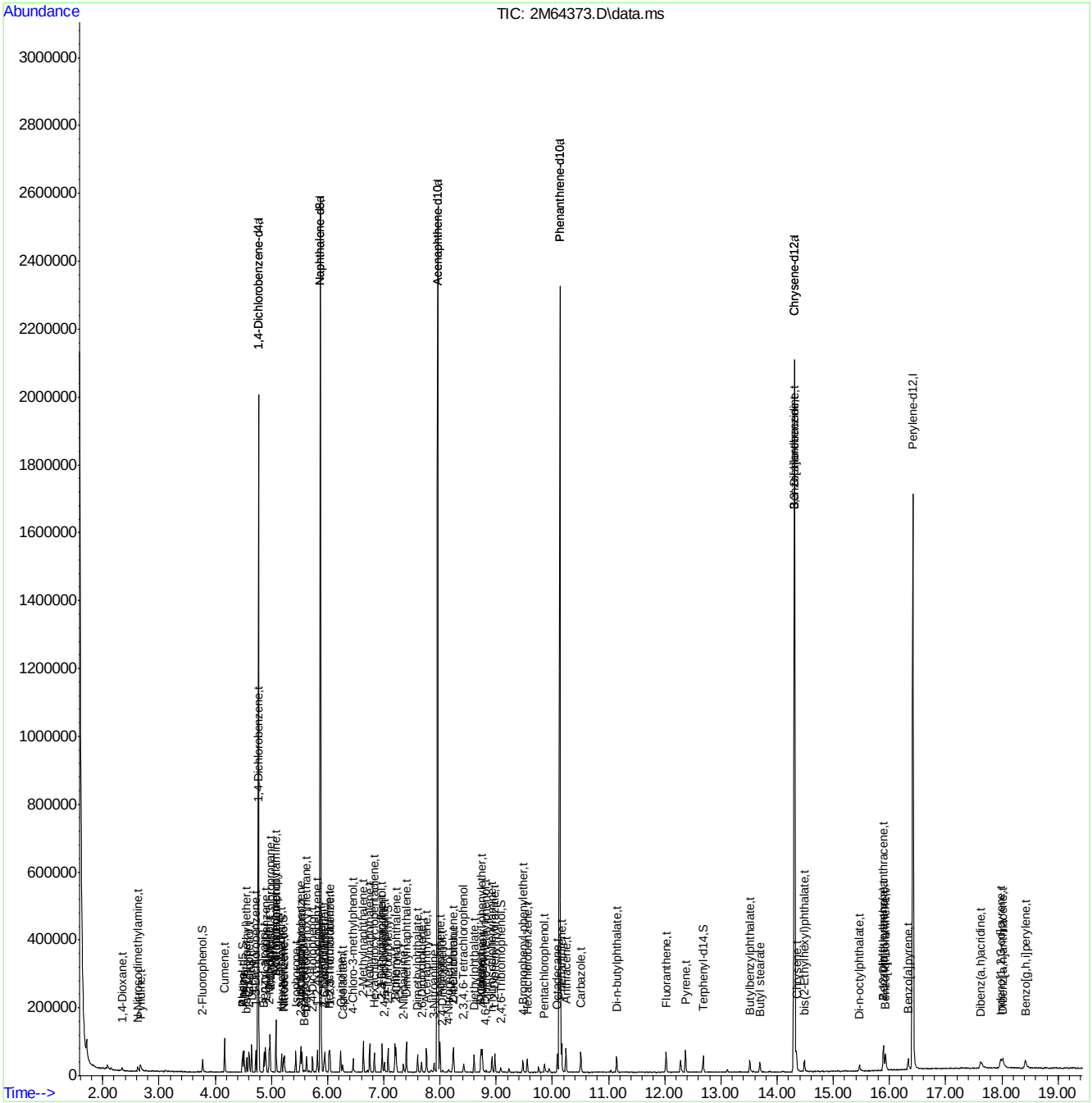
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.241	178	31196	0.99	ppb	98
79) Carbazole	10.508	167	30130	0.97	ppb	96
80) Di-n-butylphthalate	11.145	149	28534	0.82	ppb	99
81) Fluoranthene	12.022	202	27845	0.93	ppb	98
82) Octadecane	10.086	57	11244	0.86	ppb	94
84) Pyrene	12.370	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

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

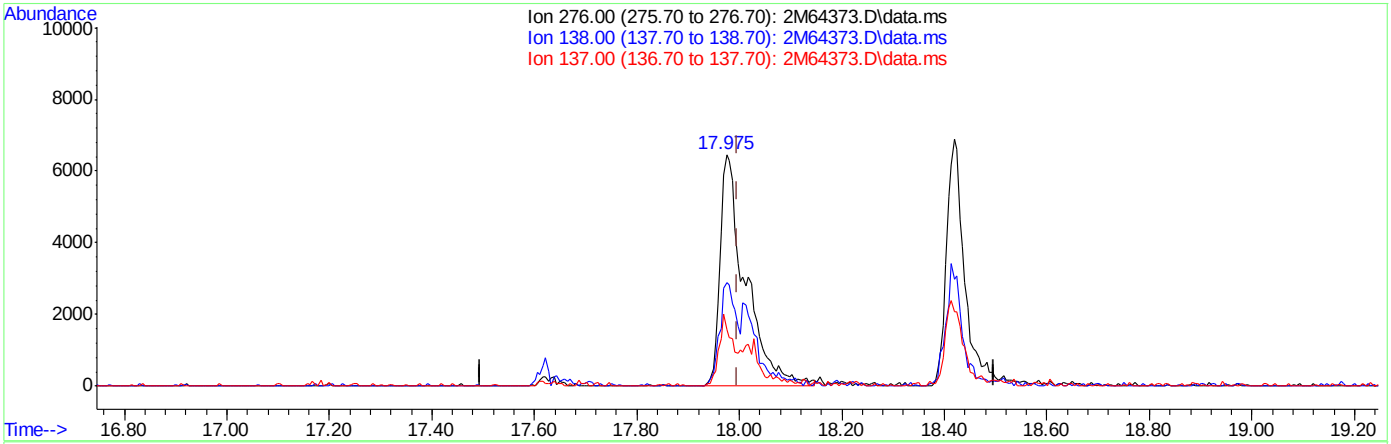
Sample Number:	E2M2729-IC2729	**Method:**	SW846 8270D
Lab FileID:	2M64373.D	**Analyst approved:**	06/13/14 10:17 Olga Azarihn
Injection Time:	06/12/14 20:14	**Supervisor approved:**	06/16/14 12:47 Nina Pandya

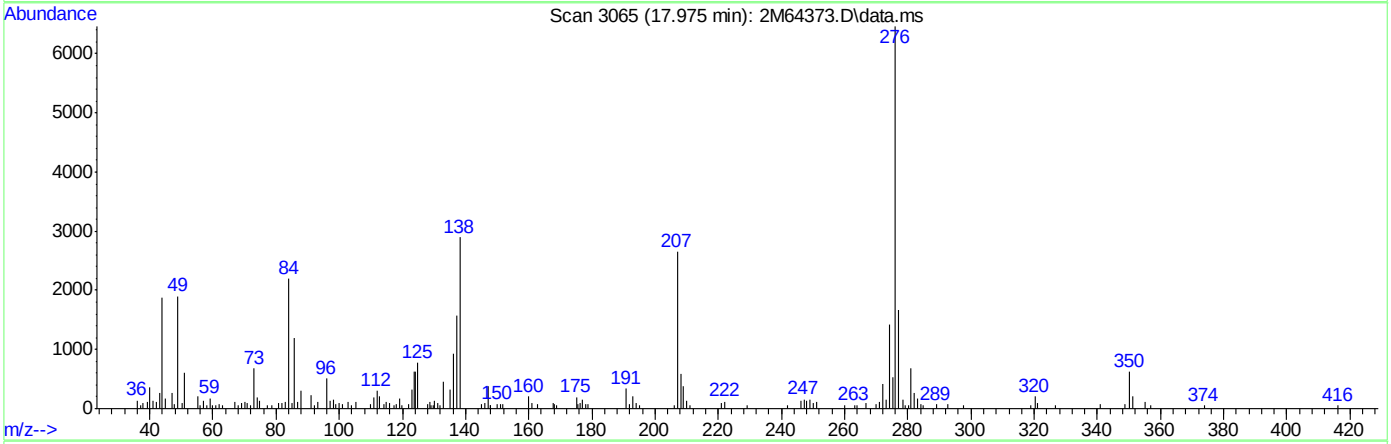
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		17.97	Overlapping peak

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

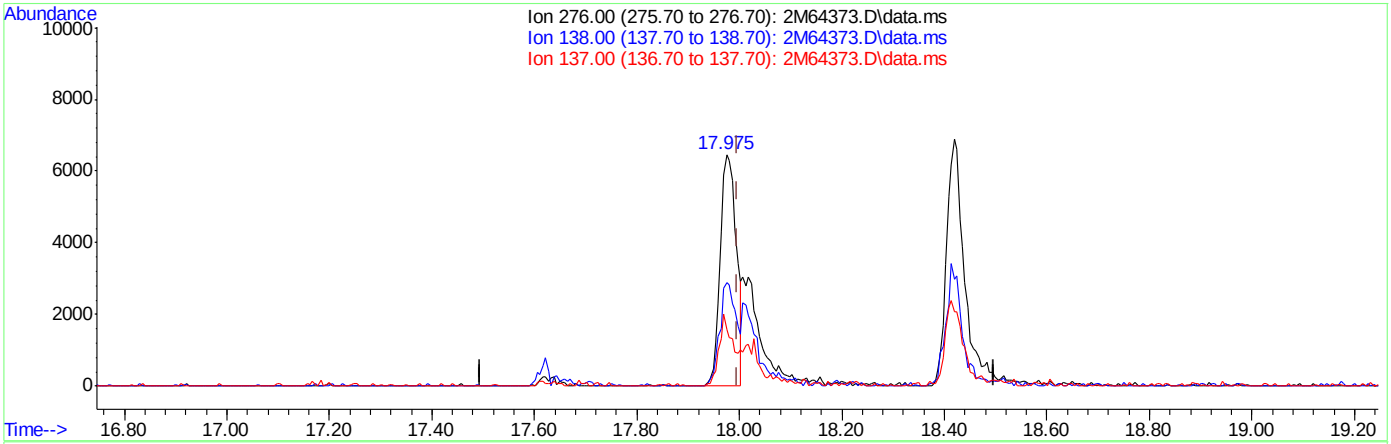
Ion	Exp%	Act%
276.00	100	100
138.00	30.00	44.33
137.00	20.70	23.77
0.00	0.00	0.00

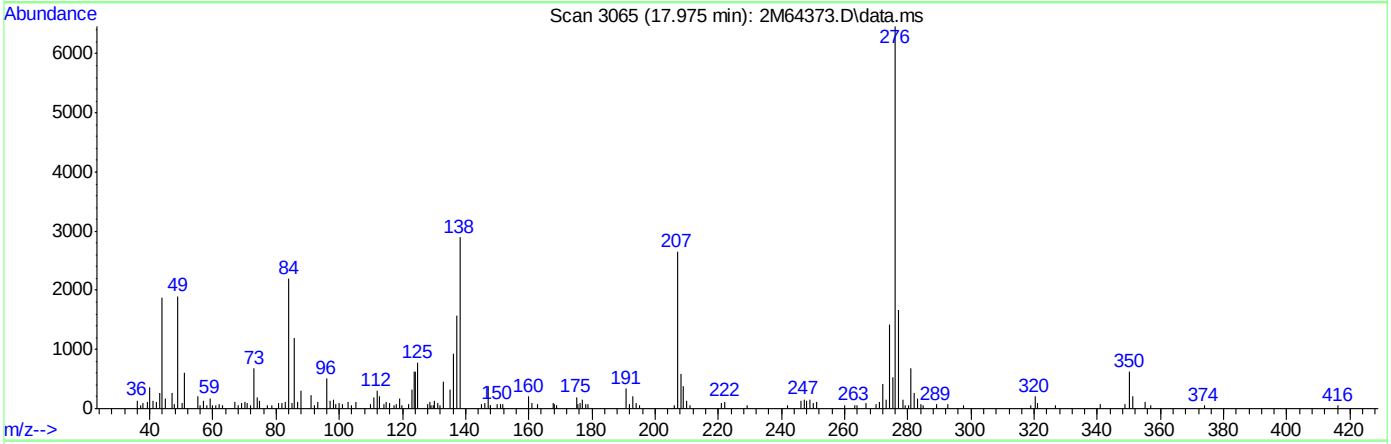
ACCUTEST LABORATORIES JB69123

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

9.6.83

9

ACCUTEST LABORATORIES JB69123

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

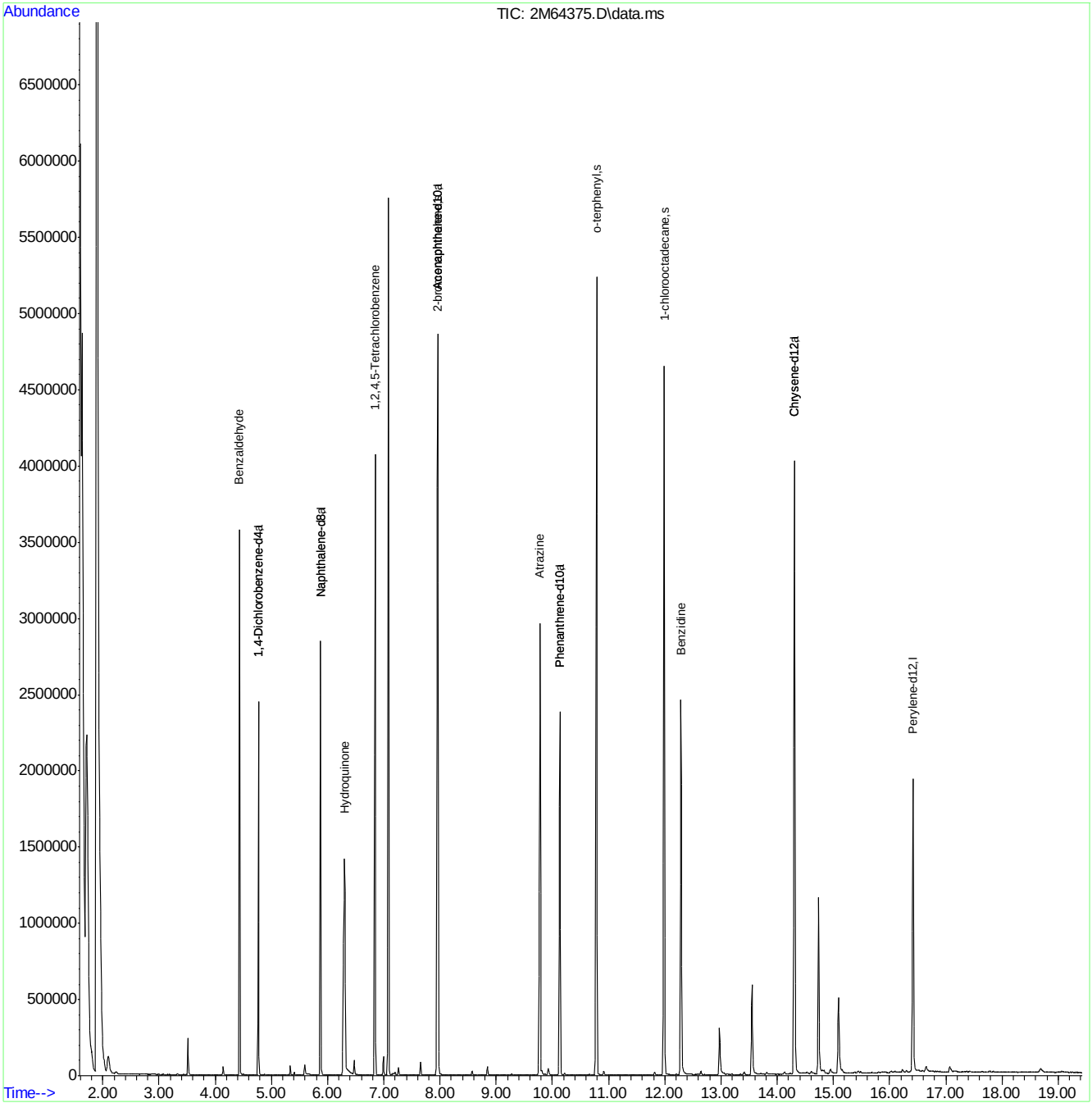
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	307270	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1254464	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	624700	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1054453	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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



M2M2729.M Mon Jun 16 16:44:24 2014 MS2M Page: 2

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

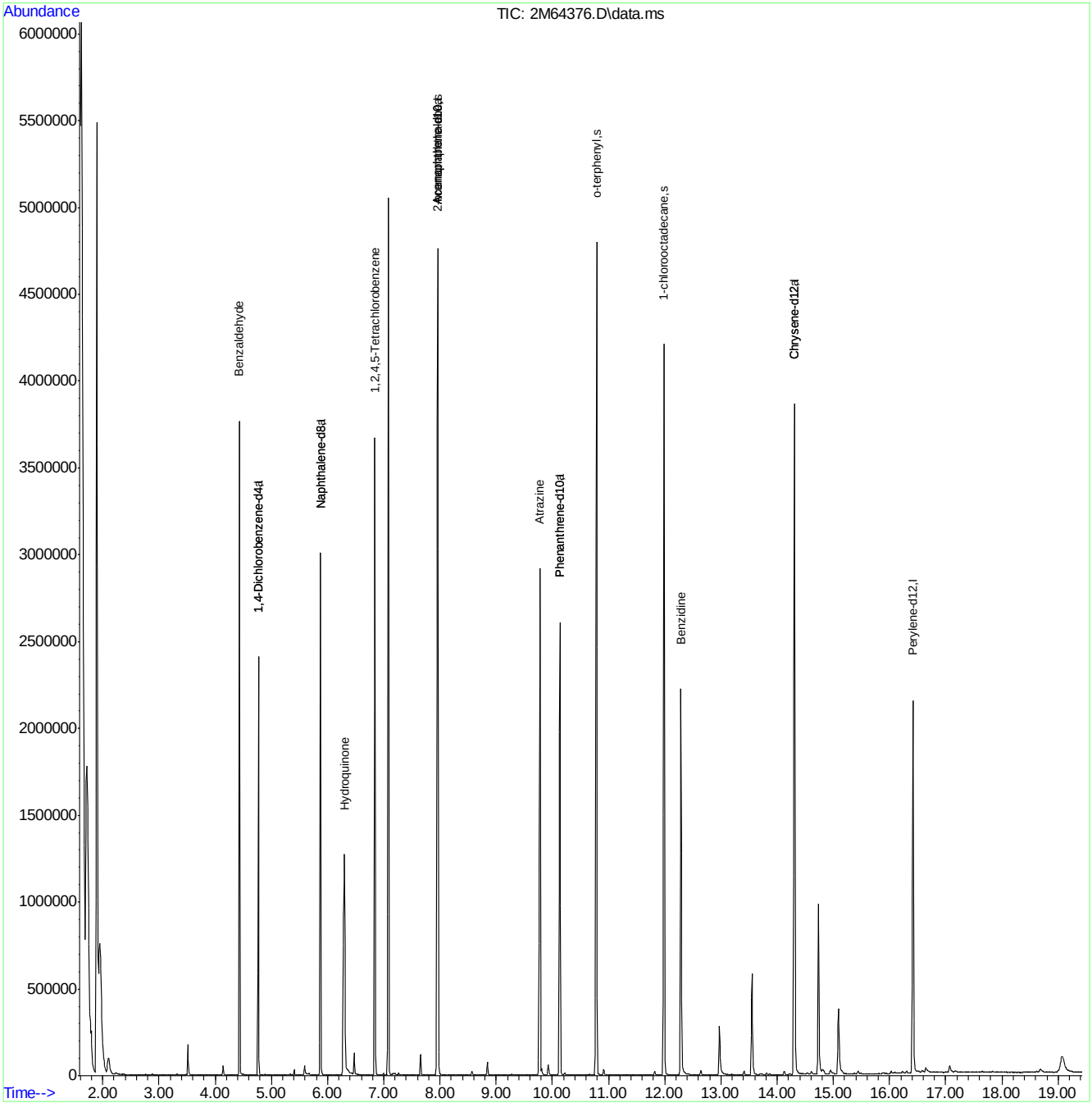
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	335358	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1362402	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	694201	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1165786	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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

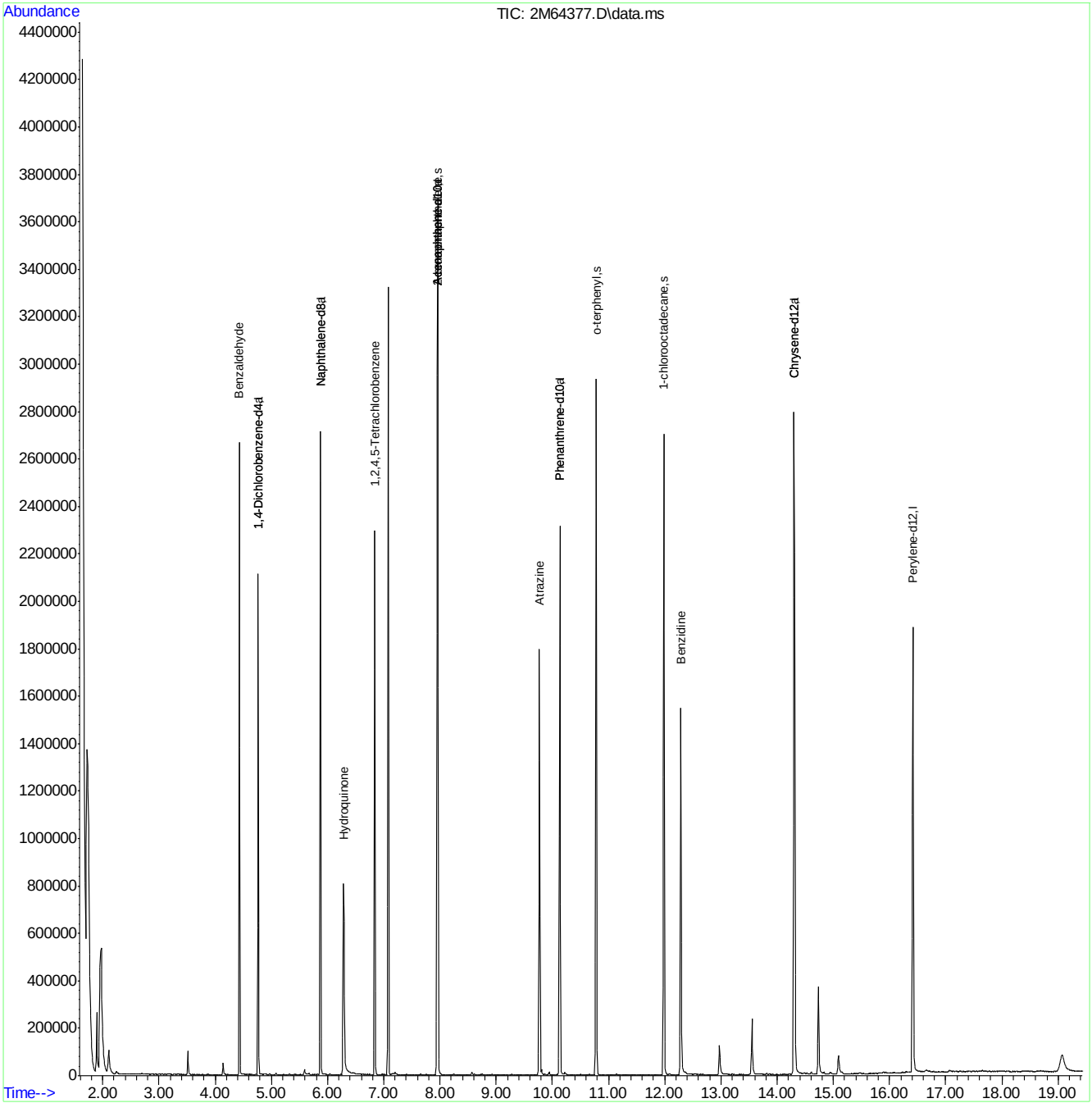
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	302776	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1214961	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	633615	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1017019	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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



ACCUTEST LABORATORIES JB69123

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

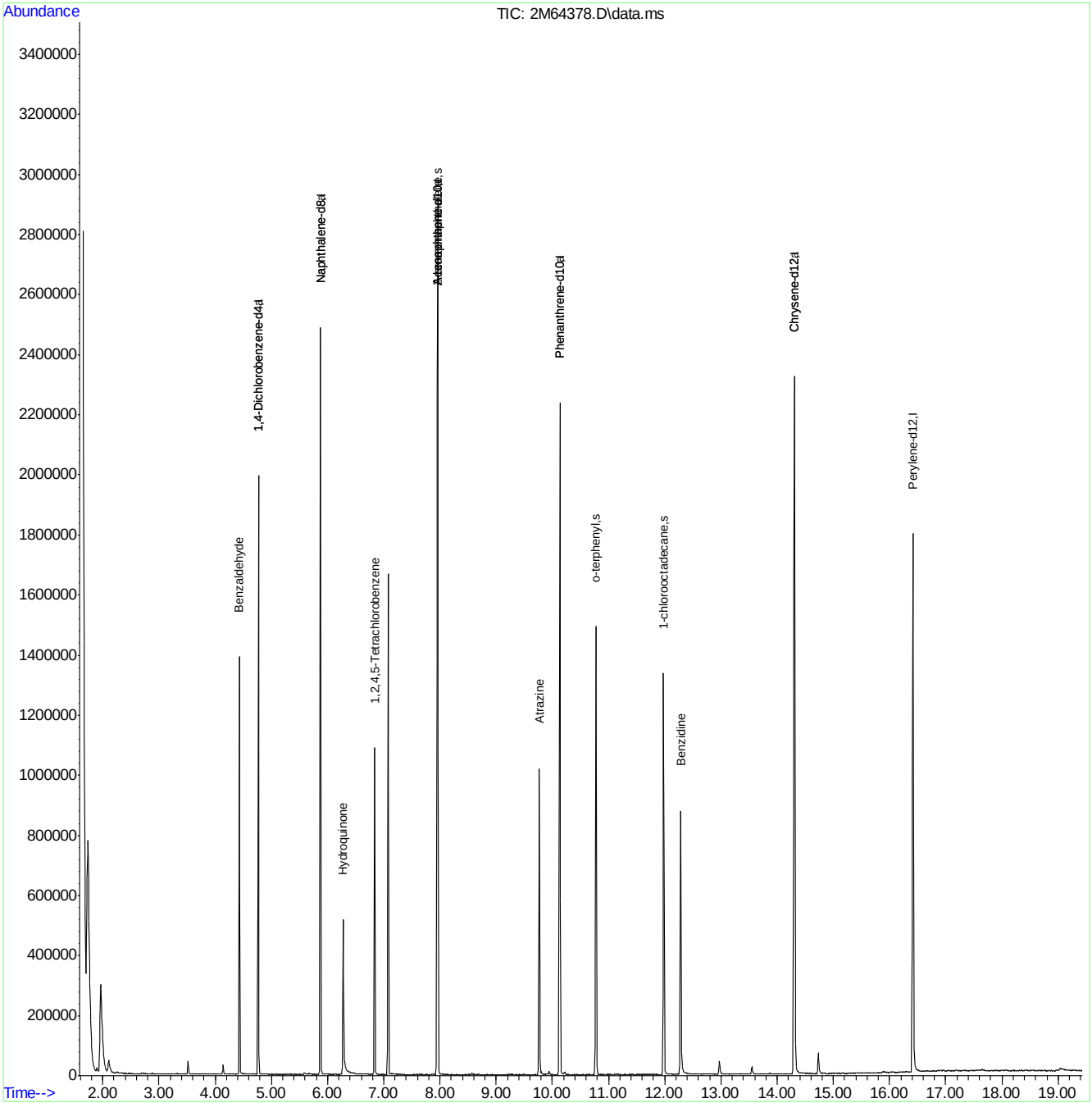
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	283286	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1141648	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	621822	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	975955	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	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



M2M2729.M Fri Jun 13 12:49:39 2014 MS2M Page: 2

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

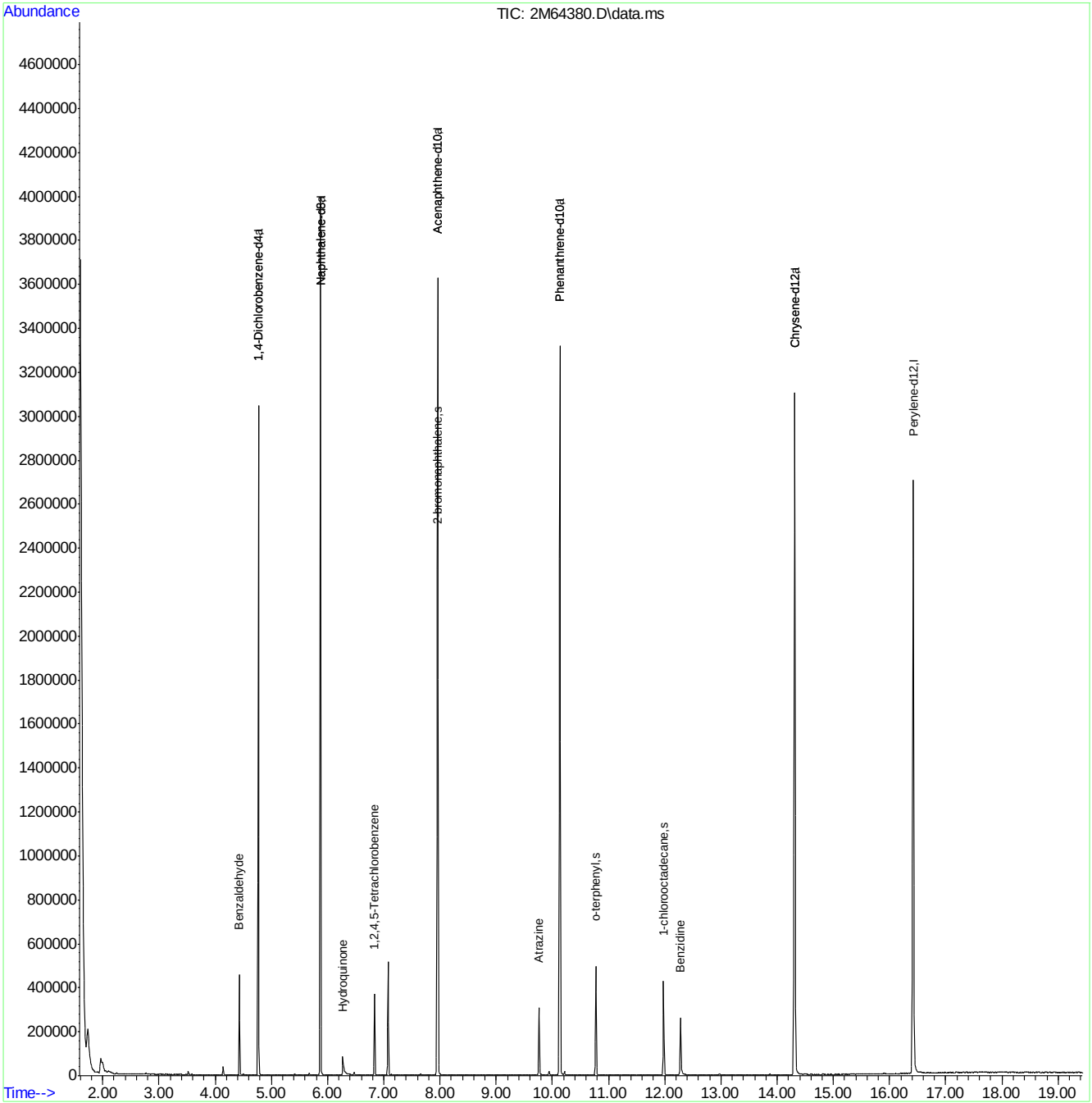
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	442192	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1766482	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	980031	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1526597	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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

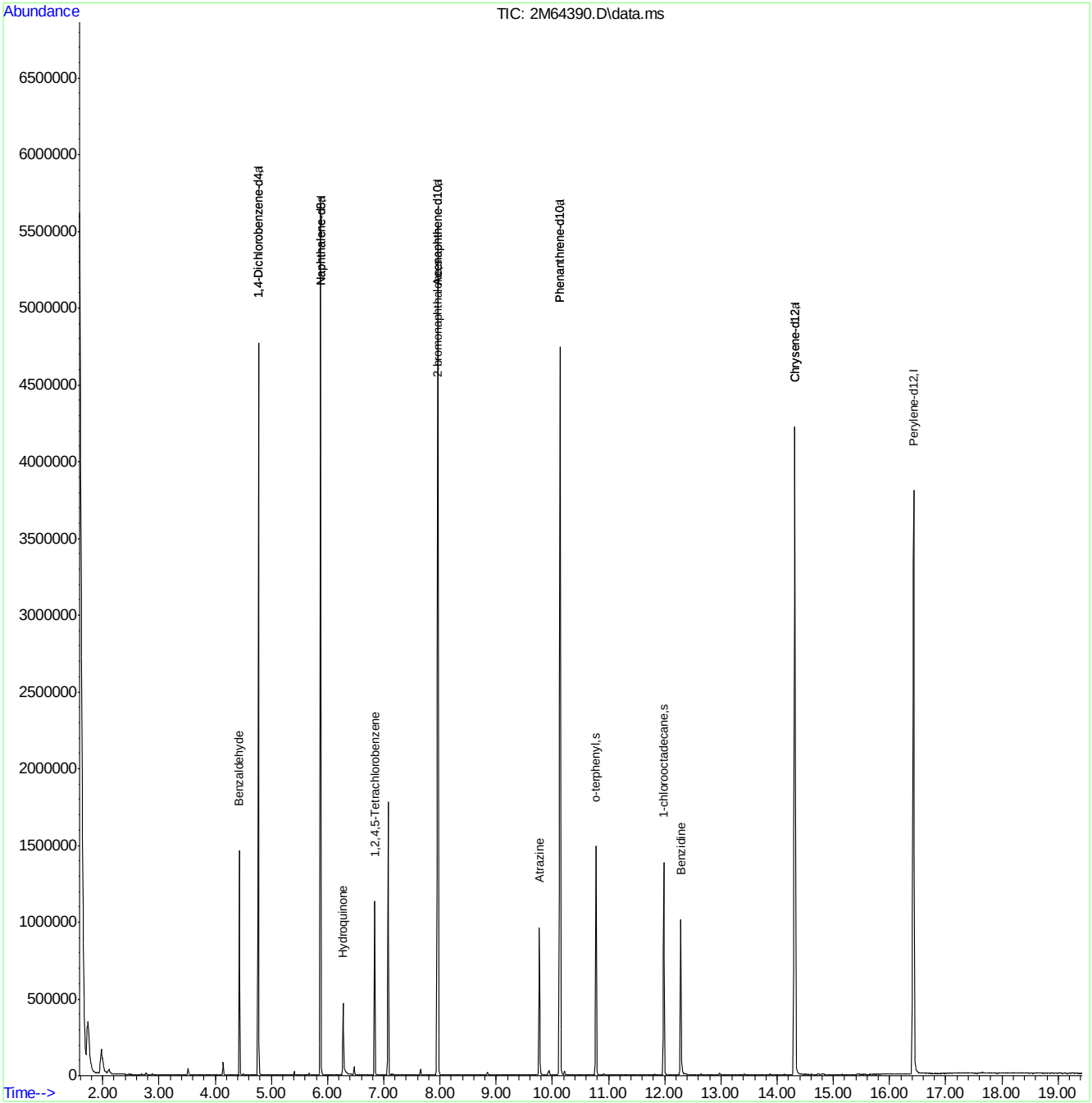
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	652629	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	2614905	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	1455119	40.00	ppb	0.00
69) Phenanthrene-d10	10.139	188	2384542	40.00	ppb	0.00
83) Chrysene-d12	14.317	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

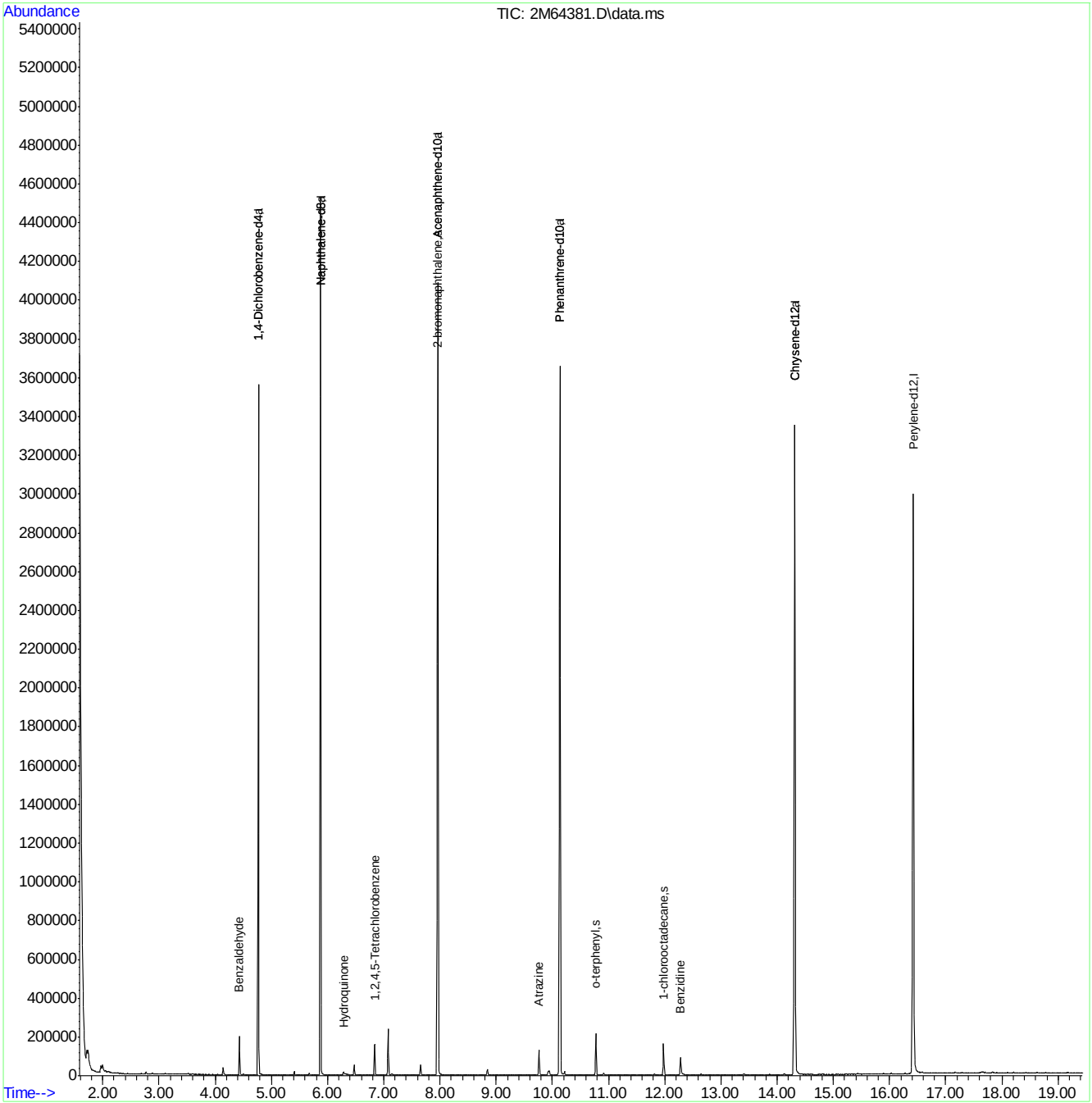
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	501361	40.00	ppb		0.00
24) Naphthalene-d8	5.876	136	1989664	40.00	ppb		0.00
47) Acenaphthene-d10	7.962	164	1112196	40.00	ppb		0.00
69) Phenanthrene-d10	10.139	188	1730926	40.00	ppb		0.00
83) Chrysene-d12	14.311	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

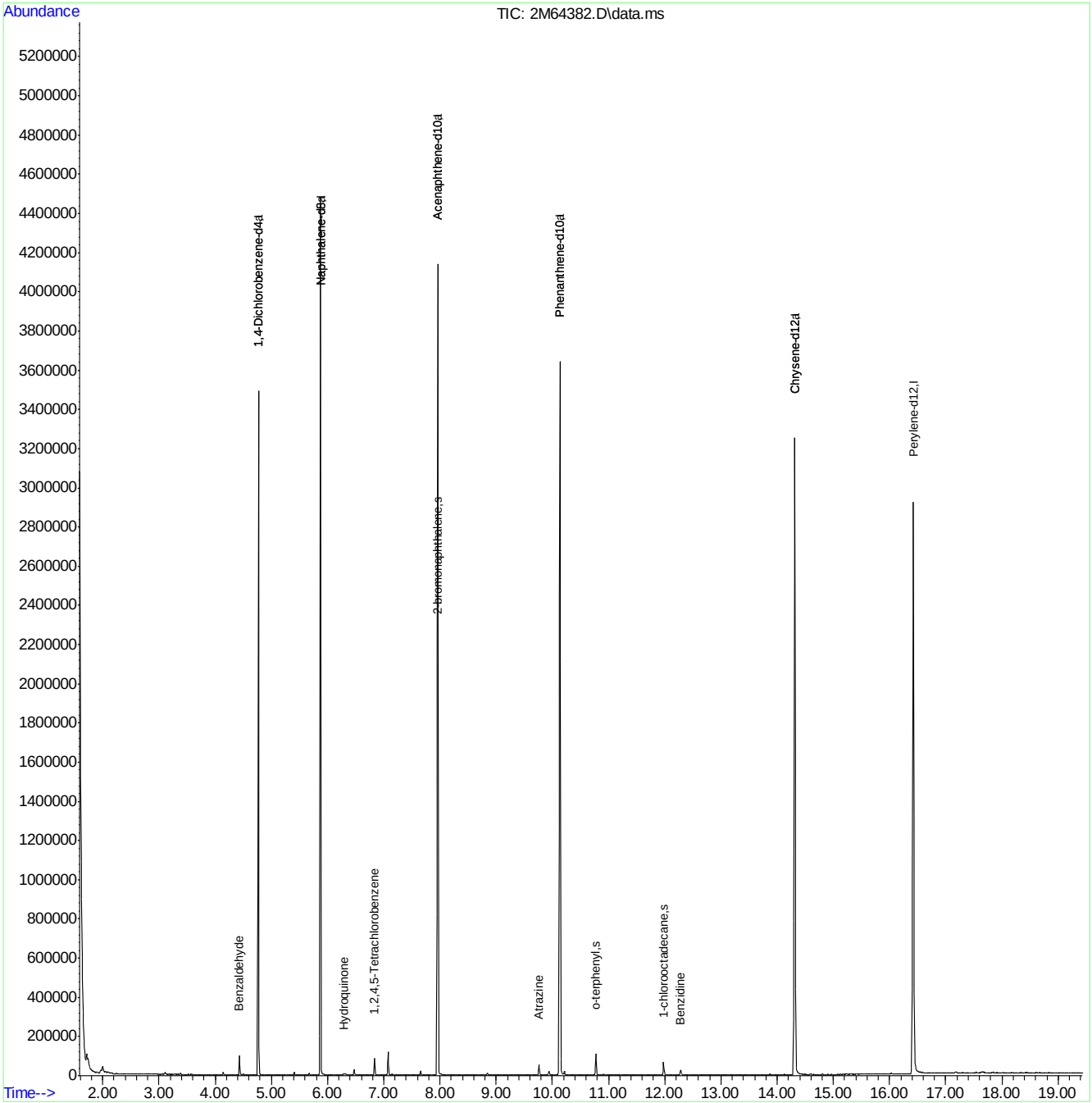
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	504713	40.00	ppb		0.00
24) Naphthalene-d8	5.876	136	2012688	40.00	ppb		0.00
47) Acenaphthene-d10	7.962	164	1120665	40.00	ppb		0.00
69) Phenanthrene-d10	10.139	188	1726023	40.00	ppb		0.00
83) Chrysene-d12	14.311	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



ACCUTEST LABORATORIES JB69123

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

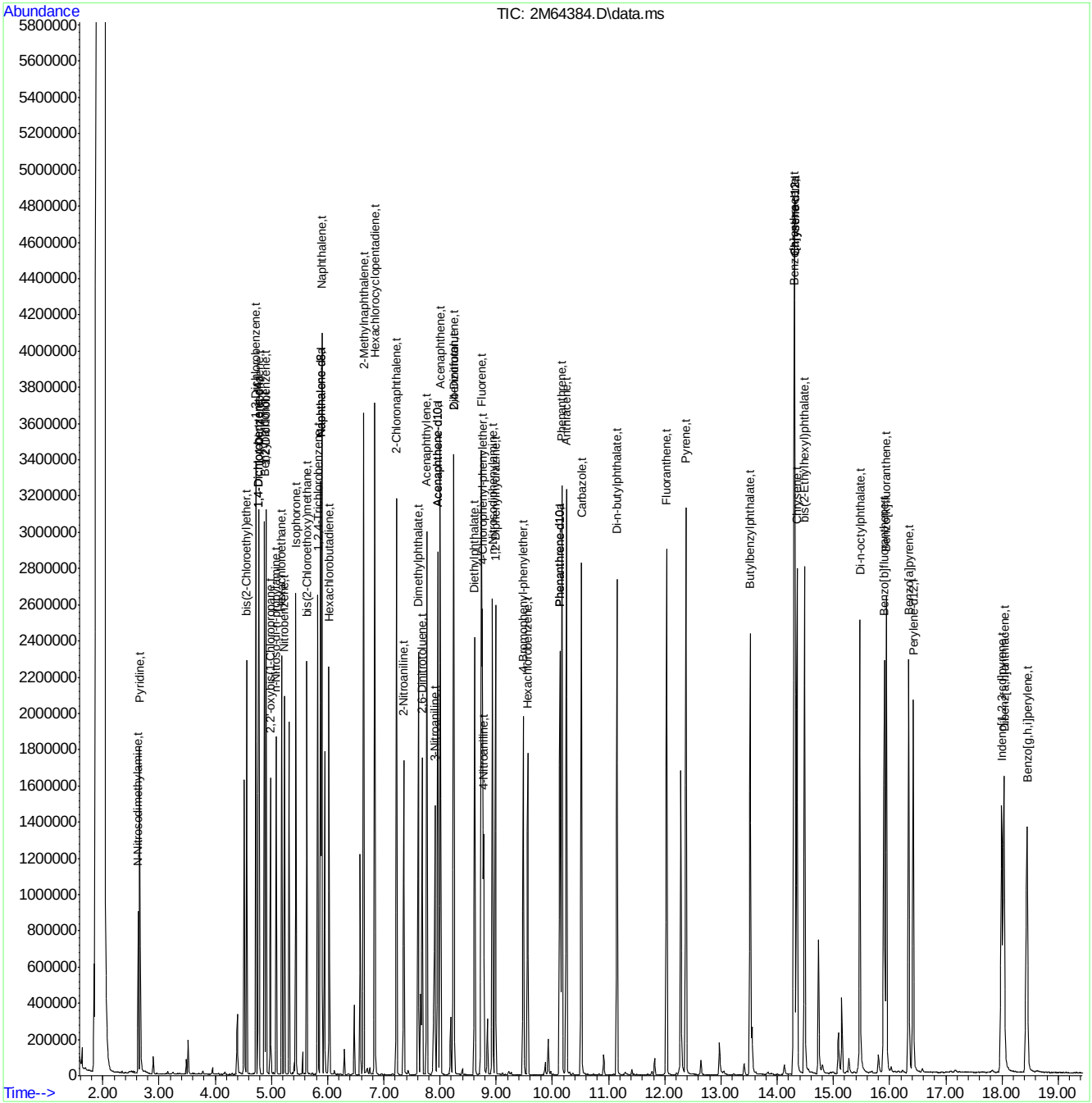
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 JB69123

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

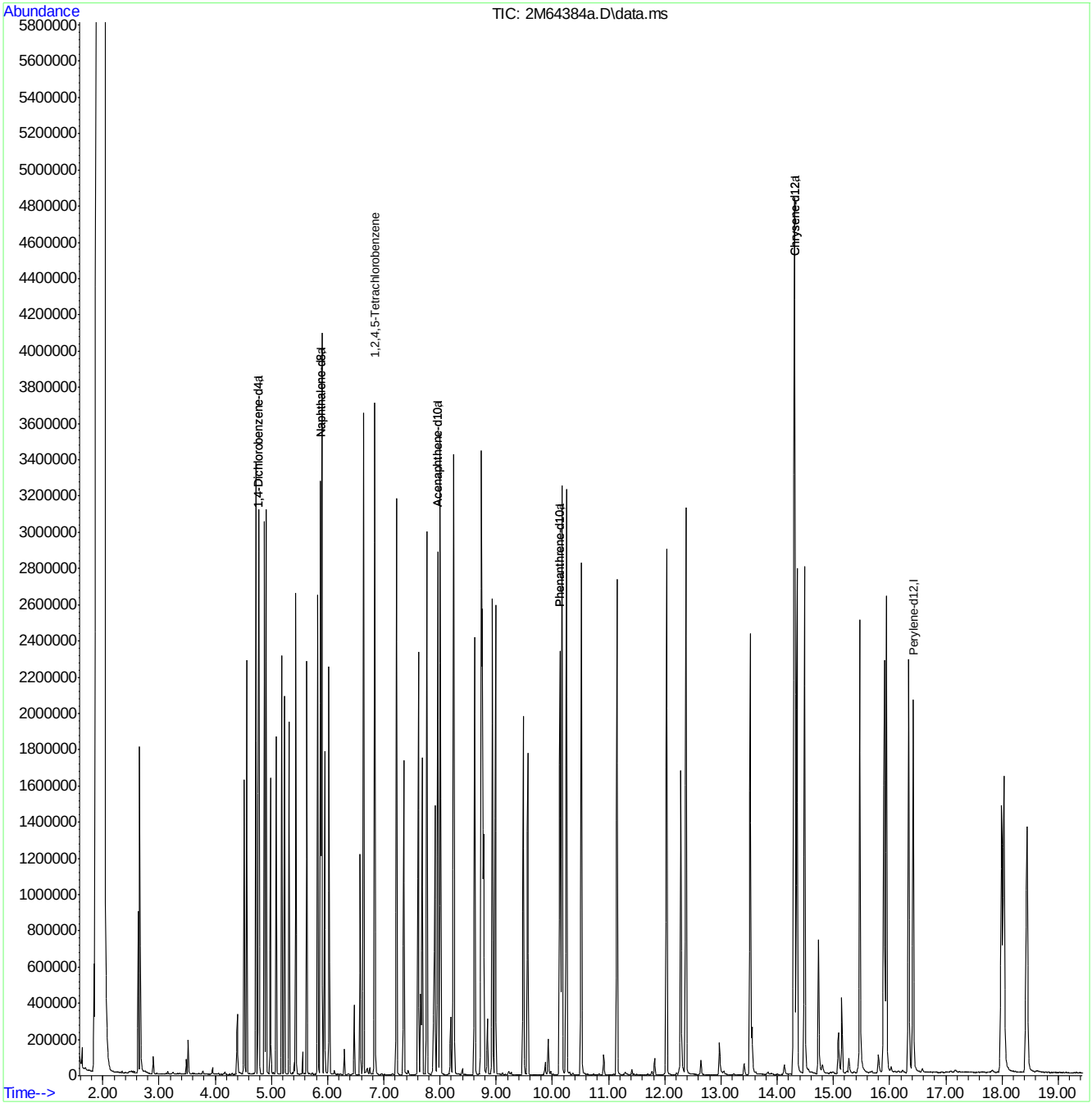
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	350428	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1415184	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	773168	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1167422	40.00	ppb	0.00
83) Chrysene-d12	14.316	240	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

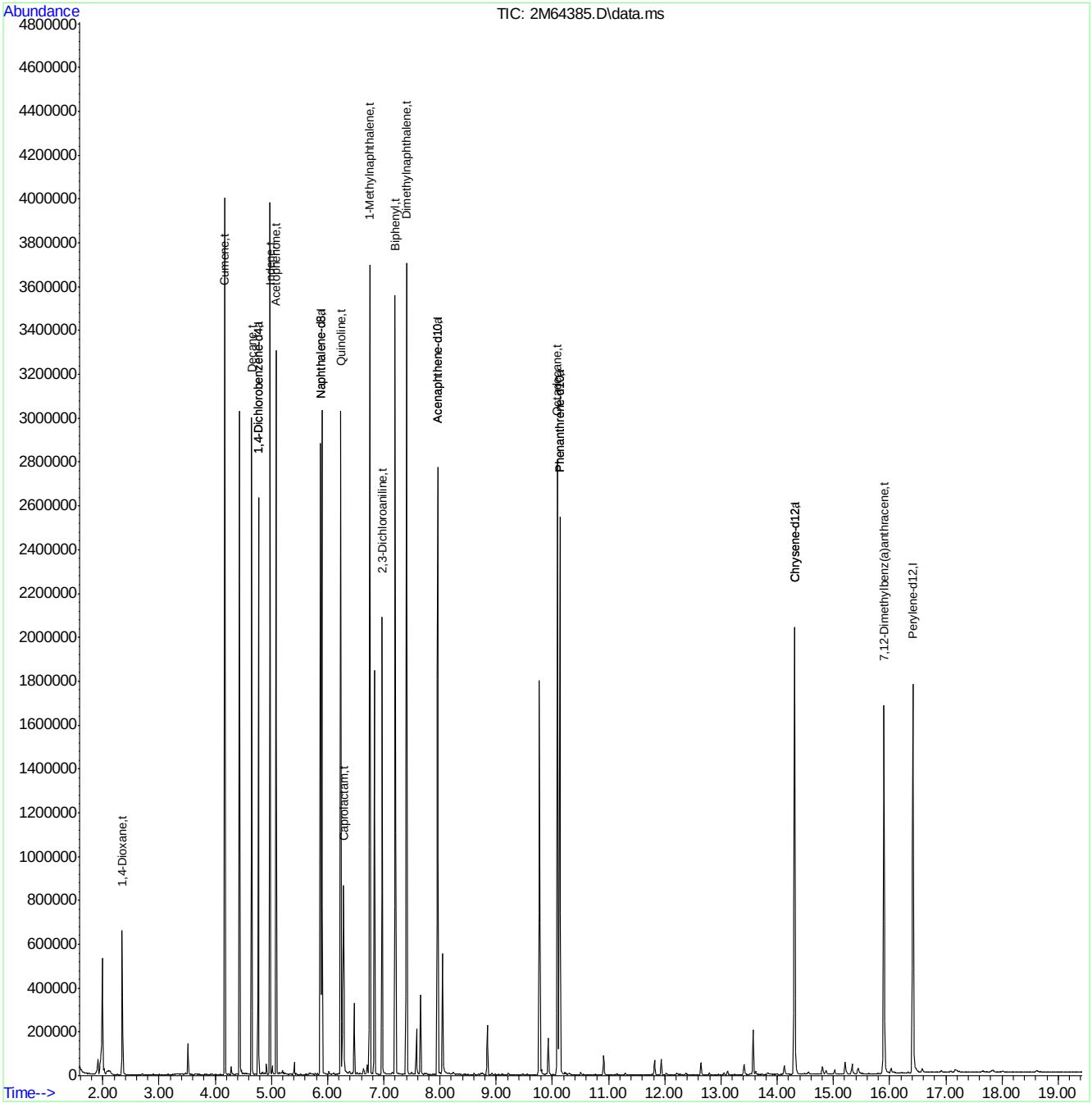
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	318725	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1308128	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	714859	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1094138	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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

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

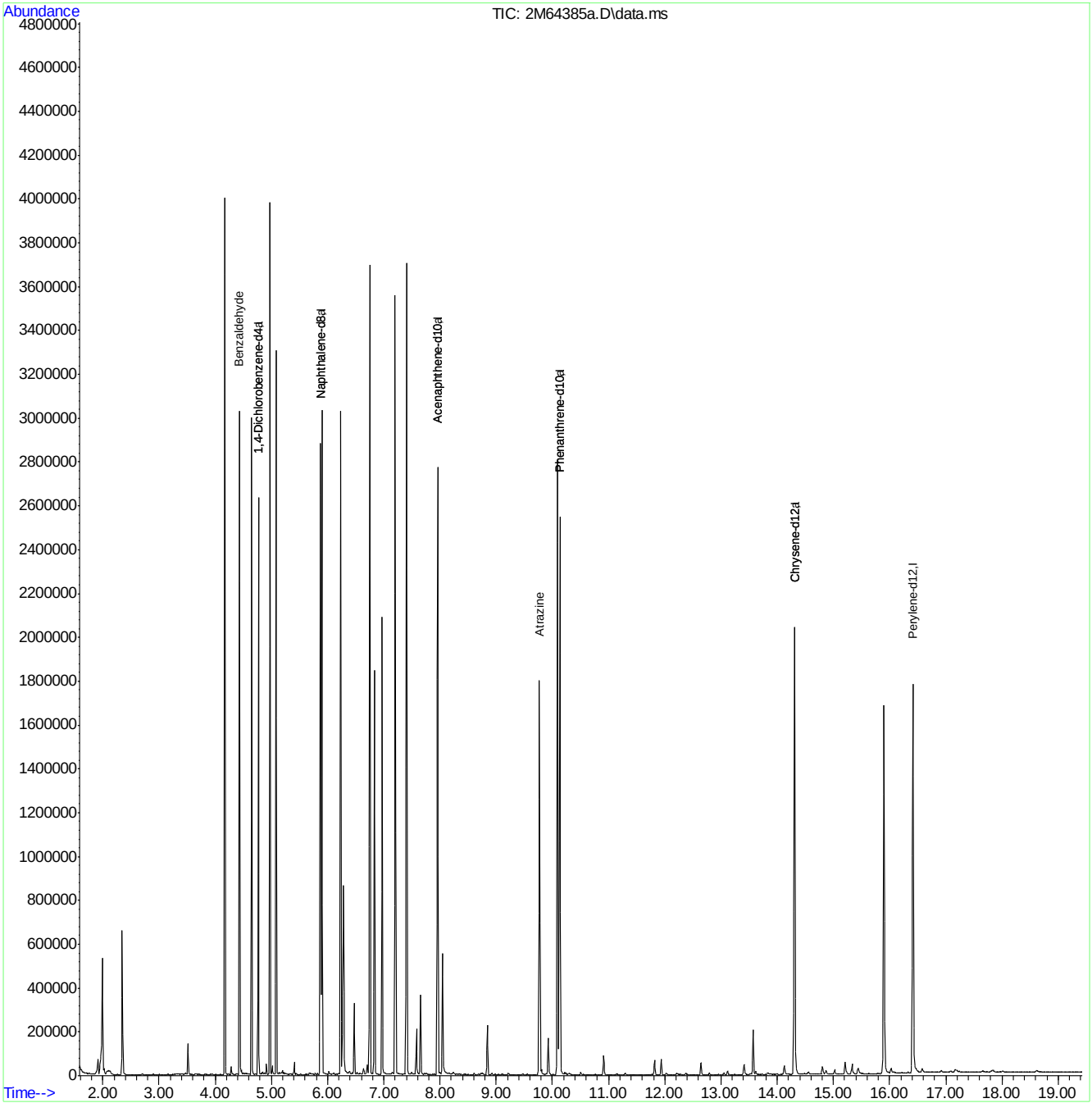
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69123

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
JB69123

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%			

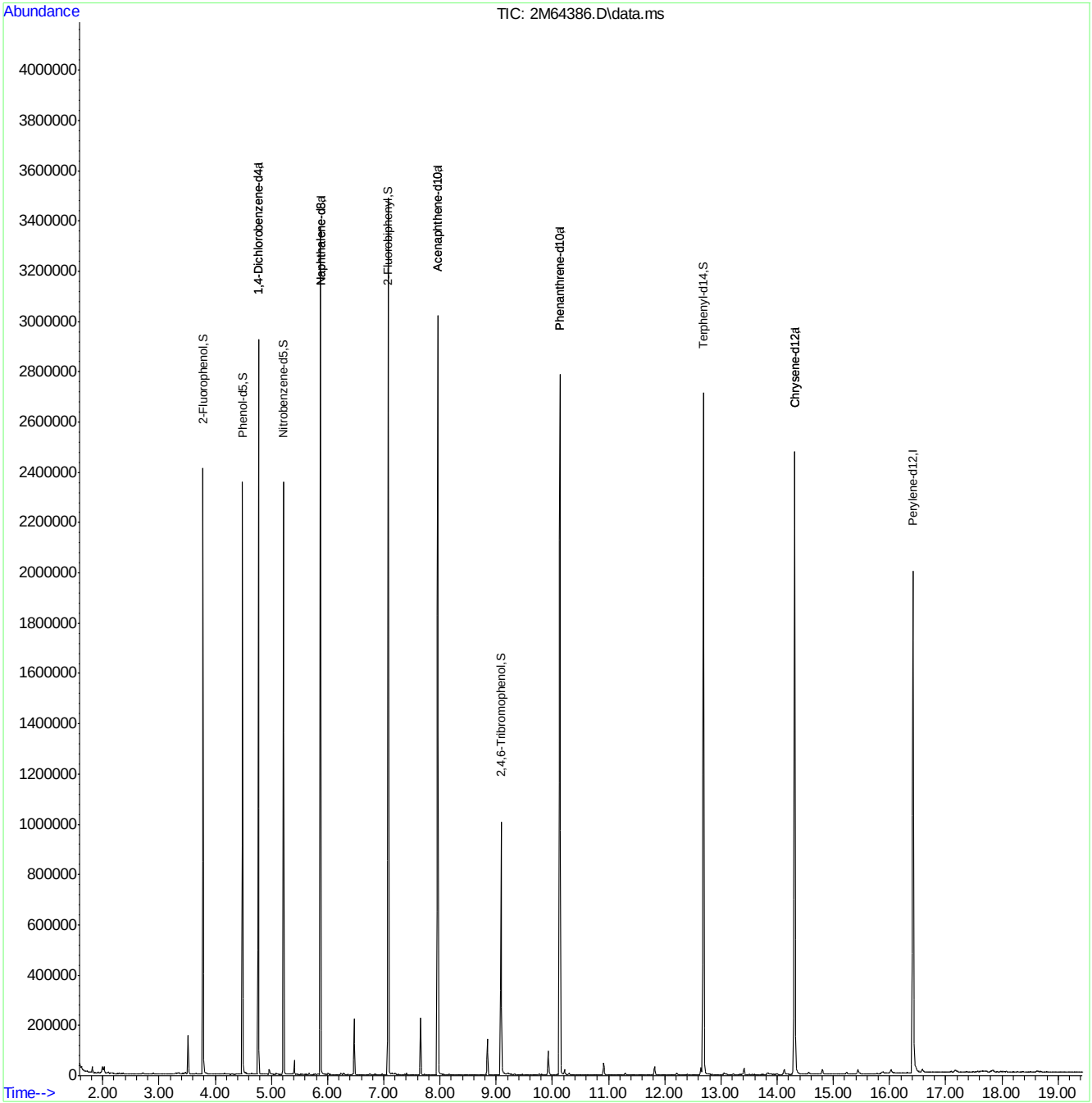
Target Compounds	Qvalue

(#) = 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



M2M2729.M Fri Jun 13 16:14:39 2014 MS2M Page: 2

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

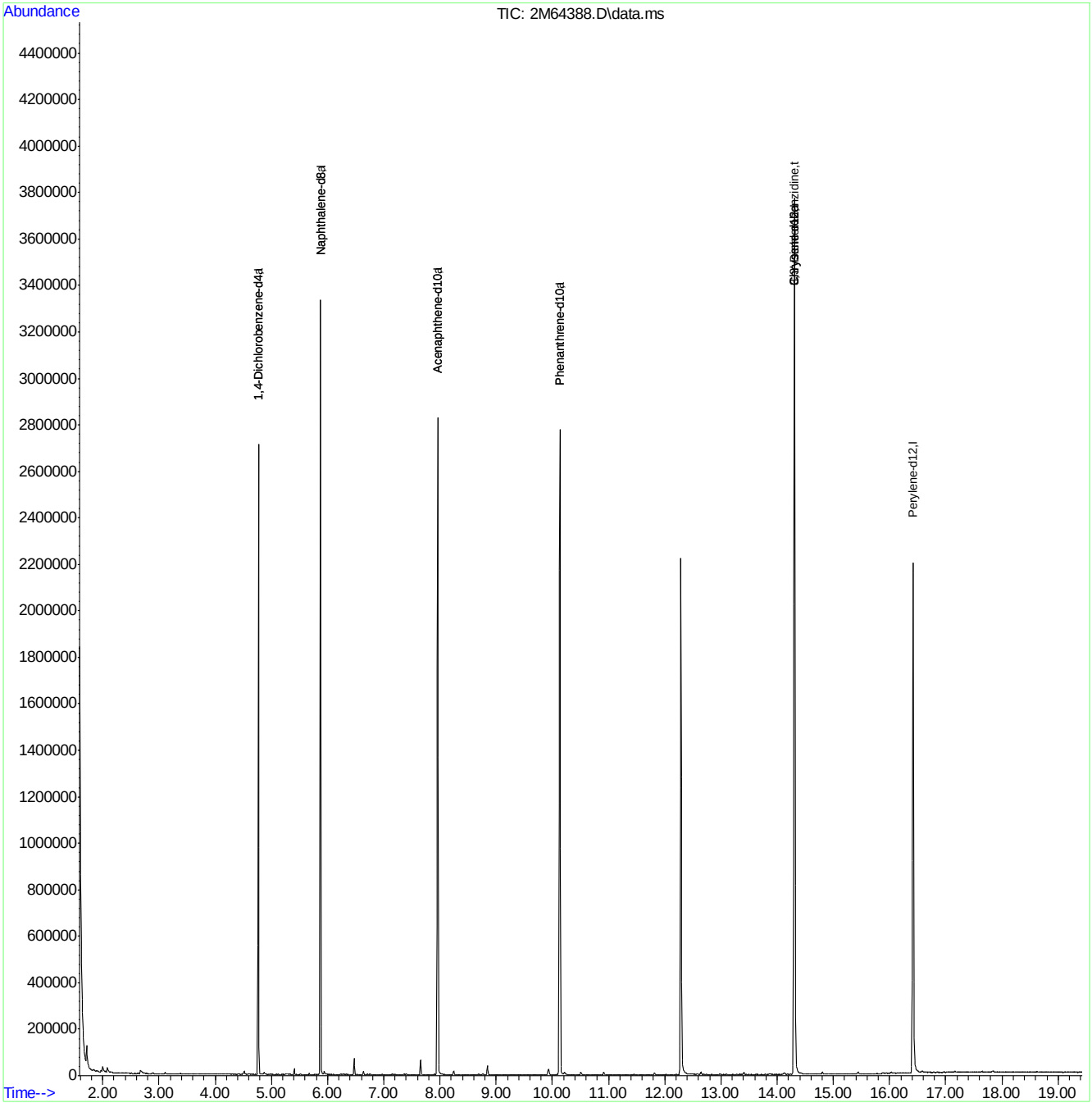
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	364733	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1423558	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	791367	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1228059	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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 : 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

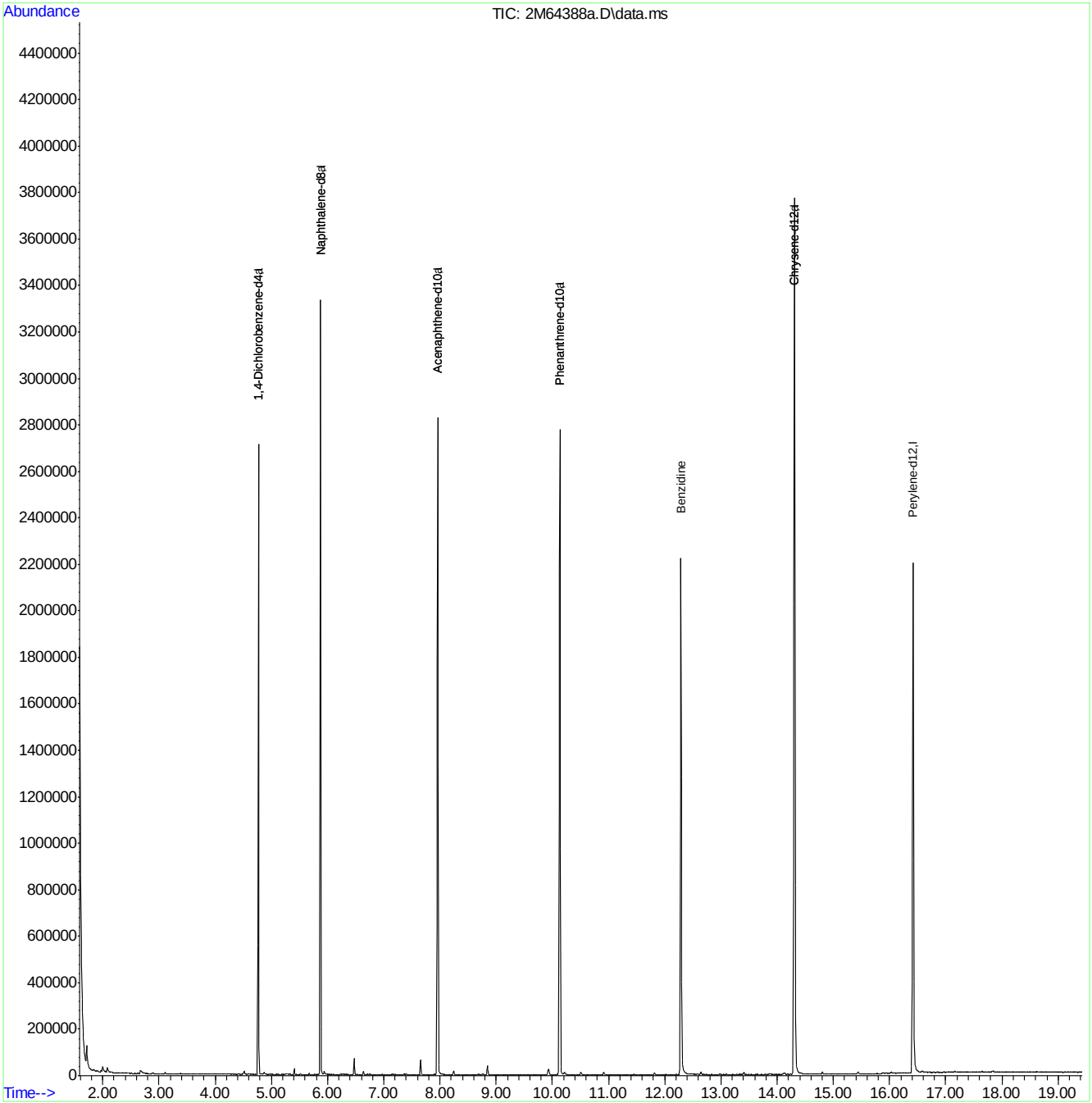
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	364733	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1423558	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	791367	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1228059	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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



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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

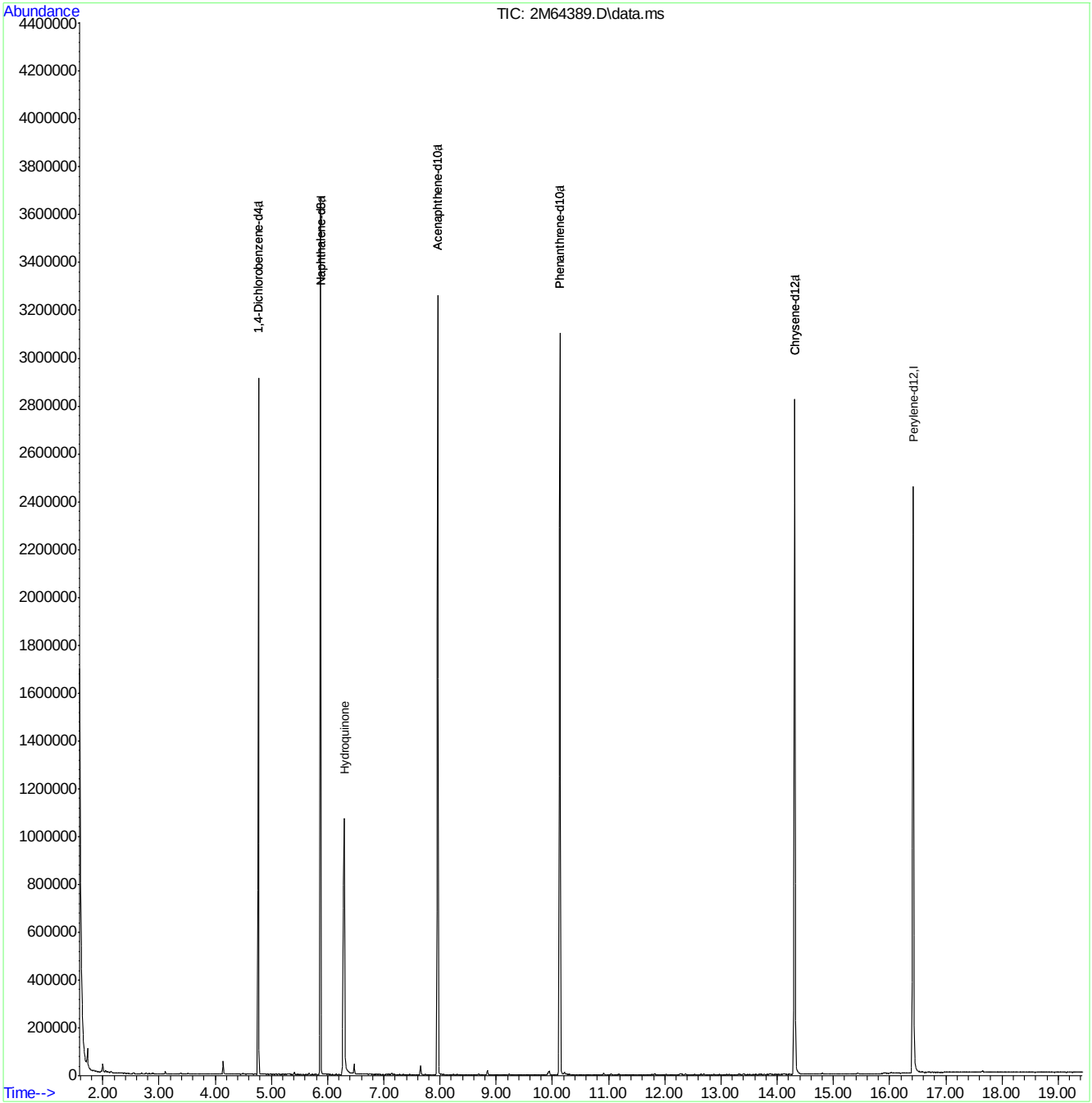
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.769	152	407690	40.00	ppb	0.00
24) Naphthalene-d8	5.876	136	1630956	40.00	ppb	0.00
47) Acenaphthene-d10	7.962	164	904277	40.00	ppb	0.00
69) Phenanthrene-d10	10.134	188	1408572	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	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



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

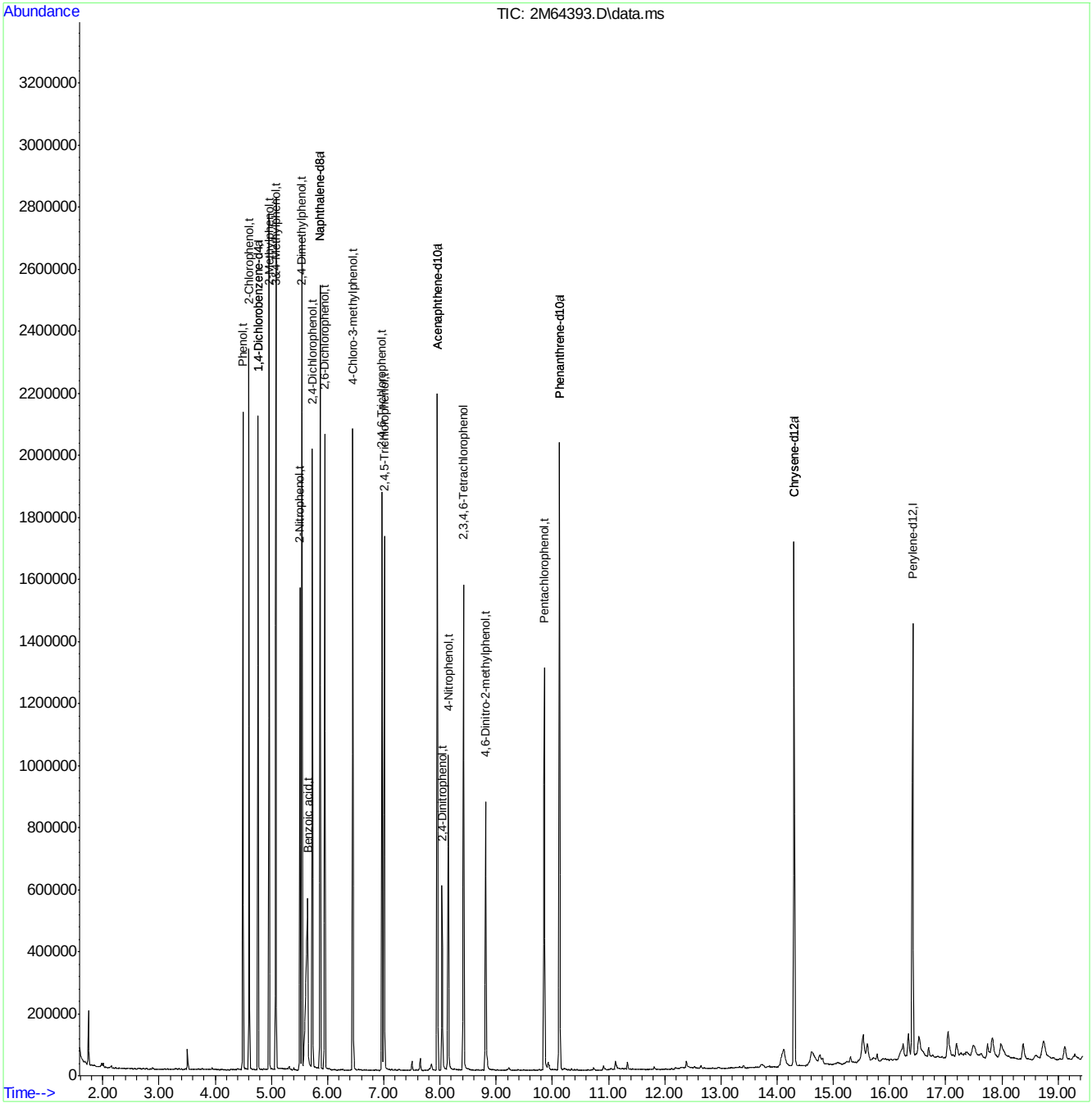
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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



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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

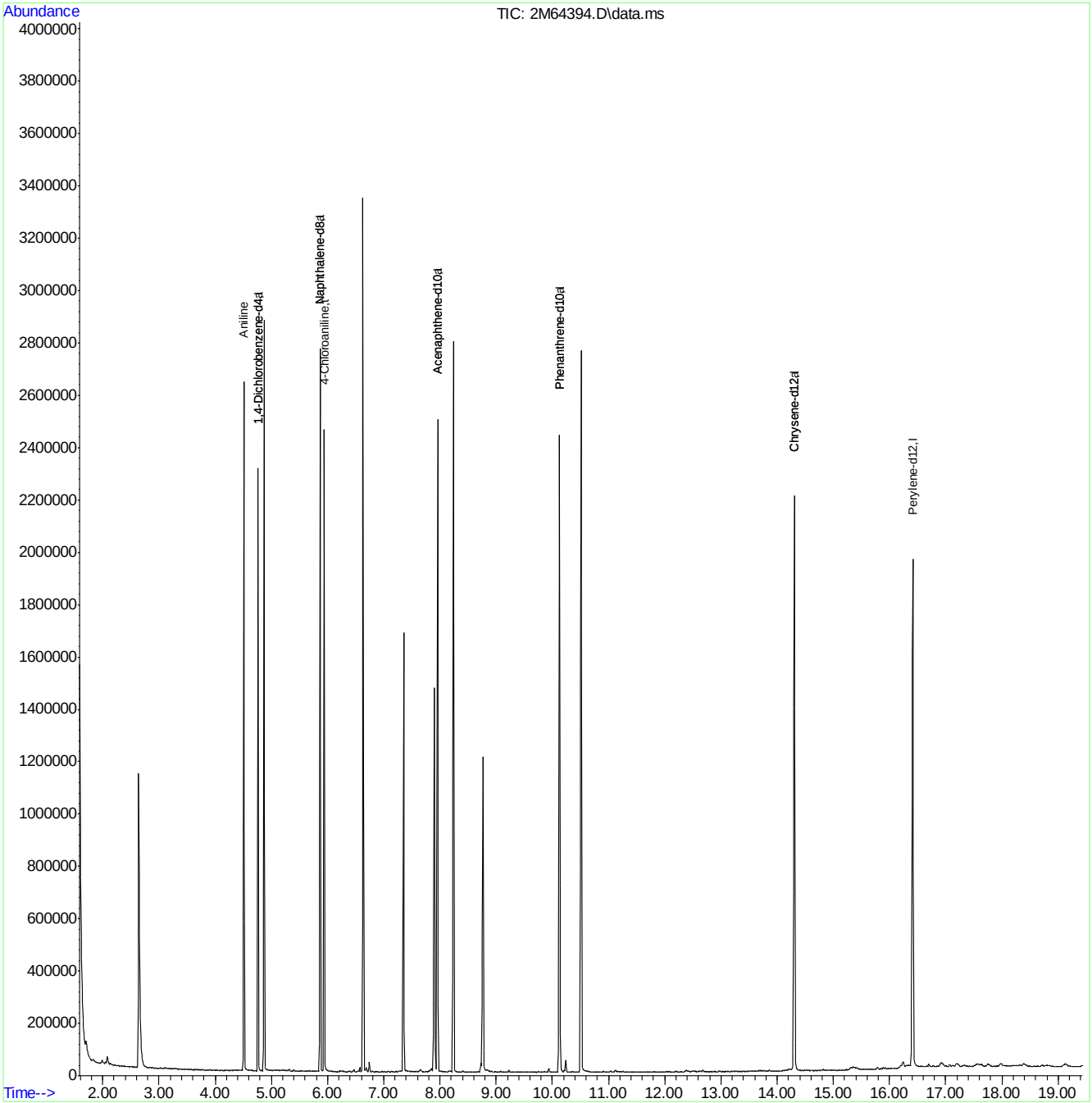
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.764	152	292308	40.00	ppb	0.00
24) Naphthalene-d8	5.871	136	1194106	40.00	ppb	0.00
47) Acenaphthene-d10	7.957	164	669918	40.00	ppb	0.00
69) Phenanthrene-d10	10.129	188	1051440	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	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\E2M2741\
Data File : 2M64665.D
Acq On : 19 Jun 2014 10:18 am
Operator : saumilp
Sample : CC2729-50
Misc : op75642,E2M2741
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 13:19:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 12:39:50 2014
QLast Update : Thu Jun 19 13:18:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.550	152	310232	40.00	ppb	0.00
24) Naphthalene-d8	5.620	136	1238723	40.00	ppb	0.00
47) Acenaphthene-d10	7.631	164	738618	40.00	ppb	0.00
69) Phenanthrene-d10	9.786	188	1152773	40.00	ppb	0.00
83) Chrysene-d12	13.942	240	1074817	40.00	ppb	0.00
92) Perylene-d12	16.049	264	716876	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.550	152	310232	40.00	ppb	0.00
104) Acenaphthene-d10a	7.631	164	738618	40.00	ppb	0.00
106) Chrysene-d12a	13.942	240	1074817	40.00	ppb	0.00
108) Phenanthrene-d10a	9.786	188	1152773	40.00	ppb	0.00
110) Naphthalene-d8a	5.620	136	1238723	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.646	112	454826	37.40	ppb	0.00
Spiked Amount 50.000			Recovery =	74.80%		
8) Phenol-d5	4.373	99	619271	39.22	ppb	0.00
Spiked Amount 50.000			Recovery =	78.44%		
25) Nitrobenzene-d5	5.005	82	612391	46.80	ppb	0.00
Spiked Amount 50.000			Recovery =	93.60%		
51) 2-Fluorobiphenyl	6.780	172	1111933	44.57	ppb	0.00
Spiked Amount 50.000			Recovery =	89.14%		
73) 2,4,6-Tribromophenol	8.765	330	90223	36.21	ppb	0.00
Spiked Amount 50.000			Recovery =	72.42%		
85) Terphenyl-d14	12.311	244	918162	39.55	ppb	0.00
Spiked Amount 50.000			Recovery =	79.10%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.084	88	250740	40.25	ppb	86
3) Pyridine	2.475	79	596905	40.03	ppb	81
4) N-Nitrosodimethylamine	2.426	74	314532	37.51	ppb	60
6) Indene	4.748	116	1081482	50.17	ppb	98
7) Cumene	3.946	105	1641454	49.35	ppb	97
9) Phenol	4.379	94	728351	40.27	ppb	80
10) Aniline	4.347	93	310038	14.59	ppb	86
11) bis(2-Chloroethyl)ether	4.368	93	556493	45.52	ppb	97
12) 2-Chlorophenol	4.432	128	553435	42.26	ppb	95
13) Decane	4.411	43	473772	54.23	ppb	93
14) 1,3-Dichlorobenzene	4.507	146	618366	43.37	ppb	98
15) 1,4-Dichlorobenzene	4.566	146	635806	43.95	ppb	100
16) Benzyl alcohol	4.694	108	361994	38.81	ppb	78
17) 1,2-Dichlorobenzene	4.684	146	600723	44.81	ppb	99
18) Acetophenone	4.876	105	935276	52.19	ppb	94
19) 2-Methylphenol	4.812	108	513433	41.93	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.758	45	579083	52.48	ppb	88
21) 3&4-Methylphenol	4.935	108	559974	46.04	ppb	98
22) n-Nitroso-di-n-propyla...	4.876	70	393598	50.75	ppb	95
23) Hexachloroethane	4.940	201	196662	48.86	ppb	97
26) Nitrobenzene	5.021	77	661997	48.54	ppb	95
27) Quinoline	5.999	129	1192515	46.60	ppb	97
28) Isophorone	5.208	82	1045854	43.46	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64665.D
Acq On : 19 Jun 2014 10:18 am
Operator : saumilp
Sample : CC2729-50
Misc : op75642,E2M2741
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 13:19:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 12:39:50 2014
QLast Update : Thu Jun 19 13:18:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.288	139	293837	44.49	ppb		84
30) 2,4-Dimethylphenol	5.358	107	562830	44.14	ppb		94
31) Benzoic acid	5.513	105	385314	42.12	ppb		91
32) bis(2-Chloroethoxy)met...	5.395	93	563508	41.78	ppb		99
33) 2,4-Dichlorophenol	5.529	162	423216	45.88	ppb		98
34) 2,6-Dichlorophenol	5.727	162	431181	46.91	ppb		99
35) 1,3,5-Trichlorobenzene	5.272	180	559347	52.74	ppb		99
36) 1,2,4-Trichlorobenzene	5.561	180	450418	44.85	ppb		97
37) 1,2,3-Trichlorobenzene	5.780	180	519755	51.80	ppb		98
38) Naphthalene	5.636	128	1669310	44.59	ppb		100
39) 4-Chloroaniline	5.727	127	455962	29.37	ppb		93
40) 2,3-Dichloroaniline	6.711	161	619876	54.34	ppb		96
41) Caprolactam	6.112	55	260832	56.39	ppb		86
42) Hexachlorobutadiene	5.753	225	249174	52.26	ppb		97
43) 4-Chloro-3-methylphenol	6.283	107	520639	46.81	ppb		94
44) 2-Methylnaphthalene	6.347	141	947133	45.94	ppb		96
45) 1-Methylnaphthalene	6.459	142	1225097	51.20	ppb		96
46) Dimethylnaphthalene	7.090	156	1134308	54.07	ppb		97
48) Hexachlorocyclopentadiene	6.524	237	594533	115.71	ppb		98
49) 2,4,6-Trichlorophenol	6.716	196	303284	48.82	ppb		98
50) 2,4,5-Trichlorophenol	6.786	196	316160	46.31	ppb		98
52) 2-Chloronaphthalene	6.919	162	979189	41.74	ppb		96
53) Biphenyl	6.898	154	1565678	50.12	ppb		99
54) 2-Nitroaniline	7.112	65	367574	54.07	ppb	#	77
55) Dimethylphthalate	7.321	163	1083701	43.96	ppb		99
56) Acenaphthylene	7.449	152	1619024	42.75	ppb		100
57) 2,6-Dinitrotoluene	7.406	165	238107	42.47	ppb		80
58) 3-Nitroaniline	7.668	138	265316	36.21	ppb		90
59) Acenaphthene	7.674	153	1038947	44.00	ppb		95
60) 2,4-Dinitrophenol	7.786	184	273976	88.52	ppb	#	38
61) 4-Nitrophenol	8.048	109	207882	58.09	ppb	#	74
62) Dibenzofuran	7.920	168	1373056	42.54	ppb		92
63) 2,4-Dinitrotoluene	7.957	165	333908	44.68	ppb		99
64) 2,3,4,6-Tetrachlorophenol	8.139	232	215029	43.42	ppb		88
65) Diethylphthalate	8.294	149	1176571	48.24	ppb		98
66) Fluorene	8.396	166	1178168	46.43	ppb		100
67) 4-Chlorophenyl-phenyle...	8.412	204	508288	46.17	ppb		94
68) 4-Nitroaniline	8.551	138	264775	35.66	ppb	#	65
70) 4,6-Dinitro-2-methylph...	8.535	198	173445	42.91	ppb		79
71) n-Nitrosodiphenylamine	8.610	169	741986	44.03	ppb		97
72) 1,2-Diphenylhydrazine	8.642	77	1337544	47.53	ppb		92
74) 4-Bromophenyl-phenylether	9.123	248	228074	42.38	ppb	#	81
75) Hexachlorobenzene	9.198	284	243696	37.51	ppb		74
76) Pentachlorophenol	9.562	266	310849	85.16	ppb		99
77) Phenanthrene	9.818	178	1569999	43.26	ppb		100
78) Anthracene	9.899	178	1544224	42.94	ppb		100
79) Carbazole	10.214	167	1712708	48.63	ppb		98
80) Di-n-butylphthalate	10.776	149	1906388	49.21	ppb		98
81) Fluoranthene	11.669	202	1538812	45.39	ppb		97
82) Octadecane	9.669	57	841337	57.56	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64665.D
Acq On : 19 Jun 2014 10:18 am
Operator : saumilp
Sample : CC2729-50
Misc : op75642,E2M2741
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 13:19:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 12:39:50 2014
QLast Update : Thu Jun 19 13:18:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.017	202	1625382	41.50	ppb	99
86) Butylbenzylphthalate	13.134	149	843688	47.59	ppb	94
87) Butyl stearate	13.247	56	494431	50.47	ppb	92
88) Benzo[a]anthracene	13.926	228	1344191	41.23	ppb	100
89) 3,3'-Dichlorobenzidine	13.958	252	441666	40.50	ppb	96
90) Chrysene	13.980	228	1288478	39.75	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.060	149	1149234	48.16	ppb	95
93) Di-n-octylphthalate	15.028	149	1951217	59.81	ppb	97
94) Benzo[b]fluoranthene	15.531	252	1331137	52.16	ppb	98
95) Benzo[k]fluoranthene	15.568	252	1180156	47.35	ppb	98
96) Benzo[a]pyrene	15.969	252	992668	46.43	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.499	276	1046238	52.60	ppb	90
98) Dibenz(a,h)acridine	17.162	279	857491	48.21	ppb	100
99) Dibenz[a,h]anthracene	17.520	278	897325	42.64	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.520	256	628125	57.18	ppb	90
101) Benzo[g,h,i]perylene	17.905	276	765894	38.18	ppb	98

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

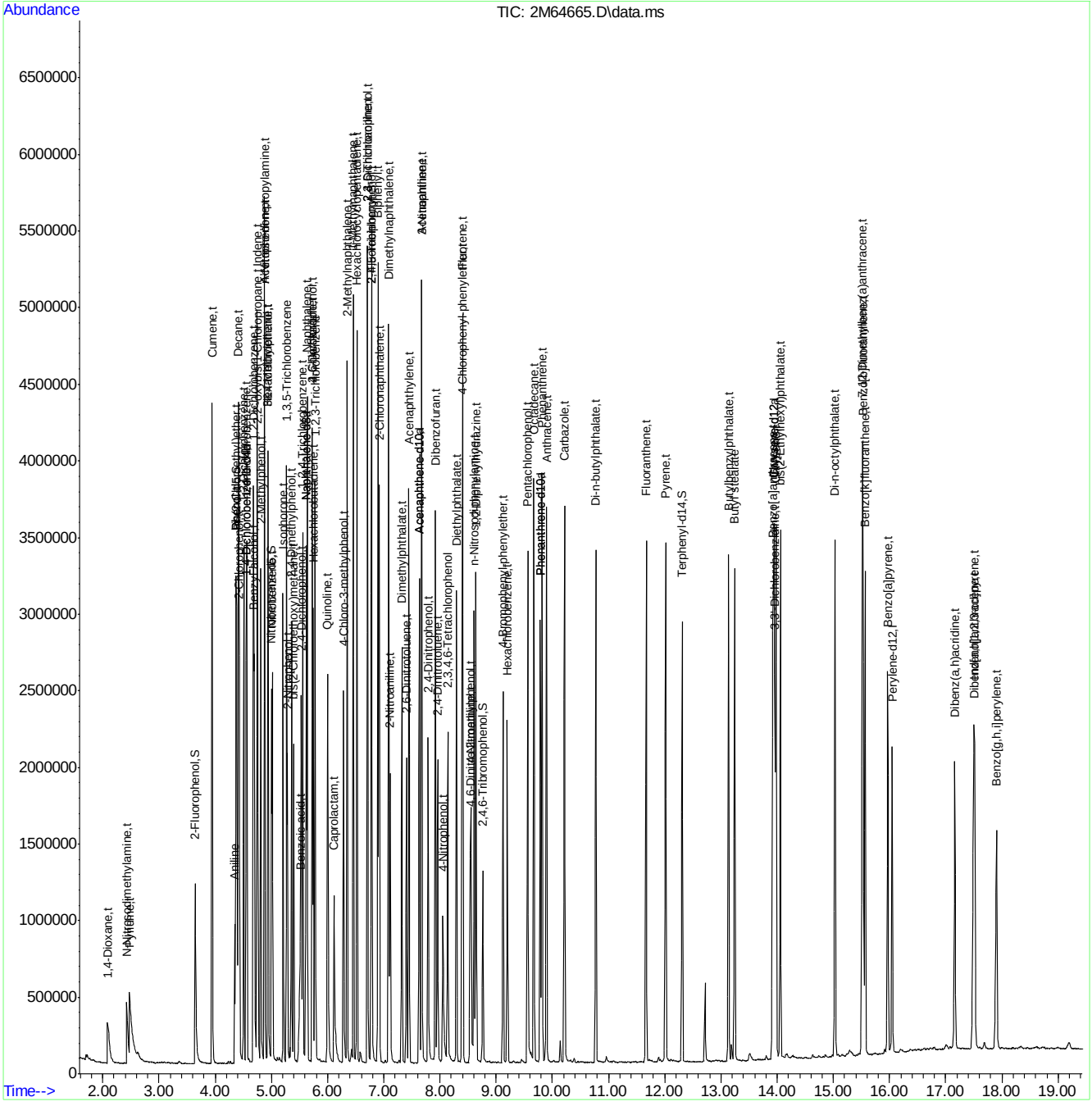
9.6.27

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64665.D
Acq On : 19 Jun 2014 10:18 am
Operator : saumilp
Sample : CC2729-50
Misc : op75642,E2M2741
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 13:19:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 12:39:50 2014
QLast Update : Thu Jun 19 13:18:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64666.D
Acq On : 19 Jun 2014 10:44 am
Operator : saumilp
Sample : CC2730-50
Misc : op75642,E2M2741
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 13:22:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:20:47 2014
QLast Update : Thu Jun 19 13:20:47 2014
Response via : Initial Calibration

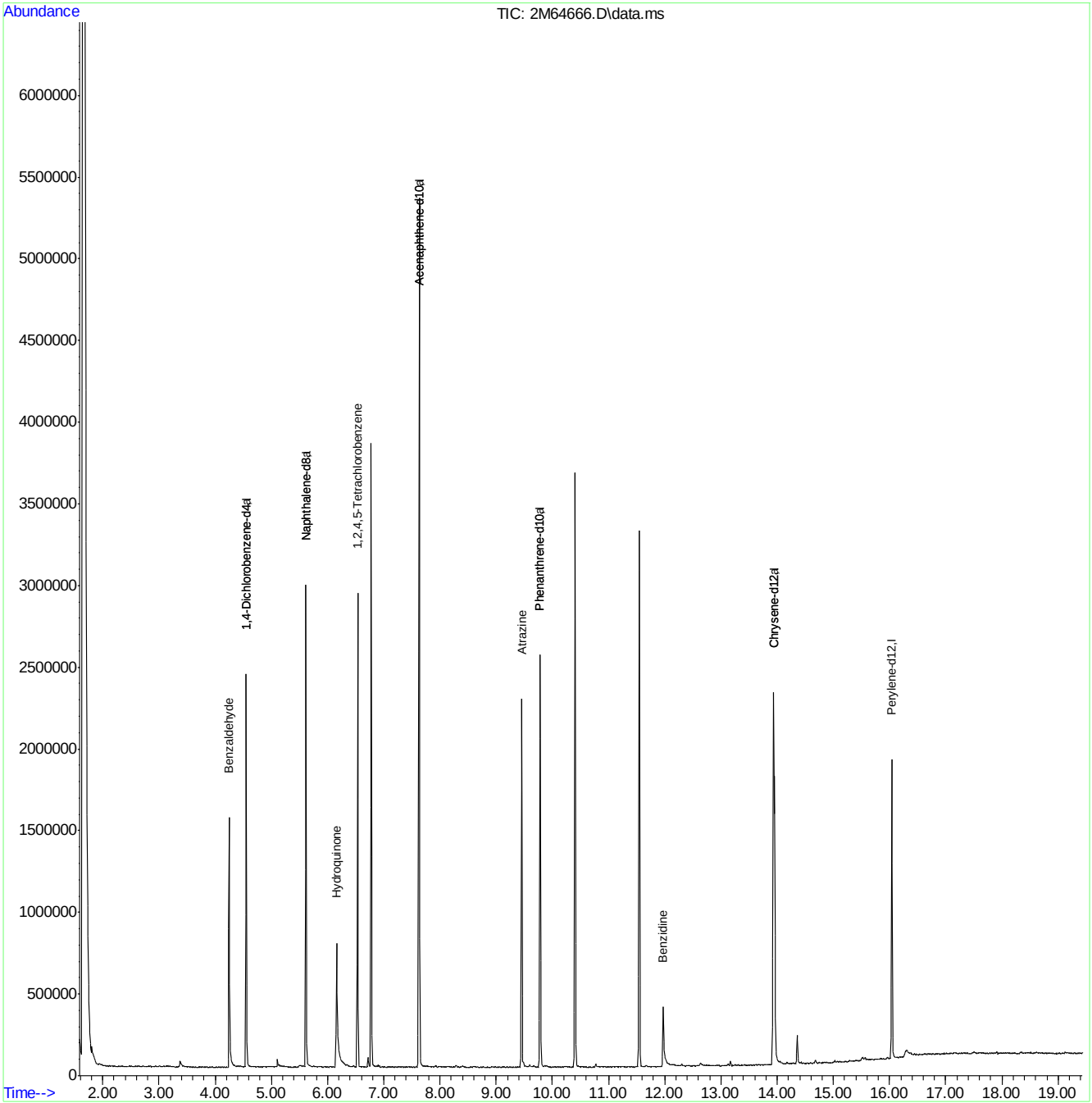
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.550	152	278211	40.00	ppb	0.00
24) Naphthalene-d8	5.614	136	1114330	40.00	ppb	0.00
47) Acenaphthene-d10	7.631	164	688873	40.00	ppb	0.00
69) Phenanthrene-d10	9.781	188	968111	40.00	ppb	0.00
83) Chrysene-d12	13.932	240	829813	40.00	ppb	0.00
92) Perylene-d12	16.044	264	655478	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.550	152	278211	40.00	ppb	0.00
104) Acenaphthene-d10a	7.631	164	688873	40.00	ppb	0.00
106) Chrysene-d12a	13.932	240	829813	40.00	ppb	0.00
108) Phenanthrene-d10a	9.781	188	968111	40.00	ppb	0.00
110) Naphthalene-d8a	5.614	136	1114330	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.245	105	304103	36.03	ppb	90
105) 1,2,4,5-Tetrachloroben...	6.534	216	386233	44.89	ppb	97
107) Benzidine	11.974	184	223743	15.89	ppb	99
109) Atrazine	9.455	215	134905	53.34	ppb	82
111) Hydroquinone	6.160	110	506147	47.26	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2741\
Data File : 2M64666.D
Acq On : 19 Jun 2014 10:44 am
Operator : saumilp
Sample : CC2730-50
Misc : op75642,E2M2741
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 13:22:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2729.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Jun 19 13:20:47 2014
QLast Update : Thu Jun 19 13:20:47 2014
Response via : Initial Calibration



M2M2729.M Fri Jun 20 08:47:21 2014 MS2M Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	346409	40.00	ppb	0.00
24) Naphthalene-d8	5.495	136	1163836	40.00	ppb	0.00
47) Acenaphthene-d10	6.869	164	657285	40.00	ppb	0.00
69) Phenanthrene-d10	8.682	188	1082749	40.00	ppb	0.00
83) Chrysene-d12	13.887	240	1107825	40.00	ppb	0.00
91) Perylene-d12	16.914	264	949439	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	346409	40.00	ppb	0.00
103) Acenaphthene-d10a	6.869	164	657285	40.00	ppb	0.00
107) Chrysene-d12a	13.887	240	1107825	40.00	ppb	0.00
109) Naphthalene-d8a	5.495	136	1163836	40.00	ppb	0.00
111) Phenanthrene-d10a	8.682	188	1082749	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	1175135	102.68	ppb	0.00
Spiked Amount 50.000			Recovery	= 205.36%		
8) Phenol-d5	4.318	99	1313392	99.24	ppb	0.00
Spiked Amount 50.000			Recovery	= 198.48%		
25) Nitrobenzene-d5	4.976	82	907720	93.74	ppb	0.00
Spiked Amount 50.000			Recovery	= 187.48%		
51) 2-Fluorobiphenyl	6.281	172	1855890	87.97	ppb	0.00
Spiked Amount 50.000			Recovery	= 175.94%		
73) 2,4,6-Tribromophenol	7.725	330	299687	103.66	ppb	0.00
Spiked Amount 50.000			Recovery	= 207.32%		
85) Terphenyl-d14	11.688	244	2108062	96.42	ppb	0.00
Spiked Amount 50.000			Recovery	= 192.84%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery	= 0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery	= 0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.066	88	561112	102.46	ppb	100
3) Pyridine	2.398	79	1391249	102.80	ppb	100
4) N-Nitrosodimethylamine	2.371	42	498370	99.61	ppb	100
6) Indene	4.762	116	1800084	89.98	ppb	100
7) Cumene	3.976	105	2923687	96.35	ppb	100
9) Phenol	4.329	94	1384468	92.50	ppb	100
10) Aniline	4.329	93	1165057	79.60	ppb	100
11) bis(2-Chloroethyl)ether	4.382	93	886764	95.87	ppb	100
12) 2-Chlorophenol	4.419	128	1128040	89.05	ppb	100
13) Decane	4.462	43	753243	86.93	ppb	100
14) 1,3-Dichlorobenzene	4.532	146	1283591	91.74	ppb	100
15) 1,4-Dichlorobenzene	4.585	146	1277686	90.45	ppb	100
16) Benzyl alcohol	4.682	108	650835	95.59	ppb	100
17) 1,2-Dichlorobenzene	4.698	146	1143569	86.94	ppb	100
18) Acetophenone	4.869	105	1397888	88.90	ppb	100
19) 2-Methylphenol	4.767	108	818465	89.16	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.772	45	781607	84.48	ppb	100
21) 3&4-Methylphenol	4.874	108	852850	90.45	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.874	70	530177	88.28	ppb	100
23) Hexachloroethane	4.944	201	423573	92.84	ppb	100
26) Nitrobenzene	4.992	77	915888	89.55	ppb	100
27) Quinoline	5.767	129	2247370	98.73	ppb	100
28) Isophorone	5.168	82	1532720	91.24	ppb	100
29) 2-Nitrophenol	5.222	139	591428	99.87	ppb	100
30) 2,4-Dimethylphenol	5.254	107	919603	113.77	ppb	100
31) Benzoic acid	5.372	105	771456m	98.87	ppb	
32) bis(2-Chloroethoxy)met...	5.318	93	945563	91.48	ppb	100
33) 2,4-Dichlorophenol	5.398	162	876809	96.80	ppb	100
34) 2,6-Dichlorophenol	5.559	162	834859	97.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.232	180	1131810	92.58	ppb	100
36) 1,2,4-Trichlorobenzene	5.452	180	945660	91.61	ppb	100
37) 1,2,3-Trichlorobenzene	5.612	180	1011109	90.97	ppb	100
38) Naphthalene	5.511	128	2635174	88.00	ppb	100
39) 4-Chloroaniline	5.553	127	1088212	88.84	ppb	100
40) 2,3-Dichloroaniline	6.217	161	1156417	90.12	ppb	100
41) Caprolactam	5.832	113	340397	98.04	ppb	100
42) Hexachlorobutadiene	5.602	225	498375	90.53	ppb	100
43) 4-Chloro-3-methylphenol	5.906	107	839166	93.96	ppb	100
44) 2-Methylnaphthalene	6.003	141	1677260	93.47	ppb	100
45) 1-Methylnaphthalene	6.078	141	1834533	89.44	ppb	100
46) Dimethylnaphthalene	6.495	156	1849842	91.24	ppb	100
48) Hexachlorocyclopentadiene	6.126	237	1190347	200.00	ppb	100
49) 2,4,6-Trichlorophenol	6.222	196	588203	94.23	ppb	100
50) 2,4,5-Trichlorophenol	6.259	196	643716	93.37	ppb	100
52) 2-Chloronaphthalene	6.382	162	1713514	87.92	ppb	100
53) Biphenyl	6.366	154	2537501	90.38	ppb	100
54) 2-Nitroaniline	6.468	65	470434	98.97	ppb	100
55) Dimethylphthalate	6.618	163	1944259	87.93	ppb	100
56) Acenaphthylene	6.735	152	2883131	91.98	ppb	100
57) 2,6-Dinitrotoluene	6.671	165	460615	106.51	ppb	100
58) 3-Nitroaniline	6.832	138	562676	101.41	ppb	100
59) Acenaphthene	6.901	153	1760101	90.38	ppb	100
60) 2,4-Dinitrophenol	6.928	184	569842	200.00	ppb	100
61) 4-Nitrophenol	6.998	109	277495	100.00	ppb	100
62) Dibenzofuran	7.072	168	2427776	87.92	ppb	100
63) 2,4-Dinitrotoluene	7.056	165	634123	113.84	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.201	232	525125	106.64	ppb	100
65) Diethylphthalate	7.318	149	2008963	92.79	ppb	100
66) Fluorene	7.441	166	1977017	88.84	ppb	100
67) 4-Chlorophenyl-phenyle...	7.441	204	905862	94.20	ppb	100
68) 4-Nitroaniline	7.479	138	558297	101.79	ppb	100
70) 4,6-Dinitro-2-methylph...	7.506	198	362997	100.00	ppb	100
71) n-Nitrosodiphenylamine	7.581	169	1364190	92.70	ppb	100
72) 1,2-Diphenylhydrazine	7.629	77	1735442	91.81	ppb	100
74) 4-Bromophenyl-phenylether	8.051	248	566444	95.57	ppb	100
75) Hexachlorobenzene	8.137	284	626311	95.90	ppb	100
76) Pentachlorophenol	8.420	266	936972	200.00	ppb	100
77) Phenanthrene	8.720	178	2860781	91.12	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

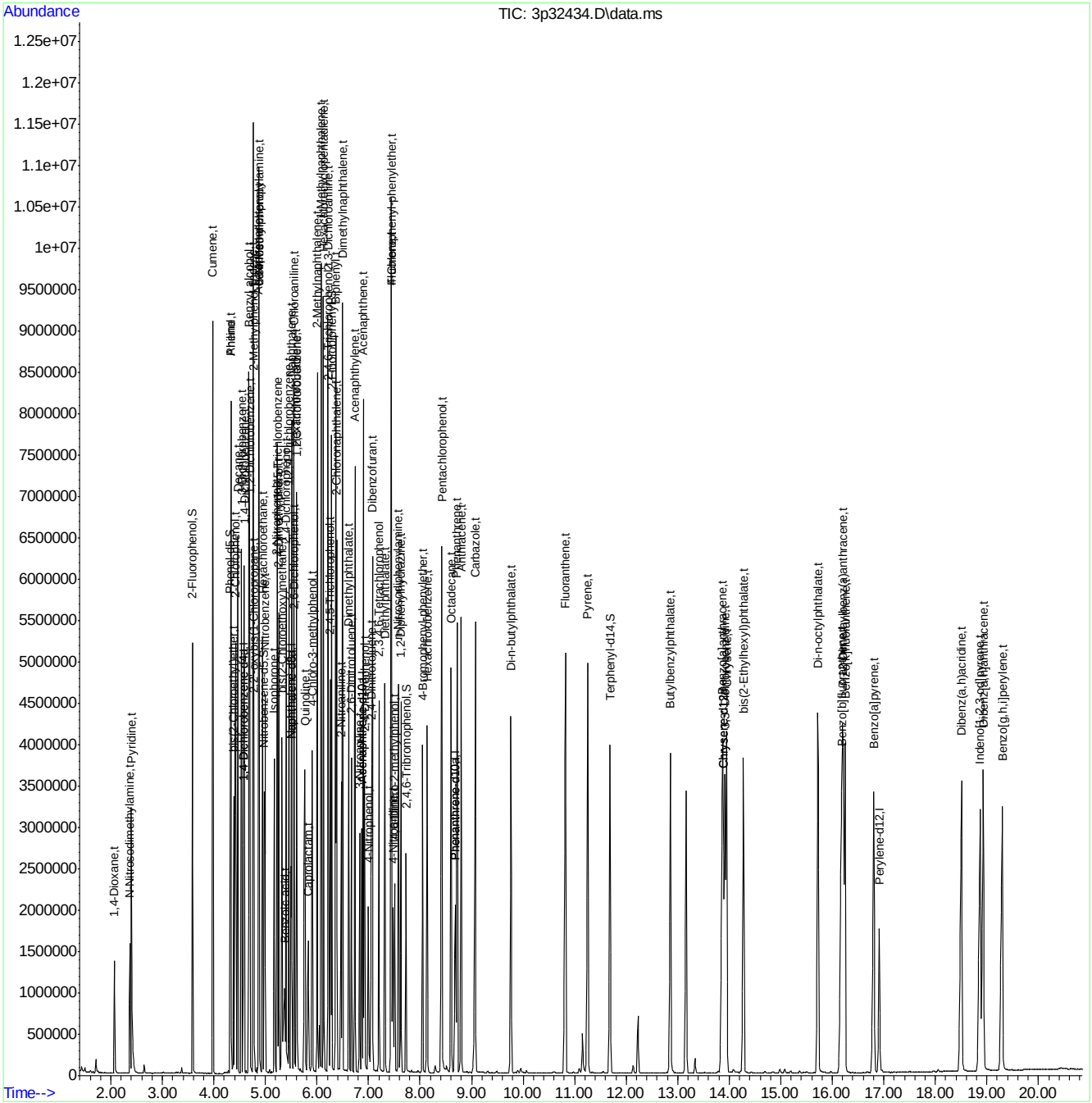
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2839636	95.01	ppb	100
79) Carbazole	9.073	167	3282860	95.58	ppb	100
80) Di-n-butylphthalate	9.763	149	3728424	97.18	ppb	100
81) Fluoranthene	10.822	202	3365201	97.82	ppb	100
82) Octadecane	8.602	57	1168786	94.69	ppb	100
84) Pyrene	11.255	202	3480010	94.51	ppb	100
86) Butylbenzylphthalate	12.860	149	1775932	98.92	ppb	100
87) Benzo[a]anthracene	13.871	228	2969192	91.73	ppb	100
88) 3,3'-Dichlorobenzidine	13.919	252	1119124	99.50	ppb	100
89) Chrysene	13.951	228	2538941	92.52	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.277	149	2251845	100.00	ppb	100
92) Di-n-octylphthalate	15.721	149	4234785	100.00	ppb	100
93) Benzo[b]fluoranthene	16.181	252	3273636	107.23	ppb	100
94) Benzo[k]fluoranthene	16.251	252	2558394	95.17	ppb	100
95) Benzo[a]pyrene	16.812	252	2648567	100.07	ppb	100
96) Indeno[1,2,3-cd]pyrene	18.871	276	2755150	83.94	ppb	98
97) Dibenz(a,h)acridine	18.508	279	2918815	107.00	ppb	100
98) Dibenz[a,h]anthracene	18.936	278	2704846	103.96	ppb	100
99) 7,12-Dimethylbenz(a)an...	16.208	256	1576471	100.00	ppb	100
100) Benzo[g,h,i]perylene	19.299	276	2635809	100.22	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

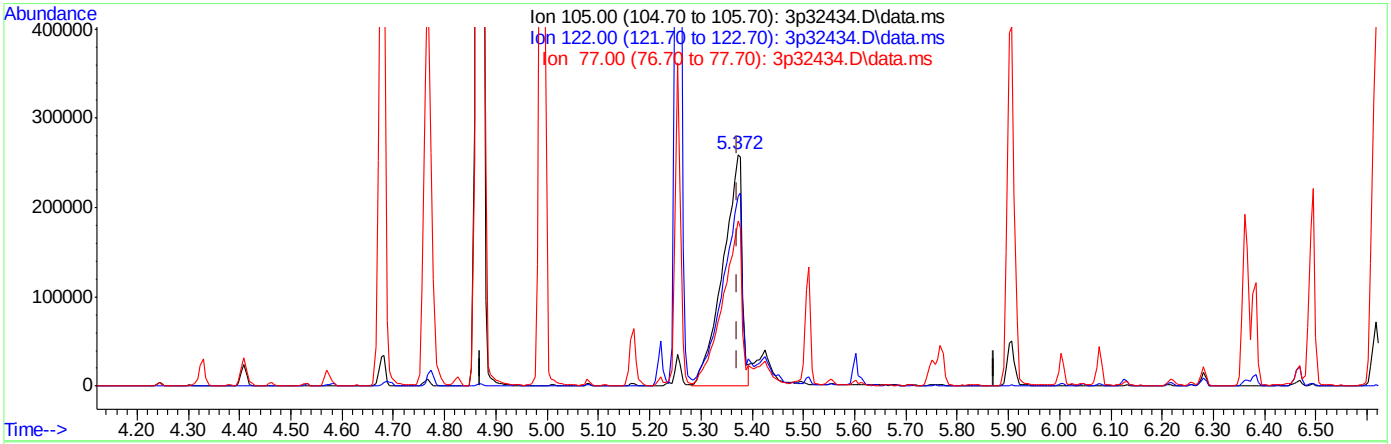
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32434.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:20	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

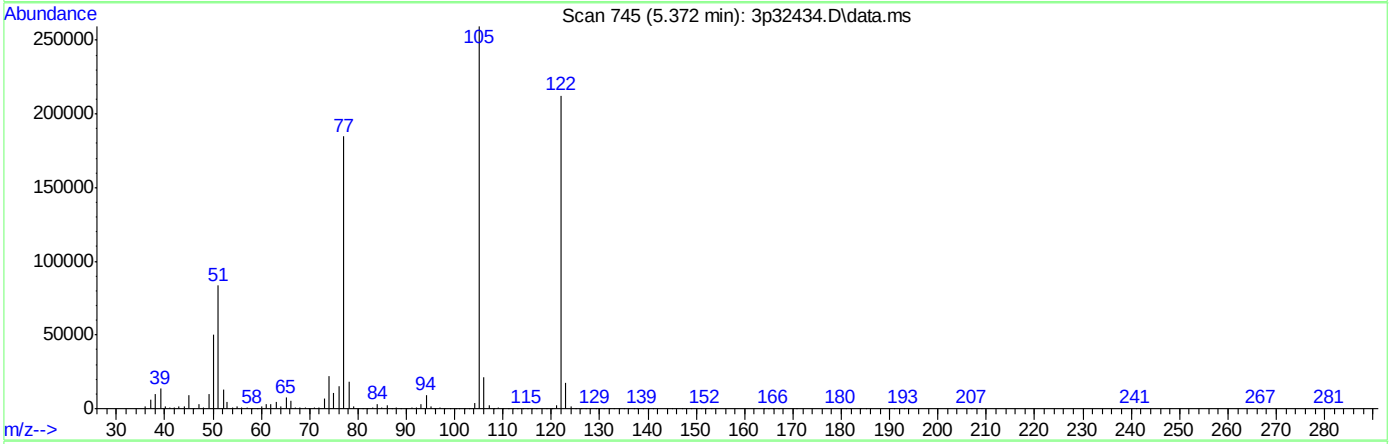
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:29:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:29:28 2014
Response via : Initial Calibration





TIC: 3p32434.D\data.ms

(31) Benzoic acid (t)

5.372min (0.000) 82.49ppb

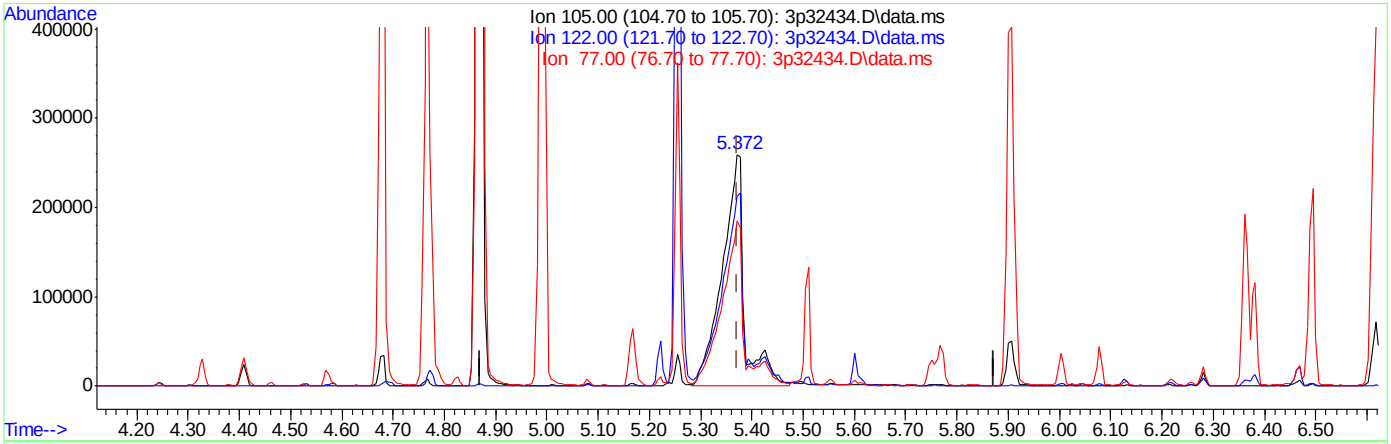
response 680622

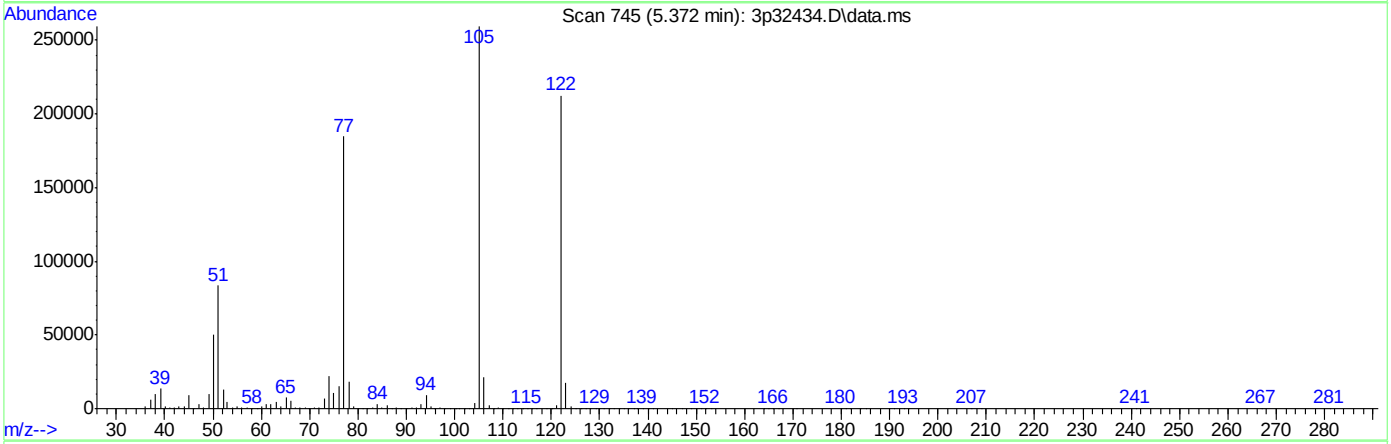
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	78.45
77.00	71.10	69.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration





TIC: 3p32434.D\data.ms

(31) Benzoic acid (t)

5.372min (-0.000) 98.87ppb m

response 771456

Ion	Exp%	Act%
105.00	100	100
122.00	81.90	81.92
77.00	71.10	71.14
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.569	152	608677	40.00	ppb		0.00
24) Naphthalene-d8	5.489	136	2086607	40.00	ppb		0.00
47) Acenaphthene-d10	6.864	164	1168526	40.00	ppb		0.00
69) Phenanthrene-d10	8.672	188	1893276	40.00	ppb		-0.01
83) Chrysene-d12	13.871	240	1829627	40.00	ppb		-0.02
91) Perylene-d12	16.909	264	1645294	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	608677	40.00	ppb		0.00
103) Acenaphthene-d10a	6.864	164	1168526	40.00	ppb		0.00
107) Chrysene-d12a	13.871	240	1829627	40.00	ppb		-0.02
109) Naphthalene-d8a	5.489	136	2086607	40.00	ppb		0.00
111) Phenanthrene-d10a	8.672	188	1893276	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.585	112	19571	0.95	ppb		0.00
Spiked Amount 50.000			Recovery =	1.90%			
8) Phenol-d5	4.307	99	23433	1.02	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.04%			
25) Nitrobenzene-d5	4.970	82	18446	1.13	ppb		0.00
Spiked Amount 50.000			Recovery =	2.26%			
51) 2-Fluorobiphenyl	6.276	172	42014	1.27	ppb		0.00
Spiked Amount 50.000			Recovery =	2.54%			
73) 2,4,6-Tribromophenol	7.714	330	4870	0.93	ppb		-0.01
Spiked Amount 50.000			Recovery =	1.86%			
85) Terphenyl-d14	11.672	244	37400	1.07	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.14%			
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.088	88	9385	0.95	ppb		96
3) Pyridine	2.435	79	23114	0.95	ppb		93
4) N-Nitrosodimethylamine	2.387	42	8826	1.01	ppb		96
6) Indene	4.757	116	38676	1.22	ppb		98
7) Cumene	3.981	105	55263	1.08	ppb		99
9) Phenol	4.318	94	28271	1.16	ppb		84
10) Aniline	4.323	93	30965	1.51	ppb	#	60
11) bis(2-Chloroethyl)ether	4.371	93	16924	1.09	ppb		95
12) 2-Chlorophenol	4.414	128	24693	1.25	ppb		97
13) Decane	4.457	43	17214	1.30	ppb		90
14) 1,3-Dichlorobenzene	4.527	146	26613	1.18	ppb		92
15) 1,4-Dichlorobenzene	4.580	146	27192	1.21	ppb		93
16) Benzyl alcohol	4.671	108	12491	1.09	ppb		94
17) 1,2-Dichlorobenzene	4.692	146	26133	1.30	ppb		95
18) Acetophenone	4.858	105	30694	1.25	ppb		100
19) 2-Methylphenol	4.757	108	17878	1.24	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.767	45	18779	1.37	ppb		89
21) 3&4-Methylphenol	4.864	108	18151	1.21	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.864	70	11789	1.27	ppb		97
23) Hexachloroethane	4.938	201	8591	1.15	ppb		81
26) Nitrobenzene	4.981	77	20254	1.23	ppb		92
27) Quinoline	5.741	129	41329	1.03	ppb		98
28) Isophorone	5.152	82	32756	1.19	ppb		93
29) 2-Nitrophenol	5.216	139	10632	1.00	ppb		99
30) 2,4-Dimethylphenol	5.249	107	12495	0.76	ppb		96
31) Benzoic acid	5.297	105	7116	0.51	ppb		87
32) bis(2-Chloroethoxy)met...	5.313	93	20109	1.19	ppb		98
33) 2,4-Dichlorophenol	5.393	162	16761	1.07	ppb		94
34) 2,6-Dichlorophenol	5.548	162	15895	1.06	ppb		94
35) 1,3,5-Trichlorobenzene	5.227	180	23546	1.16	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	20059	1.18	ppb		97
37) 1,2,3-Trichlorobenzene	5.607	180	21725	1.20	ppb		97
38) Naphthalene	5.505	128	60134	1.27	ppb		98
39) 4-Chloroaniline	5.543	127	24411	1.25	ppb		98
40) 2,3-Dichloroaniline	6.211	161	25280	1.22	ppb		99
41) Caprolactam	5.767	113	6347	1.04	ppb		97
42) Hexachlorobutadiene	5.602	225	10805	1.21	ppb		92
43) 4-Chloro-3-methylphenol	5.890	107	16980	1.13	ppb	#	96
44) 2-Methylnaphthalene	5.997	141	34270	1.14	ppb		100
45) 1-Methylnaphthalene	6.072	141	40660	1.24	ppb		97
46) Dimethylnaphthalene	6.484	156	39535	1.19	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	15133	1.43	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	11738	1.12	ppb		96
50) 2,4,5-Trichlorophenol	6.249	196	13070	1.14	ppb		99
52) 2-Chloronaphthalene	6.372	162	38835	1.27	ppb		99
53) Biphenyl	6.356	154	54718	1.21	ppb		98
54) 2-Nitroaniline	6.452	65	8538	1.02	ppb		89
55) Dimethylphthalate	6.607	163	44055	1.27	ppb		98
56) Acenaphthylene	6.730	152	60191	1.17	ppb		98
57) 2,6-Dinitrotoluene	6.655	165	7188	0.88	ppb		84
58) 3-Nitroaniline	6.816	138	9725	0.97	ppb		92
59) Acenaphthene	6.891	153	37955	1.21	ppb		98
60) 2,4-Dinitrophenol	6.917	184	2120	0.42	ppb	#	66
61) 4-Nitrophenol	7.003	109	4146	0.84	ppb	#	46
62) Dibenzofuran	7.062	168	55025	1.27	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	8532	0.76	ppb		97
64) 2,3,4,6-Tetrachlorophenol	7.196	232	8173	0.88	ppb		99
65) Diethylphthalate	7.302	149	41266	1.16	ppb		100
66) Fluorene	7.431	166	43975	1.25	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	18088	1.12	ppb		91
68) 4-Nitroaniline	7.452	138	9577	0.96	ppb		96
70) 4,6-Dinitro-2-methylph...	7.490	198	1887	0.30	ppb		92
71) n-Nitrosodiphenylamine	7.565	169	27611	1.16	ppb		95
72) 1,2-Diphenylhydrazine	7.618	77	35761	1.18	ppb		98
74) 4-Bromophenyl-phenylether	8.041	248	10823	1.09	ppb		96
75) Hexachlorobenzene	8.126	284	11887	1.09	ppb		93
76) Pentachlorophenol	8.410	266	8935	1.09	ppb		89
77) Phenanthrene	8.704	178	59779	1.20	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.779	178	54865	1.10	ppb	98
79) Carbazole	9.051	167	62715	1.09	ppb	99
80) Di-n-butylphthalate	9.752	149	68974	1.06	ppb	99
81) Fluoranthene	10.800	202	61470	1.04	ppb	98
82) Octadecane	8.591	57	22729	1.11	ppb	97
84) Pyrene	11.234	202	64151	1.12	ppb	97
86) Butylbenzylphthalate	12.844	149	29970	1.02	ppb	94
87) Benzo[a]anthracene	13.849	228	57875	1.18	ppb	97
88) 3,3'-Dichlorobenzidine	13.897	252	18670	1.01	ppb	98
89) Chrysene	13.919	228	48716	1.16	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.266	149	36344	0.98	ppb	97
92) Di-n-octylphthalate	15.705	149	60181	0.82	ppb	98
93) Benzo[b]fluoranthene	16.138	252	48915m	0.86	ppb	
94) Benzo[k]fluoranthene	16.197	252	48834	1.10	ppb	97
95) Benzo[a]pyrene	16.770	252	45833	1.00	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.829	276	42267	0.89	ppb	93
97) Dibenz(a,h)acridine	18.470	279	43960	0.87	ppb	97
98) Dibenz[a,h]anthracene	18.893	278	43305	0.92	ppb	92
99) 7,12-Dimethylbenz(a)an...	16.165	256	5241	0.19	ppb	97
100) Benzo[g,h,i]perylene	19.251	276	45478	1.00	ppb	95

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

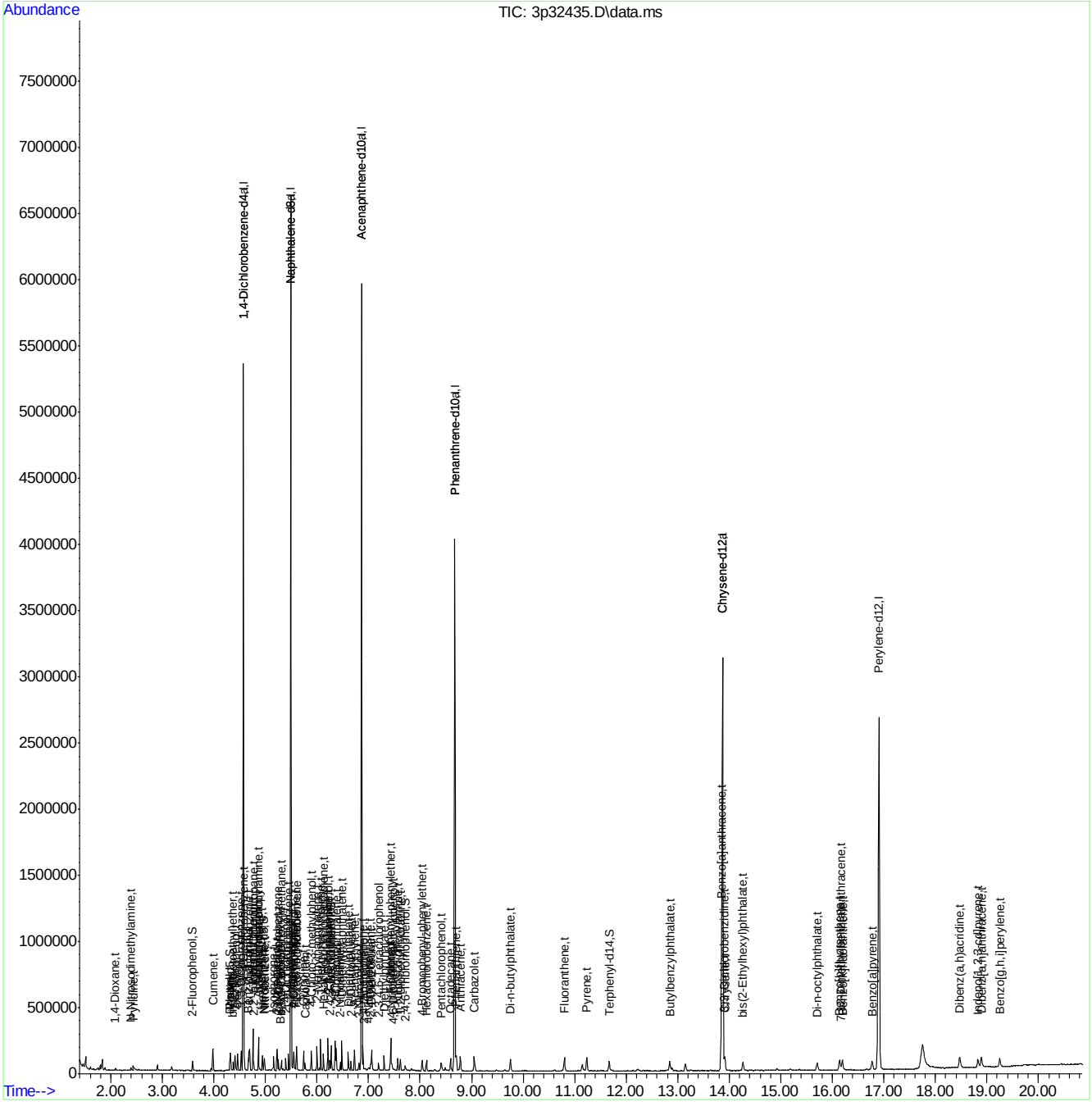
9.6.30

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration



Manual Integration Approval Summary

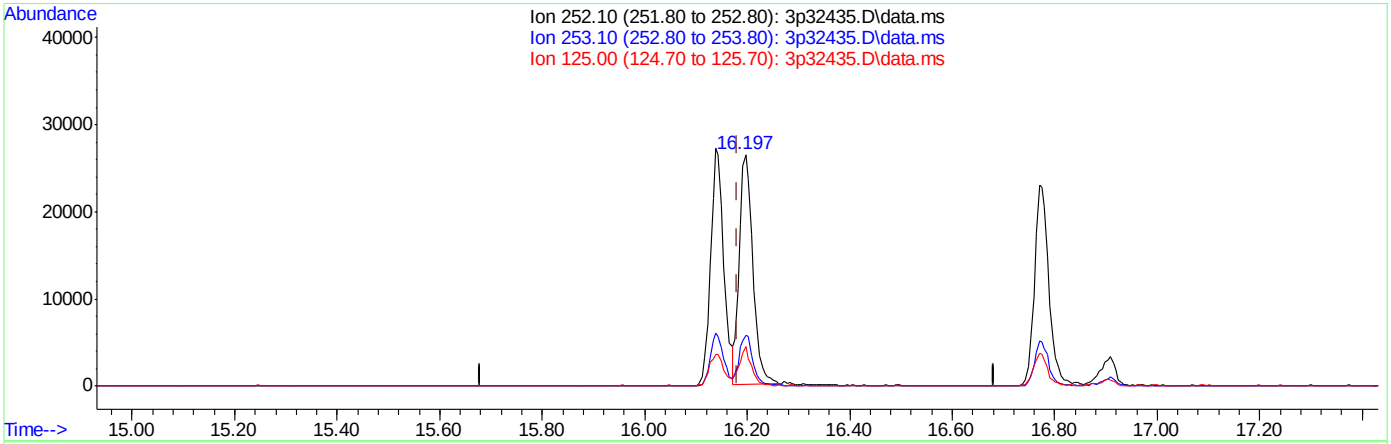
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32435.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:45	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

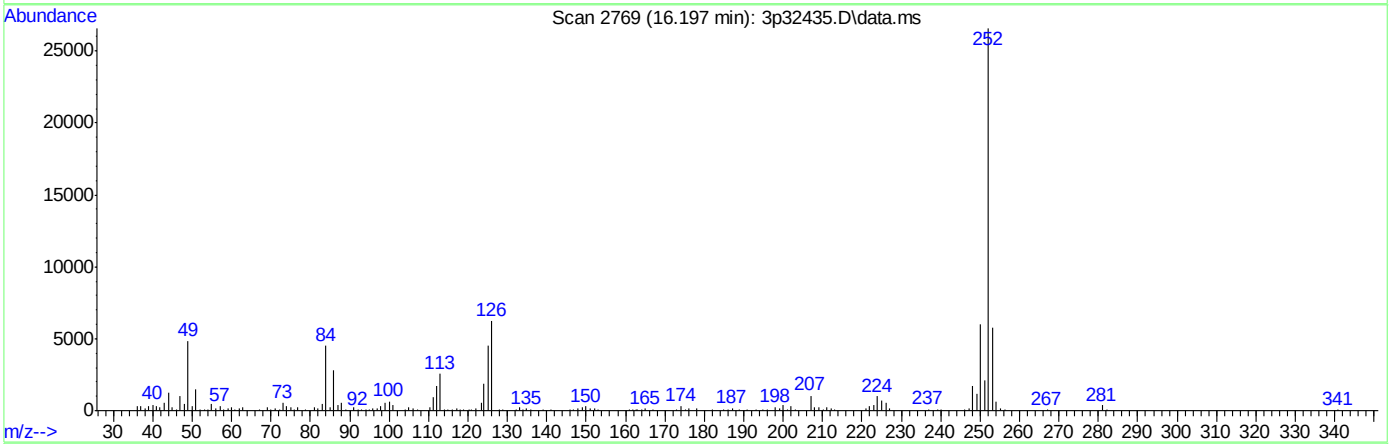
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		16.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:51:53 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration





TIC: 3p32435.D\data.ms

(93) Benzo[b]fluoranthene (t)

16.197min (+0.016) 0.86ppb

response 48834

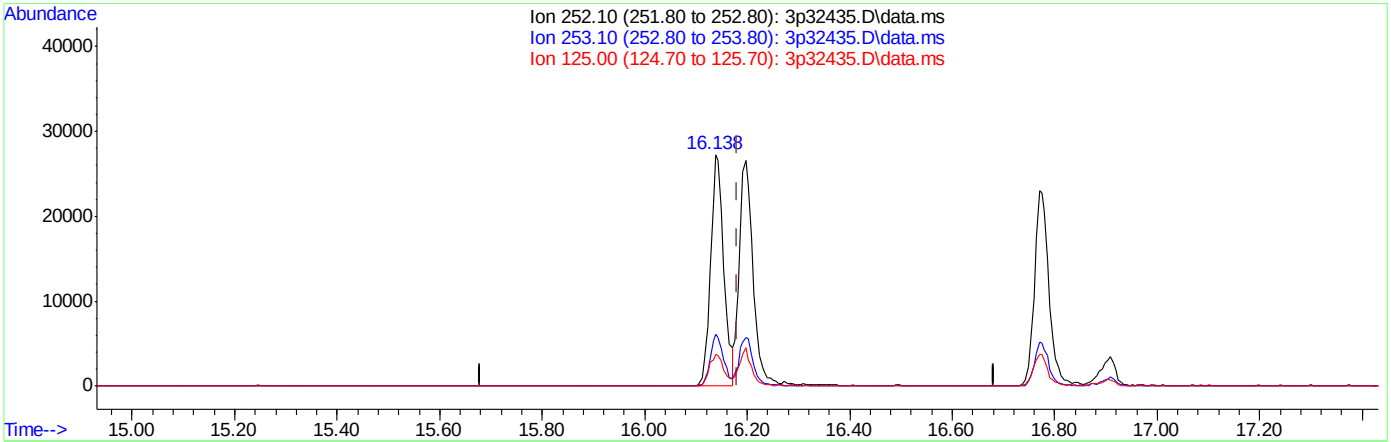
Ion	Exp%	Act%
252.10	100	100
253.10	21.30	21.96
125.00	13.50	16.49
0.00	0.00	0.00

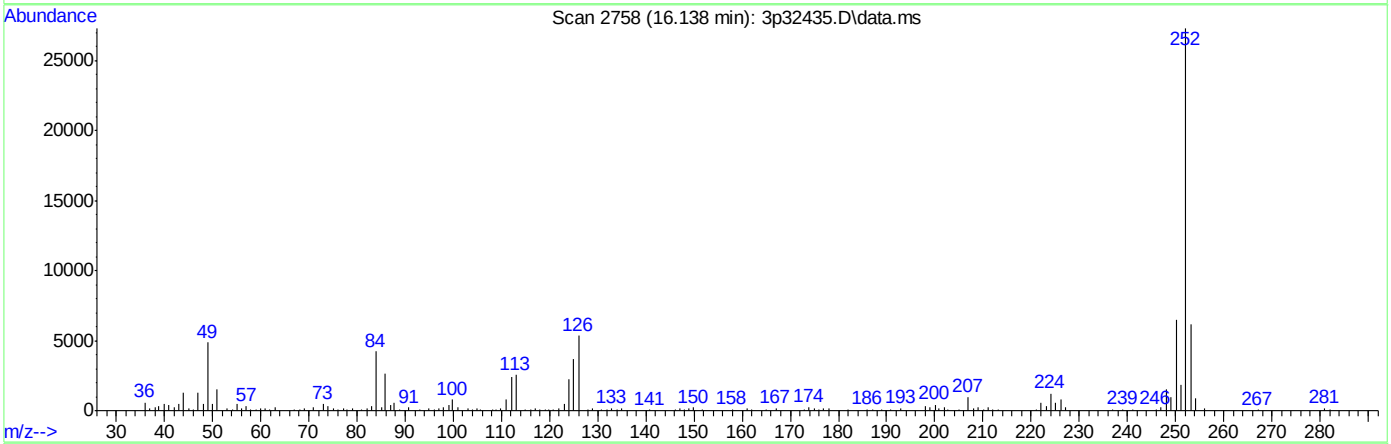
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration





TIC: 3p32435.D\data.ms

(93) Benzo[b]fluoranthene (t)

16.138min (-0.043) 0.86ppb m

response 48915

Ion	Exp%	Act%
252.10	100	100
253.10	21.30	22.55
125.00	13.50	13.58
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	361586	40.00	ppb	0.00
24) Naphthalene-d8	5.495	136	1201080	40.00	ppb	0.00
47) Acenaphthene-d10	6.869	164	693044	40.00	ppb	0.00
69) Phenanthrene-d10	8.677	188	1161897	40.00	ppb	0.00
83) Chrysene-d12	13.887	240	1190656	40.00	ppb	0.00
91) Perylene-d12	16.914	264	1020497	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	361586	40.00	ppb	0.00
103) Acenaphthene-d10a	6.869	164	693044	40.00	ppb	0.00
107) Chrysene-d12a	13.887	240	1190656	40.00	ppb	0.00
109) Naphthalene-d8a	5.495	136	1201080	40.00	ppb	0.00
111) Phenanthrene-d10a	8.677	188	1161897	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	1053500	88.19	ppb	0.00
Spiked Amount 50.000			Recovery = 176.38%			
8) Phenol-d5	4.313	99	1171795	84.82	ppb	0.00
Spiked Amount 50.000			Recovery = 169.64%			
25) Nitrobenzene-d5	4.976	82	774656	77.52	ppb	0.00
Spiked Amount 50.000			Recovery = 155.04%			
51) 2-Fluorobiphenyl	6.281	172	1593794	71.65	ppb	0.00
Spiked Amount 50.000			Recovery = 143.30%			
73) 2,4,6-Tribromophenol	7.725	330	259693	83.71	ppb	0.00
Spiked Amount 50.000			Recovery = 167.42%			
85) Terphenyl-d14	11.688	244	1859043	79.12	ppb	0.00
Spiked Amount 50.000			Recovery = 158.24%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.071	88	514123	89.94	ppb	99
3) Pyridine	2.403	79	1259625	89.17	ppb	100
4) N-Nitrosodimethylamine	2.371	42	444849	85.18	ppb	99
6) Indene	4.762	116	1579968	75.66	ppb	99
7) Cumene	3.976	105	2703942	85.37	ppb	99
9) Phenol	4.323	94	1233029	78.92	ppb	100
10) Aniline	4.329	93	1067527	69.87	ppb	73
11) bis(2-Chloroethyl)ether	4.382	93	793209	82.16	ppb	99
12) 2-Chlorophenol	4.420	128	1022073	77.30	ppb	99
13) Decane	4.462	43	667690	73.82	ppb	99
14) 1,3-Dichlorobenzene	4.532	146	1128624	77.28	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	1105181	74.95	ppb	98
16) Benzyl alcohol	4.676	108	551286	77.57	ppb	92
17) 1,2-Dichlorobenzene	4.698	146	1005503	73.23	ppb	99
18) Acetophenone	4.869	105	1224268	74.59	ppb	96
19) 2-Methylphenol	4.762	108	719594	75.10	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.773	45	692338	71.69	ppb	95
21) 3&4-Methylphenol	4.874	108	750955	76.30	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.874	70	449090	71.64	ppb		97
23) Hexachloroethane	4.944	201	364016	76.44	ppb		97
26) Nitrobenzene	4.992	77	796424	75.45	ppb		96
27) Quinoline	5.746	129	1916629	81.59	ppb		100
28) Isophorone	5.163	82	1333935	76.94	ppb		98
29) 2-Nitrophenol	5.222	139	500288	81.86	ppb		80
30) 2,4-Dimethylphenol	5.254	107	790033	94.71	ppb		96
31) Benzoic acid	5.366	105	662300m	109.86	ppb		
32) bis(2-Chloroethoxy)met...	5.318	93	824405	77.29	ppb		100
33) 2,4-Dichlorophenol	5.393	162	763479	81.67	ppb		95
34) 2,6-Dichlorophenol	5.553	162	713766	80.36	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	972194	77.06	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	816976	76.69	ppb		100
37) 1,2,3-Trichlorobenzene	5.612	180	879476	76.68	ppb		100
38) Naphthalene	5.511	128	2333458	75.51	ppb		99
39) 4-Chloroaniline	5.548	127	955177	75.56	ppb		98
40) 2,3-Dichloroaniline	6.217	161	996456	75.24	ppb		99
41) Caprolactam	5.826	113	294513	82.19	ppb		96
42) Hexachlorobutadiene	5.602	225	433393	76.28	ppb		100
43) 4-Chloro-3-methylphenol	5.901	107	713150	77.37	ppb		98
44) 2-Methylnaphthalene	6.003	141	1436515	77.57	ppb		99
45) 1-Methylnaphthalene	6.078	141	1574582	74.38	ppb		99
46) Dimethylnaphthalene	6.495	156	1601171	76.52	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	981138	182.31	ppb		99
49) 2,4,6-Trichlorophenol	6.222	196	504847	76.70	ppb		98
50) 2,4,5-Trichlorophenol	6.254	196	558471	76.82	ppb		99
52) 2-Chloronaphthalene	6.382	162	1496746	72.83	ppb		99
53) Biphenyl	6.361	154	2201029	74.35	ppb		100
54) 2-Nitroaniline	6.463	65	396715	79.15	ppb		92
55) Dimethylphthalate	6.618	163	1675654	71.87	ppb		99
56) Acenaphthylene	6.736	152	2504674	75.79	ppb		100
57) 2,6-Dinitrotoluene	6.671	165	397547	87.18	ppb		96
58) 3-Nitroaniline	6.826	138	489718	83.71	ppb		98
59) Acenaphthene	6.901	153	1523016	74.17	ppb		96
60) 2,4-Dinitrophenol	6.928	184	459212	252.81	ppb	#	61
61) 4-Nitrophenol	6.992	109	237214	88.10	ppb		97
62) Dibenzofuran	7.072	168	2111212	72.51	ppb		99
63) 2,4-Dinitrotoluene	7.056	165	550845	93.79	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.201	232	453602	87.36	ppb		99
65) Diethylphthalate	7.319	149	1752206	76.75	ppb		99
66) Fluorene	7.442	166	1715567	73.12	ppb		100
67) 4-Chlorophenyl-phenyle...	7.436	204	779258	76.85	ppb		95
68) 4-Nitroaniline	7.474	138	491210	84.93	ppb		99
70) 4,6-Dinitro-2-methylph...	7.506	198	305230	120.80	ppb		92
71) n-Nitrosodiphenylamine	7.581	169	1164068	73.71	ppb		100
72) 1,2-Diphenylhydrazine	7.629	77	1524581	75.16	ppb		99
74) 4-Bromophenyl-phenylether	8.051	248	488578	76.82	ppb		98
75) Hexachlorobenzene	8.137	284	548956	78.33	ppb		95
76) Pentachlorophenol	8.415	266	799638	205.85	ppb		99
77) Phenanthrene	8.720	178	2492313	73.97	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

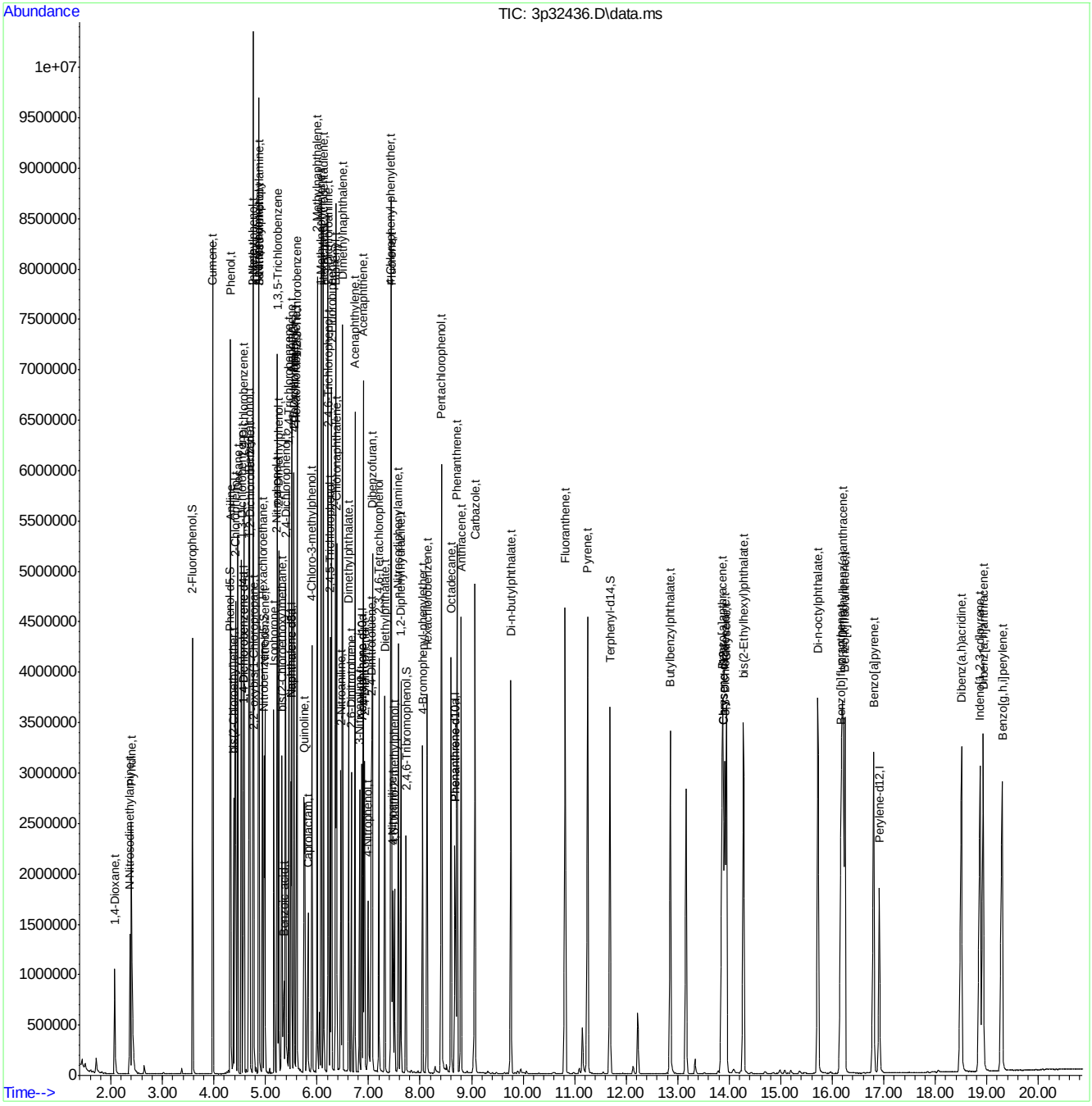
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2468043	76.95	ppb	99
79) Carbazole	9.068	167	2884263	78.25	ppb	100
80) Di-n-butylphthalate	9.763	149	3196796	77.65	ppb	100
81) Fluoranthene	10.817	202	2965336	80.32	ppb	99
82) Octadecane	8.602	57	990817	74.80	ppb	100
84) Pyrene	11.255	202	3070793	77.59	ppb	100
86) Butylbenzylphthalate	12.860	149	1527719	79.18	ppb	100
87) Benzo[a]anthracene	13.865	228	2610179	75.03	ppb	99
88) 3,3'-Dichlorobenzidine	13.913	252	980882	81.14	ppb	98
89) Chrysene	13.945	228	2253491	76.40	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.277	149	1989303	83.14	ppb	99
92) Di-n-octylphthalate	15.721	149	3659911	88.36	ppb	100
93) Benzo[b]fluoranthene	16.176	252	2720961	83.05	ppb	99
94) Benzo[k]fluoranthene	16.245	252	2413465	83.53	ppb	99
95) Benzo[a]pyrene	16.807	252	2328746	81.86	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.866	276	2406247	86.20	ppb	99
97) Dibenz(a,h)acridine	18.508	279	2592804	88.43	ppb	100
98) Dibenz[a,h]anthracene	18.930	278	2304680	82.41	ppb	99
99) 7,12-Dimethylbenz(a)an...	16.208	256	1397039	138.35	ppb	99
100) Benzo[g,h,i]perylene	19.299	276	2328169	82.36	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration



Manual Integration Approval Summary

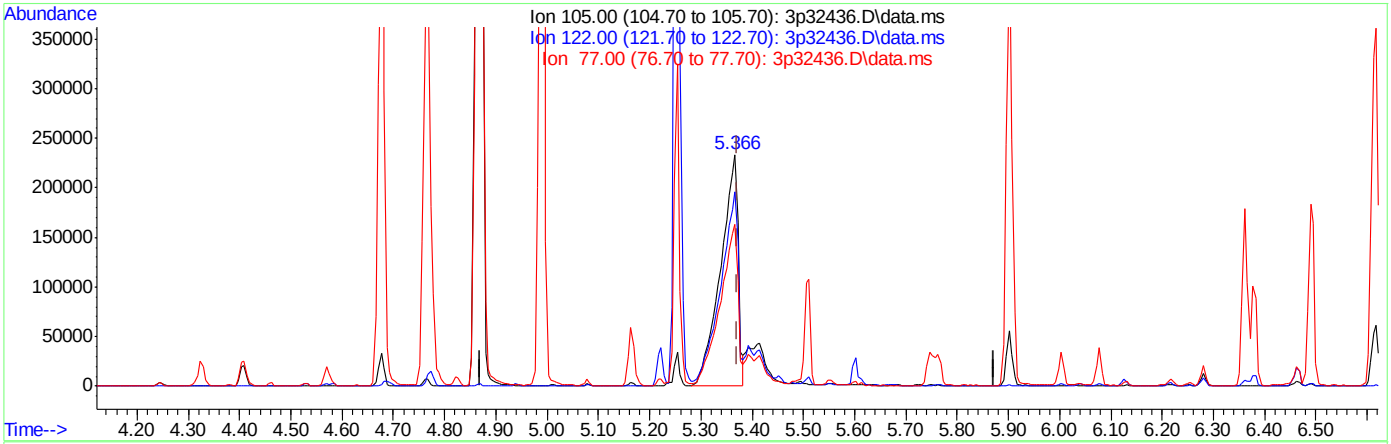
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32436.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 15:56	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

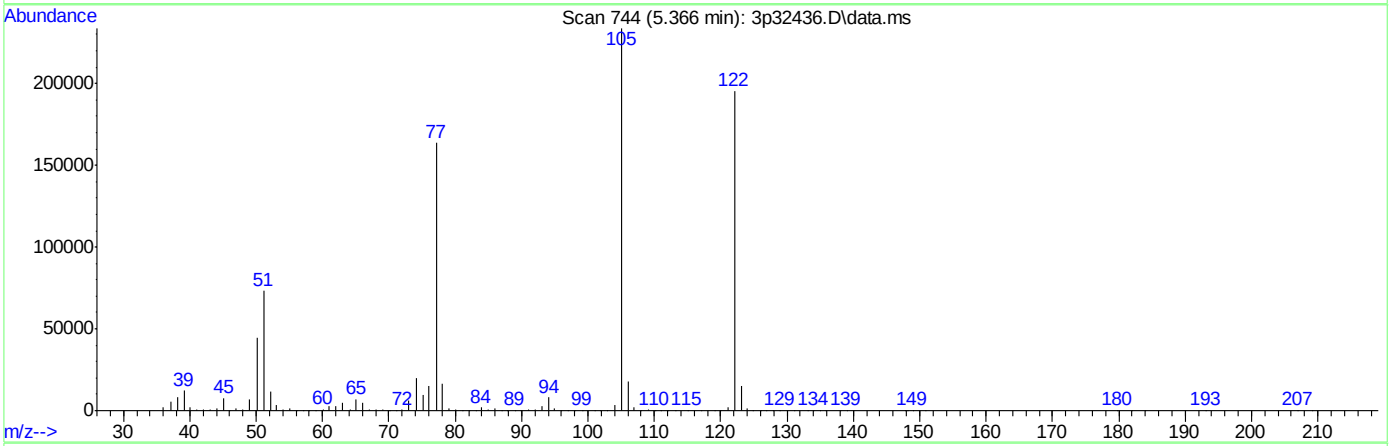
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:53:58 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration





TIC: 3p32436.D\data.ms

(31) Benzoic acid (t)

5.366min (-0.005) 91.62ppb

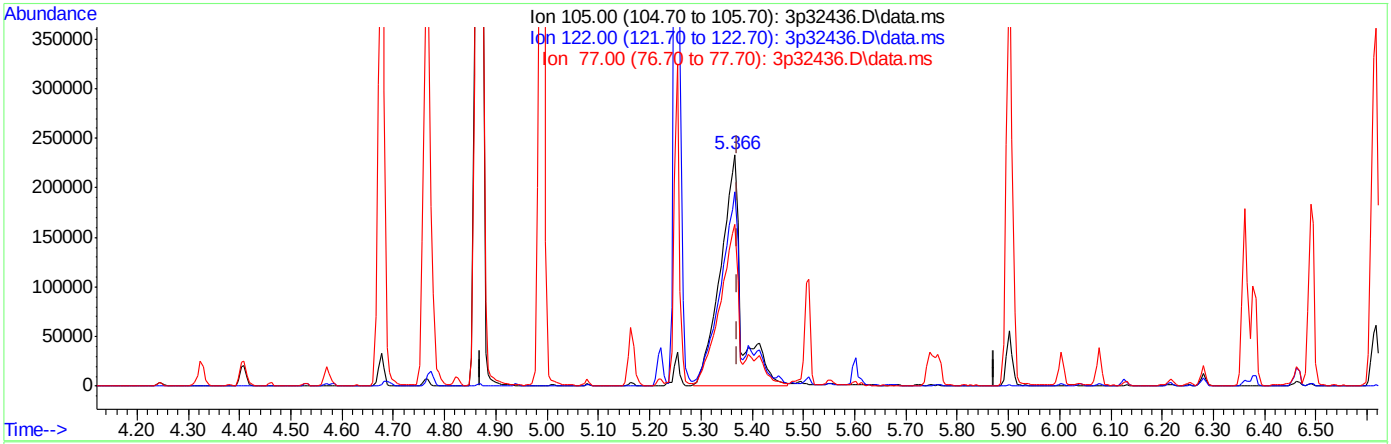
response 552349

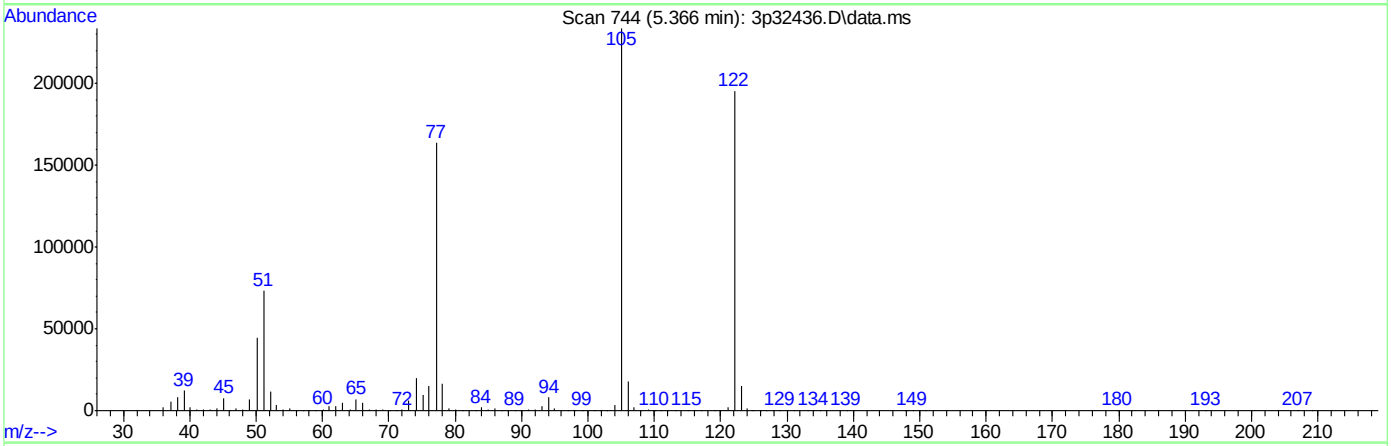
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	82.37
77.00	71.10	69.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration





TIC: 3p32436.D\data.ms

(31) Benzoic acid (t)

5.366min (-0.005) 109.86ppb m

response 662300

Ion	Exp%	Act%
105.00	100	100
122.00	81.90	83.68
77.00	71.10	70.01
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	268976	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	901751	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	512646	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	849673	40.00	ppb	-0.01
83) Chrysene-d12	13.870	240	859501	40.00	ppb	-0.02
91) Perylene-d12	16.903	264	759096	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	268976	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	512646	40.00	ppb	0.00
107) Chrysene-d12a	13.870	240	859501	40.00	ppb	-0.02
109) Naphthalene-d8a	5.489	136	901751	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	849673	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	441898	48.09	ppb	0.00
Spiked Amount 50.000			Recovery = 96.18%			
8) Phenol-d5	4.307	99	513882	49.02	ppb	-0.01
Spiked Amount 50.000			Recovery = 98.04%			
25) Nitrobenzene-d5	4.970	82	357862	48.20	ppb	0.00
Spiked Amount 50.000			Recovery = 96.40%			
51) 2-Fluorobiphenyl	6.275	172	752828	47.40	ppb	0.00
Spiked Amount 50.000			Recovery = 94.80%			
73) 2,4,6-Tribromophenol	7.720	330	107321	46.59	ppb	0.00
Spiked Amount 50.000			Recovery = 93.18%			
85) Terphenyl-d14	11.678	244	816239	48.30	ppb	-0.01
Spiked Amount 50.000			Recovery = 96.60%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.077	88	175056	39.53	ppb	97
3) Pyridine	2.408	79	455790	41.78	ppb	99
4) N-Nitrosodimethylamine	2.371	42	172018	43.34	ppb	100
6) Indene	4.756	116	667310	43.75	ppb	99
7) Cumene	3.981	105	1062681	44.12	ppb	98
9) Phenol	4.318	94	555948	48.05	ppb	85
10) Aniline	4.328	93	548536	50.39	ppb #	52
11) bis(2-Chloroethyl)ether	4.377	93	350649	48.39	ppb	98
12) 2-Chlorophenol	4.419	128	461990	47.51	ppb	96
13) Decane	4.462	43	287479	43.86	ppb	99
14) 1,3-Dichlorobenzene	4.526	146	524654	48.85	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	524218	48.82	ppb	98
16) Benzyl alcohol	4.671	108	259611	49.61	ppb	89
17) 1,2-Dichlorobenzene	4.692	146	484470	48.81	ppb	97
18) Acetophenone	4.863	105	518852	43.48	ppb	95
19) 2-Methylphenol	4.756	108	333787	47.81	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.772	45	332962	48.01	ppb	90
21) 3&4-Methylphenol	4.869	108	352243	48.86	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	220761	49.05	ppb		96
23) Hexachloroethane	4.944	201	169415	48.54	ppb		97
26) Nitrobenzene	4.986	77	366971	47.20	ppb		99
27) Quinoline	5.741	129	759561	42.78	ppb		99
28) Isophorone	5.158	82	639270	49.75	ppb		98
29) 2-Nitrophenol	5.216	139	221038	47.80	ppb		93
30) 2,4-Dimethylphenol	5.248	107	339467	51.08	ppb		95
31) Benzoic acid	5.334	105	251573	49.43	ppb		97
32) bis(2-Chloroethoxy)met...	5.313	93	363071	45.85	ppb		99
33) 2,4-Dichlorophenol	5.393	162	347644	49.19	ppb		98
34) 2,6-Dichlorophenol	5.553	162	328066	49.12	ppb		99
35) 1,3,5-Trichlorobenzene	5.227	180	404967	43.28	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	378533	47.99	ppb		99
37) 1,2,3-Trichlorobenzene	5.612	180	362934	42.74	ppb		98
38) Naphthalene	5.505	128	1096452	48.16	ppb		99
39) 4-Chloroaniline	5.543	127	471824	50.65	ppb		97
40) 2,3-Dichloroaniline	6.211	161	412894	42.37	ppb		98
41) Caprolactam	5.799	113	116257	42.82	ppb		95
42) Hexachlorobutadiene	5.601	225	199278	47.45	ppb		100
43) 4-Chloro-3-methylphenol	5.890	107	317637	46.41	ppb		95
44) 2-Methylnaphthalene	6.003	141	678964	49.33	ppb		98
45) 1-Methylnaphthalene	6.072	141	666969	42.97	ppb		99
46) Dimethylnaphthalene	6.489	156	657405	42.46	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	408270	98.00	ppb		99
49) 2,4,6-Trichlorophenol	6.217	196	227146	47.30	ppb		98
50) 2,4,5-Trichlorophenol	6.249	196	244018	45.99	ppb		99
52) 2-Chloronaphthalene	6.377	162	706664	47.92	ppb		97
53) Biphenyl	6.356	154	905191	42.33	ppb		99
54) 2-Nitroaniline	6.457	65	181476	49.12	ppb		97
55) Dimethylphthalate	6.612	163	750570	45.05	ppb		99
56) Acenaphthylene	6.730	152	1157461	48.19	ppb		99
57) 2,6-Dinitrotoluene	6.660	165	172952	49.79	ppb		96
58) 3-Nitroaniline	6.816	138	219391	49.93	ppb		95
59) Acenaphthene	6.896	153	686964	46.35	ppb		96
60) 2,4-Dinitrophenol	6.917	184	160516	100.11	ppb	#	57
61) 4-Nitrophenol	6.987	109	98178	47.69	ppb		93
62) Dibenzofuran	7.067	168	980351	46.98	ppb		98
63) 2,4-Dinitrotoluene	7.046	165	241523	52.57	ppb		94
64) 2,3,4,6-Tetrachlorophenol	7.195	232	190502	48.13	ppb		99
65) Diethylphthalate	7.308	149	780667	46.86	ppb		100
66) Fluorene	7.431	166	794949	47.16	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	350164	47.31	ppb		91
68) 4-Nitroaniline	7.457	138	223836	51.27	ppb		97
70) 4,6-Dinitro-2-methylph...	7.490	198	116791	54.02	ppb		99
71) n-Nitrosodiphenylamine	7.570	169	523051	46.51	ppb		99
72) 1,2-Diphenylhydrazine	7.623	77	706072	48.58	ppb		98
74) 4-Bromophenyl-phenylether	8.040	248	207023	45.11	ppb		95
75) Hexachlorobenzene	8.131	284	237137	46.60	ppb		95
76) Pentachlorophenol	8.409	266	301466	96.87	ppb		98
77) Phenanthrene	8.709	178	1123522	46.77	ppb		99

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

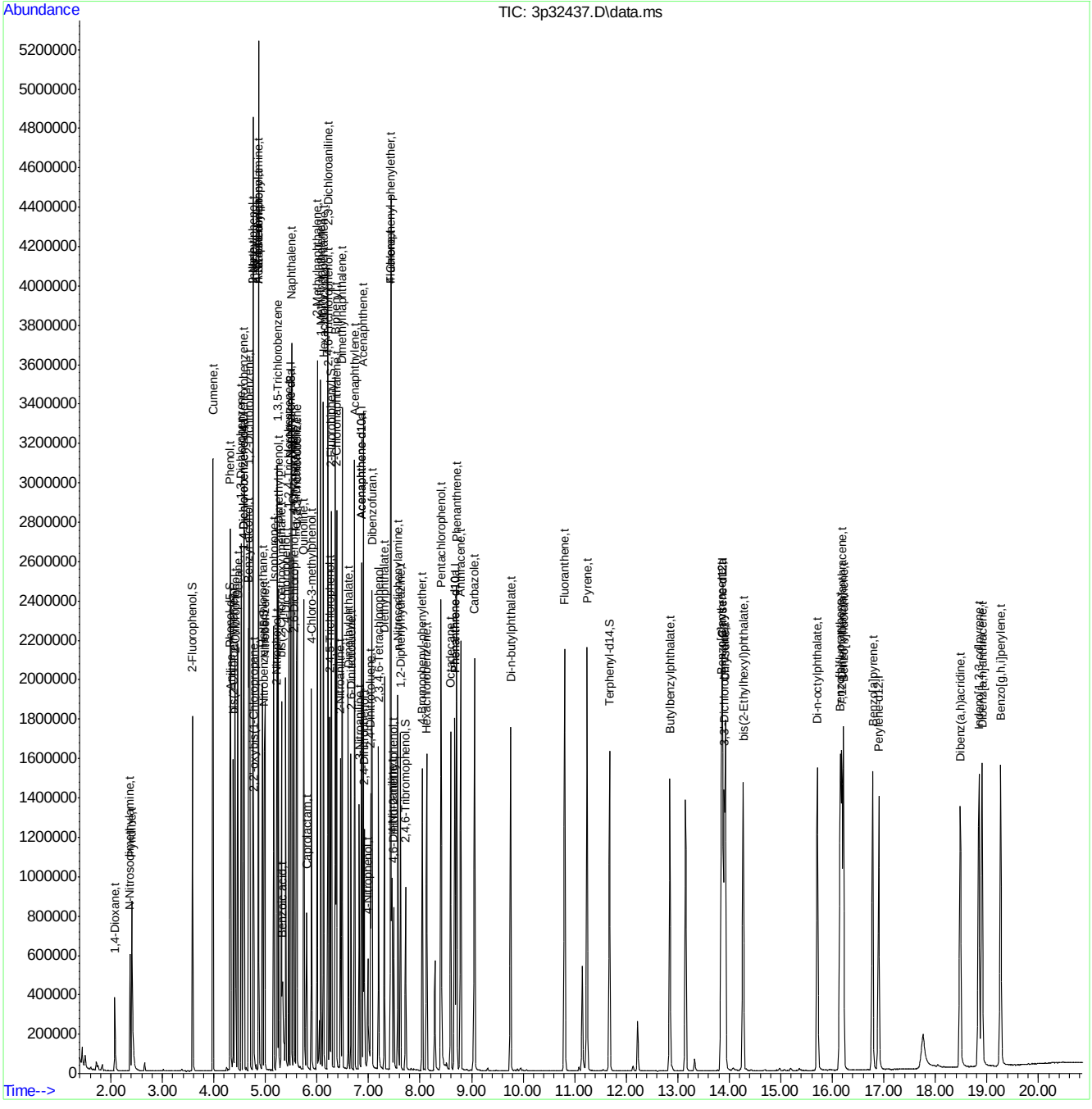
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.789	178	1104917	47.72	ppb	99
79) Carbazole	9.057	167	1122883	41.97	ppb	100
80) Di-n-butylphthalate	9.757	149	1413237	47.41	ppb	100
81) Fluoranthene	10.806	202	1280742	47.38	ppb	100
82) Octadecane	8.591	57	409843	43.25	ppb	98
84) Pyrene	11.244	202	1343754	47.51	ppb	99
86) Butylbenzylphthalate	12.849	149	645385	46.49	ppb	99
87) Benzo[a]anthracene	13.849	228	1118179	45.47	ppb	99
88) 3,3'-Dichlorobenzidine	13.903	252	427414	48.75	ppb	99
89) Chrysene	13.929	228	995231	47.45	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.272	149	847669	48.44	ppb	99
92) Di-n-octylphthalate	15.710	149	1523507	47.78	ppb	100
93) Benzo[b]fluoranthene	16.154	252	1121641	45.45	ppb	99
94) Benzo[k]fluoranthene	16.219	252	1111373	50.96	ppb	99
95) Benzo[a]pyrene	16.785	252	993521	46.59	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.845	276	1002128	47.05	ppb	96
97) Dibenz(a,h)acridine	18.486	279	927965	41.10	ppb	100
98) Dibenz[a,h]anthracene	18.909	278	972871	46.30	ppb	99
99) 7,12-Dimethylbenz(a)an...	16.186	256	526145	56.35	ppb	100
100) Benzo[g,h,i]perylene	19.267	276	997682	46.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	292044	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	978031	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	550560	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	899777	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	892584	40.00	ppb	0.00
91) Perylene-d12	16.903	264	789197	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	292044	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	550560	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	892584	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	978031	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	899777	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	237391	24.02	ppb	0.00
Spiked Amount 50.000			Recovery = 48.04%			
8) Phenol-d5	4.307	99	279216	24.65	ppb	0.00
Spiked Amount 50.000			Recovery = 49.30%			
25) Nitrobenzene-d5	4.970	82	202057	25.32	ppb	0.00
Spiked Amount 50.000			Recovery = 50.64%			
51) 2-Fluorobiphenyl	6.275	172	431074	25.61	ppb	0.00
Spiked Amount 50.000			Recovery = 51.22%			
73) 2,4,6-Tribromophenol	7.720	330	57624	24.03	ppb	0.00
Spiked Amount 50.000			Recovery = 48.06%			
85) Terphenyl-d14	11.672	244	439666	25.27	ppb	0.00
Spiked Amount 50.000			Recovery = 50.54%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.077	88	96481	21.18	ppb	99
3) Pyridine	2.408	79	243121	21.40	ppb	98
4) N-Nitrosodimethylamine	2.371	42	90895	21.82	ppb	97
6) Indene	4.756	116	382984	23.87	ppb	99
7) Cumene	3.976	105	586806	23.12	ppb	98
9) Phenol	4.318	94	309103	24.85	ppb	99
10) Aniline	4.323	93	321858	27.18	ppb	90
11) bis(2-Chloroethyl)ether	4.377	93	191190	24.50	ppb	98
12) 2-Chlorophenol	4.414	128	251459	24.12	ppb	93
13) Decane	4.457	43	164673	23.87	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	303602	26.19	ppb	100
15) 1,4-Dichlorobenzene	4.580	146	295563	25.50	ppb	100
16) Benzyl alcohol	4.671	108	147718	26.05	ppb	96
17) 1,2-Dichlorobenzene	4.692	146	275122	25.68	ppb	99
18) Acetophenone	4.863	105	293348	23.40	ppb	97
19) 2-Methylphenol	4.756	108	188269	25.11	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	191870	25.74	ppb	96
21) 3&4-Methylphenol	4.863	108	195413	25.11	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	124016	25.50	ppb		97
23) Hexachloroethane	4.944	201	95035	25.26	ppb		98
26) Nitrobenzene	4.981	77	212460	25.55	ppb		92
27) Quinoline	5.741	129	424988	22.90	ppb		100
28) Isophorone	5.158	82	354598	25.47	ppb		97
29) 2-Nitrophenol	5.216	139	122223	24.64	ppb		98
30) 2,4-Dimethylphenol	5.249	107	187409	25.86	ppb		99
31) Benzoic acid	5.313	105	124751	22.66	ppb		98
32) bis(2-Chloroethoxy)met...	5.313	93	210155	24.99	ppb		99
33) 2,4-Dichlorophenol	5.388	162	190160	24.91	ppb		96
34) 2,6-Dichlorophenol	5.548	162	182582	25.32	ppb		95
35) 1,3,5-Trichlorobenzene	5.227	180	229425	23.39	ppb		98
36) 1,2,4-Trichlorobenzene	5.452	180	211878	25.02	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	205707	23.18	ppb		96
38) Naphthalene	5.505	128	623114	25.47	ppb		99
39) 4-Chloroaniline	5.543	127	269605	26.60	ppb		98
40) 2,3-Dichloroaniline	6.211	161	233608	22.98	ppb		99
41) Caprolactam	5.789	113	64854	22.85	ppb		98
42) Hexachlorobutadiene	5.602	225	112993	25.13	ppb		98
43) 4-Chloro-3-methylphenol	5.890	107	173927	23.86	ppb		98
44) 2-Methylnaphthalene	6.003	141	370509	24.90	ppb		99
45) 1-Methylnaphthalene	6.072	141	378602	23.31	ppb		99
46) Dimethylnaphthalene	6.484	156	380108	23.52	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	215576	48.43	ppb		99
49) 2,4,6-Trichlorophenol	6.217	196	126478	24.86	ppb		100
50) 2,4,5-Trichlorophenol	6.243	196	133315	23.87	ppb		100
52) 2-Chloronaphthalene	6.372	162	399459	25.49	ppb		95
53) Biphenyl	6.356	154	522851	23.68	ppb		99
54) 2-Nitroaniline	6.452	65	97449	24.67	ppb		91
55) Dimethylphthalate	6.607	163	416196	23.85	ppb		100
56) Acenaphthylene	6.730	152	640108	25.04	ppb		100
57) 2,6-Dinitrotoluene	6.661	165	92760	24.89	ppb		95
58) 3-Nitroaniline	6.816	138	120136	25.47	ppb		98
59) Acenaphthene	6.896	153	388070	24.83	ppb		99
60) 2,4-Dinitrophenol	6.912	184	66875	38.83	ppb		76
61) 4-Nitrophenol	6.987	109	51424	23.53	ppb	#	83
62) Dibenzofuran	7.062	168	544910	24.69	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	128819	25.78	ppb		91
64) 2,3,4,6-Tetrachlorophenol	7.195	232	99963	23.74	ppb		99
65) Diethylphthalate	7.308	149	429922	24.41	ppb		100
66) Fluorene	7.431	166	442419	24.79	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	195483	24.93	ppb		98
68) 4-Nitroaniline	7.452	138	125881	26.68	ppb		100
70) 4,6-Dinitro-2-methylph...	7.490	198	52057	22.29	ppb		93
71) n-Nitrosodiphenylamine	7.570	169	287818	24.60	ppb		98
72) 1,2-Diphenylhydrazine	7.618	77	391312	25.61	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	113515	23.94	ppb		97
75) Hexachlorobenzene	8.126	284	129732	24.49	ppb		91
76) Pentachlorophenol	8.404	266	149816	45.82	ppb		97
77) Phenanthrene	8.709	178	620665	24.80	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	8.784	178	630091	25.99	ppb	99
79)	Carbazole	9.051	167	623211	22.91	ppb	100
80)	Di-n-butylphthalate	9.752	149	755708	24.25	ppb	99
81)	Fluoranthene	10.800	202	687888	24.35	ppb	99
82)	Octadecane	8.591	57	225148	23.22	ppb	100
84)	Pyrene	11.239	202	728865	25.13	ppb	100
86)	Butylbenzylphthalate	12.849	149	345631	24.40	ppb	100
87)	Benzo[a]anthracene	13.849	228	603556	24.18	ppb	99
88)	3,3'-Dichlorobenzidine	13.897	252	231723	25.61	ppb	98
89)	Chrysene	13.919	228	553431	25.74	ppb	99
90)	bis(2-Ethylhexyl)phtha...	14.272	149	452709	25.11	ppb	98
92)	Di-n-octylphthalate	15.705	149	792142	24.16	ppb	99
93)	Benzo[b]fluoranthene	16.149	252	621482	24.78	ppb	99
94)	Benzo[k]fluoranthene	16.208	252	589216	25.86	ppb	99
95)	Benzo[a]pyrene	16.780	252	531631	24.40	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.834	276	527323	24.17	ppb	97
97)	Dibenz(a,h)acridine	18.476	279	489402	21.82	ppb	98
98)	Dibenz[a,h]anthracene	18.898	278	525255	24.50	ppb	99
99)	7,12-Dimethylbenz(a)an...	16.176	256	261849	26.14	ppb	98
100)	Benzo[g,h,i]perylene	19.262	276	524074	24.10	ppb	99

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

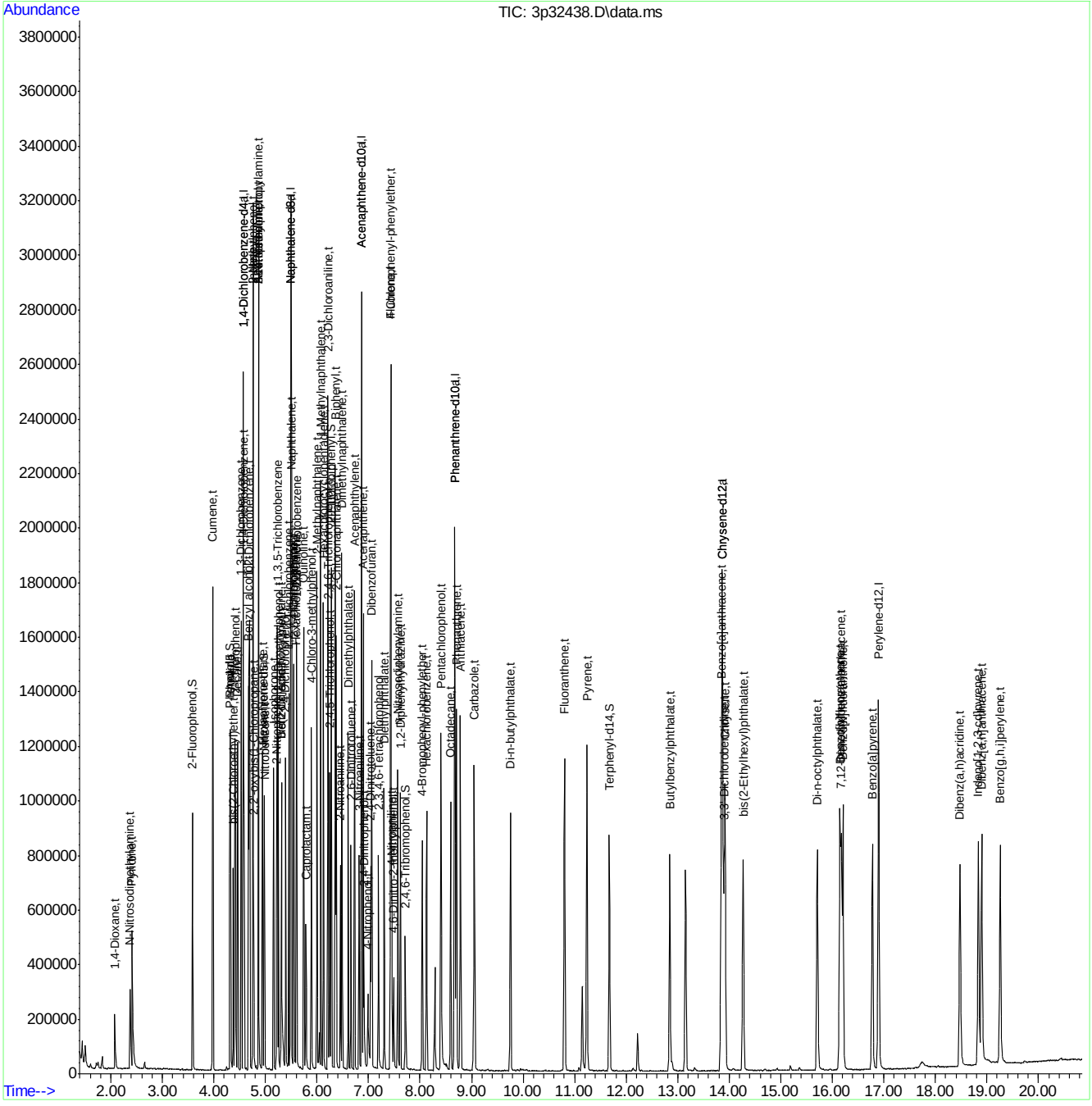
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	446679	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1484465	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	815818	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1335031	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	1333918	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1156985	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	446679	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	815818	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	1333918	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1484465	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1335031	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	143571	9.57	ppb	0.00
Spiked Amount 50.000			Recovery = 19.14%			
8) Phenol-d5	4.307	99	170000	9.84	ppb	0.00
Spiked Amount 50.000			Recovery = 19.68%			
25) Nitrobenzene-d5	4.970	82	126904	10.45	ppb	0.00
Spiked Amount 50.000			Recovery = 20.90%			
51) 2-Fluorobiphenyl	6.275	172	270011	10.77	ppb	0.00
Spiked Amount 50.000			Recovery = 21.54%			
73) 2,4,6-Tribromophenol	7.714	330	33716	9.55	ppb	0.00
Spiked Amount 50.000			Recovery = 19.10%			
85) Terphenyl-d14	11.672	244	263619	10.12	ppb	0.00
Spiked Amount 50.000			Recovery = 20.24%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	65809	9.74	ppb	98
3) Pyridine	2.414	79	155375	9.21	ppb	99
4) N-Nitrosodimethylamine	2.376	42	56675	9.13	ppb	98
6) Indene	4.756	116	273171	11.23	ppb	99
7) Cumene	3.981	105	408507	10.68	ppb	99
9) Phenol	4.313	94	189505	9.97	ppb	95
10) Aniline	4.323	93	188253	10.22	ppb	91
11) bis(2-Chloroethyl)ether	4.377	93	121001	10.18	ppb	97
12) 2-Chlorophenol	4.414	128	162822	10.28	ppb	94
13) Decane	4.457	43	120491	11.52	ppb	90
14) 1,3-Dichlorobenzene	4.526	146	186766	10.43	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	184869	10.39	ppb	100
16) Benzyl alcohol	4.671	108	91046	10.41	ppb	92
17) 1,2-Dichlorobenzene	4.692	146	171391	10.40	ppb	97
18) Acetophenone	4.858	105	213004	11.25	ppb	94
19) 2-Methylphenol	4.756	108	122128	10.64	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.767	45	124257	10.83	ppb	97
21) 3&4-Methylphenol	4.863	108	127751	10.72	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	81376	10.90	ppb		96
23) Hexachloroethane	4.944	201	59222	10.27	ppb		99
26) Nitrobenzene	4.981	77	131092	10.34	ppb		95
27) Quinoline	5.741	129	301174	10.87	ppb		99
28) Isophorone	5.152	82	223012	10.52	ppb		95
29) 2-Nitrophenol	5.216	139	72679	9.68	ppb		97
30) 2,4-Dimethylphenol	5.249	107	106367	9.60	ppb		99
31) Benzoic acid	5.323	105	70609m	8.61	ppb		
32) bis(2-Chloroethoxy)met...	5.313	93	134289	10.52	ppb		99
33) 2,4-Dichlorophenol	5.388	162	120804	10.43	ppb		97
34) 2,6-Dichlorophenol	5.548	162	116091	10.58	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	161871	11.02	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	131210	10.21	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	144505	10.89	ppb		97
38) Naphthalene	5.505	128	394230	10.58	ppb		100
39) 4-Chloroaniline	5.543	127	165002	10.59	ppb		98
40) 2,3-Dichloroaniline	6.211	161	164053	10.81	ppb		99
41) Caprolactam	5.783	113	43594	10.30	ppb		96
42) Hexachlorobutadiene	5.602	225	68920	10.09	ppb		98
43) 4-Chloro-3-methylphenol	5.890	107	109681	10.00	ppb	#	100
44) 2-Methylnaphthalene	5.997	141	234538	10.39	ppb		98
45) 1-Methylnaphthalene	6.072	141	265297	10.91	ppb		99
46) Dimethylnaphthalene	6.484	156	271425	11.20	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	129654	19.78	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	75931	10.08	ppb		97
50) 2,4,5-Trichlorophenol	6.243	196	86446	10.54	ppb		98
52) 2-Chloronaphthalene	6.372	162	247376	10.61	ppb		95
53) Biphenyl	6.356	154	360011	11.12	ppb		100
54) 2-Nitroaniline	6.452	65	59369	10.17	ppb		93
55) Dimethylphthalate	6.607	163	262696	10.25	ppb		99
56) Acenaphthylene	6.730	152	399766	10.55	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	54123	9.81	ppb		95
58) 3-Nitroaniline	6.816	138	72264	10.30	ppb		94
59) Acenaphthene	6.896	153	241898	10.46	ppb		98
60) 2,4-Dinitrophenol	6.912	184	31261	12.82	ppb		86
61) 4-Nitrophenol	6.992	109	30562	9.55	ppb	#	77
62) Dibenzofuran	7.062	168	337088	10.33	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	76164	10.22	ppb		94
64) 2,3,4,6-Tetrachlorophenol	7.195	232	60254	9.75	ppb		98
65) Diethylphthalate	7.302	149	269985	10.40	ppb		99
66) Fluorene	7.431	166	276266	10.46	ppb		98
67) 4-Chlorophenyl-phenyle...	7.431	204	123603	10.64	ppb		99
68) 4-Nitroaniline	7.447	138	74662	10.54	ppb		96
70) 4,6-Dinitro-2-methylph...	7.484	198	27103	8.00	ppb		97
71) n-Nitrosodiphenylamine	7.570	169	179971	10.40	ppb		100
72) 1,2-Diphenylhydrazine	7.618	77	240176	10.54	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	69073	9.90	ppb		97
75) Hexachlorobenzene	8.126	284	78122	9.98	ppb		92
76) Pentachlorophenol	8.404	266	88668	18.59	ppb		98
77) Phenanthrene	8.704	178	383205	10.34	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	375535	10.36	ppb	99
79) Carbazole	9.051	167	435367	10.97	ppb	100
80) Di-n-butylphthalate	9.752	149	461679	10.05	ppb	100
81) Fluoranthene	10.800	202	417107	10.00	ppb	99
82) Octadecane	8.591	57	156345	11.02	ppb	99
84) Pyrene	11.239	202	453477	10.45	ppb	100
86) Butylbenzylphthalate	12.849	149	210492	9.99	ppb	99
87) Benzo[a]anthracene	13.849	228	369299	9.97	ppb	99
88) 3,3'-Dichlorobenzidine	13.897	252	136650	10.06	ppb	99
89) Chrysene	13.919	228	336522	10.41	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.266	149	274218	10.17	ppb	99
92) Di-n-octylphthalate	15.705	149	468490	9.81	ppb	100
93) Benzo[b]fluoranthene	16.144	252	365514	9.96	ppb	99
94) Benzo[k]fluoranthene	16.203	252	362672	10.78	ppb	99
95) Benzo[a]pyrene	16.775	252	317719	9.99	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.829	276	311051	9.79	ppb	96
97) Dibenz(a,h)acridine	18.476	279	327021	10.21	ppb	99
98) Dibenz[a,h]anthracene	18.893	278	309402	9.88	ppb	97
99) 7,12-Dimethylbenz(a)an...	16.170	256	102291	6.90	ppb	97
100) Benzo[g,h,i]perylene	19.257	276	316615	10.00	ppb	99

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

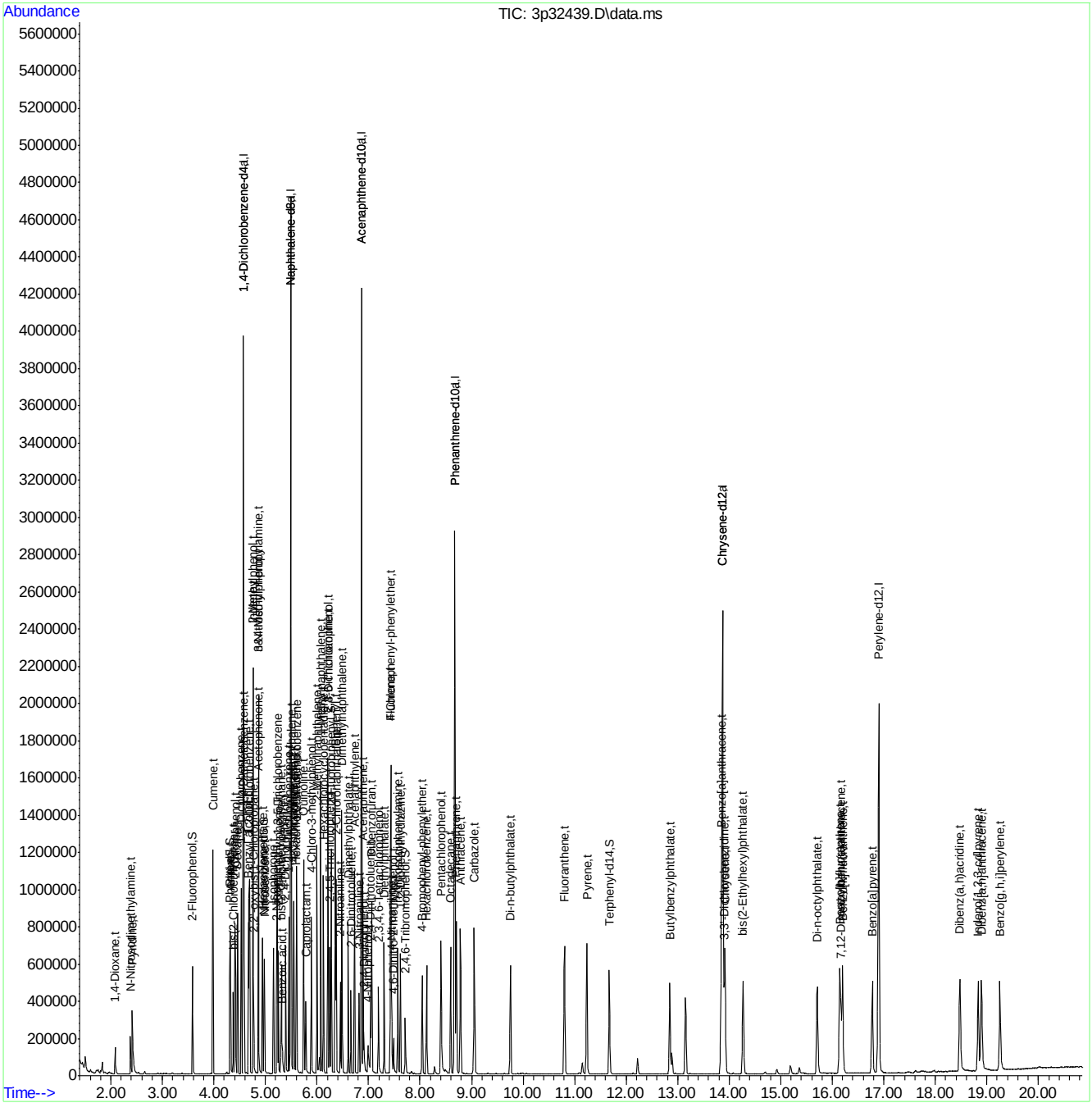
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration



Manual Integration Approval Summary

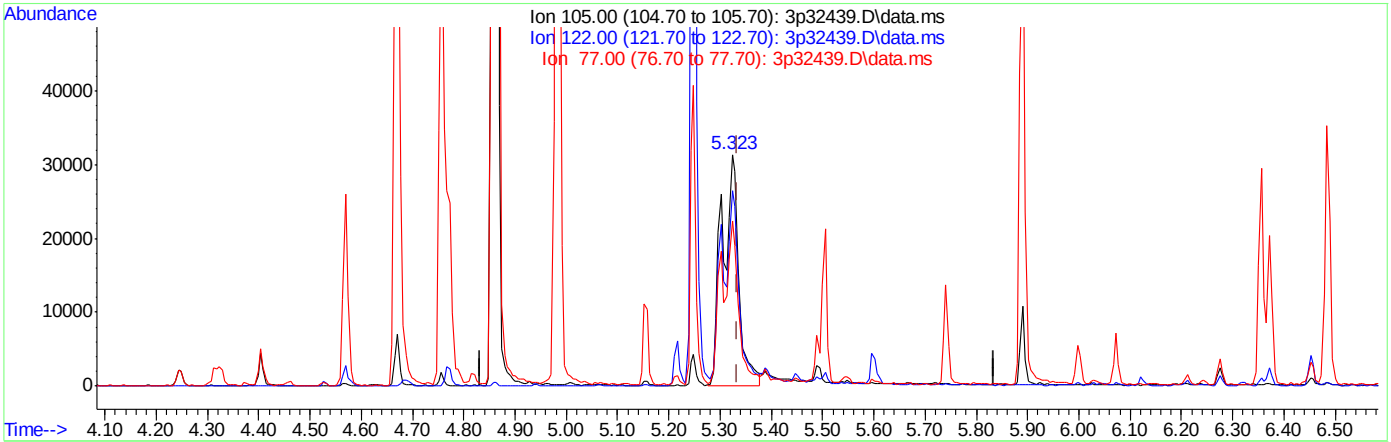
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32439.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 17:13	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

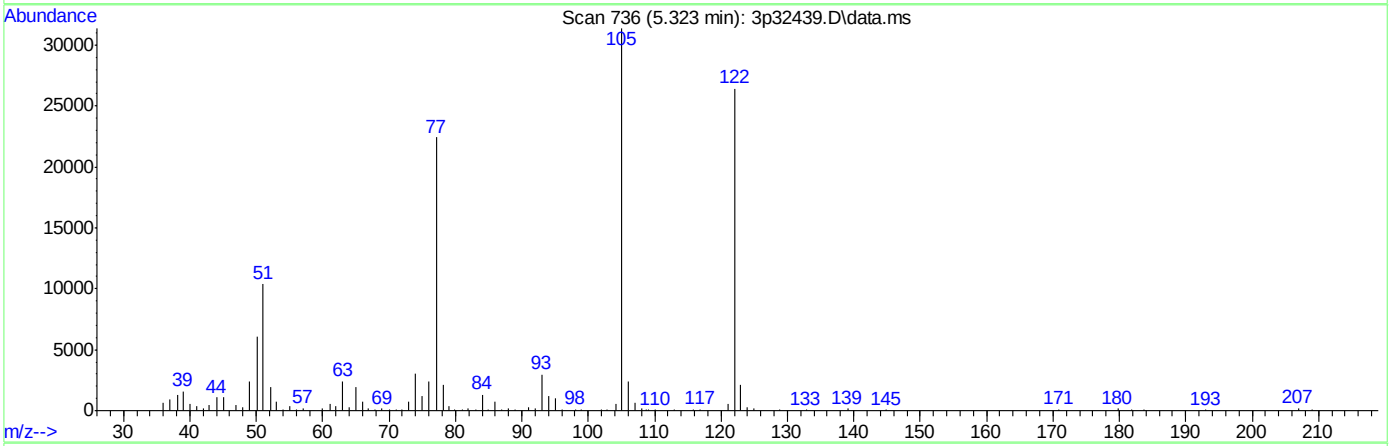
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.32	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration





TIC: 3p32439.D\data.ms

(31) Benzoic acid (t)

5.323min (-0.011) 8.61ppb m

response 70609

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	84.29
77.00	70.30	71.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	474622	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1607743	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	899050	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1451934	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1403912	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1252885	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	474622	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	899050	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1403912	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1607743	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1451934	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	29962	1.89	ppb	0.00
Spiked Amount 50.000			Recovery =	3.78%		
8) Phenol-d5	4.307	99	35562	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
25) Nitrobenzene-d5	4.970	82	25820	1.95	ppb	0.00
Spiked Amount 50.000			Recovery =	3.90%		
51) 2-Fluorobiphenyl	6.275	172	60528	2.16	ppb	0.00
Spiked Amount 50.000			Recovery =	4.32%		
73) 2,4,6-Tribromophenol	7.720	330	6311	1.66	ppb	0.00
Spiked Amount 50.000			Recovery =	3.32%		
85) Terphenyl-d14	11.672	244	54585	1.99	ppb	0.00
Spiked Amount 50.000			Recovery =	3.98%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	13957	1.95	ppb	98
3) Pyridine	2.430	79	35768	2.02	ppb	98
4) N-Nitrosodimethylamine	2.382	42	12187	1.87	ppb	96
6) Indene	4.756	116	61651	2.34	ppb	100
7) Cumene	3.976	105	86868	2.11	ppb	99
9) Phenol	4.313	94	41671	2.06	ppb	96
10) Aniline	4.323	93	46293	2.36	ppb	89
11) bis(2-Chloroethyl)ether	4.377	93	27003	2.13	ppb	95
12) 2-Chlorophenol	4.414	128	35163	2.08	ppb	95
13) Decane	4.457	43	26344	2.31	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	41947	2.19	ppb	94
15) 1,4-Dichlorobenzene	4.580	146	42271	2.22	ppb	95
16) Benzyl alcohol	4.671	108	19041	2.03	ppb	95
17) 1,2-Dichlorobenzene	4.692	146	39598	2.25	ppb	97
18) Acetophenone	4.858	105	48169	2.35	ppb	93
19) 2-Methylphenol	4.756	108	24326	1.97	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	28236	2.29	ppb	95
21) 3&4-Methylphenol	4.863	108	26220	2.05	ppb	96

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	18572	2.31	ppb		97
23) Hexachloroethane	4.944	201	12805	2.08	ppb		99
26) Nitrobenzene	4.981	77	28471	2.06	ppb		92
27) Quinoline	5.741	129	66244	2.18	ppb		99
28) Isophorone	5.152	82	49874	2.15	ppb		96
29) 2-Nitrophenol	5.216	139	14229	1.76	ppb		95
30) 2,4-Dimethylphenol	5.249	107	14338	1.20	ppb		98
31) Benzoic acid	5.302	105	9234	1.06	ppb		96
32) bis(2-Chloroethoxy)met...	5.313	93	30435	2.18	ppb		99
33) 2,4-Dichlorophenol	5.393	162	26729	2.12	ppb		96
34) 2,6-Dichlorophenol	5.548	162	24085	2.01	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	35941	2.22	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	30948	2.22	ppb		98
37) 1,2,3-Trichlorobenzene	5.607	180	32274	2.21	ppb		98
38) Naphthalene	5.505	128	89710	2.20	ppb		98
39) 4-Chloroaniline	5.543	127	37436	2.20	ppb		94
40) 2,3-Dichloroaniline	6.211	161	36862	2.21	ppb		97
41) Caprolactam	5.773	113	9210	2.00	ppb		92
42) Hexachlorobutadiene	5.602	225	15675	2.12	ppb		96
43) 4-Chloro-3-methylphenol	5.890	107	23634	1.99	ppb	#	99
44) 2-Methylnaphthalene	5.997	141	52834	2.15	ppb		97
45) 1-Methylnaphthalene	6.072	141	59955	2.24	ppb		98
46) Dimethylnaphthalene	6.484	156	60458	2.26	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	22389	3.11	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	15669	1.89	ppb		97
50) 2,4,5-Trichlorophenol	6.249	196	18732	2.05	ppb		99
52) 2-Chloronaphthalene	6.372	162	57265	2.21	ppb		94
53) Biphenyl	6.356	154	84514	2.33	ppb		100
54) 2-Nitroaniline	6.452	65	11447	1.77	ppb		83
55) Dimethylphthalate	6.607	163	60211	2.12	ppb		99
56) Acenaphthylene	6.730	152	89279	2.12	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	10146	1.67	ppb		89
58) 3-Nitroaniline	6.816	138	14355	1.85	ppb		92
59) Acenaphthene	6.891	153	54398	2.12	ppb		99
60) 2,4-Dinitrophenol	6.923	184	3026	1.20	ppb	#	41
61) 4-Nitrophenol	7.003	109	5226	1.49	ppb		92
62) Dibenzofuran	7.062	168	78126	2.16	ppb		100
63) 2,4-Dinitrotoluene	7.040	165	12738	1.55	ppb		98
64) 2,3,4,6-Tetrachlorophenol	7.195	232	11279	1.66	ppb		95
65) Diethylphthalate	7.302	149	58665	2.04	ppb		99
66) Fluorene	7.431	166	61835	2.11	ppb		99
67) 4-Chlorophenyl-phenyle...	7.431	204	27542	2.13	ppb		99
68) 4-Nitroaniline	7.452	138	14465	1.84	ppb		94
70) 4,6-Dinitro-2-methylph...	7.490	198	2566	0.72	ppb		97
71) n-Nitrosodiphenylamine	7.570	169	39871	2.10	ppb		97
72) 1,2-Diphenylhydrazine	7.618	77	51813	2.07	ppb		97
74) 4-Bromophenyl-phenylether	8.041	248	14782	1.95	ppb		98
75) Hexachlorobenzene	8.126	284	17468	2.05	ppb		96
76) Pentachlorophenol	8.410	266	12070	2.35	ppb		94
77) Phenanthrene	8.704	178	87088	2.15	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	82357	2.08	ppb	99
79) Carbazole	9.051	167	91926	2.10	ppb	99
80) Di-n-butylphthalate	9.752	149	93282	1.86	ppb	99
81) Fluoranthene	10.800	202	87401	1.93	ppb	99
82) Octadecane	8.591	57	31552	2.01	ppb	99
84) Pyrene	11.234	202	94863	2.06	ppb	98
86) Butylbenzylphthalate	12.844	149	38831	1.75	ppb	97
87) Benzo[a]anthracene	13.849	228	79984	2.05	ppb	98
88) 3,3'-Dichlorobenzidine	13.897	252	26406	1.84	ppb	96
89) Chrysene	13.919	228	70600	2.06	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.266	149	49233	1.73	ppb	94
92) Di-n-octylphthalate	15.705	149	77962	1.51	ppb	99
93) Benzo[b]fluoranthene	16.144	252	69056	1.74	ppb	98
94) Benzo[k]fluoranthene	16.197	252	73706	2.00	ppb	96
95) Benzo[a]pyrene	16.775	252	63060	1.83	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.829	276	56750	1.66	ppb	96
97) Dibenz(a,h)acridine	18.476	279	60485	1.74	ppb	98
98) Dibenz[a,h]anthracene	18.893	278	59998	1.77	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.165	256	8870	0.58	ppb	90
100) Benzo[g,h,i]perylene	19.251	276	65376	1.91	ppb	97

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

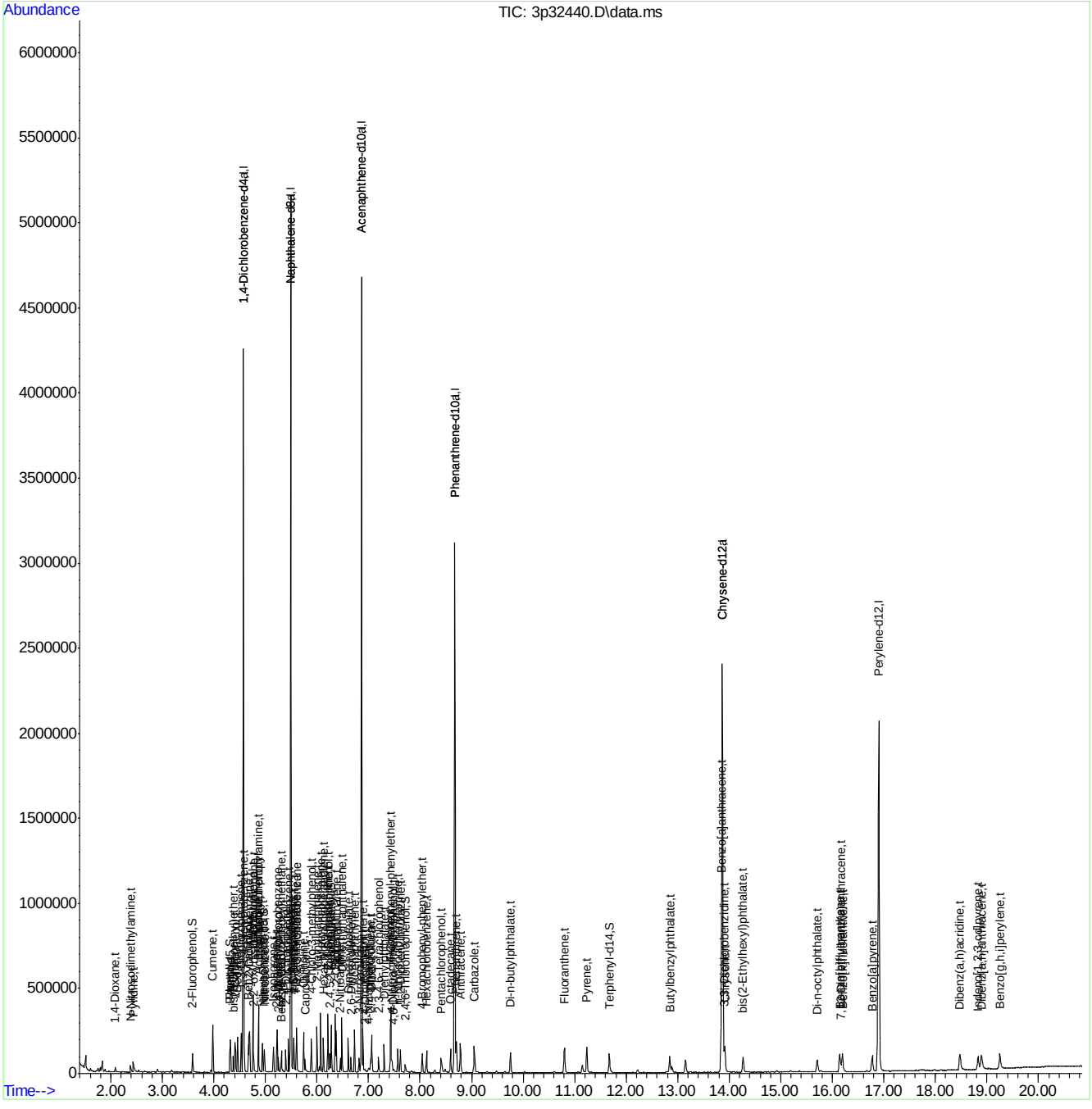
9.6.35

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	499878	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1658183	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	909453	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1467182	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	1455949	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1302313	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	499878	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	909453	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	1455949	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1658183	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1467182	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	82790	5.01	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
8) Phenol-d5	4.307	99	98343	5.11	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
25) Nitrobenzene-d5	4.970	82	72066	5.25	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.50%	
51) 2-Fluorobiphenyl	6.275	172	155362	5.37	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.74%	
73) 2,4,6-Tribromophenol	7.720	330	17657	4.74	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.48%	
85) Terphenyl-d14	11.672	244	148814	5.20	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.40%	
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	36957	4.94	ppb	99
3) Pyridine	2.419	79	91715	4.92	ppb	99
4) N-Nitrosodimethylamine	2.376	42	32566	4.82	ppb	98
6) Indene	4.756	116	164509	5.67	ppb	100
7) Cumene	3.981	105	239796	5.43	ppb	99
9) Phenol	4.313	94	112180	5.22	ppb	95
10) Aniline	4.323	93	116613	5.43	ppb	90
11) bis(2-Chloroethyl)ether	4.377	93	73276	5.38	ppb	95
12) 2-Chlorophenol	4.414	128	96029	5.31	ppb	94
13) Decane	4.457	43	69877	5.60	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	112316	5.43	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	110390	5.36	ppb	99
16) Benzyl alcohol	4.671	108	51521	5.19	ppb	94
17) 1,2-Dichlorobenzene	4.692	146	102215	5.36	ppb	98
18) Acetophenone	4.858	105	126570	5.61	ppb	93
19) 2-Methylphenol	4.756	108	71397	5.44	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.773	45	74518	5.53	ppb	99
21) 3&4-Methylphenol	4.863	108	72724	5.32	ppb	98

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	46991	5.36	ppb		96
23) Hexachloroethane	4.944	201	33911	5.18	ppb		95
26) Nitrobenzene	4.981	77	75441	5.24	ppb		95
27) Quinoline	5.741	129	173345	5.39	ppb		99
28) Isophorone	5.152	82	128224	5.27	ppb		96
29) 2-Nitrophenol	5.216	139	40412	4.94	ppb		95
30) 2,4-Dimethylphenol	5.249	107	55951	4.85	ppb		97
31) Benzoic acid	5.313	105	34750	3.79	ppb		98
32) bis(2-Chloroethoxy)met...	5.313	93	77108	5.25	ppb		98
33) 2,4-Dichlorophenol	5.393	162	66312	5.04	ppb		99
34) 2,6-Dichlorophenol	5.548	162	66122	5.29	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	96272	5.58	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	78731	5.33	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	86548	5.57	ppb		97
38) Naphthalene	5.505	128	228495	5.31	ppb		99
39) 4-Chloroaniline	5.543	127	96456	5.36	ppb		99
40) 2,3-Dichloroaniline	6.211	161	96212	5.44	ppb		99
41) Caprolactam	5.778	113	25675	5.35	ppb		93
42) Hexachlorobutadiene	5.602	225	41282	5.31	ppb		99
43) 4-Chloro-3-methylphenol	5.890	107	61756	5.04	ppb	#	98
44) 2-Methylnaphthalene	5.997	141	137379	5.31	ppb		97
45) 1-Methylnaphthalene	6.072	141	156150	5.49	ppb		98
46) Dimethylnaphthalene	6.484	156	156874	5.50	ppb		97
48) Hexachlorocyclopentadiene	6.126	237	69022	9.80	ppb		98
49) 2,4,6-Trichlorophenol	6.211	196	42915	5.13	ppb		97
50) 2,4,5-Trichlorophenol	6.243	196	49250	5.28	ppb		98
52) 2-Chloronaphthalene	6.372	162	146628	5.44	ppb		96
53) Biphenyl	6.356	154	215858	5.63	ppb		99
54) 2-Nitroaniline	6.452	65	32613	5.07	ppb		89
55) Dimethylphthalate	6.607	163	151338	5.20	ppb		100
56) Acenaphthylene	6.730	152	232470	5.35	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	28683	4.82	ppb		94
58) 3-Nitroaniline	6.816	138	38707	4.98	ppb		96
59) Acenaphthene	6.891	153	137027	5.20	ppb		98
60) 2,4-Dinitrophenol	6.912	184	11267	11.71	ppb	#	39
61) 4-Nitrophenol	6.992	109	15190	4.51	ppb		99
62) Dibenzofuran	7.062	168	193405	5.20	ppb		100
63) 2,4-Dinitrotoluene	7.040	165	39613	4.92	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.195	232	33527	5.01	ppb		97
65) Diethylphthalate	7.302	149	154559	5.25	ppb		98
66) Fluorene	7.431	166	156466	5.20	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	71587	5.36	ppb		97
68) 4-Nitroaniline	7.447	138	40288	5.10	ppb		95
70) 4,6-Dinitro-2-methylph...	7.484	198	11211	5.61	ppb		96
71) n-Nitrosodiphenylamine	7.570	169	103838	5.33	ppb		98
72) 1,2-Diphenylhydrazine	7.618	77	140031	5.44	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	38651	5.06	ppb		99
75) Hexachlorobenzene	8.126	284	45097	5.20	ppb		93
76) Pentachlorophenol	8.410	266	41860	7.90	ppb		96
77) Phenanthrene	8.704	178	218586	5.24	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	8.784	178	214598	5.28	ppb	99
79)	Carbazole	9.051	167	245243	5.43	ppb	98
80)	Di-n-butylphthalate	9.752	149	251910	5.03	ppb	99
81)	Fluoranthene	10.800	202	235990	5.15	ppb	100
82)	Octadecane	8.591	57	89055	5.53	ppb	99
84)	Pyrene	11.239	202	253023	5.24	ppb	98
86)	Butylbenzylphthalate	12.844	149	112630	4.99	ppb	99
87)	Benzo[a]anthracene	13.849	228	208406	5.12	ppb	99
88)	3,3'-Dichlorobenzidine	13.897	252	71088	4.86	ppb	98
89)	Chrysene	13.919	228	190005	5.28	ppb	98
90)	bis(2-Ethylhexyl)phtha...	14.266	149	142073	4.92	ppb	100
92)	Di-n-octylphthalate	15.705	149	242881	4.73	ppb	99
93)	Benzo[b]fluoranthene	16.144	252	192026	4.77	ppb	99
94)	Benzo[k]fluoranthene	16.197	252	206013	5.32	ppb	98
95)	Benzo[a]pyrene	16.775	252	174102	4.93	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.829	276	165656	4.79	ppb	98
97)	Dibenz(a,h)acridine	18.476	279	172891	4.88	ppb	98
98)	Dibenz[a,h]anthracene	18.893	278	171308	4.96	ppb	99
99)	7,12-Dimethylbenz(a)an...	16.170	256	36945	2.76	ppb	98
100)	Benzo[g,h,i]perylene	19.251	276	175313	4.96	ppb	97

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

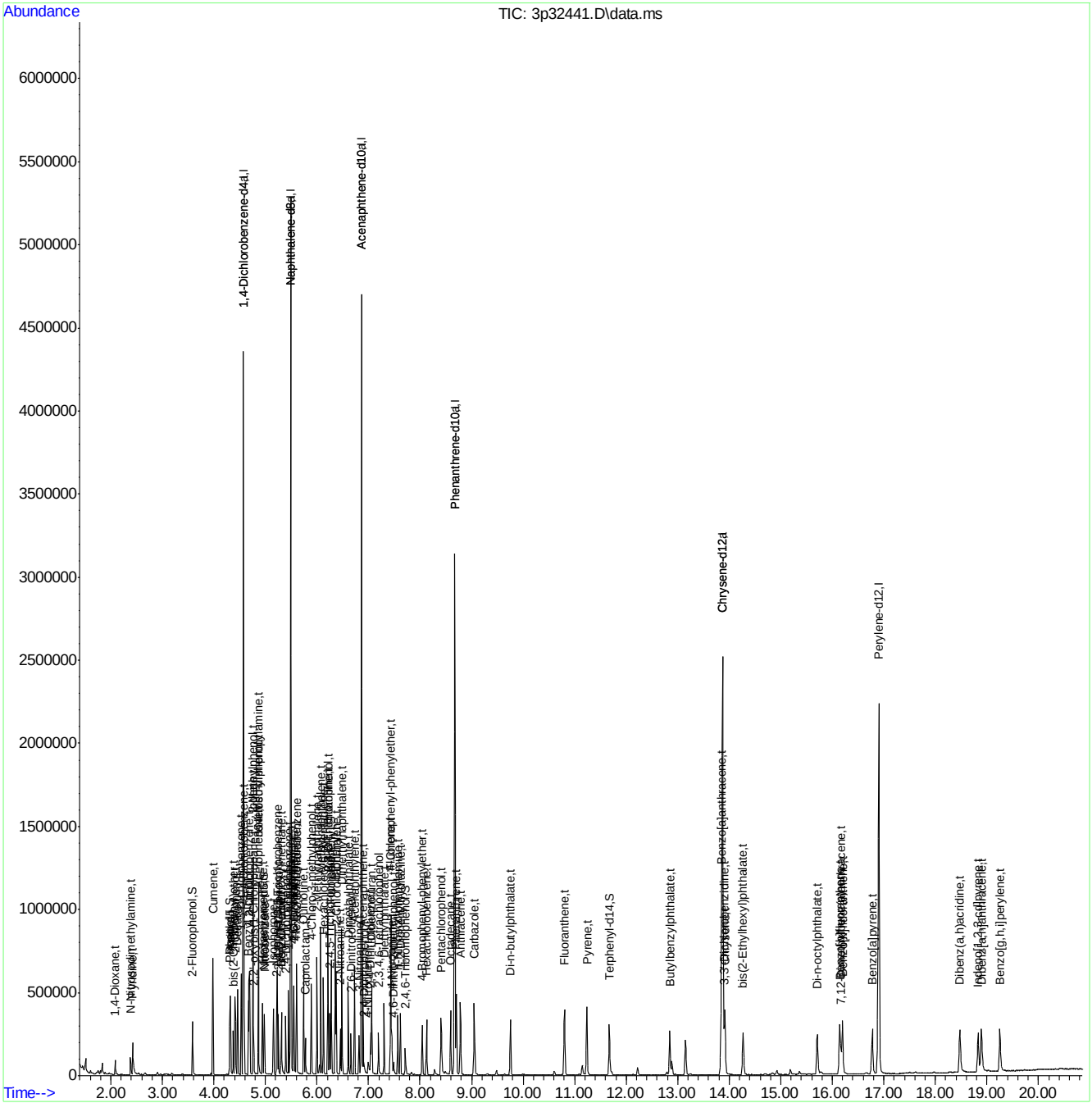
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32443.D
Acq On : 6 Jun 2014 6:37 pm
Operator : samtap
Sample : ic1390-100
Misc : op74992,e3p1390,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 08:02:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	308697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1110767	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	575883	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	950032	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	868187	40.00	ppb	0.00
91) Perylene-d12	16.898	264	799583	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	308697	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	575883	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	868187	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1110767	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	950032	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%		
112) o-Terphenyl	9.340	230	1221986	99.97	ppb	0.00
Spiked Amount 50.000			Recovery =	199.94%		
113) 1-Chlorooctadecane	10.795	57	615620	100.01	ppb	0.00
Spiked Amount 50.000			Recovery =	200.02%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	560587	100.00	ppb	93
104) 2-bromonaphthalene	6.859	127	842495	99.21	ppb	97
105) Atrazine	8.297	215	250848	99.96	ppb	86
106) 1,2,4,5-Tetrachloroben...	6.131	216	861040	100.00	ppb	99
108) Benzidine	11.148	184	847164	100.26	ppb	99
110) Hydroquinone	5.789	110	912976	100.00	ppb	92

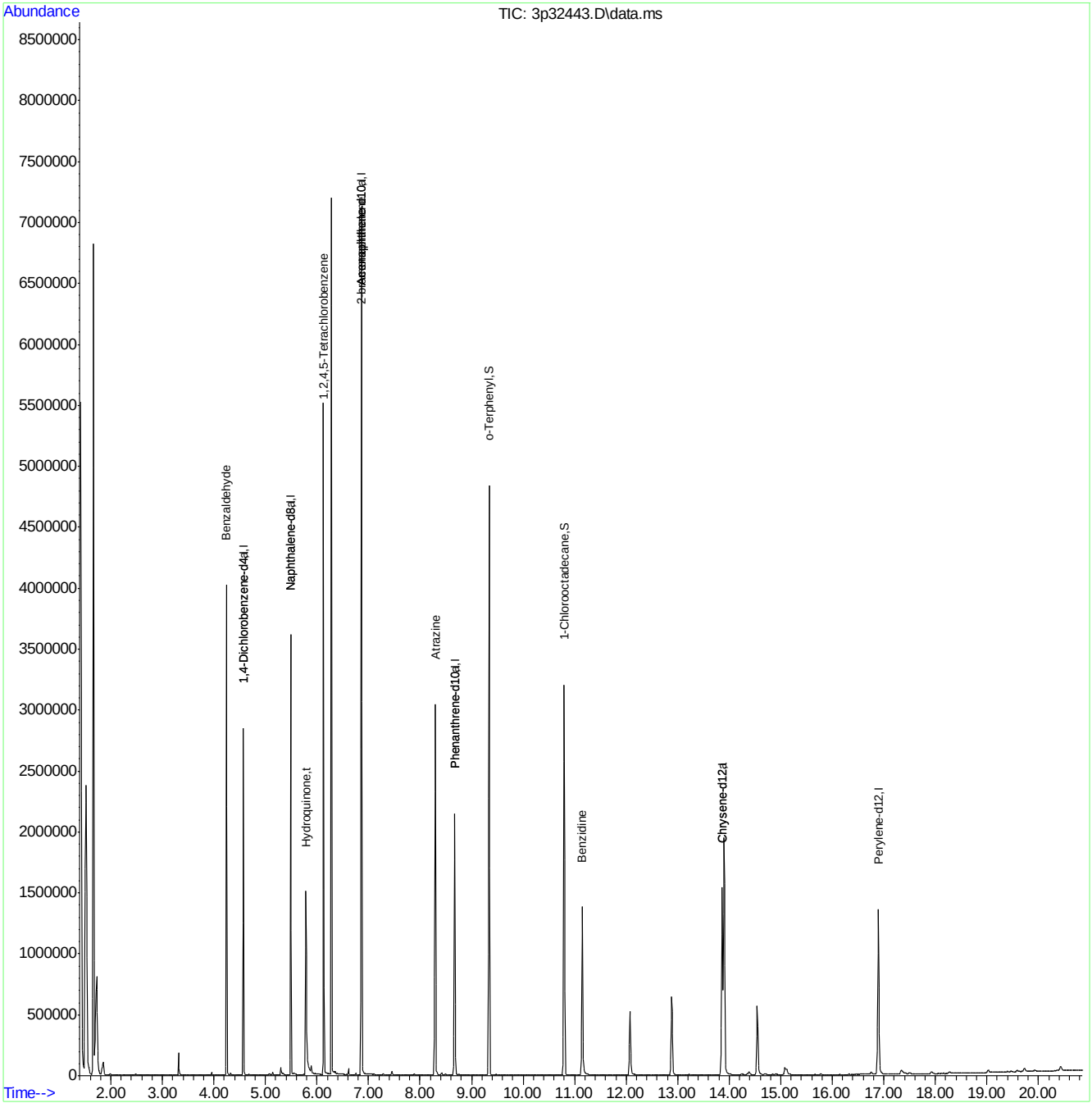
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32443.D
Acq On : 6 Jun 2014 6:37 pm
Operator : samtap
Sample : ic1390-100
Misc : op74992,e3p1390,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 08:02:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32444.D
Acq On : 6 Jun 2014 7:03 pm
Operator : samtap
Sample : ic1390-80
Misc : op74992,e3p1390,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 07 08:03:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

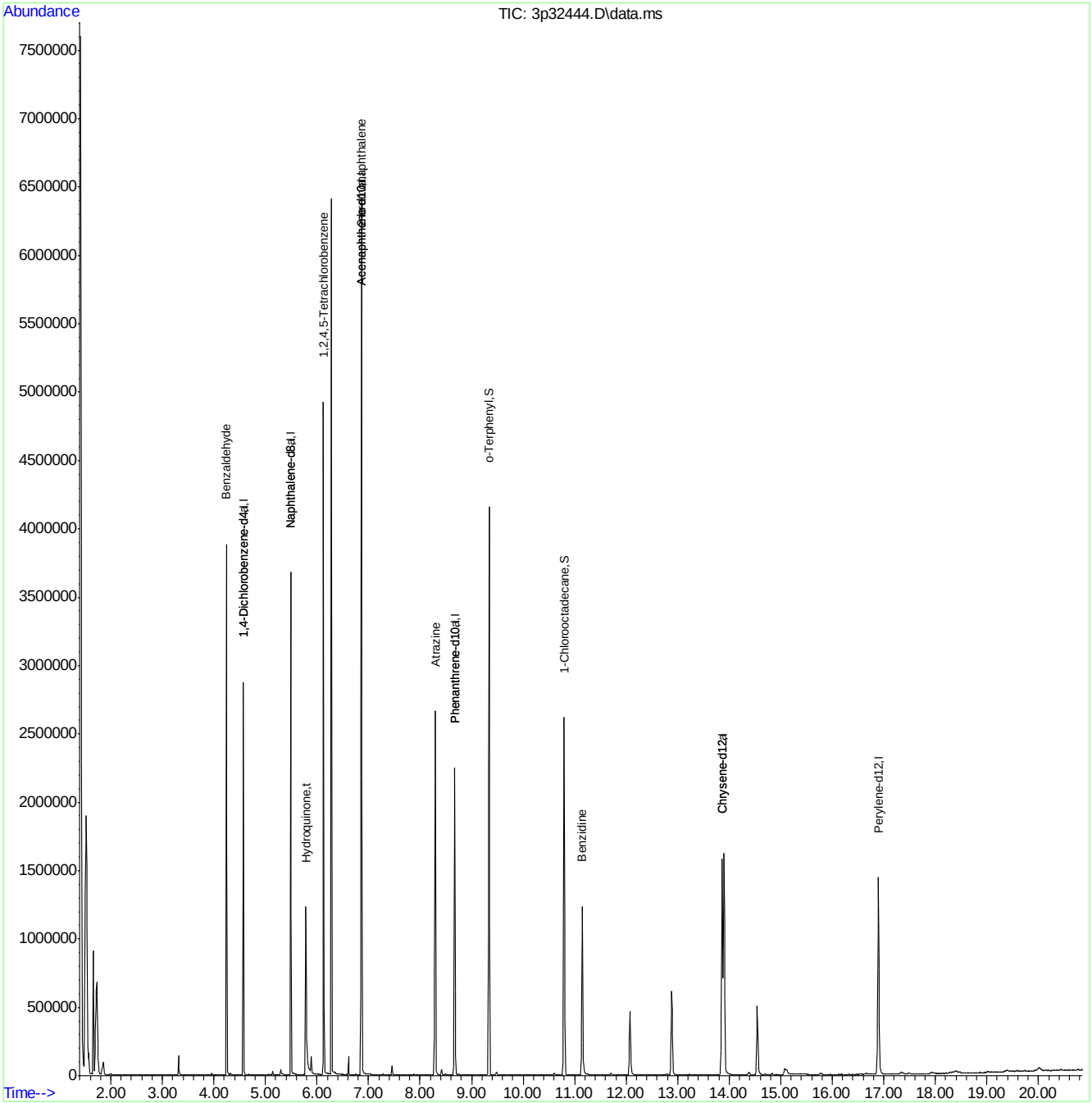
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	321389	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1154732	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	598227	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	974944	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	905417	40.00	ppb	0.00
91) Perylene-d12	16.898	264	850018	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	321389	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	598227	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	905417	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1154732	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	974944	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%		
112) o-Terphenyl	9.340	230	1045820	83.37	ppb	0.00
Spiked Amount 50.000			Recovery =	166.74%		
113) 1-Chlorooctadecane	10.795	57	509718	80.69	ppb	0.00
Spiked Amount 50.000			Recovery =	161.38%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	536533	91.93	ppb	93
104) 2-bromonaphthalene	6.859	127	709418	80.42	ppb	95
105) Atrazine	8.297	215	206938	79.38	ppb	88
106) 1,2,4,5-Tetrachloroben...	6.126	216	725299	81.09	ppb	97
108) Benzidine	11.148	184	767732	87.12	ppb	99
110) Hydroquinone	5.789	110	755822	79.63	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32444.D
Acq On : 6 Jun 2014 7:03 pm
Operator : samtap
Sample : ic1390-80
Misc : op74992,e3p1390,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 07 08:03:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32445.D
Acq On : 6 Jun 2014 7:28 pm
Operator : samtap
Sample : icc1390-50
Misc : op74992,e3p1390,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 07 08:04:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

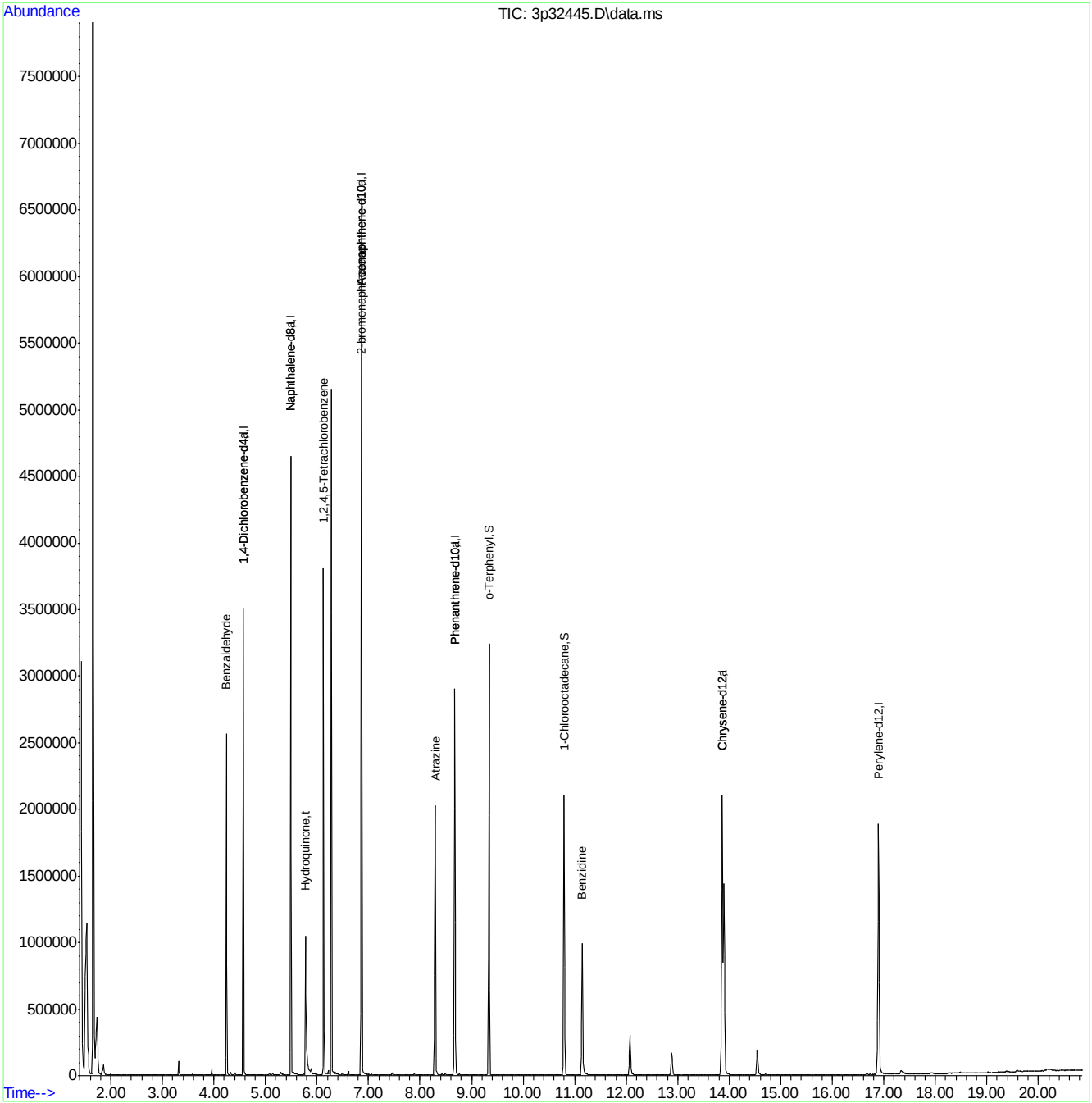
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	418461	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1472231	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	788281	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1295654	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1203524	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1132568	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	418461	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	788281	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1203524	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1472231	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1295654	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-Terphenyl	9.340	230	808112	48.48	ppb	0.00
Spiked Amount 50.000			Recovery =	96.96%		
113) 1-Chlorooctadecane	10.795	57	400854	47.75	ppb	0.00
Spiked Amount 50.000			Recovery =	95.50%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	362552	47.71	ppb	91
104) 2-bromonaphthalene	6.858	127	553126	47.59	ppb	96
105) Atrazine	8.297	215	156577	45.58	ppb	85
106) 1,2,4,5-Tetrachloroben...	6.126	216	540482	45.86	ppb	98
108) Benzidine	11.148	184	645900	55.14	ppb	99
110) Hydroquinone	5.778	110	550244	45.47	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32445.D
Acq On : 6 Jun 2014 7:28 pm
Operator : samtap
Sample : icc1390-50
Misc : op74992,e3p1390,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 07 08:04:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32446.D
Acq On : 6 Jun 2014 7:54 pm
Operator : samtap
Sample : ic1390-25
Misc : op74992,e3p1390,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 08:04:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

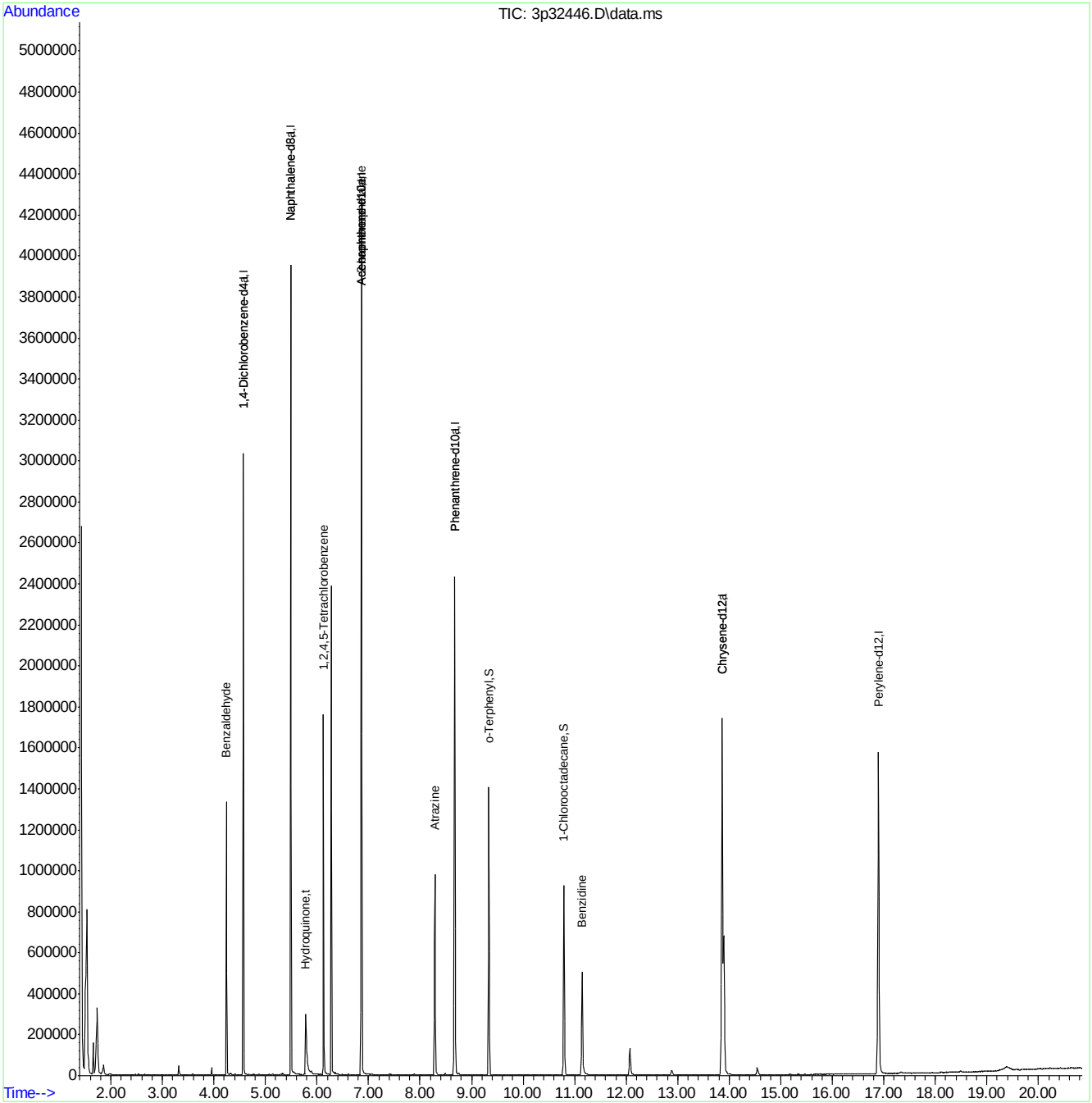
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	349267	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1244566	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	664198	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1082674	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	999166	40.00	ppb	-0.01
91) Perylene-d12	16.898	264	910044	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	349267	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	664198	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	999166	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1244566	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1082674	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-Terphenyl	9.335	230	349362	25.08	ppb	0.00
Spiked Amount 50.000			Recovery =	50.16%		
113) 1-Chlorooctadecane	10.790	57	177082	25.24	ppb	0.00
Spiked Amount 50.000			Recovery =	50.48%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	188282	29.69	ppb	92
104) 2-bromonaphthalene	6.858	127	247375	25.26	ppb	94
105) Atrazine	8.287	215	67363	23.27	ppb	89
106) 1,2,4,5-Tetrachloroben...	6.126	216	239532	24.12	ppb	99
108) Benzidine	11.143	184	320809	32.99	ppb	99
110) Hydroquinone	5.778	110	222153	21.72	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32446.D
Acq On : 6 Jun 2014 7:54 pm
Operator : samtap
Sample : ic1390-25
Misc : op74992,e3p1390,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 08:04:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32447.D
Acq On : 6 Jun 2014 8:20 pm
Operator : samtap
Sample : ic1390-10
Misc : op74992,e3p1390,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 07 08:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

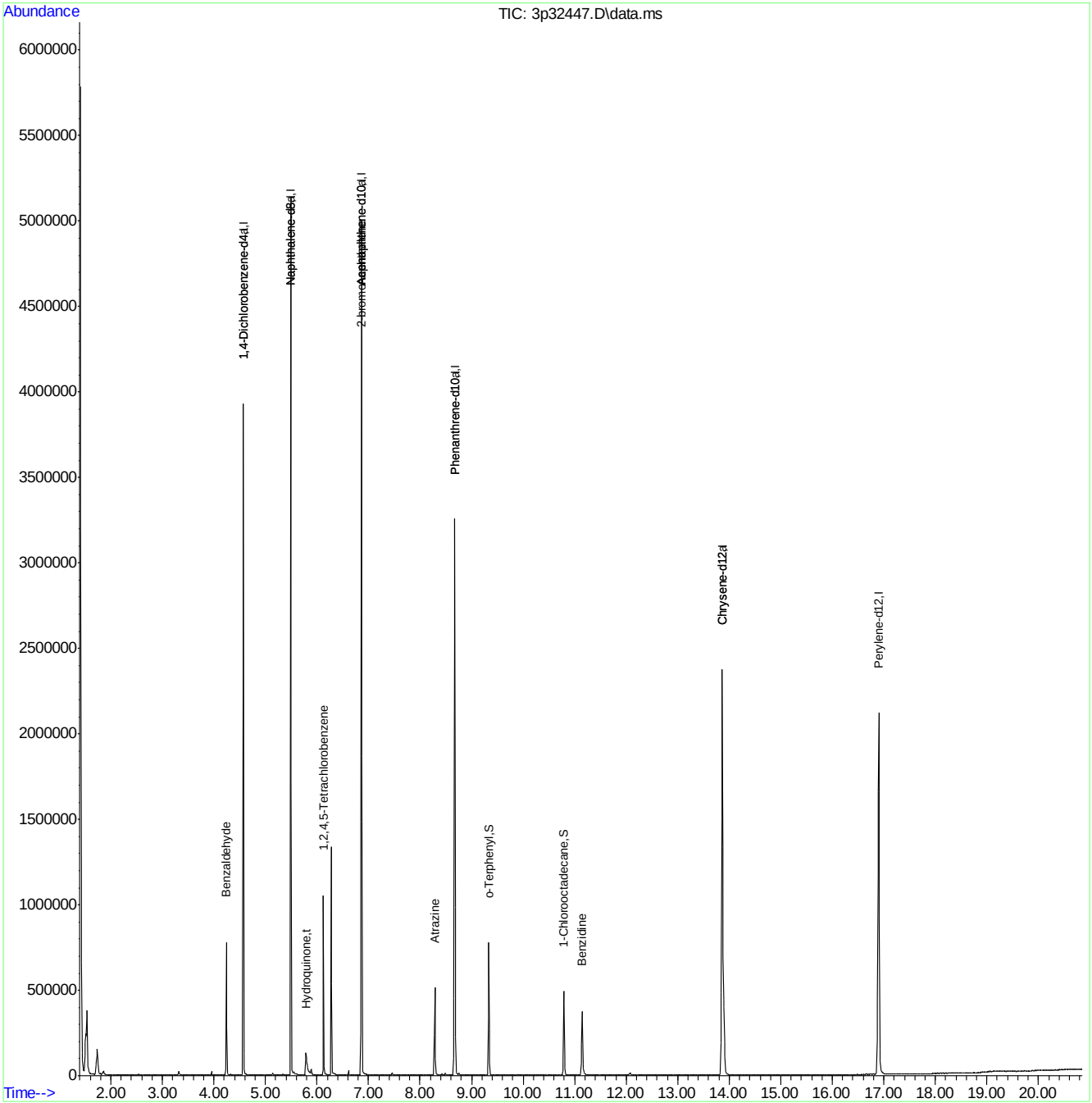
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	457807	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1623620	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	908800	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1450087	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1354335	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1277009	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	457807	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	908800	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1354335	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1623620	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1450087	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%		
112) o-Terphenyl	9.335	230	186128	9.98	ppb	0.00
Spiked Amount 50.000			Recovery =	19.96%		
113) 1-Chlorooctadecane	10.790	57	90567	9.64	ppb	0.00
Spiked Amount 50.000			Recovery =	19.28%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	109413	13.16	ppb	93
104) 2-bromonaphthalene	6.859	127	136490	10.19	ppb	95
105) Atrazine	8.287	215	36804	9.29	ppb	86
106) 1,2,4,5-Tetrachloroben...	6.126	216	134661	9.91	ppb	99
108) Benzidine	11.143	184	242790	18.42	ppb	99
110) Hydroquinone	5.783	110	119209	8.93	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32447.D
Acq On : 6 Jun 2014 8:20 pm
Operator : samtap
Sample : ic1390-10
Misc : op74992,e3p1390,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 07 08:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32448.D
Acq On : 6 Jun 2014 8:45 pm
Operator : samtap
Sample : ic1390-5
Misc : op74992,e3p1390,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 08:06:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

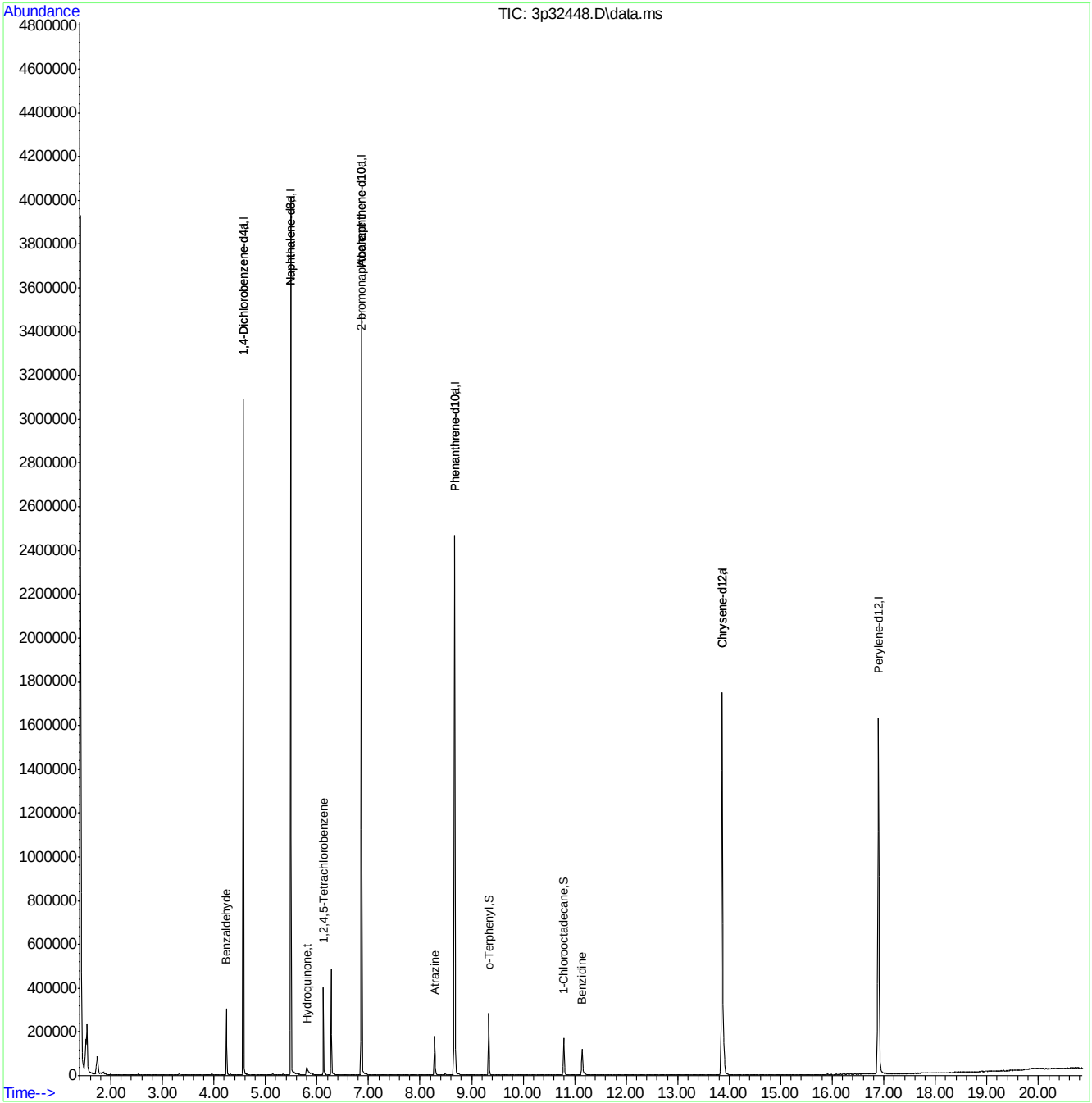
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	366697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1286977	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	692986	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1102760	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1020524	40.00	ppb	0.00
91) Perylene-d12	16.898	264	953267	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	366697	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	692986	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1020524	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1286977	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1102760	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%		
112) o-Terphenyl	9.335	230	71208	5.02	ppb	0.00
Spiked Amount 50.000			Recovery =	10.04%		
113) 1-Chlorooctadecane	10.790	57	32268	4.52	ppb	0.00
Spiked Amount 50.000			Recovery =	9.04%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	43238	6.49	ppb	93
104) 2-bromonaphthalene	6.859	127	52756	5.16	ppb	92
105) Atrazine	8.287	215	12990	4.30	ppb	85
106) 1,2,4,5-Tetrachloroben...	6.126	216	51447	4.97	ppb	96
108) Benzidine	11.143	184	83388	8.40	ppb	98
110) Hydroquinone	5.800	110	39563	3.74	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32448.D
Acq On : 6 Jun 2014 8:45 pm
Operator : samtap
Sample : ic1390-5
Misc : op74992,e3p1390,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 08:06:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



9.6.42

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32449.D
Acq On : 6 Jun 2014 9:11 pm
Operator : samtap
Sample : ic1390-2
Misc : op74992,e3p1390,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 08:22:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

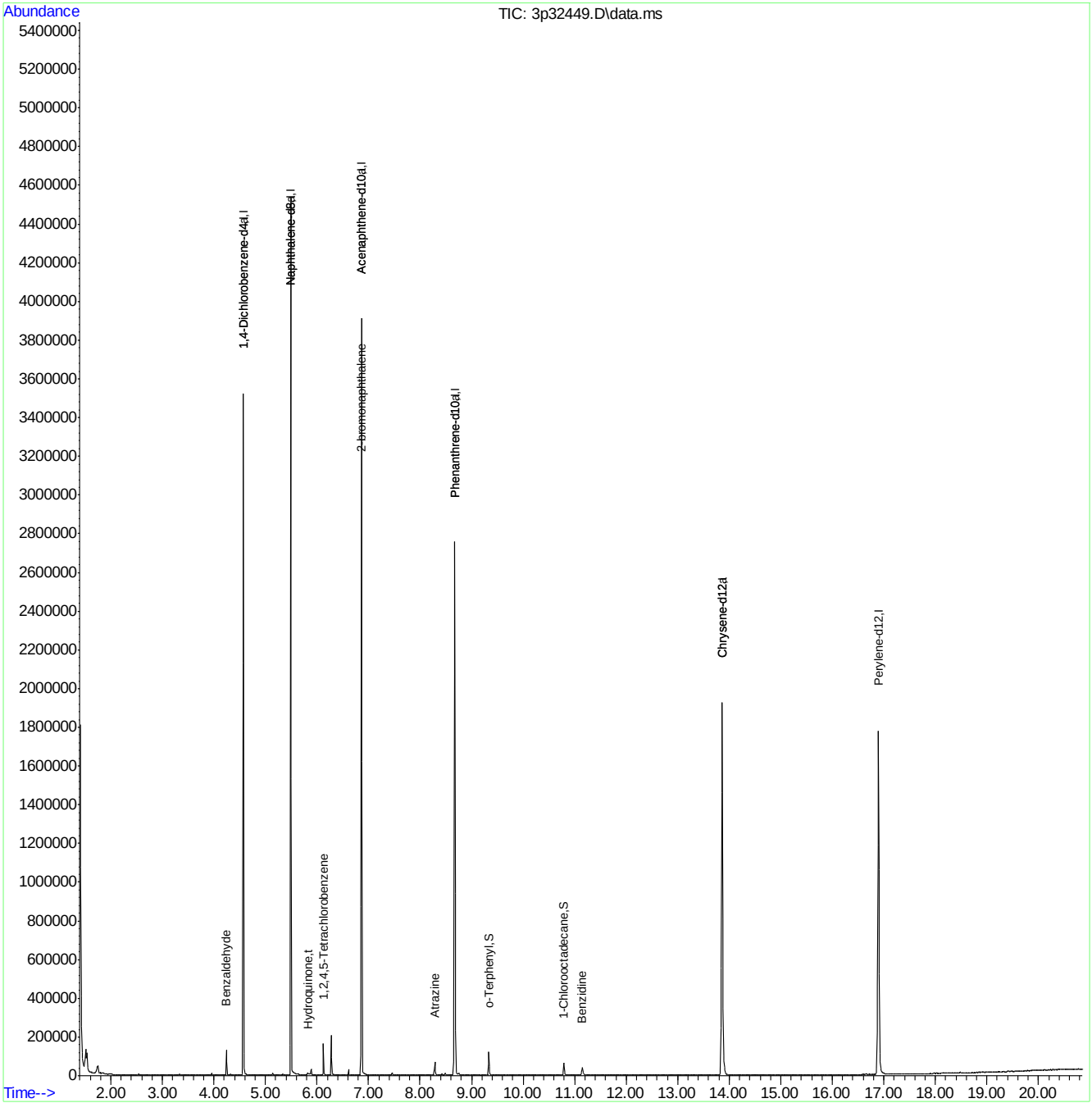
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	414057	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1414071	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	771325	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1229685	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1147447	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1055509	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	414057	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	771325	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1147447	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1414071	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1229685	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%		
112) o-Terphenyl	9.335	230	29681	1.88	ppb	0.00
Spiked Amount 50.000			Recovery =	3.76%		
113) 1-Chlorooctadecane	10.790	57	11909	1.49	ppb	0.00
Spiked Amount 50.000			Recovery =	2.98%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	17922	2.38	ppb	93
104) 2-bromonaphthalene	6.859	127	23397	2.06	ppb	97
105) Atrazine	8.287	215	5211	1.55	ppb #	73
106) 1,2,4,5-Tetrachloroben...	6.126	216	21416	1.86	ppb	99
108) Benzidine	11.148	184	29626	2.65	ppb	99
110) Hydroquinone	5.826	110	13089	1.13	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32449.D
Acq On : 6 Jun 2014 9:11 pm
Operator : samtap
Sample : ic1390-2
Misc : op74992,e3p1390,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 08:22:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32450.D
Acq On : 6 Jun 2014 9:36 pm
Operator : samtap
Sample : ic1390-1
Misc : op74992,e3p1390,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 07 08:07:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

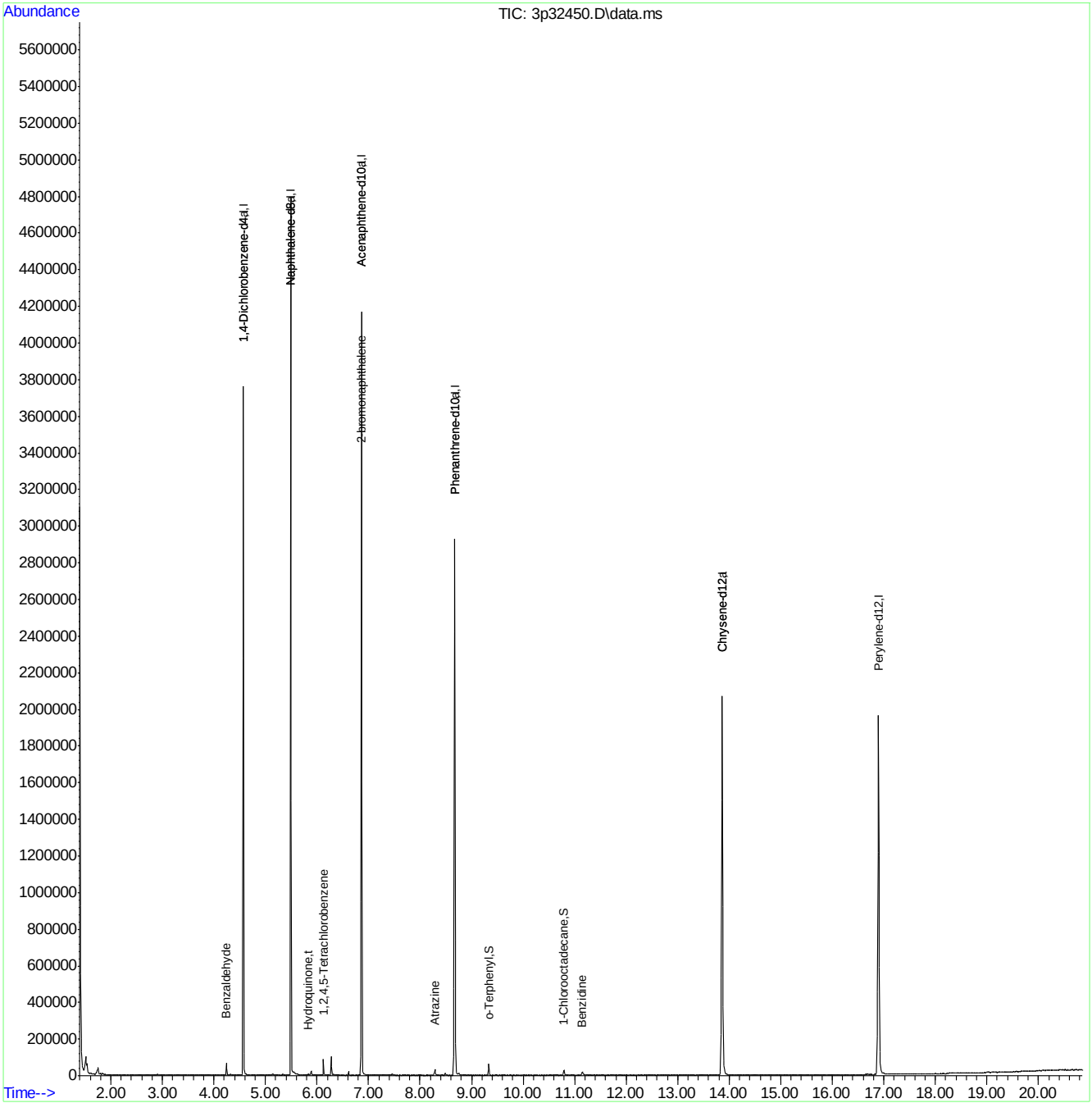
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	440650	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1500112	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	831072	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1297843	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1198384	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1133092	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	440650	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	831072	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1198384	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1500112	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1297843	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%		
112) o-Terphenyl	9.335	230	15161	0.91	ppb	0.00
Spiked Amount 50.000			Recovery =	1.82%		
113) 1-Chlorooctadecane	10.790	57	5868	0.70	ppb	0.00
Spiked Amount 50.000			Recovery =	1.40%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	9802	1.22	ppb	90
104) 2-bromonaphthalene	6.858	127	12229	1.00	ppb	95
105) Atrazine	8.287	215	2337	0.65	ppb	87
106) 1,2,4,5-Tetrachloroben...	6.126	216	11179	0.90	ppb	95
108) Benzidine	11.148	184	13172	1.13	ppb	95
110) Hydroquinone	5.826	110	6485	0.53	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32450.D
Acq On : 6 Jun 2014 9:36 pm
Operator : samtap
Sample : ic1390-1
Misc : op74992,e3p1390,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 07 08:07:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/11/14 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.569	152	293028	40.00	ppb		0.00
24) Naphthalene-d8	5.489	136	972324	40.00	ppb		0.00
47) Acenaphthene-d10	6.864	164	546494	40.00	ppb		0.00
69) Phenanthrene-d10	8.672	188	875723	40.00	ppb		0.00
83) Chrysene-d12	13.860	240	804843	40.00	ppb		-0.01
91) Perylene-d12	16.892	264	716162	40.00	ppb		-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	293028	40.00	ppb		0.00
103) Acenaphthene-d10a	6.864	164	546494	40.00	ppb		0.00
107) Chrysene-d12a	13.860	240	804843	40.00	ppb		-0.01
109) Naphthalene-d8a	5.489	136	972324	40.00	ppb		0.00
111) Phenanthrene-d10a	8.672	188	875723	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%			
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.312	94	568156	45.10	ppb		96
12) 2-Chlorophenol	4.414	128	520167	49.11	ppb		94
19) 2-Methylphenol	4.756	108	406670	52.87	ppb		97
21) 3&4-Methylphenol	4.863	108	413537	51.63	ppb		99
29) 2-Nitrophenol	5.216	139	229679	47.87	ppb		95
30) 2,4-Dimethylphenol	5.248	107	437933	64.71	ppb		99
31) Benzoic acid	5.334	105	221578m	41.24	ppb		
33) 2,4-Dichlorophenol	5.388	162	394808	51.20	ppb		98
34) 2,6-Dichlorophenol	5.548	162	381179	52.05	ppb		97
43) 4-Chloro-3-methylphenol	5.885	107	364130	50.68	ppb	#	99
49) 2,4,6-Trichlorophenol	6.211	196	260488	51.80	ppb		98
50) 2,4,5-Trichlorophenol	6.238	196	278491	49.66	ppb		97
61) 4-Nitrophenol	6.981	109	112125	55.44	ppb		99
64) 2,3,4,6-Tetrachlorophenol	7.190	232	200113	49.74	ppb		98
70) 4,6-Dinitro-2-methylph...	7.484	198	97077	40.98	ppb		98
76) Pentachlorophenol	8.404	266	156269	49.38	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

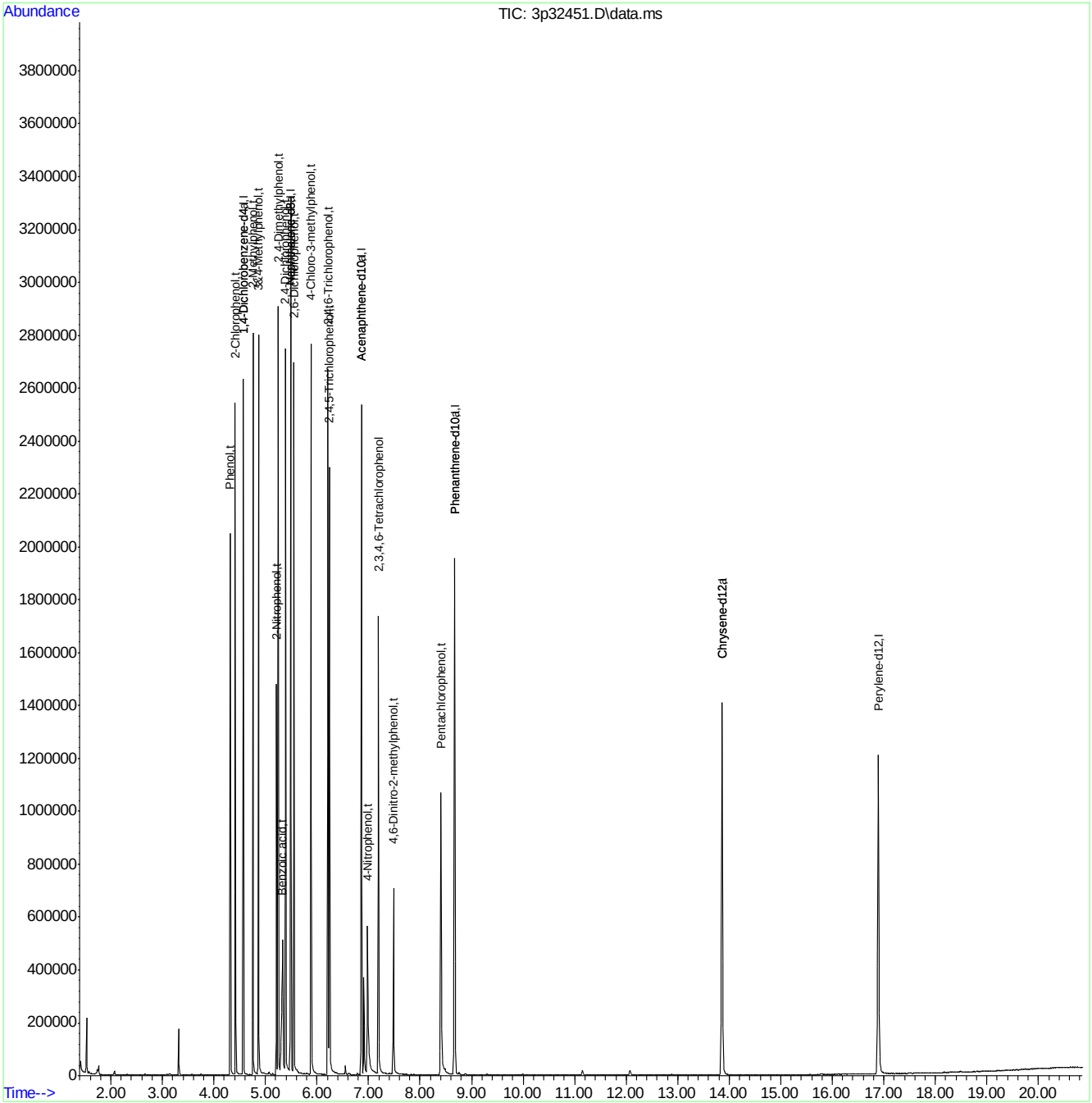
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

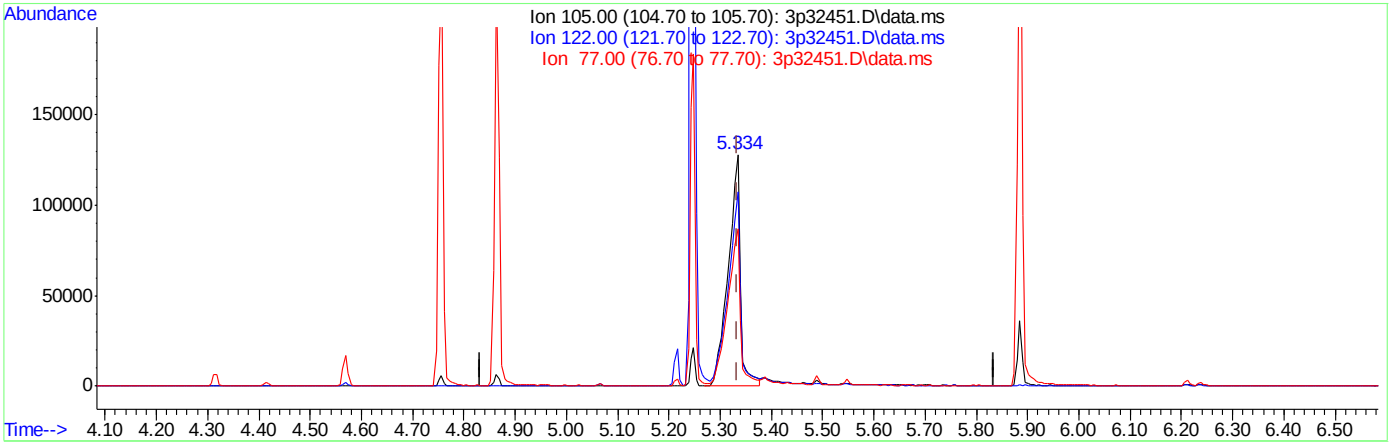
Sample Number:	E3P1390-ICV1389	**Method:**	SW846 8270D
Lab FileID:	3P32451.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:02	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

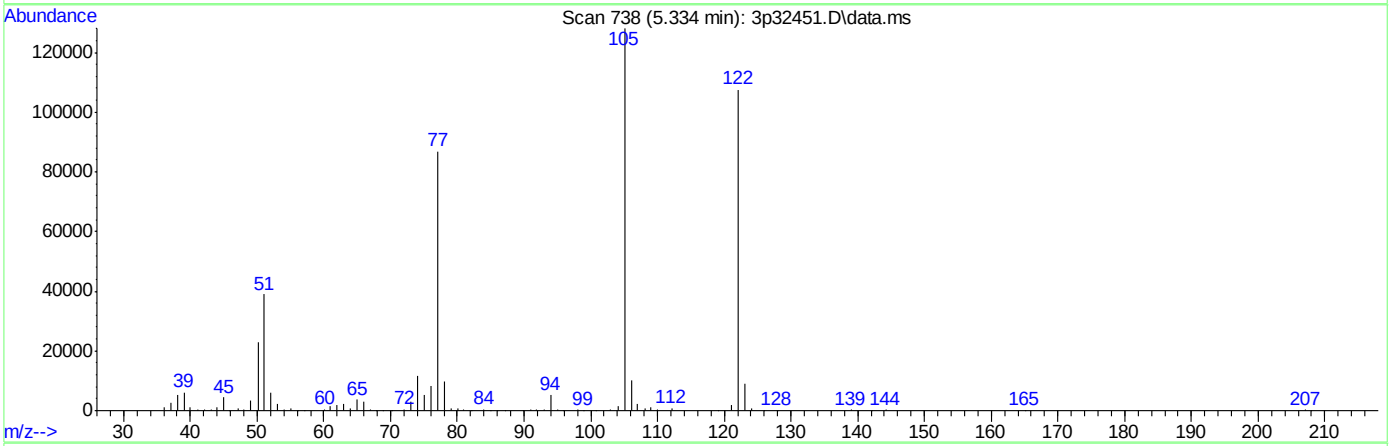
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.33	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op75000,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 08:29:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32451.D\data.ms

(31) Benzoic acid (t)

5.334min (+0.000) 39.30ppb

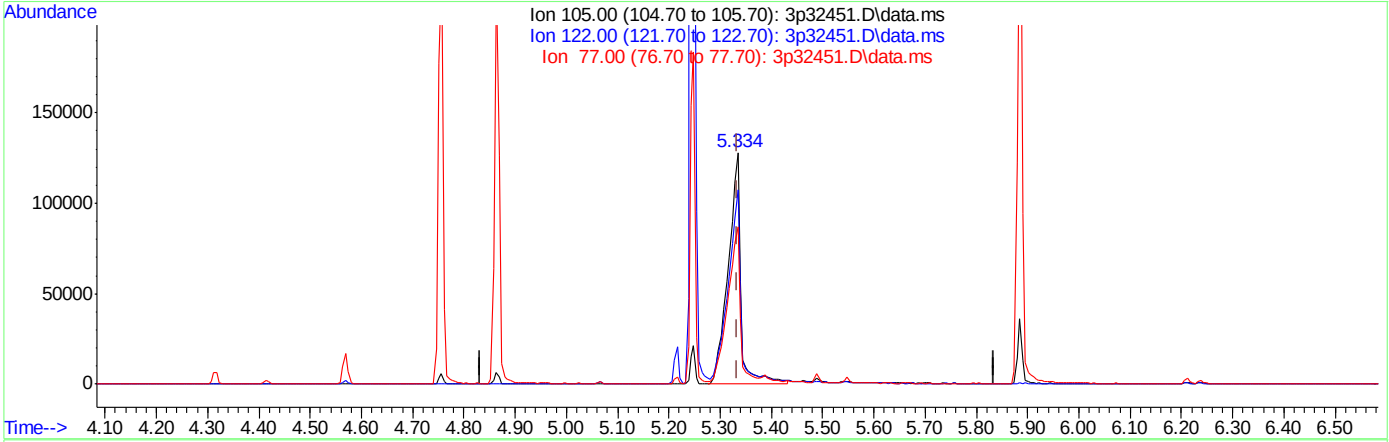
response 211134

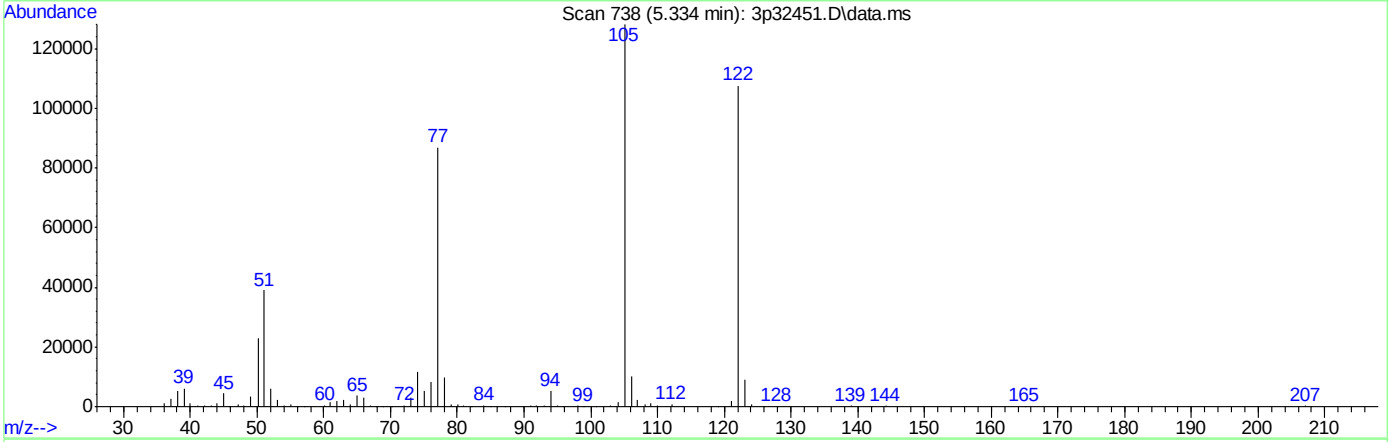
Ion	Exp%	Act%
105.00	100	100
122.00	85.80	81.87
77.00	70.30	67.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op75000,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 08:29:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32451.D\data.ms

(31) Benzoic acid (t)

5.334min (+0.000) 41.24ppb m

response 221578

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	83.93
77.00	70.30	67.87
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	307848	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1028614	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	568685	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	927960	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	896171	40.00	ppb	0.00
91) Perylene-d12	16.898	264	772021	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	307848	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	568685	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	896171	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1028614	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	927960	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.414	79	409601	35.72	ppb	99
4) N-Nitrosodimethylamine	2.382	42	154050	37.05	ppb	99
11) bis(2-Chloroethyl)ether	4.371	93	386062	46.03	ppb	95
14) 1,3-Dichlorobenzene	4.527	146	557932	43.76	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	551030	43.48	ppb	99
16) Benzyl alcohol	4.671	108	276782	45.25	ppb	98
17) 1,2-Dichlorobenzene	4.692	146	508460	43.27	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	367753	44.29	ppb	99
22) n-Nitroso-di-n-propyla...	4.864	70	251744	46.67	ppb	95
23) Hexachloroethane	4.944	201	184717	45.78	ppb	97
26) Nitrobenzene	4.987	77	380393	42.58	ppb	96
28) Isophorone	5.152	82	652572	43.22	ppb	97
32) bis(2-Chloroethoxy)met...	5.313	93	443454	48.71	ppb	99
36) 1,2,4-Trichlorobenzene	5.452	180	410212	44.77	ppb	100
38) Naphthalene	5.505	128	1190123	44.59	ppb	100
42) Hexachlorobutadiene	5.596	225	218003	45.20	ppb	98
44) 2-Methylnaphthalene	5.997	141	719410	44.83	ppb	98
48) Hexachlorocyclopentadiene	6.126	237	179547	40.78	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

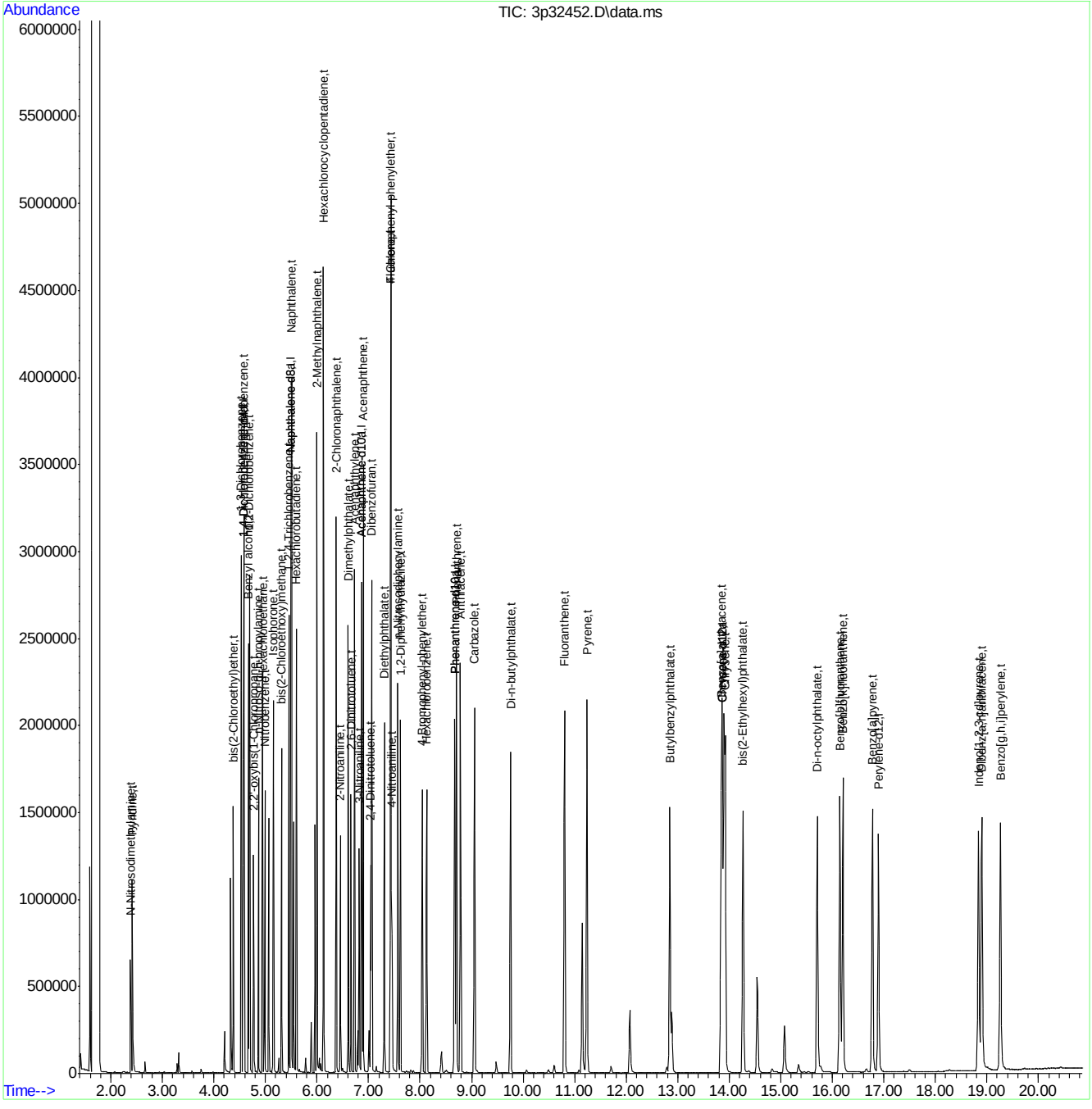
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	2-Chloronaphthalene	6.372	162	754335	44.72	ppb	94
54)	2-Nitroaniline	6.452	65	184175	45.78	ppb	91
55)	Dimethylphthalate	6.607	163	838229	46.06	ppb	99
56)	Acenaphthylene	6.730	152	1050520	38.69	ppb	100
57)	2,6-Dinitrotoluene	6.661	165	168759	45.31	ppb	99
58)	3-Nitroaniline	6.816	138	196544	40.45	ppb	98
59)	Acenaphthene	6.896	153	767933	46.61	ppb	99
62)	Dibenzofuran	7.062	168	1050594	45.16	ppb	97
63)	2,4-Dinitrotoluene	7.046	165	217727	43.26	ppb	99
65)	Diethylphthalate	7.308	149	837534	45.51	ppb	100
66)	Fluorene	7.431	166	856428	45.55	ppb	99
67)	4-Chlorophenyl-phenyle...	7.431	204	389257	46.65	ppb	99
68)	4-Nitroaniline	7.452	138	218649	44.27	ppb	94
71)	n-Nitrosodiphenylamine	7.570	169	577740	46.91	ppb	100
72)	1,2-Diphenylhydrazine	7.618	77	748336	46.00	ppb	95
74)	4-Bromophenyl-phenylether	8.041	248	223168	46.19	ppb	100
75)	Hexachlorobenzene	8.126	284	237852	43.32	ppb	91
77)	Phenanthrene	8.709	178	1188551	45.07	ppb	100
78)	Anthracene	8.784	178	1201527	46.76	ppb	99
79)	Carbazole	9.057	167	1163335	40.72	ppb	100
80)	Di-n-butylphthalate	9.758	149	1483606	46.82	ppb	99
81)	Fluoranthene	10.806	202	1307397	45.14	ppb	99
84)	Pyrene	11.239	202	1349146	45.42	ppb	100
86)	Butylbenzylphthalate	12.849	149	669174	48.16	ppb	99
87)	Benzo[a]anthracene	13.849	228	1114188	44.46	ppb	99
89)	Chrysene	13.924	228	1048694	47.37	ppb	99
90)	bis(2-Ethylhexyl)phtha...	14.266	149	859277	48.34	ppb	99
92)	Di-n-octylphthalate	15.705	149	1501045	49.35	ppb	100
93)	Benzo[b]fluoranthene	16.149	252	1066732	44.71	ppb	99
94)	Benzo[k]fluoranthene	16.208	252	1080868	47.11	ppb	99
95)	Benzo[a]pyrene	16.780	252	991183	47.38	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.840	276	919505	44.88	ppb	99
98)	Dibenz[a,h]anthracene	18.904	278	945741	46.16	ppb	100
100)	Benzo[g,h,i]perylene	19.267	276	998392	47.64	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452A.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 13:51:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

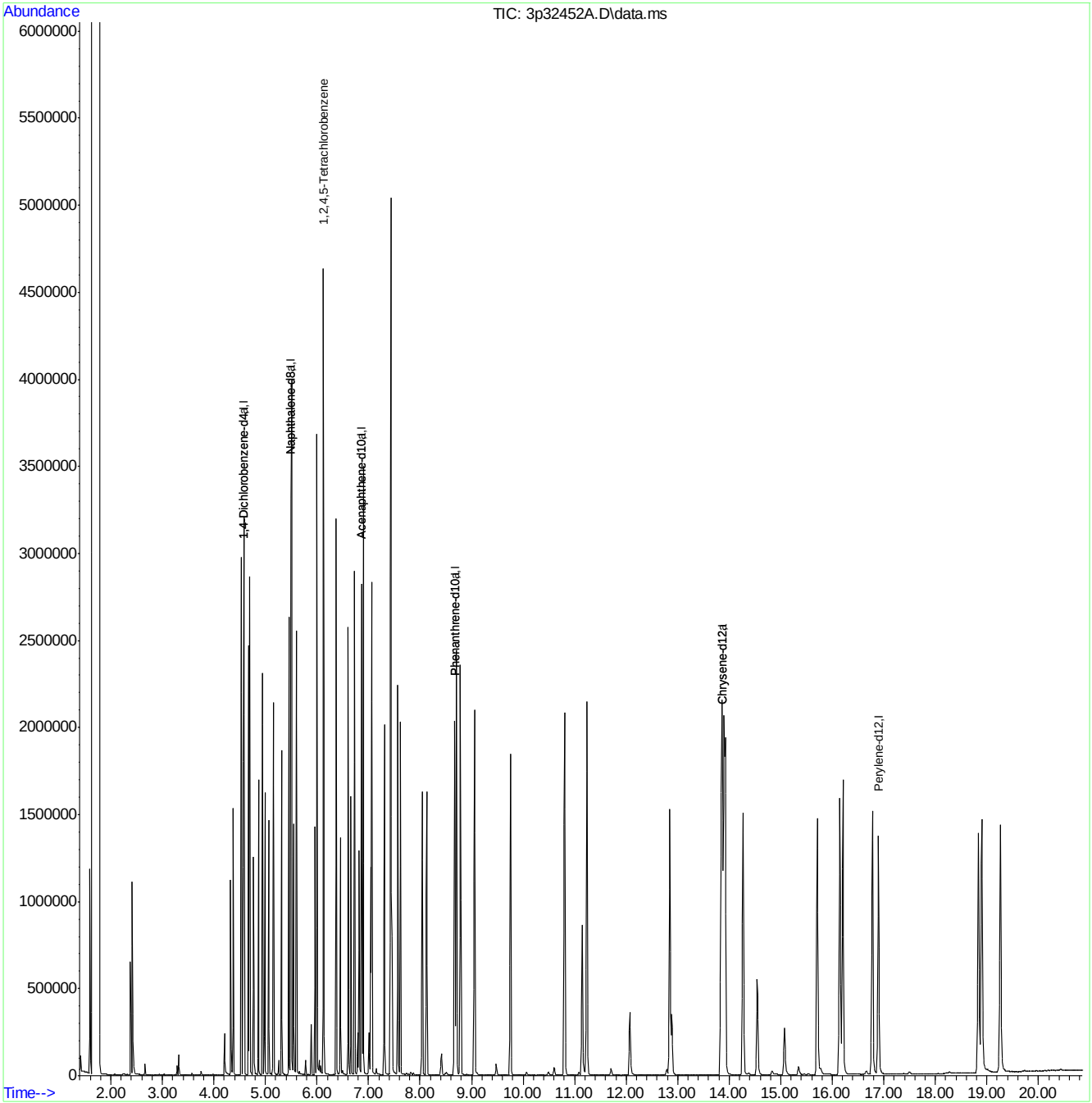
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	307848	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1028614	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	568685	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	927960	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	896171	40.00	ppb	0.00
91) Perylene-d12	16.898	264	772021	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	307848	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	568685	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	896171	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1028614	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	927960	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
106) 1,2,4,5-Tetrachloroben...	6.126	216	422038	51.52	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452A.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 13:51:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:00:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

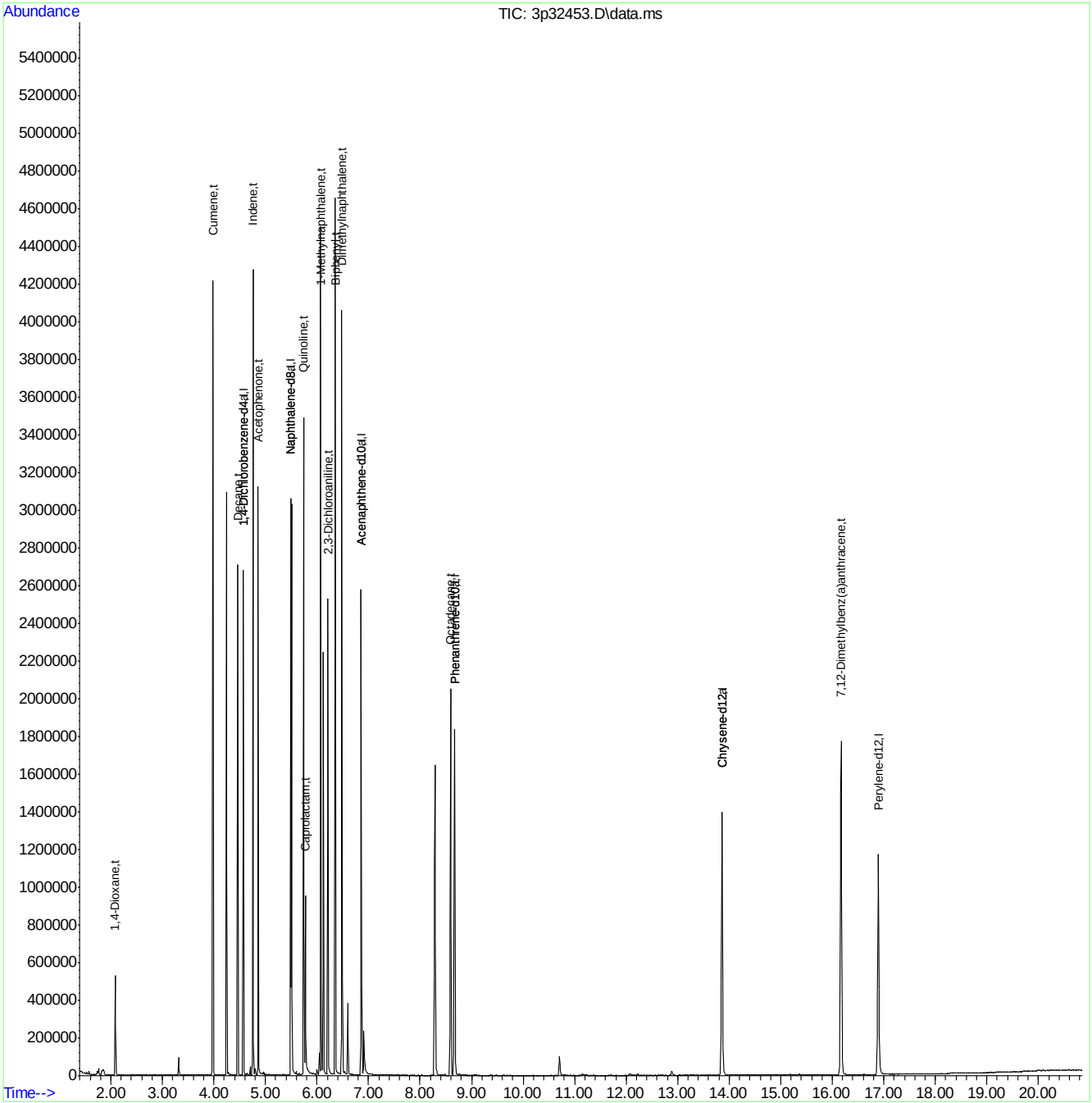
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	797928	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	692048	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	284312	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	521943	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	797928	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1130715	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	836172	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.087	88	214891	50.45	ppb	96
6) Indene	4.756	116	891181	54.03	ppb	99
7) Cumene	3.981	105	1257905	50.07	ppb	99
13) Decane	4.462	43	340918	48.03	ppb	98
18) Acetophenone	4.858	105	651037	50.75	ppb	89
27) Quinoline	5.741	129	943245	43.03	ppb	99
40) 2,3-Dichloroaniline	6.211	161	430584	35.73	ppb	98
41) Caprolactam	5.778	113	131679	40.23	ppb	100
45) 1-Methylnaphthalene	6.072	141	808322	41.66	ppb	100
46) Dimethylnaphthalene	6.484	156	794974	40.86	ppb	97
53) Biphenyl	6.356	154	1115757	50.74	ppb	99
82) Octadecane	8.591	57	478320	52.10	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.170	256	583162	82.12	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:00:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/11/14 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	797928	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	692048	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	284312	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	521943	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	797928	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1130715	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	836172	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	415812m	69.11	ppb	
105) Atrazine	8.292	215	128636	64.23	ppb	96

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

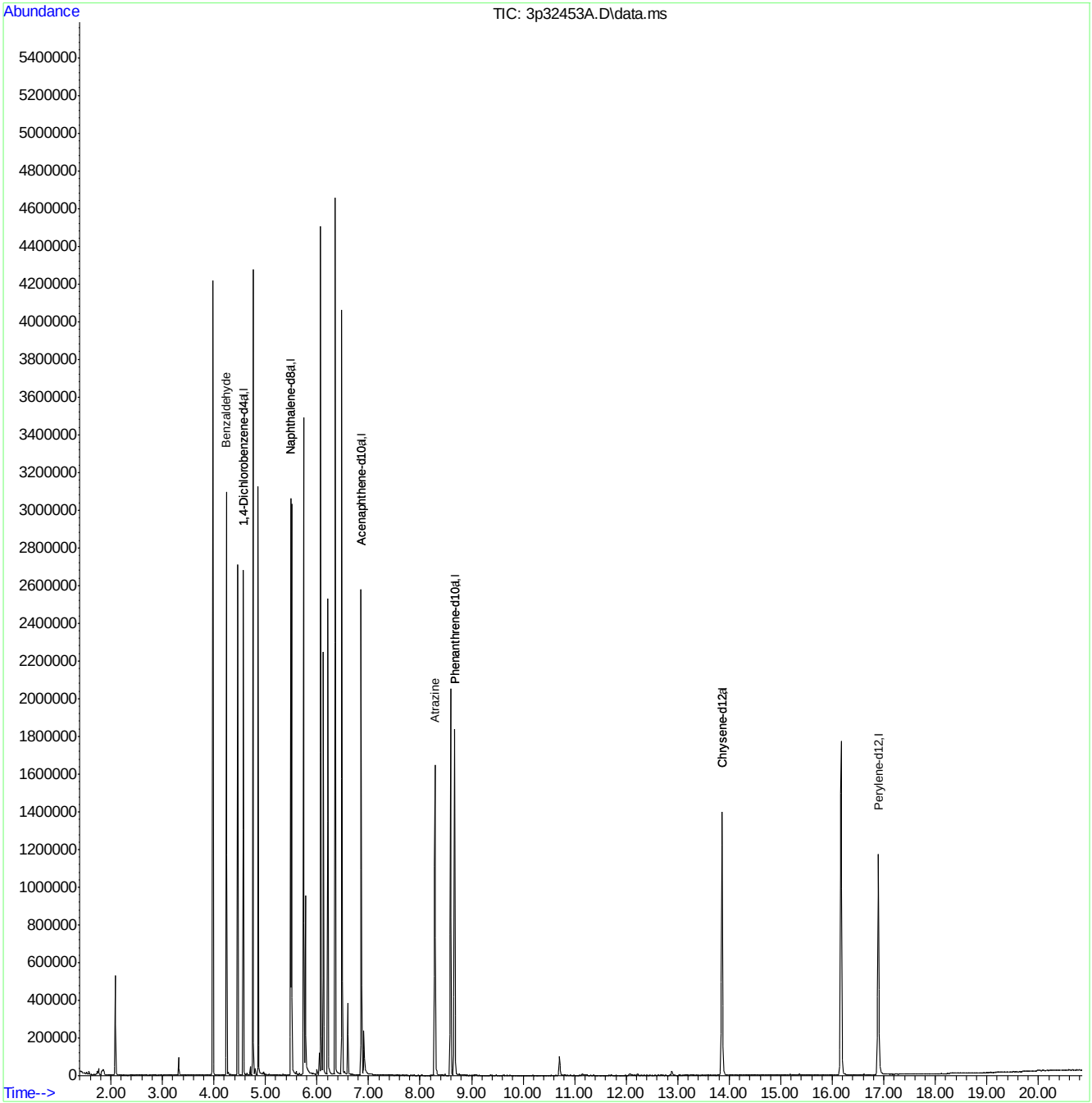
9.6.49

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

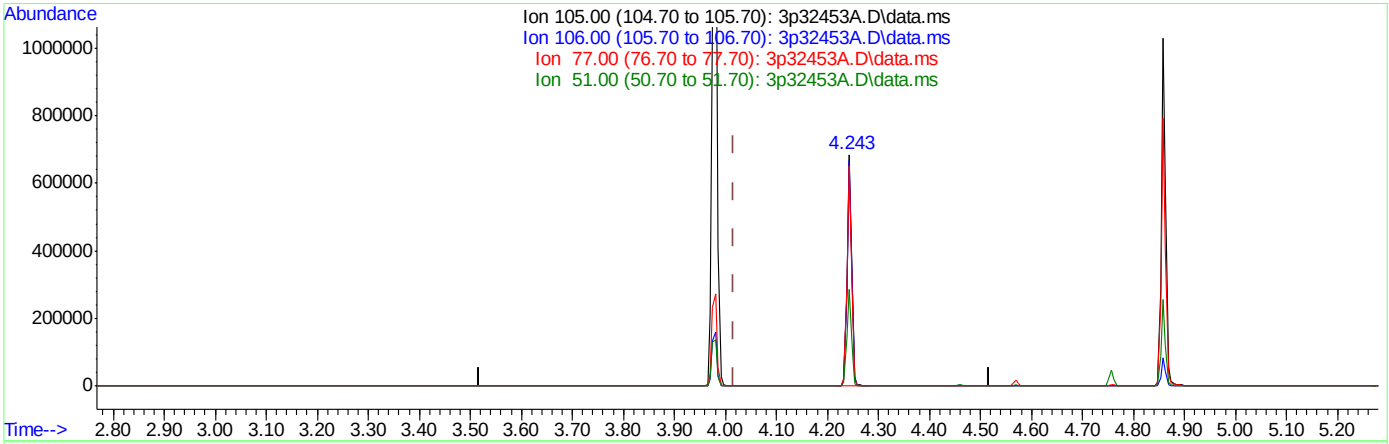
Sample Number:	E3P1390-ICV1390	**Method:**	SW846 8270D
Lab FileID:	3P32453A.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:53	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

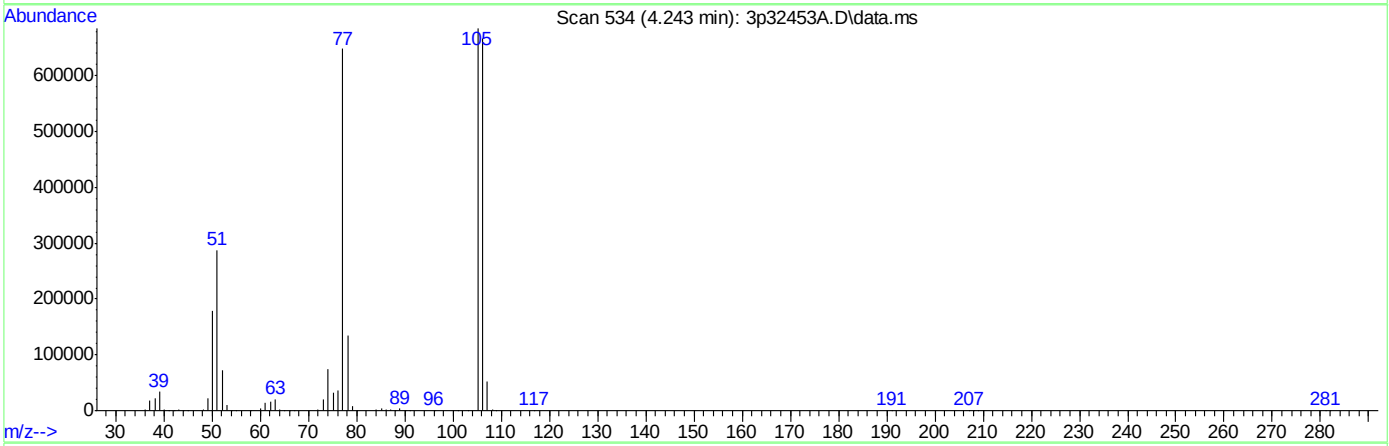
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzaldehyde	100-52-7		4.24	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32453A.D\data.ms

(102) Benzaldehyde

4.243min (+0.225) 69.11ppb m

response 415812

Ion	Exp%	Act%
105.00	100	100
106.00	98.00	97.32
77.00	95.30	94.78
51.00	40.60	42.01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32454.D
Acq On : 6 Jun 2014 11:19 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 08:37:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	356756	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1218578	40.00	ppb	0.00
47) Acenaphthene-d10	6.859	164	661991	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1054586	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	953574	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	852938	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	356756	40.00	ppb	0.00
103) Acenaphthene-d10a	6.859	164	661991	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	953574	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1218578	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1054586	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	475226	40.26	ppb	0.00
Spiked Amount 50.000			Recovery = 80.52%			
8) Phenol-d5	4.302	99	544553	39.62	ppb	0.00
Spiked Amount 50.000			Recovery = 79.24%			
25) Nitrobenzene-d5	4.971	82	455421	45.18	ppb	0.00
Spiked Amount 50.000			Recovery = 90.36%			
51) 2-Fluorobiphenyl	6.276	172	985437	46.78	ppb	0.00
Spiked Amount 50.000			Recovery = 93.56%			
73) 2,4,6-Tribromophenol	7.714	330	113717	42.44	ppb	0.00
Spiked Amount 50.000			Recovery = 84.88%			
85) Terphenyl-d14	11.678	244	921128	49.12	ppb	0.00
Spiked Amount 50.000			Recovery = 98.24%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

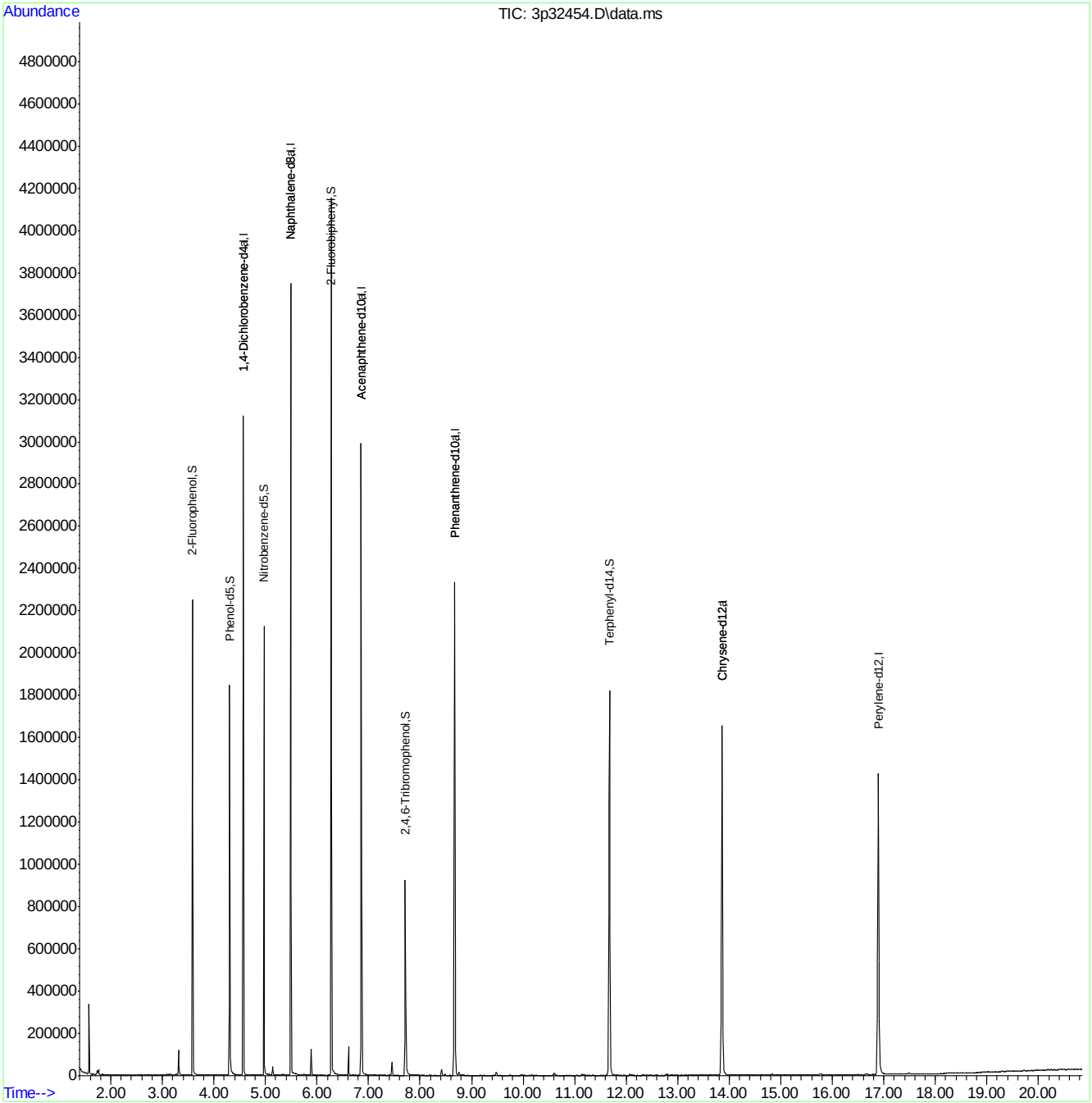
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32454.D
Acq On : 6 Jun 2014 11:19 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 08:37:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32455.D
Acq On : 6 Jun 2014 11:44 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 14:08:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

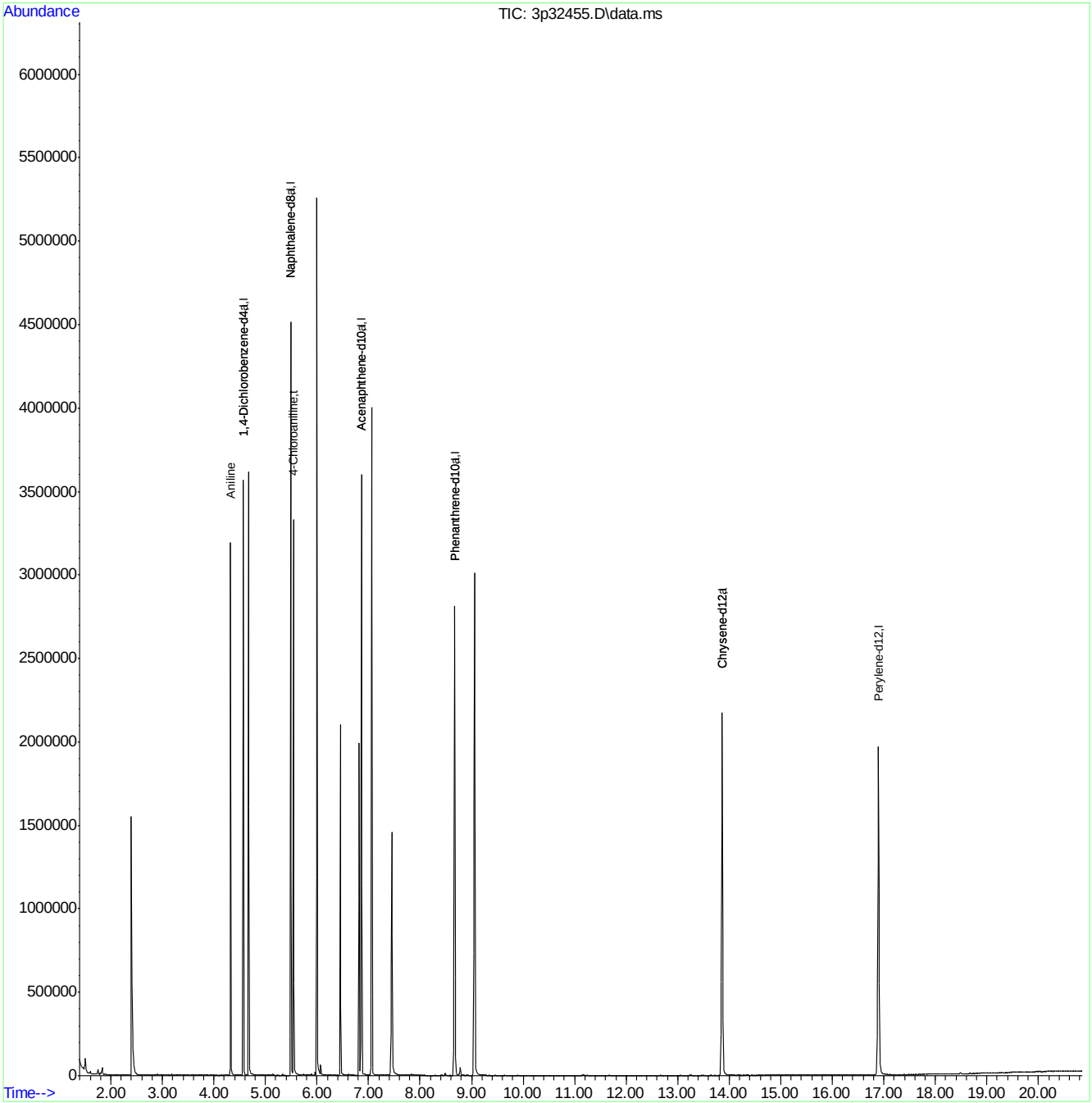
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	413956	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1412415	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	776563	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1253703	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1248487	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1143737	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	413956	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	776563	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1248487	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1412415	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1253703	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.323	93	946874	53.22	ppb	98
39) 4-Chloroaniline	5.543	127	766871	50.00	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32455.D
Acq On : 6 Jun 2014 11:44 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 14:08:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456A.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:10:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

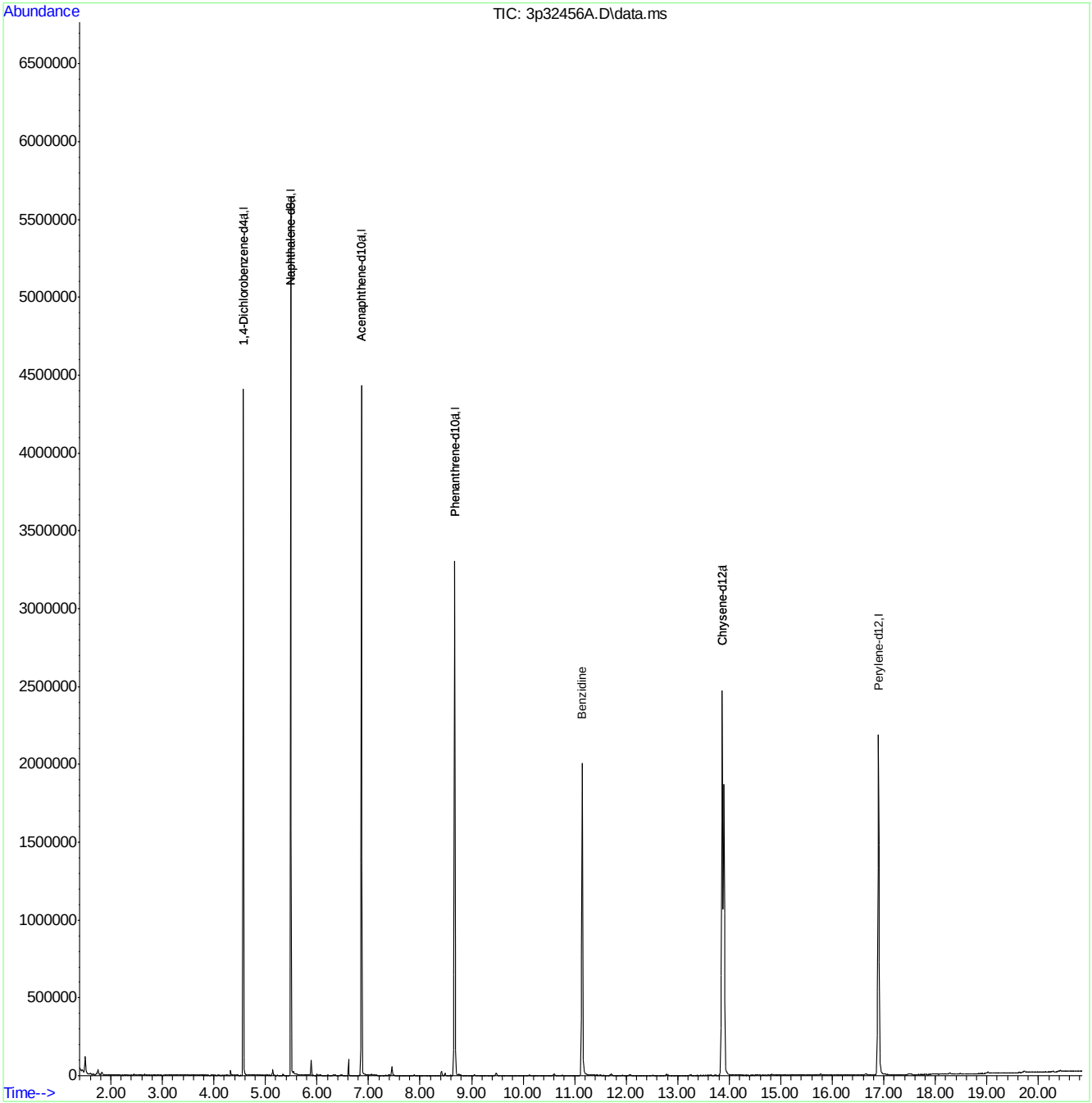
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1392008	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1311218	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	521957	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	948422	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1392008	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1760463	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1486377	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	11.148	184	1217059	68.50	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456A.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:10:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:09:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

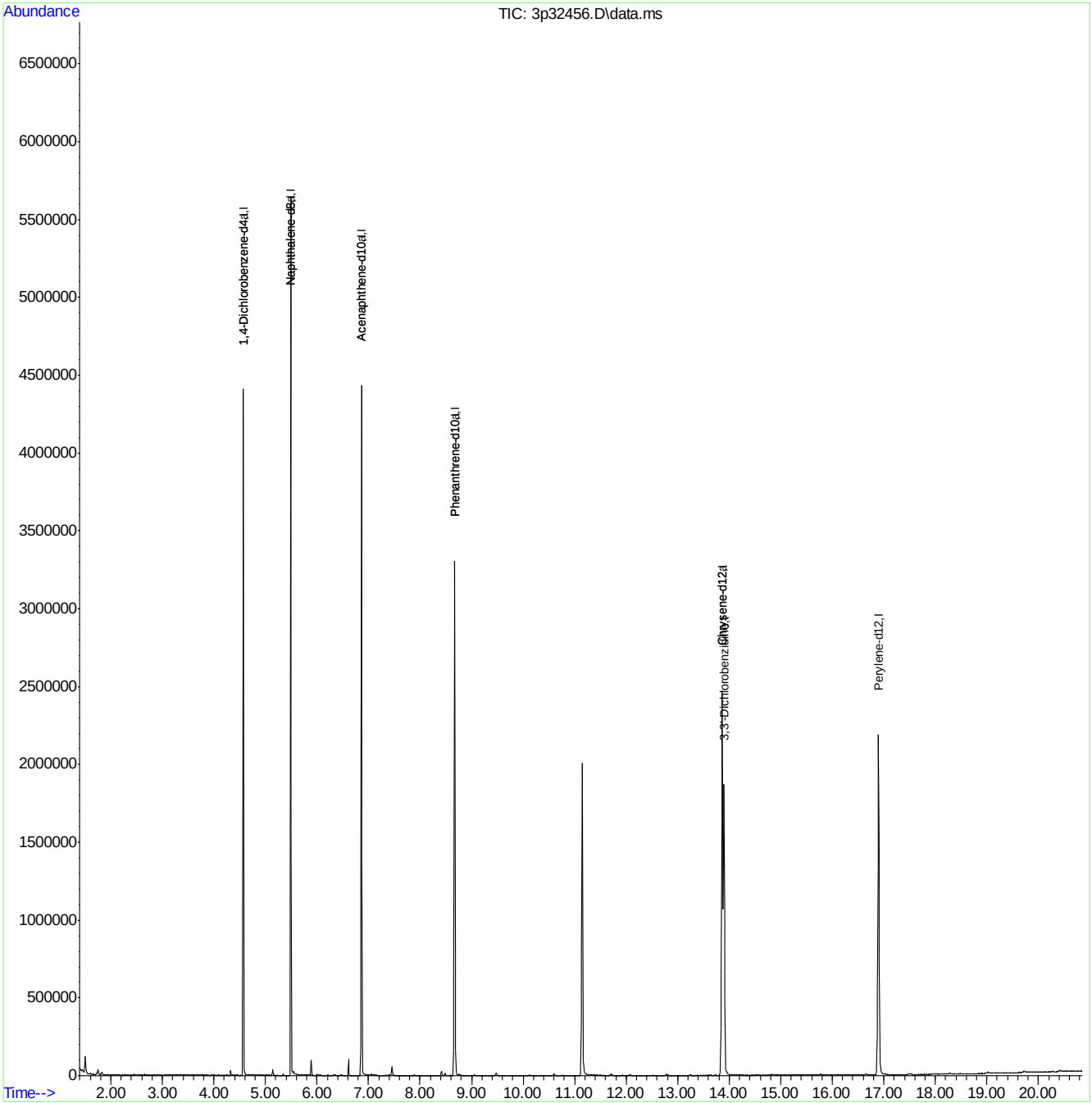
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1392008	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1311218	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	521957	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	948422	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1392008	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1760463	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1486377	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
88) 3,3'-Dichlorobenzidine	13.897	252	654447	46.81	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:09:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32457.D
Acq On : 7 Jun 2014 12:35 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 07 08:39:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

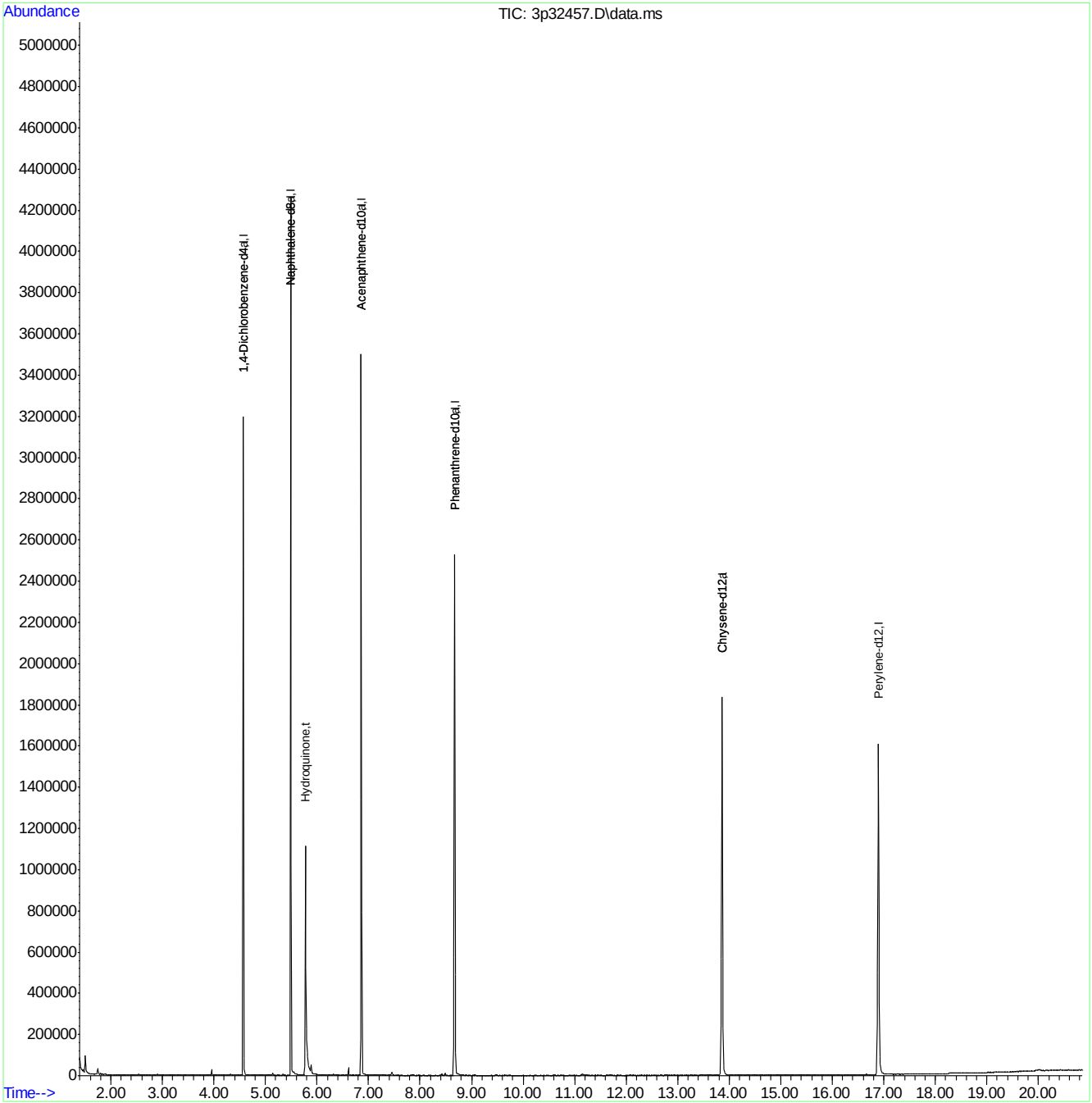
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	394573	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1376575	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	738863	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1159951	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	1062366	40.00	ppb	-0.01
91) Perylene-d12	16.898	264	954147	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	394573	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	738863	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	1062366	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1376575	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1159951	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
110) Hydroquinone	5.773	110	566647	58.64	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32457.D
Acq On : 7 Jun 2014 12:35 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 07 08:39:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32489.D
Acq On : 9 Jun 2014 10:58 am
Operator : samtap
Sample : icv1389-50
Misc : op75409,e3p1392,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:27:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

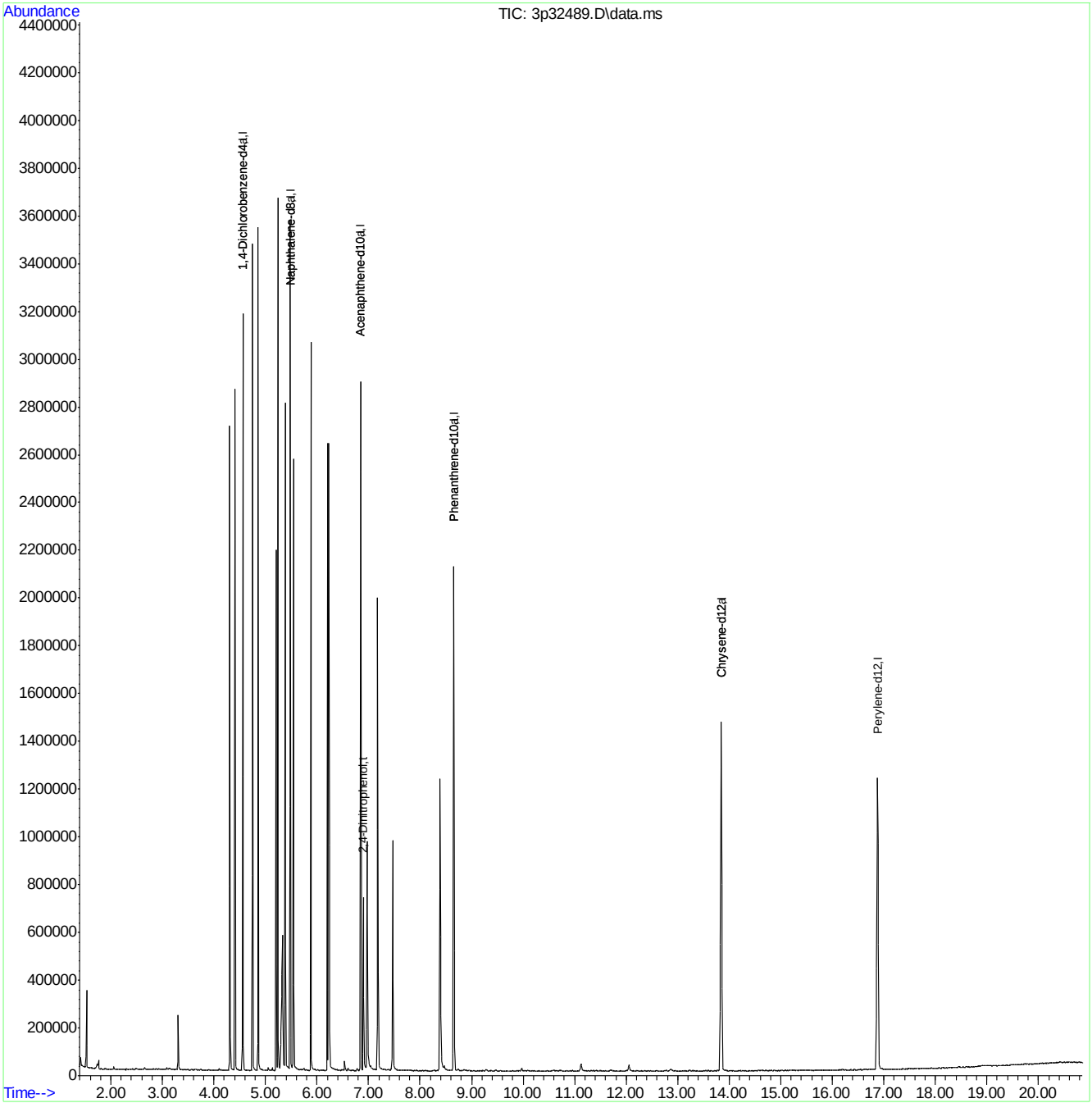
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.559	152	334262	40.00	ppb	-0.01
24) Naphthalene-d8	5.479	136	1081471	40.00	ppb	-0.01
47) Acenaphthene-d10	6.848	164	591879	40.00	ppb	-0.02
69) Phenanthrene-d10	8.656	188	907476	40.00	ppb	-0.02
83) Chrysene-d12	13.844	240	801823	40.00	ppb	-0.03
91) Perylene-d12	16.882	264	716205	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.559	152	334262	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.848	164	591879	40.00	ppb	-0.02
107) Chrysene-d12a	13.844	240	801823	40.00	ppb	-0.03
109) Naphthalene-d8a	5.479	136	1081471	40.00	ppb	-0.01
111) Phenanthrene-d10a	8.656	188	907476	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	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
60) 2,4-Dinitrophenol	6.901	184	85240	54.29	ppb	# 76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32489.D
Acq On : 9 Jun 2014 10:58 am
Operator : samtap
Sample : icv1389-50
Misc : op75409,e3p1392,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:27:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32834.D
Acq On : 17 Jun 2014 9:39 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75312,e3p1406
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 09:48:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jun 17 22:01:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.510	152	219698	40.00	ppb		0.00
24) Naphthalene-d8	5.430	136	760637	40.00	ppb		0.00
47) Acenaphthene-d10	6.789	164	413348	40.00	ppb		0.00
69) Phenanthrene-d10	8.581	188	657323	40.00	ppb		0.00
83) Chrysene-d12	13.774	240	558502	40.00	ppb		0.00
91) Perylene-d12	16.812	264	451586	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.510	152	219698	40.00	ppb		0.00
103) Acenaphthene-d10a	6.789	164	413348	40.00	ppb		0.00
106) Chrysene-d12a	13.774	240	558502	40.00	ppb		0.00
108) Naphthalene-d8a	5.430	136	760637	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.542	112	333433	45.87	ppb		0.00
Spiked Amount 50.000			Recovery = 91.74%				
8) Phenol-d5	4.264	99	405191	47.87	ppb		0.00
Spiked Amount 50.000			Recovery = 95.74%				
25) Nitrobenzene-d5	4.911	82	303125	48.18	ppb		0.00
Spiked Amount 50.000			Recovery = 96.36%				
51) 2-Fluorobiphenyl	6.211	172	610447	46.41	ppb		0.00
Spiked Amount 50.000			Recovery = 92.82%				
73) 2,4,6-Tribromophenol	7.639	330	83215	49.82	ppb		0.00
Spiked Amount 50.000			Recovery = 99.64%				
85) Terphenyl-d14	11.571	244	532987	48.53	ppb		0.00
Spiked Amount 50.000			Recovery = 97.06%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.996	88	131500	39.96	ppb		96
3) Pyridine	2.344	79	280244	34.24	ppb		87
4) N-Nitrosodimethylamine	2.307	42	156730	52.81	ppb		79
6) Indene	4.698	116	566186	44.42	ppb		98
7) Cumene	3.911	105	834009	42.96	ppb		98
9) Phenol	4.275	94	429341	45.46	ppb		98
10) Aniline	4.270	93	281774	29.84	ppb	#	50
11) bis(2-Chloroethyl)ether	4.318	93	281057	46.96	ppb		100
12) 2-Chlorophenol	4.361	128	364734	45.93	ppb		92
13) Decane	4.393	43	293626	53.53	ppb		84
14) 1,3-Dichlorobenzene	4.468	146	418604	46.01	ppb		100
15) 1,4-Dichlorobenzene	4.521	146	426670	47.18	ppb		99
16) Benzyl alcohol	4.617	108	212341	48.64	ppb		98
17) 1,2-Dichlorobenzene	4.633	146	390014	46.50	ppb		97
18) Acetophenone	4.804	105	426078	42.99	ppb		87
19) 2-Methylphenol	4.714	108	272537	47.25	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.708	45	337400	56.94	ppb		70
21) 3&4-Methylphenol	4.821	108	298108	49.64	ppb		98
22) n-Nitroso-di-n-propyla...	4.804	70	182675	47.45	ppb		91
23) Hexachloroethane	4.874	201	133142	46.24	ppb	#	79
26) Nitrobenzene	4.928	77	316588	47.92	ppb		99
27) Quinoline	5.687	129	591513	40.11	ppb		99
28) Isophorone	5.099	82	514953	46.12	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32834.D
Acq On : 17 Jun 2014 9:39 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75312,e3p1406
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 09:48:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jun 17 22:01:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	5.157	139	193195	51.47	ppb		95
30)	2,4-Dimethylphenol	5.195	107	276877	52.30	ppb		96
31)	Benzoic acid	5.291	105	125040	29.75	ppb		97
32)	bis(2-Chloroethoxy)met...	5.254	93	310008	46.05	ppb		99
33)	2,4-Dichlorophenol	5.339	162	276716	45.87	ppb		98
34)	2,6-Dichlorophenol	5.494	162	263809	46.05	ppb		97
35)	1,3,5-Trichlorobenzene	5.168	180	323542	40.91	ppb		97
36)	1,2,4-Trichlorobenzene	5.393	180	296092	43.70	ppb		98
37)	1,2,3-Trichlorobenzene	5.548	180	291682	40.94	ppb		97
38)	Naphthalene	5.446	128	919587	46.60	ppb		99
39)	4-Chloroaniline	5.489	127	291693	35.31	ppb		99
40)	2,3-Dichloroaniline	6.147	161	337491	41.64	ppb		97
41)	Caprolactam	5.751	113	92827	42.15	ppb		91
42)	Hexachlorobutadiene	5.537	225	156137	43.78	ppb		99
43)	4-Chloro-3-methylphenol	5.847	107	260135	46.28	ppb	#	100
44)	2-Methylnaphthalene	5.938	141	551619	46.49	ppb		99
45)	1-Methylnaphthalene	6.013	141	541868	41.52	ppb		97
46)	Dimethylnaphthalene	6.420	156	540286	41.29	ppb		99
48)	Hexachlorocyclopentadiene	6.056	237	301497	94.22	ppb		99
49)	2,4,6-Trichlorophenol	6.158	196	180659	47.50	ppb		98
50)	2,4,5-Trichlorophenol	6.195	196	191383	45.12	ppb		99
52)	2-Chloronaphthalene	6.307	162	577657	47.11	ppb		95
53)	Biphenyl	6.291	154	749731	43.05	ppb		99
54)	2-Nitroaniline	6.393	65	165911	56.74	ppb		90
55)	Dimethylphthalate	6.537	163	586017	44.31	ppb		99
56)	Acenaphthylene	6.660	152	916412	46.43	ppb		99
57)	2,6-Dinitrotoluene	6.596	165	143614	53.04	ppb		95
58)	3-Nitroaniline	6.751	138	175494	49.69	ppb		99
59)	Acenaphthene	6.821	153	562884	47.01	ppb		99
60)	2,4-Dinitrophenol	6.858	184	145076	105.17	ppb	#	76
61)	4-Nitrophenol	6.944	109	85926	56.17	ppb		89
62)	Dibenzofuran	6.987	168	795131	47.03	ppb		97
63)	2,4-Dinitrotoluene	6.981	165	200715	54.87	ppb		83
64)	2,3,4,6-Tetrachlorophenol	7.126	232	145177	47.71	ppb		98
65)	Diethylphthalate	7.222	149	620715	46.40	ppb		99
66)	Fluorene	7.350	166	637524	46.65	ppb		99
67)	4-Chlorophenyl-phenyle...	7.345	204	278556	45.93	ppb		99
68)	4-Nitroaniline	7.383	138	158131	44.05	ppb		96
70)	4,6-Dinitro-2-methylph...	7.425	198	101960	53.96	ppb		95
71)	n-Nitrosodiphenylamine	7.489	169	414655	47.53	ppb		99
72)	1,2-Diphenylhydrazine	7.532	77	598126	51.90	ppb		93
74)	4-Bromophenyl-phenylether	7.949	248	156302	45.67	ppb		99
75)	Hexachlorobenzene	8.046	284	177469	45.63	ppb		98
76)	Pentachlorophenol	8.329	266	216815	91.28	ppb		97
77)	Phenanthrene	8.618	178	882374	47.24	ppb		100
78)	Anthracene	8.693	178	876613	48.16	ppb		99
79)	Carbazole	8.971	167	881124	43.54	ppb		99
80)	Di-n-butylphthalate	9.645	149	1083211	48.26	ppb		99
81)	Fluoranthene	10.709	202	919662	44.83	ppb		99
82)	Octadecane	8.490	57	384386	53.26	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32834.D
Acq On : 17 Jun 2014 9:39 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75312,e3p1406
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 09:48:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jun 17 22:01:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Pyrene	11.143	202	958650	51.78	ppb	99
86)	Butylbenzylphthalate	12.731	149	463691	53.55	ppb	94
87)	Benzo[a]anthracene	13.753	228	739481	47.35	ppb	99
88)	3,3'-Dichlorobenzidine	13.796	252	260967	46.52	ppb	98
89)	Chrysene	13.828	228	652378	47.28	ppb	99
90)	bis(2-Ethylhexyl)phtha...	14.149	149	622717	56.21	ppb	98
92)	Di-n-octylphthalate	15.587	149	1049072	58.96	ppb	98
93)	Benzo[b]fluoranthene	16.069	252	716091	51.31	ppb	95
94)	Benzo[k]fluoranthene	16.128	252	655327	48.83	ppb	99
95)	Benzo[a]pyrene	16.695	252	609184	49.79	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.764	276	573939	47.90	ppb	94
97)	Dibenz(a,h)acridine	18.395	279	523231	42.63	ppb	72
98)	Dibenz[a,h]anthracene	18.818	278	572015	47.73	ppb	96
99)	7,12-Dimethylbenz(a)an...	16.079	256	316440	68.29	ppb	99
100)	Benzo[g,h,i]perylene	19.192	276	571155	46.60	ppb	98

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

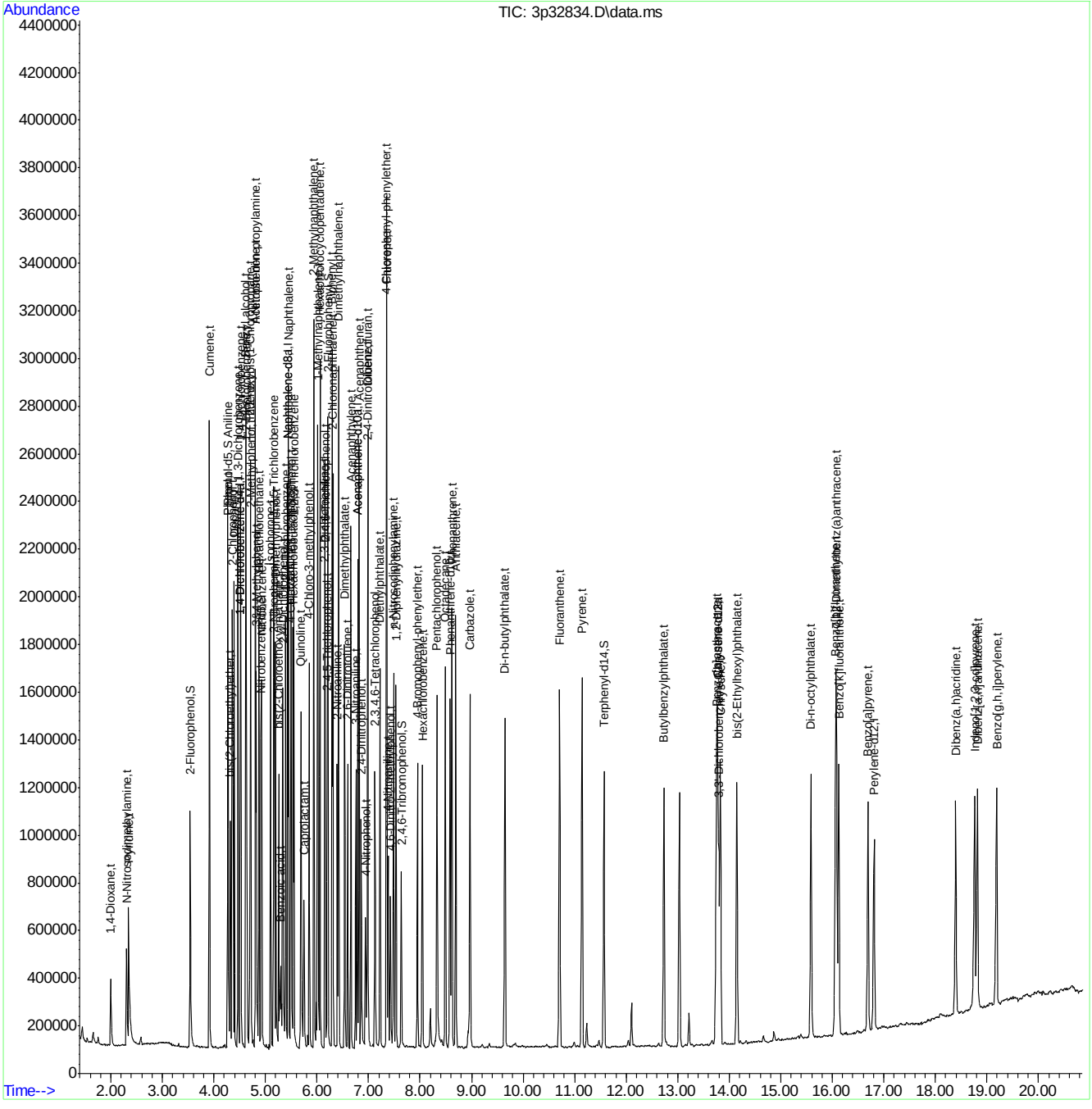
9.6.56

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32834.D
Acq On : 17 Jun 2014 9:39 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75312,e3p1406
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 09:48:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jun 17 22:01:30 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32835a.D
Acq On : 17 Jun 2014 10:06 pm
Operator : ashleyd
Sample : cc1390-50
Misc : op75312,e3p1406
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:44:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

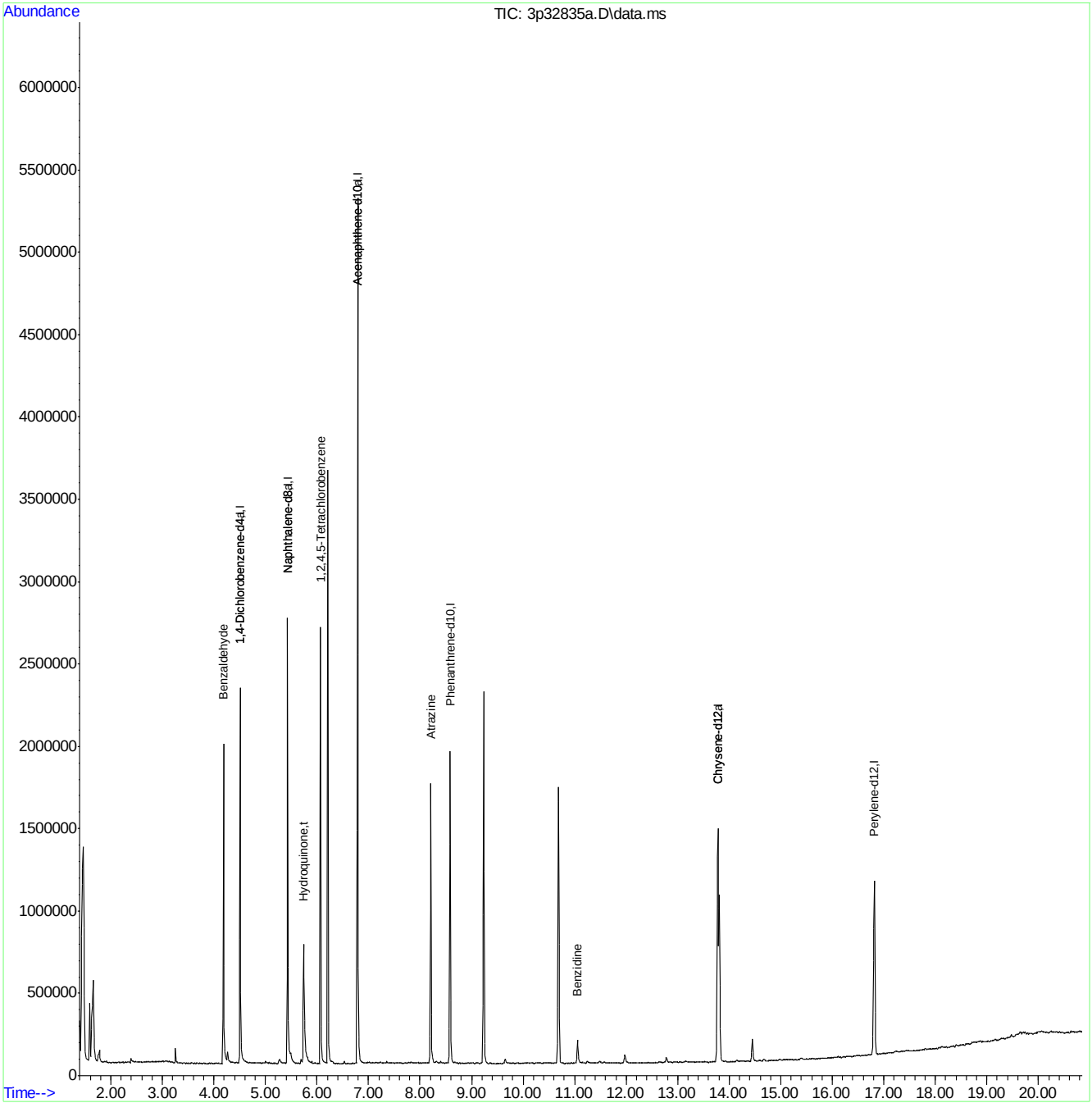
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.505	152	327379	40.00	ppb	-0.06
24) Naphthalene-d8	5.425	136	1187575	40.00	ppb	-0.06
47) Acenaphthene-d10	6.789	164	623294	40.00	ppb	-0.07
69) Phenanthrene-d10	8.581	188	939343	40.00	ppb	-0.09
83) Chrysene-d12	13.780	240	774142	40.00	ppb	-0.09
91) Perylene-d12	16.818	264	634156	40.00	ppb	-0.09
101) 1,4-Dichlorobenzene-d4a	4.505	152	327379	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.789	164	623294	40.00	ppb	-0.08
106) Chrysene-d12a	13.780	240	774142	40.00	ppb	-0.09
108) Naphthalene-d8a	5.425	136	1187575	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.184	105	371506	53.63	ppb	98
104) Atrazine	8.212	215	125904	52.64	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.067	216	445108	49.57	ppb	98
107) Benzidine	11.057	184	99343	10.05	ppb	97
109) Hydroquinone	5.741	110	479487	57.52	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1406\
Data File : 3p32835a.D
Acq On : 17 Jun 2014 10:06 pm
Operator : ashleyd
Sample : cc1390-50
Misc : op75312,e3p1406
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 15:44:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33176.D
Acq On : 26 Jun 2014 9:46 am
Operator : samtap
Sample : icc1417-50
Misc : op75725,e3p1417
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	294772	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	942933	40.00	ppb	0.00
47) Acenaphthene-d10	6.719	164	611812	40.00	ppb	0.00
69) Phenanthrene-d10	8.484	188	1186738	40.00	ppb	0.00
83) Chrysene-d12	13.646	240	1390558	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1170322	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	294772	40.00	ppb	0.00
103) Acenaphthene-d10a	6.719	164	611812	40.00	ppb	0.00
107) Chrysene-d12a	13.646	240	1390558	40.00	ppb	0.00
109) Naphthalene-d8a	5.377	136	942933	40.00	ppb	0.00
111) Phenanthrene-d10a	8.484	188	1186738	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.489	112	400336	49.71	ppb	0.00
Spiked Amount 50.000			Recovery =	99.42%		
8) Phenol-d5	4.216	99	503163	49.71	ppb	0.00
Spiked Amount 50.000			Recovery =	99.42%		
25) Nitrobenzene-d5	4.863	82	396902	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
51) 2-Fluorobiphenyl	6.152	172	897432	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
73) 2,4,6-Tribromophenol	7.554	330	170980	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
85) Terphenyl-d14	11.448	244	1265422	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.916	88	172673	49.71	ppb	100
3) Pyridine	2.269	79	441184	49.71	ppb	100
4) N-Nitrosodimethylamine	2.237	42	235567	49.71	ppb	100
6) Indene	4.639	116	646403	49.71	ppb	100
7) Cumene	3.853	105	1054897	49.71	ppb	100
9) Phenol	4.227	94	569326	49.71	ppb	100
10) Aniline	4.216	93	618629	49.71	ppb	100
11) bis(2-Chloroethyl)ether	4.264	93	351401	49.71	ppb	100
12) 2-Chlorophenol	4.307	128	432353	49.71	ppb	100
13) Decane	4.339	43	347299	49.71	ppb	100
14) 1,3-Dichlorobenzene	4.414	146	512676	49.71	ppb	100
15) 1,4-Dichlorobenzene	4.468	146	504975	49.74	ppb	100
16) Benzyl alcohol	4.569	108	248701	49.71	ppb	100
17) 1,2-Dichlorobenzene	4.580	146	476199	49.71	ppb	100
18) Acetophenone	4.751	105	547925	49.71	ppb	100
19) 2-Methylphenol	4.660	108	340133	49.71	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.655	45	387965	49.71	ppb	100
21) 3&4-Methylphenol	4.773	108	356158	49.71	ppb	100
22) n-Nitroso-di-n-propyla...	4.756	70	260138	49.63	ppb	100
23) Hexachloroethane	4.821	201	217396	49.71	ppb	100
26) Nitrobenzene	4.874	77	409454	50.00	ppb	100
27) Quinoline	5.634	129	718666	50.00	ppb	100
28) Isophorone	5.045	82	676218	50.00	ppb	100
29) 2-Nitrophenol	5.104	139	233449	50.00	ppb	100
30) 2,4-Dimethylphenol	5.147	107	369047	50.00	ppb	100
31) Benzoic acid	5.249	105	270799	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33176.D
Acq On : 26 Jun 2014 9:46 am
Operator : samtap
Sample : icc1417-50
Misc : op75725,e3p1417
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) bis(2-Chloroethoxy)met...	5.200	93	388201	50.00	ppb	100
33) 2,4-Dichlorophenol	5.291	162	362807	50.00	ppb	100
34) 2,6-Dichlorophenol	5.441	162	353904	50.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.109	180	486108	50.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.334	180	442570	50.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.495	180	431304	50.00	ppb	100
38) Naphthalene	5.388	128	1058045	50.00	ppb	100
39) 4-Chloroaniline	5.436	127	474659	50.00	ppb	100
40) 2,3-Dichloroaniline	6.094	161	455913	50.00	ppb	100
41) Caprolactam	5.698	113	109401	50.00	ppb	100
42) Hexachlorobutadiene	5.479	225	283983	50.00	ppb	100
43) 4-Chloro-3-methylphenol	5.799	107	321456	50.00	ppb	100
44) 2-Methylnaphthalene	5.885	141	676611	50.00	ppb	100
45) 1-Methylnaphthalene	5.955	141	672639	50.00	ppb	100
46) Dimethylnaphthalene	6.356	156	736912	50.00	ppb	100
48) Hexachlorocyclopentadiene	5.997	237	438364	100.00	ppb	100
49) 2,4,6-Trichlorophenol	6.104	196	290749	50.00	ppb	100
50) 2,4,5-Trichlorophenol	6.142	196	327721	49.13	ppb	100
52) 2-Chloronaphthalene	6.249	162	793962	50.00	ppb	100
53) Biphenyl	6.227	154	963473	50.00	ppb	100
54) 2-Nitroaniline	6.334	65	227623	50.00	ppb	100
55) Dimethylphthalate	6.473	163	878908	50.00	ppb	100
56) Acenaphthylene	6.591	152	1213917	50.00	ppb	100
57) 2,6-Dinitrotoluene	6.532	165	204679	50.00	ppb	100
58) 3-Nitroaniline	6.687	138	212673	50.00	ppb	100
59) Acenaphthene	6.746	153	735956	50.00	ppb	100
60) 2,4-Dinitrophenol	6.800	184	249542	100.00	ppb	100
61) 4-Nitrophenol	6.891	109	108458	50.00	ppb	100
62) Dibenzofuran	6.912	168	1142225	50.00	ppb	100
63) 2,4-Dinitrotoluene	6.917	165	292829	50.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.051	232	269851	50.00	ppb	100
65) Diethylphthalate	7.147	149	868185	50.00	ppb	100
66) Fluorene	7.270	166	921848	50.00	ppb	100
67) 4-Chlorophenyl-phenyle...	7.265	204	497414	50.00	ppb	100
68) 4-Nitroaniline	7.313	138	201984	50.00	ppb	100
70) 4,6-Dinitro-2-methylph...	7.356	198	178203	50.00	ppb	100
71) n-Nitrosodiphenylamine	7.409	169	601460	50.00	ppb	100
72) 1,2-Diphenylhydrazine	7.452	77	825175	50.00	ppb	100
74) 4-Bromophenyl-phenylether	7.859	248	333825	50.00	ppb	100
75) Hexachlorobenzene	7.955	284	387075	50.00	ppb	100
76) Pentachlorophenol	8.244	266	415979	100.00	ppb	100
77) Phenanthrene	8.522	178	1311026	50.00	ppb	100
78) Anthracene	8.597	178	1370512	50.00	ppb	100
79) Carbazole	8.870	167	1267722	50.00	ppb	100
80) Di-n-butylphthalate	9.538	149	1600184	50.00	ppb	100
81) Fluoranthene	10.592	202	1709005	50.00	ppb	100
82) Octadecane	8.388	57	455480	50.00	ppb	100
84) Pyrene	11.025	202	1723445	50.00	ppb	100
86) Butylbenzylphthalate	12.603	149	728457	50.00	ppb	100
87) Benzo[a]anthracene	13.630	228	1701627	50.00	ppb	100
88) 3,3'-Dichlorobenzidine	13.673	252	639163	50.00	ppb	100
89) Chrysene	13.705	228	1454709	50.00	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.010	149	926444	50.00	ppb	100
92) Di-n-octylphthalate	15.448	149	1659965	50.00	ppb	100
93) Benzo[b]fluoranthene	15.946	252	1696621	50.00	ppb	100
94) Benzo[k]fluoranthene	15.994	252	1524431	50.00	ppb	100
95) Benzo[a]pyrene	16.572	252	1457950	50.00	ppb	100
96) Indeno[1,2,3-cd]pyrene	18.642	276	1299018	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33176.D
Acq On : 26 Jun 2014 9:46 am
Operator : samtap
Sample : icc1417-50
Misc : op75725,e3p1417
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) Dibenz(a,h)acridine	18.272	279	1278697	50.00	ppb	100
98) Dibenz[a,h]anthracene	18.690	278	1333092	50.00	ppb	100
99) 7,12-Dimethylbenz(a)an...	15.946	256	816568	50.00	ppb	100
100) Benzo[g,h,i]perylene	19.069	276	1267991	50.00	ppb	100

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

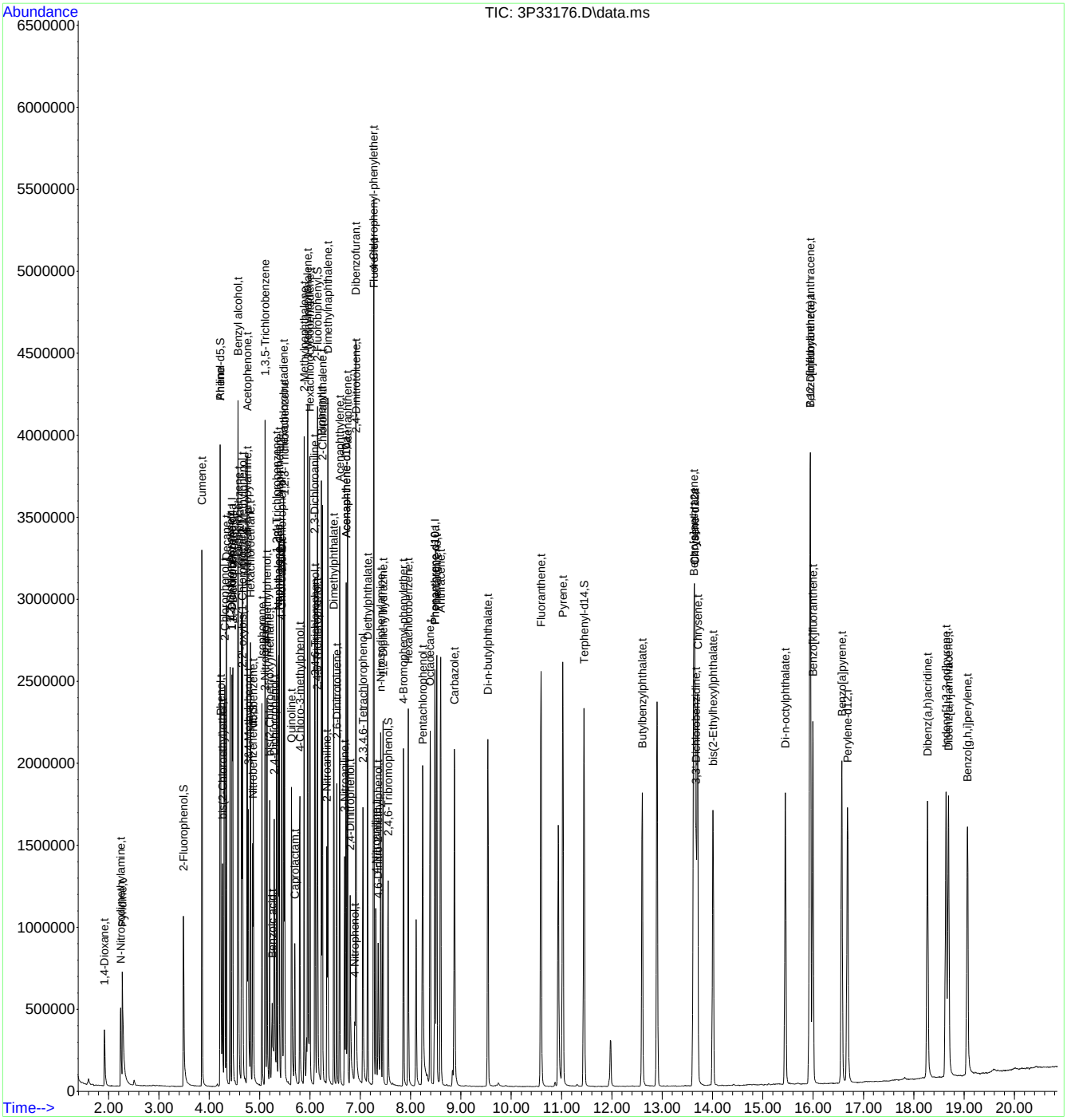
9.6.58

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33176.D
Acq On : 26 Jun 2014 9:46 am
Operator : samtap
Sample : icc1417-50
Misc : op75725,e3p1417
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:05:44 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:09:24 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	268351	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	886140	40.00	ppb	0.00
47) Acenaphthene-d10	6.720	164	586464	40.00	ppb	0.00
69) Phenanthrene-d10	8.485	188	1150329	40.00	ppb	0.00
83) Chrysene-d12	13.657	240	1398606	40.00	ppb	0.01
91) Perylene-d12	16.689	264	1079800	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	268351	40.00	ppb	0.00
103) Acenaphthene-d10a	6.720	164	586464	40.00	ppb	0.00
107) Chrysene-d12a	13.657	240	1398606	40.00	ppb	0.01
109) Naphthalene-d8a	5.377	136	886140	40.00	ppb	0.00
111) Phenanthrene-d10a	8.485	188	1150329	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.484	112	925166	126.19	ppb	0.00
Spiked Amount 50.000			Recovery =	252.38%		
8) Phenol-d5	4.216	99	1153242	125.15	ppb	0.00
Spiked Amount 50.000			Recovery =	250.30%		
25) Nitrobenzene-d5	4.864	82	841196	112.76	ppb	0.00
Spiked Amount 50.000			Recovery =	225.52%		
51) 2-Fluorobiphenyl	6.153	172	1946945	113.16	ppb	0.00
Spiked Amount 50.000			Recovery =	226.32%		
73) 2,4,6-Tribromophenol	7.559	330	410732	123.91	ppb	0.00
Spiked Amount 50.000			Recovery =	247.82%		
85) Terphenyl-d14	11.453	244	3070118	120.61	ppb	0.00
Spiked Amount 50.000			Recovery =	241.22%		
112) o-Terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.906	88	352678	111.53	ppb	98
3) Pyridine	2.259	79	900939	111.51	ppb	98
4) N-Nitrosodimethylamine	2.227	42	499224	115.72	ppb	99
6) Indene	4.639	116	1391468	117.54	ppb	100
7) Cumene	3.853	105	2268442	117.42	ppb	98
9) Phenol	4.227	94	1258666	120.72	ppb	94
10) Aniline	4.216	93	1138553	100.50	ppb	99
11) bis(2-Chloroethyl)ether	4.265	93	744260	115.65	ppb	99
12) 2-Chlorophenol	4.307	128	946234	119.51	ppb	99
13) Decane	4.339	43	691429	108.71	ppb	99
14) 1,3-Dichlorobenzene	4.414	146	1075368	114.53	ppb	99
15) 1,4-Dichlorobenzene	4.468	146	1075875	116.42	ppb	98
16) Benzyl alcohol	4.569	108	572978	125.80	ppb	96
17) 1,2-Dichlorobenzene	4.580	146	1006172	115.38	ppb	100
18) Acetophenone	4.757	105	1195743	119.16	ppb	96
19) 2-Methylphenol	4.660	108	694907	111.56	ppb	96
20) 2,2'-oxybis(1-Chloropr...	4.655	45	793767	111.72	ppb	92
21) 3&4-Methylphenol	4.773	108	761107	116.69	ppb	97
22) n-Nitroso-di-n-propyla...	4.762	70	561346	117.63	ppb	98
23) Hexachloroethane	4.821	201	461030	115.80	ppb	98
26) Nitrobenzene	4.880	77	862563	112.08	ppb	94
27) Quinoline	5.639	129	1642708	121.61	ppb	98
28) Isophorone	5.051	82	1485323	116.86	ppb	98
29) 2-Nitrophenol	5.110	139	535090	121.95	ppb	81
30) 2,4-Dimethylphenol	5.147	107	808786	116.60	ppb	95
31) Benzoic acid	5.281	105	670317m	131.70	ppb	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:09:24 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32)	bis(2-Chloroethoxy)met...	5.201	93	831923	114.02	ppb		99
33)	2,4-Dichlorophenol	5.291	162	812569	119.16	ppb		98
34)	2,6-Dichlorophenol	5.447	162	803866	120.85	ppb		98
35)	1,3,5-Trichlorobenzene	5.115	180	1083535	118.59	ppb		98
36)	1,2,4-Trichlorobenzene	5.340	180	966803	116.23	ppb		98
37)	1,2,3-Trichlorobenzene	5.500	180	953032	117.56	ppb		98
38)	Naphthalene	5.393	128	2341990	117.77	ppb		99
39)	4-Chloroaniline	5.436	127	1007774	112.96	ppb		97
40)	2,3-Dichloroaniline	6.094	161	1041531	121.55	ppb		99
41)	Caprolactam	5.725	113	247487	120.36	ppb		96
42)	Hexachlorobutadiene	5.479	225	621675	116.47	ppb		99
43)	4-Chloro-3-methylphenol	5.805	107	739160	122.34	ppb	#	99
44)	2-Methylnaphthalene	5.885	141	1537535	120.90	ppb		99
45)	1-Methylnaphthalene	5.955	141	1530375	121.05	ppb		100
46)	Dimethylnaphthalene	6.361	156	1644603	118.74	ppb		99
48)	Hexachlorocyclopentadiene	6.003	237	1169745	278.38	ppb		98
49)	2,4,6-Trichlorophenol	6.104	196	675264	121.14	ppb		99
50)	2,4,5-Trichlorophenol	6.142	196	725314	113.43	ppb		100
52)	2-Chloronaphthalene	6.254	162	1757568	115.47	ppb		98
53)	Biphenyl	6.233	154	2237925	121.16	ppb		100
54)	2-Nitroaniline	6.340	65	490480	112.40	ppb		96
55)	Dimethylphthalate	6.479	163	1957432	116.17	ppb		99
56)	Acenaphthylene	6.596	152	2766850	118.89	ppb		99
57)	2,6-Dinitrotoluene	6.538	165	491019	125.13	ppb		99
58)	3-Nitroaniline	6.698	138	496323	121.73	ppb		88
59)	Acenaphthene	6.752	153	1697450	120.31	ppb		97
60)	2,4-Dinitrophenol	6.805	184	666102	278.47	ppb		96
61)	4-Nitrophenol	6.885	109	274224	131.88	ppb		99
62)	Dibenzofuran	6.917	168	2597793	118.63	ppb		95
63)	2,4-Dinitrotoluene	6.923	165	687338	122.43	ppb		88
64)	2,3,4,6-Tetrachlorophenol	7.056	232	667440	129.01	ppb		98
65)	Diethylphthalate	7.153	149	1989735	119.54	ppb		99
66)	Fluorene	7.276	166	2139703	121.07	ppb		98
67)	4-Chlorophenyl-phenyle...	7.270	204	1145941	120.17	ppb		97
68)	4-Nitroaniline	7.324	138	475588	122.82	ppb		99
70)	4,6-Dinitro-2-methylph...	7.367	198	470128	136.08	ppb		95
71)	n-Nitrosodiphenylamine	7.415	169	1374298	117.86	ppb		99
72)	1,2-Diphenylhydrazine	7.458	77	1841671	115.12	ppb		97
74)	4-Bromophenyl-phenylether	7.864	248	780290	120.57	ppb		97
75)	Hexachlorobenzene	7.960	284	926331	123.45	ppb		95
76)	Pentachlorophenol	8.244	266	1105694	274.22	ppb		99
77)	Phenanthrene	8.527	178	3104742	122.16	ppb		99
78)	Anthracene	8.602	178	3134161	117.96	ppb		99
79)	Carbazole	8.880	167	3051267	124.15	ppb		100
80)	Di-n-butylphthalate	9.544	149	3745881	120.75	ppb		100
81)	Fluoranthene	10.603	202	4185755	126.34	ppb		99
82)	Octadecane	8.394	57	1038402	117.60	ppb		99
84)	Pyrene	11.036	202	4155501	119.86	ppb		99
86)	Butylbenzylphthalate	12.608	149	1763348	120.34	ppb		99
87)	Benzo[a]anthracene	13.635	228	4139401	120.93	ppb		99
88)	3,3'-Dichlorobenzidine	13.683	252	1544721	120.14	ppb		98
89)	Chrysene	13.721	228	3453093	118.00	ppb		99
90)	bis(2-Ethylhexyl)phtha...	14.015	149	2240299	120.21	ppb		98
92)	Di-n-octylphthalate	15.459	149	4141904	135.22	ppb		99
93)	Benzo[b]fluoranthene	15.967	252	4172159	133.26	ppb		100
94)	Benzo[k]fluoranthene	16.015	252	3447378	122.55	ppb		99
95)	Benzo[a]pyrene	16.582	252	3484833	129.53	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.658	276	3248580	135.52	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:09:24 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.289	279	3146983	133.37	ppb	100
98)	Dibenz[a,h]anthracene	18.706	278	3161449	128.52	ppb	99
99)	7,12-Dimethylbenz(a)an...	15.962	256	1947452	129.24	ppb	99
100)	Benzo[g,h,i]perylene	19.086	276	3012666	128.76	ppb	100

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

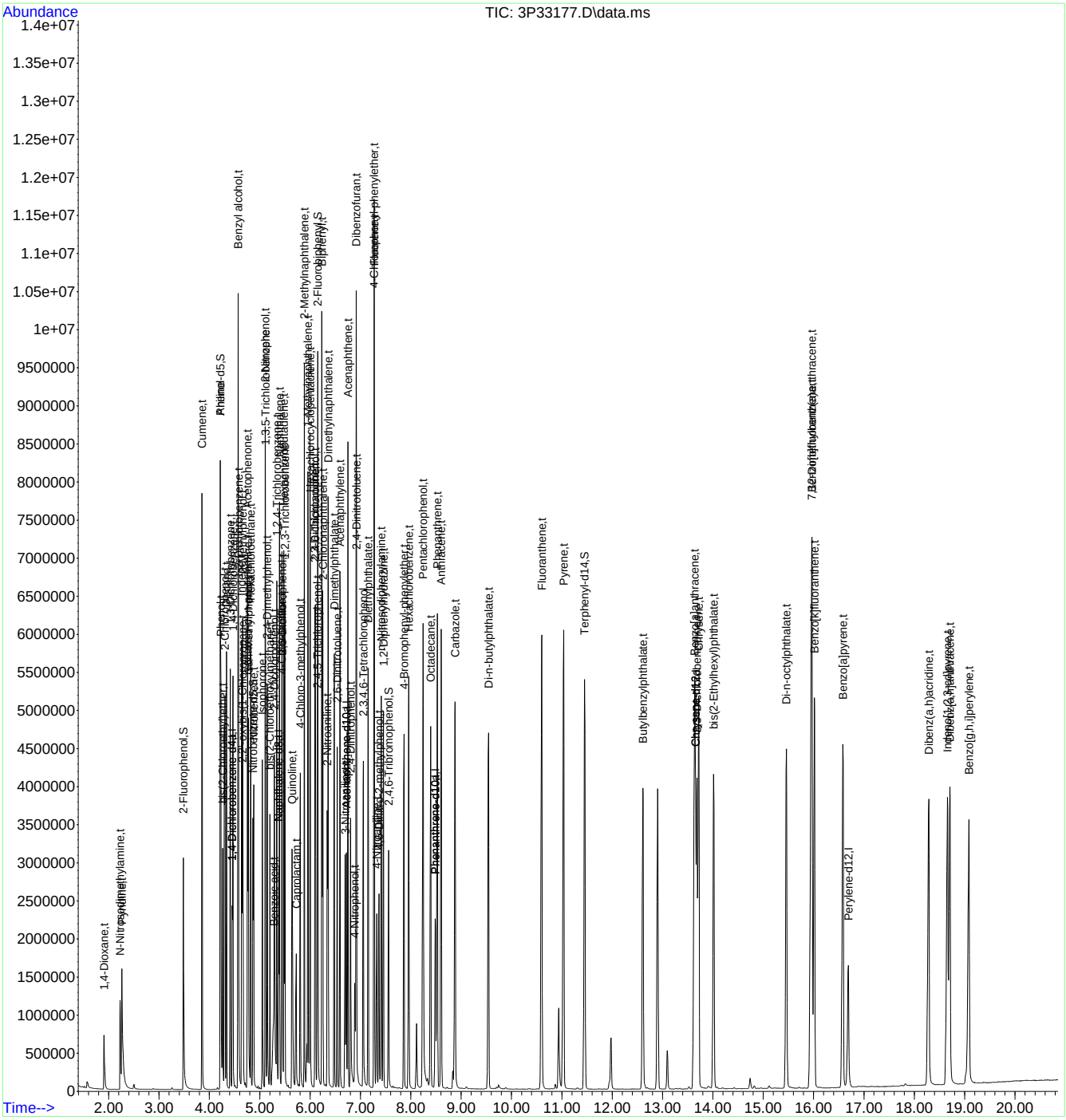
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:09:24 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration



Manual Integration Approval Summary

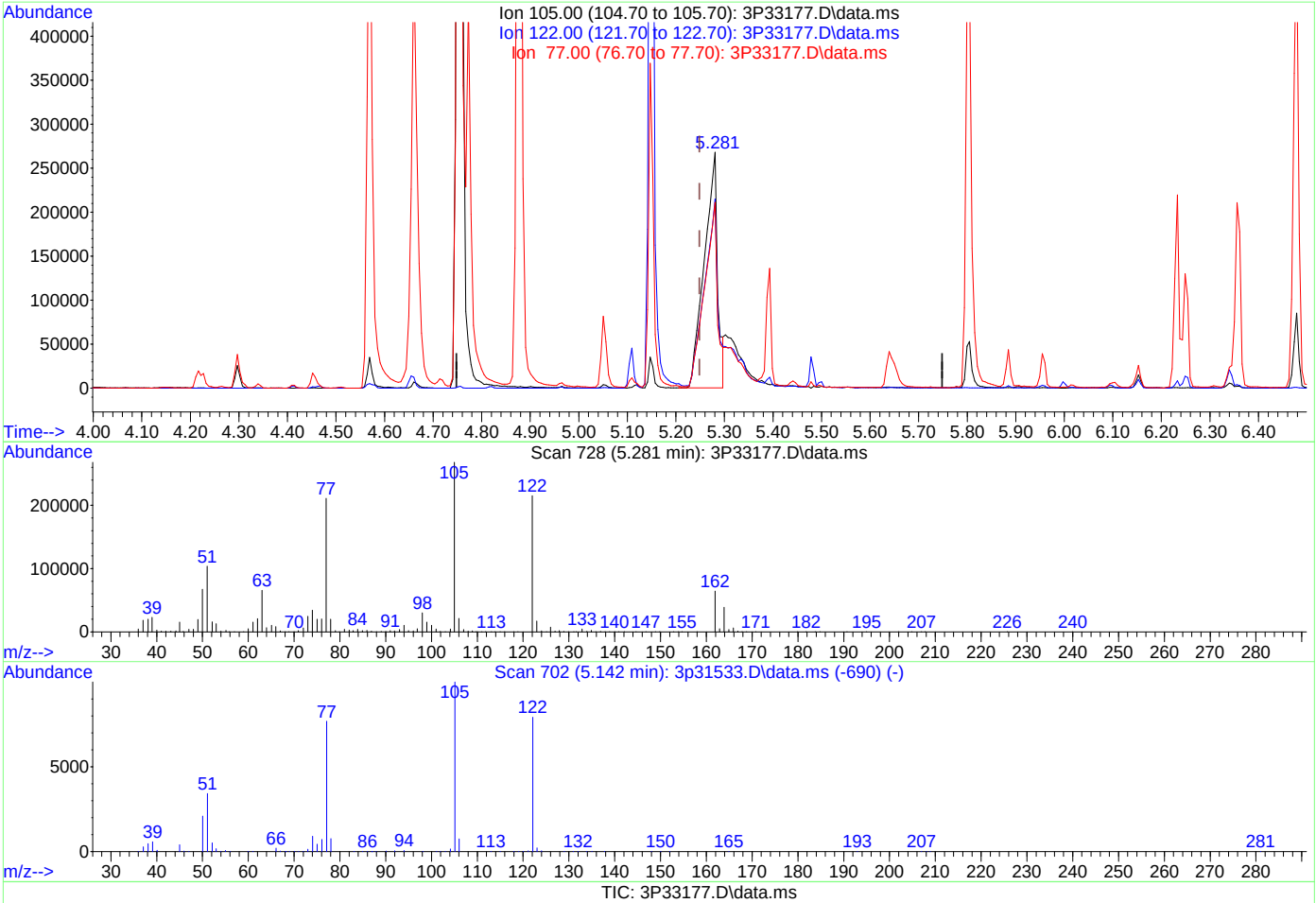
Sample Number:	E3P1417-IC1417	**Method:**	SW846 8270D
Lab FileID:	3P33177.D	**Analyst approved:**	06/27/14 07:07 Samta Patel
Injection Time:	06/26/14 10:20	**Supervisor approved:**	06/27/14 15:17 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.28	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:07:12 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration



TIC: 3P33177.D\data.ms

(31) Benzoic acid (t)

5.281min (+0.032) 100.13ppb

response 509634

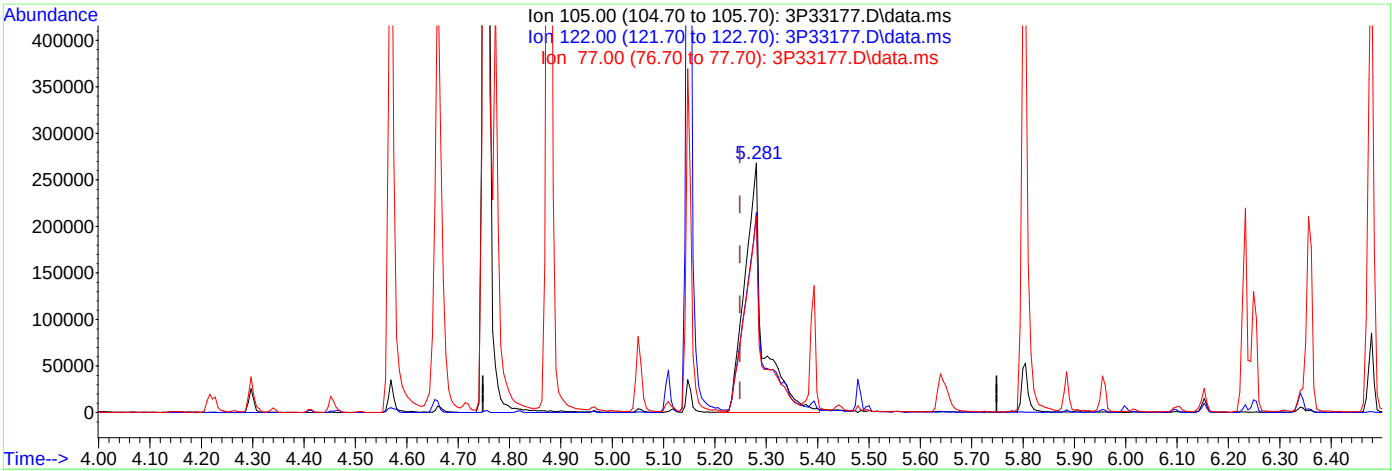
Ion	Exp%	Act%
105.00	100	100
122.00	76.90	78.95
77.00	78.00	78.16
0.00	0.00	0.00

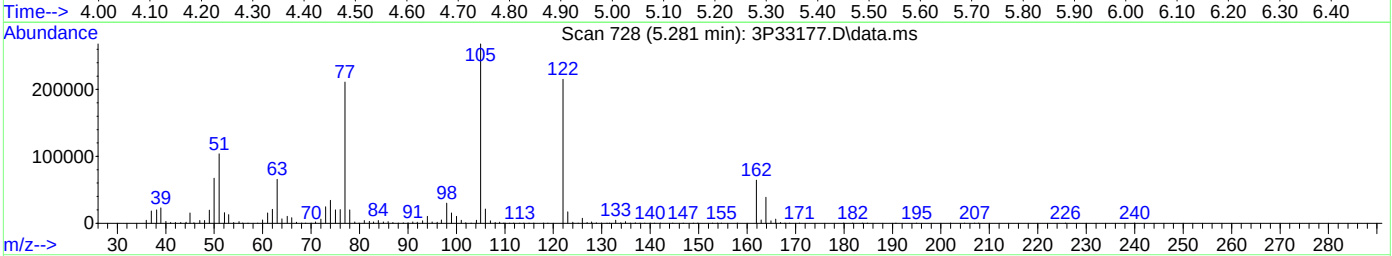
ACCUTEST LABORATORIES JB69123

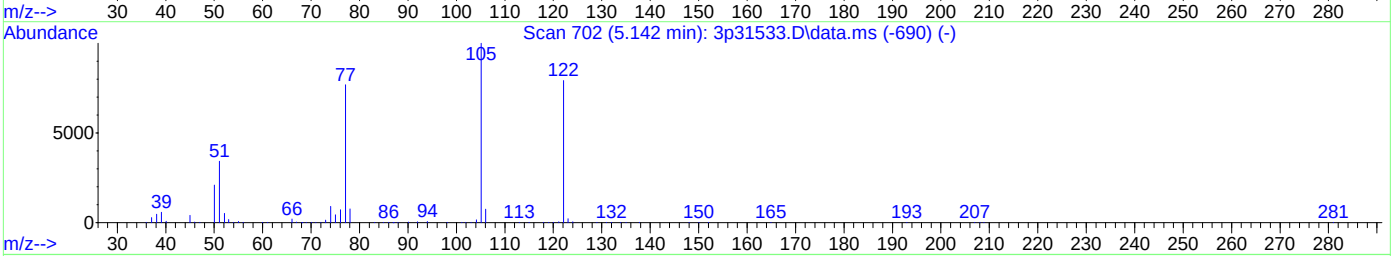
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33177.D
Acq On : 26 Jun 2014 10:20 am
Operator : samtap
Sample : ic1417-100
Misc : op75725,e3p1417
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 11:09:24 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:03:23 2014
Response via : Initial Calibration







TIC: 3P33177.D\data.ms

(31) Benzoic acid (t)

5.281min (+0.032) 131.70ppb m

response 670317

Ion	Exp%	Act%
105.00	100	100
122.00	76.90	80.20
77.00	78.00	78.75
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 16:46:50 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.452	152	362632	40.00	ppb		0.00
24) Naphthalene-d8	5.372	136	1337132	40.00	ppb		0.00
47) Acenaphthene-d10	6.714	164	870229	40.00	ppb		0.00
69) Phenanthrene-d10	8.479	188	1625592	40.00	ppb		0.00
83) Chrysene-d12	13.640	240	1963871	40.00	ppb		0.00
91) Perylene-d12	16.684	264	1705296	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	362632	40.00	ppb		0.00
103) Acenaphthene-d10a	6.714	164	870229	40.00	ppb		0.00
107) Chrysene-d12a	13.640	240	1963871	40.00	ppb		0.00
109) Naphthalene-d8a	5.372	136	1337132	40.00	ppb		0.00
111) Phenanthrene-d10a	8.479	188	1625592	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.521	112	7783m	0.69	ppb		0.03
Spiked Amount 50.000			Recovery	=	1.38%		
8) Phenol-d5	4.238	99	10319	0.74	ppb		0.02
Spiked Amount 50.000			Recovery	=	1.48%		
25) Nitrobenzene-d5	4.869	82	12984	1.08	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.16%		
51) 2-Fluorobiphenyl	6.152	172	31169	1.15	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.30%		
73) 2,4,6-Tribromophenol	7.559	330	4986	0.95	ppb		0.00
Spiked Amount 50.000			Recovery	=	1.90%		
85) Terphenyl-d14	11.448	244	42582	1.08	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.16%		
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.927	88	4181	0.93	ppb		92
3) Pyridine	2.366	79	8485m	0.73	ppb		
4) N-Nitrosodimethylamine	2.280	42	4226m	0.67	ppb		
6) Indene	4.644	116	19641	1.13	ppb		95
7) Cumene	3.852	105	29427	1.04	ppb		96
9) Phenol	4.254	94	13688	0.88	ppb		79
10) Aniline	4.227	93	15284	1.00	ppb		85
11) bis(2-Chloroethyl)ether	4.270	93	8206	0.88	ppb	#	73
12) 2-Chlorophenol	4.318	128	11066	0.94	ppb		97
13) Decane	4.339	43	9464	1.06	ppb		93
14) 1,3-Dichlorobenzene	4.414	146	15174	1.11	ppb		96
15) 1,4-Dichlorobenzene	4.468	146	13657	1.01	ppb		95
16) Benzyl alcohol	4.601	108	4901	0.71	ppb	#	64
17) 1,2-Dichlorobenzene	4.580	146	14054	1.11	ppb		97
18) Acetophenone	4.767	105	13962	0.94	ppb		97
19) 2-Methylphenol	4.676	108	10223	1.15	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.660	45	12391	1.22	ppb		80
21) 3&4-Methylphenol	4.799	108	8151	0.85	ppb		96
22) n-Nitroso-di-n-propyla...	4.756	70	6868	0.98	ppb		95
23) Hexachloroethane	4.821	201	7325	1.26	ppb		99
26) Nitrobenzene	4.885	77	12366	1.00	ppb		82
27) Quinoline	5.644	129	28157	1.25	ppb		96
28) Isophorone	5.045	82	21855	1.05	ppb		96
29) 2-Nitrophenol	5.115	139	5953	0.81	ppb	#	37
30) 2,4-Dimethylphenol	5.163	107	7364	0.65	ppb		82
31) Benzoic acid	5.265	105	954	0.11	ppb	#	20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 16:46:50 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.206	93	11051	0.94	ppb		97
33) 2,4-Dichlorophenol	5.329	162	9963	0.88	ppb		91
34) 2,6-Dichlorophenol	5.452	162	10287	0.93	ppb		90
35) 1,3,5-Trichlorobenzene	5.115	180	15151	1.01	ppb		96
36) 1,2,4-Trichlorobenzene	5.339	180	14475	1.07	ppb		96
37) 1,2,3-Trichlorobenzene	5.500	180	14368	1.08	ppb		97
38) Naphthalene	5.388	128	35155	1.08	ppb		99
39) 4-Chloroaniline	5.452	127	14256	0.99	ppb		91
40) 2,3-Dichloroaniline	6.099	161	15244	1.06	ppb		92
41) Caprolactam	5.687	113	3679	1.08	ppb	#	70
42) Hexachlorobutadiene	5.478	225	9465	1.09	ppb		93
43) 4-Chloro-3-methylphenol	5.810	107	10763	1.06	ppb		99
44) 2-Methylnaphthalene	5.885	141	22275	1.05	ppb		95
45) 1-Methylnaphthalene	5.955	141	24400	1.16	ppb		96
46) Dimethylnaphthalene	6.356	156	25035	1.10	ppb		99
48) Hexachlorocyclopentadiene	5.997	237	1150	0.15	ppb		88
49) 2,4,6-Trichlorophenol	6.110	196	9222	1.01	ppb		93
50) 2,4,5-Trichlorophenol	6.163	196	11031	1.09	ppb		90
52) 2-Chloronaphthalene	6.249	162	27744	1.14	ppb		98
53) Biphenyl	6.233	154	33805	1.12	ppb		97
54) 2-Nitroaniline	6.350	65	7198	1.05	ppb		84
55) Dimethylphthalate	6.473	163	29453	1.09	ppb		99
56) Acenaphthylene	6.591	152	40320	1.07	ppb		97
57) 2,6-Dinitrotoluene	6.532	165	6465	0.99	ppb		96
58) 3-Nitroaniline	6.714	138	7272	1.08	ppb	#	1
59) Acenaphthene	6.746	153	26014	1.13	ppb		99
62) Dibenzofuran	6.917	168	39629	1.12	ppb		96
63) 2,4-Dinitrotoluene	6.928	165	7505	0.81	ppb		86
64) 2,3,4,6-Tetrachlorophenol	7.062	232	9002	1.02	ppb		92
65) Diethylphthalate	7.142	149	30658	1.13	ppb		98
66) Fluorene	7.270	166	32255	1.11	ppb		94
67) 4-Chlorophenyl-phenyle...	7.265	204	16268	1.04	ppb		90
68) 4-Nitroaniline	7.340	138	7058	1.10	ppb		77
70) 4,6-Dinitro-2-methylph...	7.388	198	2130	0.37	ppb		75
71) n-Nitrosodiphenylamine	7.409	169	20517	1.14	ppb		97
72) 1,2-Diphenylhydrazine	7.452	77	28741	1.18	ppb		96
74) 4-Bromophenyl-phenylether	7.859	248	11295	1.12	ppb		96
75) Hexachlorobenzene	7.950	284	13094	1.11	ppb		96
76) Pentachlorophenol	8.270	266	6591	0.98	ppb		90
77) Phenanthrene	8.517	178	48545	1.22	ppb		97
78) Anthracene	8.597	178	44980	1.10	ppb		98
79) Carbazole	8.886	167	43311	1.11	ppb		99
80) Di-n-butylphthalate	9.533	149	50388	1.04	ppb		99
81) Fluoranthene	10.592	202	55319	1.04	ppb		98
82) Octadecane	8.388	57	14320	1.05	ppb		98
84) Pyrene	11.025	202	60013	1.12	ppb		96
86) Butylbenzylphthalate	12.598	149	22718	1.00	ppb		95
87) Benzo[a]anthracene	13.619	228	64477	1.21	ppb		96
88) 3,3'-Dichlorobenzidine	13.689	252	21996	1.11	ppb		84
89) Chrysene	13.694	228	55348	1.24	ppb		99
90) bis(2-Ethylhexyl)phtha...	14.004	149	29806	1.03	ppb		95
92) Di-n-octylphthalate	15.443	149	51050	0.90	ppb		98
93) Benzo[b]fluoranthene	15.935	252	56849	0.99	ppb		94
94) Benzo[k]fluoranthene	15.989	252	60096	1.22	ppb		96
95) Benzo[a]pyrene	16.566	252	52762	1.08	ppb		98
96) Indeno[1,2,3-cd]pyrene	18.641	276	47711m	1.07	ppb		
97) Dibenz(a,h)acridine	18.278	279	46344	1.07	ppb		97
98) Dibenz[a,h]anthracene	18.695	278	50179	1.13	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 16:46:50 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	7,12-Dimethylbenz(a)an...	15.930	256	10848	0.40	ppb	86
100)	Benzo[g,h,i]perylene	19.069	276	50875	1.20	ppb	93

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

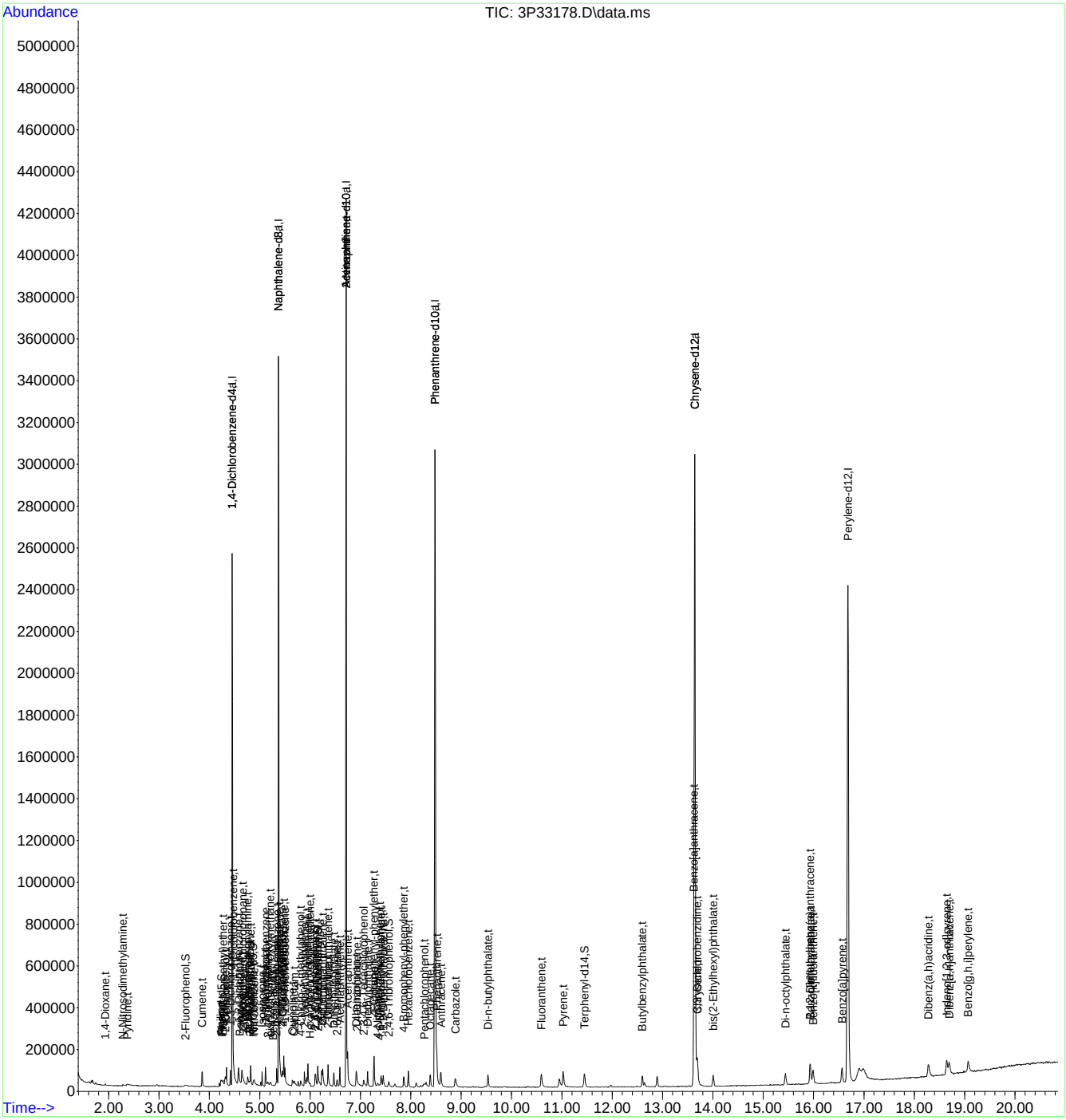
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 16:46:50 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

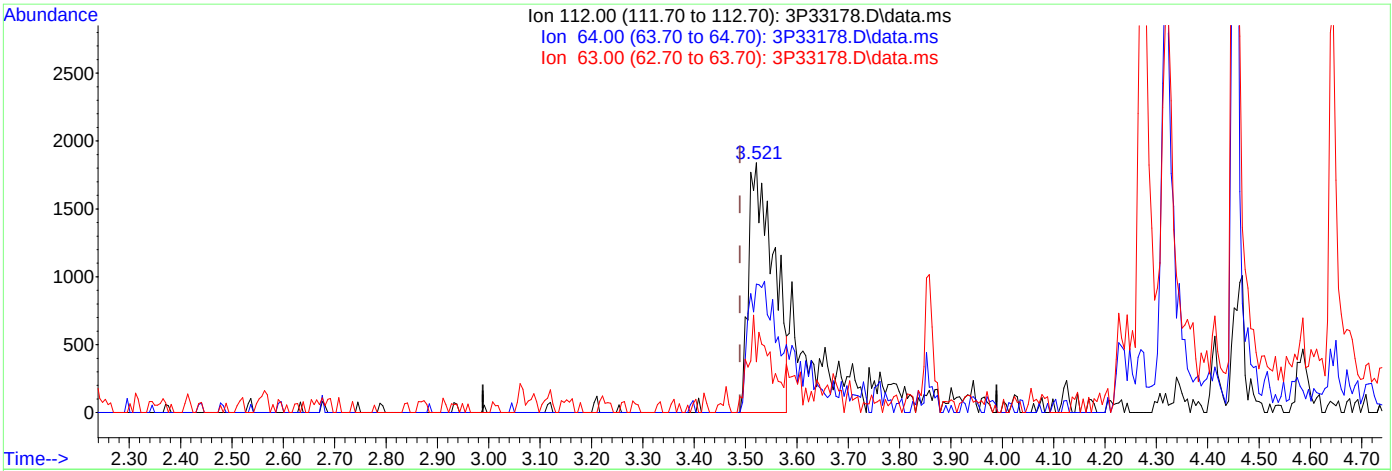
Sample Number: E3P1417-IC1417 **Method:** SW846 8270D
Lab FileID: 3P33178.D **Analyst approved:** 06/27/14 07:07 Samta Patel
Injection Time: 06/26/14 10:45 **Supervisor approved:** 06/27/14 15:17 Nina Pandya

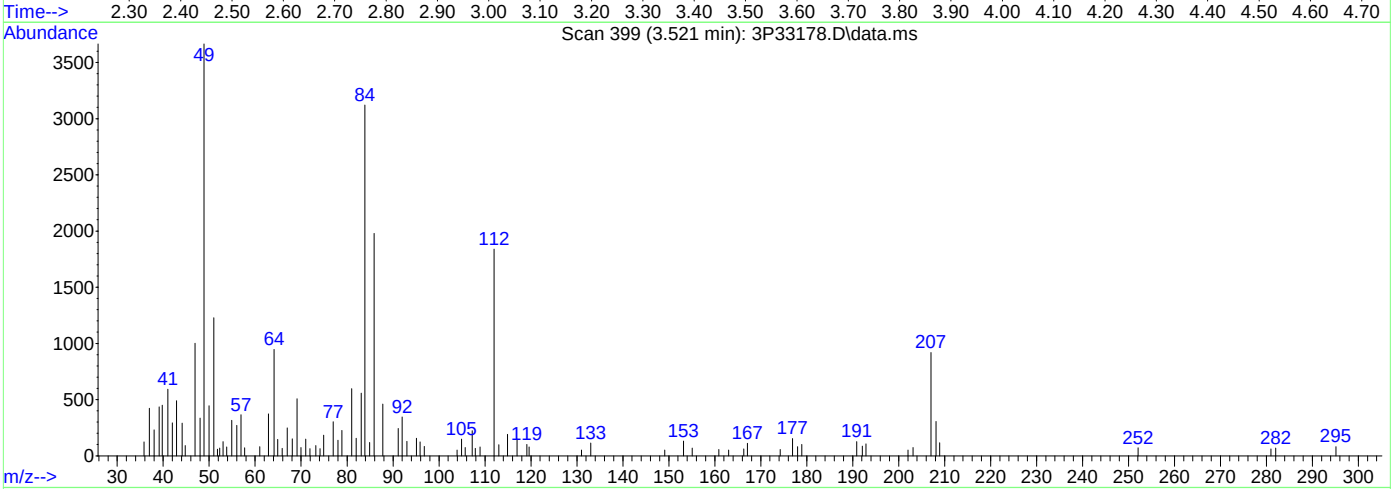
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Nitrosodimethylamine	62-75-9		2.28	Poor instrument integration
Pyridine	110-86-1		2.37	Poor instrument integration
2-Fluorophenol	367-12-4		3.52	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.64	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:18:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration





TIC: 3P33178.D\data.ms

(5) 2-Fluorophenol (S)

3.521min (+0.032) 0.55ppb

response 6185

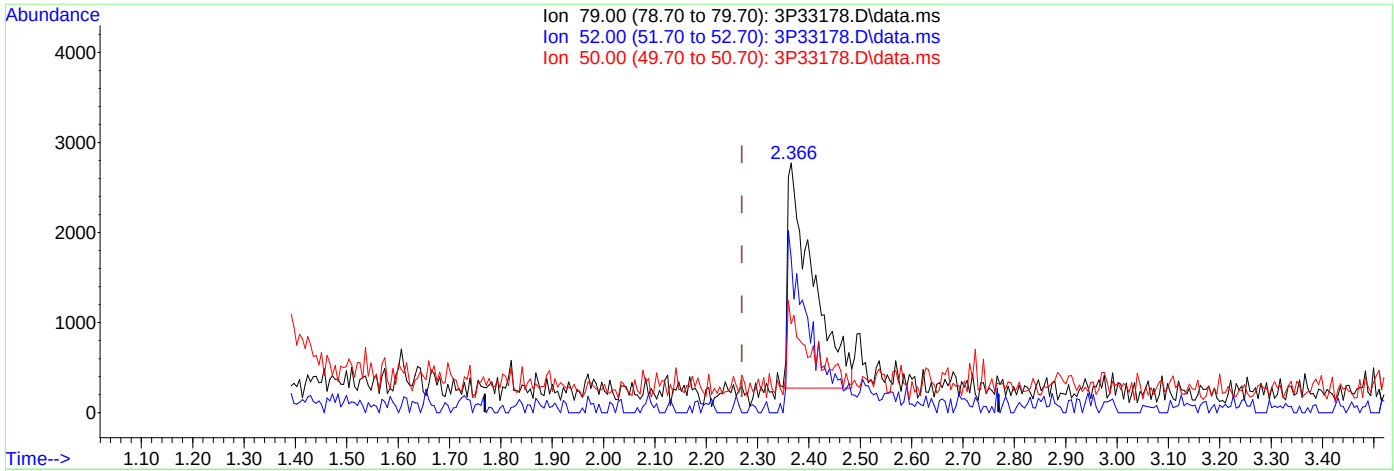
Ion	Exp%	Act%
112.00	100	100
64.00	52.60	45.87
63.00	30.70	12.84
0.00	0.00	0.00

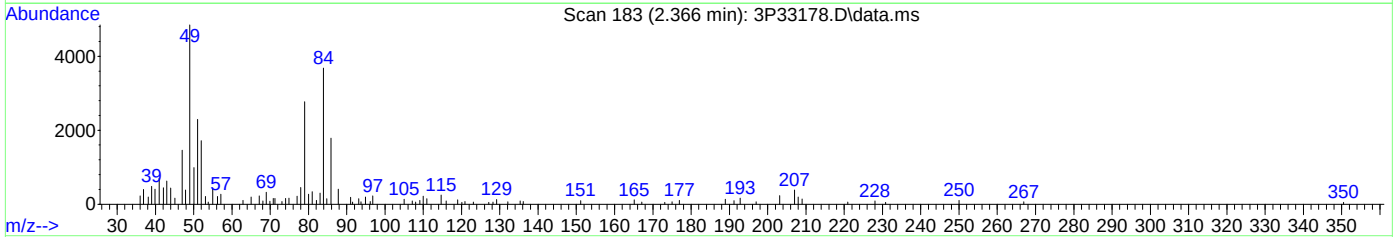
3P33178.D edits: 2-Fluorophenol

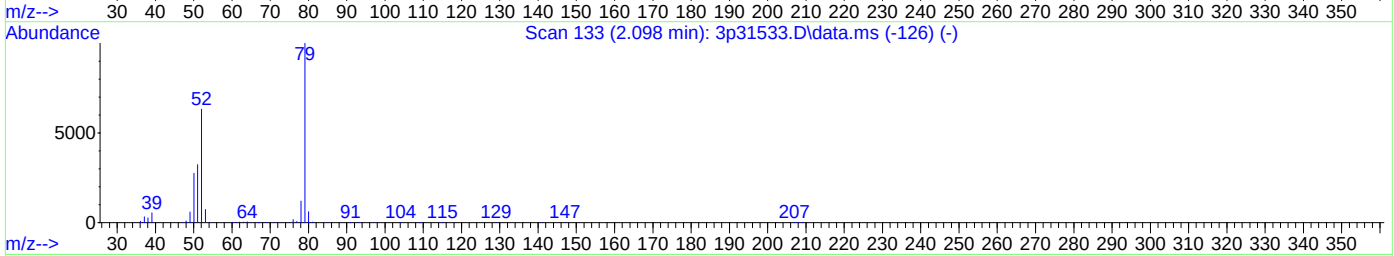
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:23:18 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration







TIC: 3P33178.D\data.ms

(3) Pyridine (t)

2.366min (+0.096) 0.73ppb m

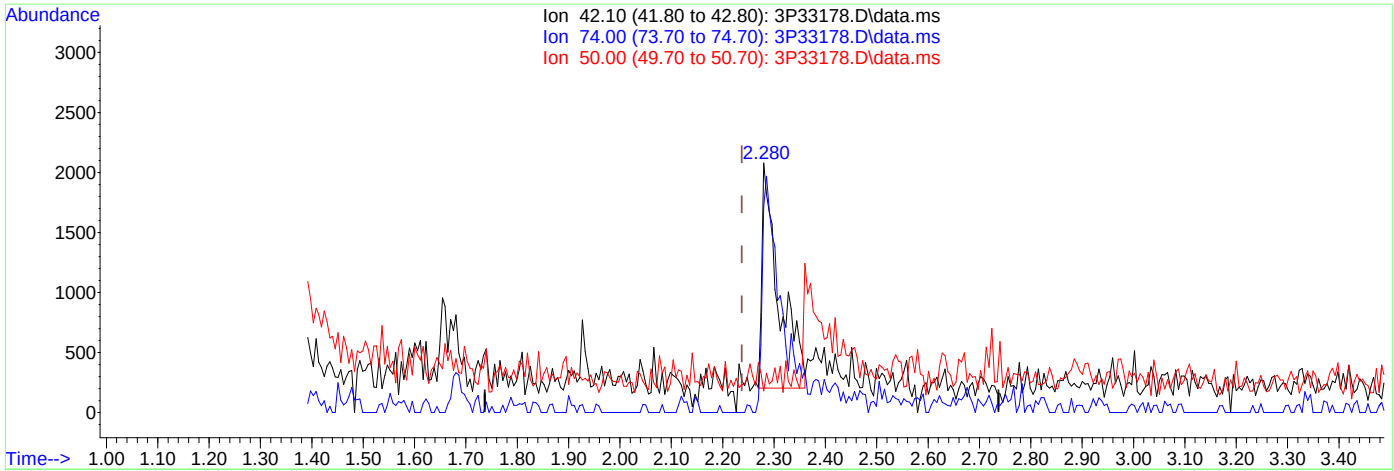
response 8485

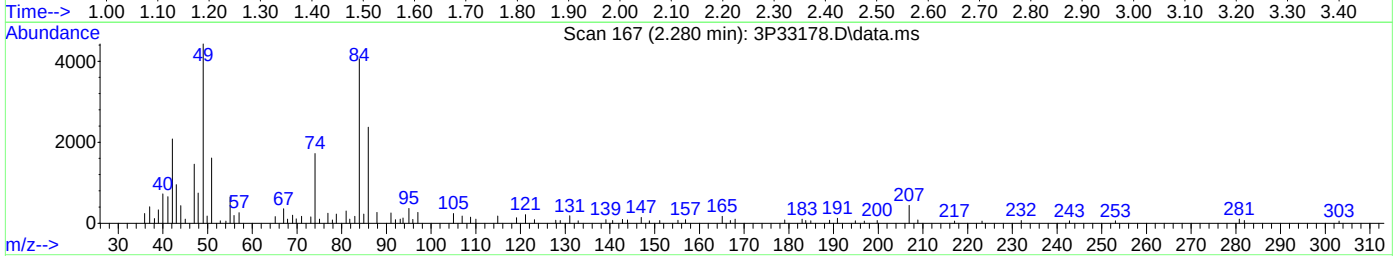
Ion	Exp%	Act%
79.00	100	100
52.00	58.10	61.88
50.00	30.40	35.67
0.00	0.00	0.00

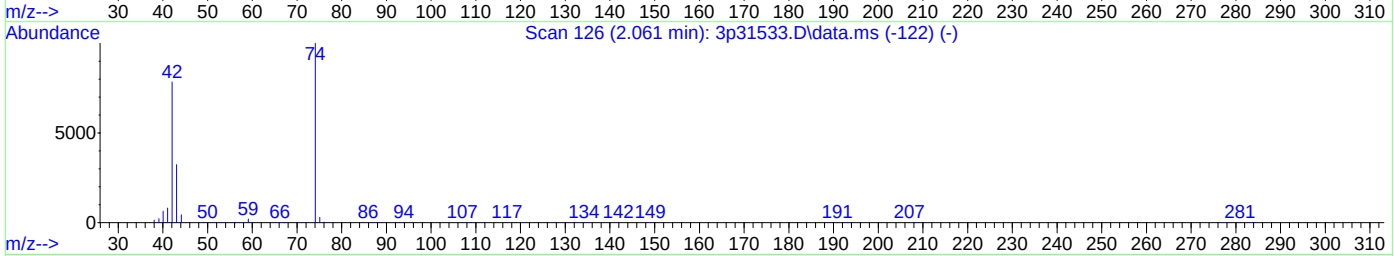
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:23:18 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration







TIC: 3P33178.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.280min (+0.043) 0.67ppb m

response 4226

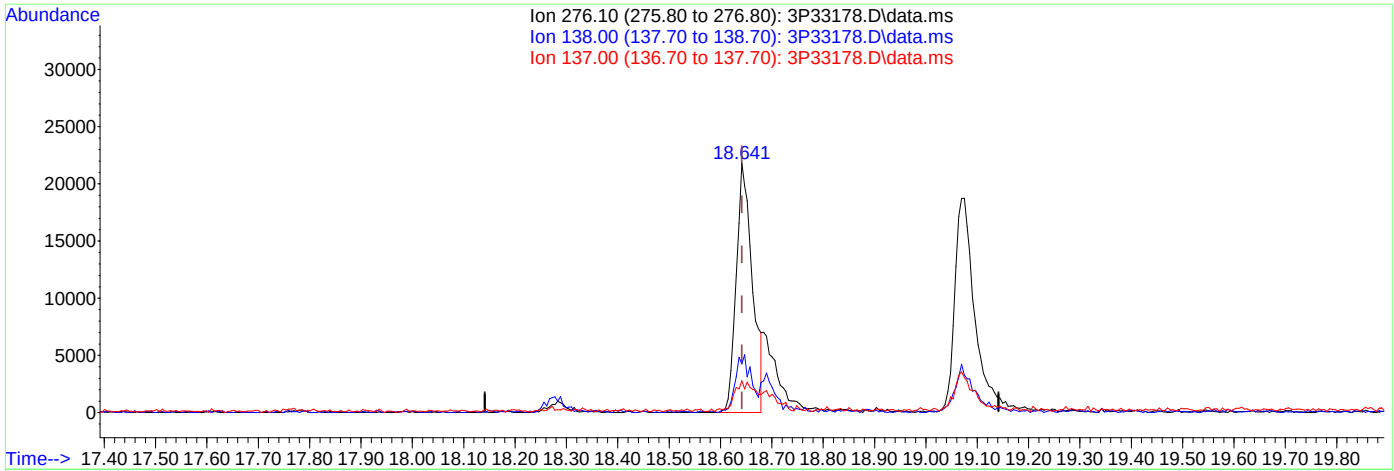
Ion	Exp%	Act%
42.10	100	100
74.00	107.90	82.60
50.00	0.00	8.65
0.00	0.00	0.00

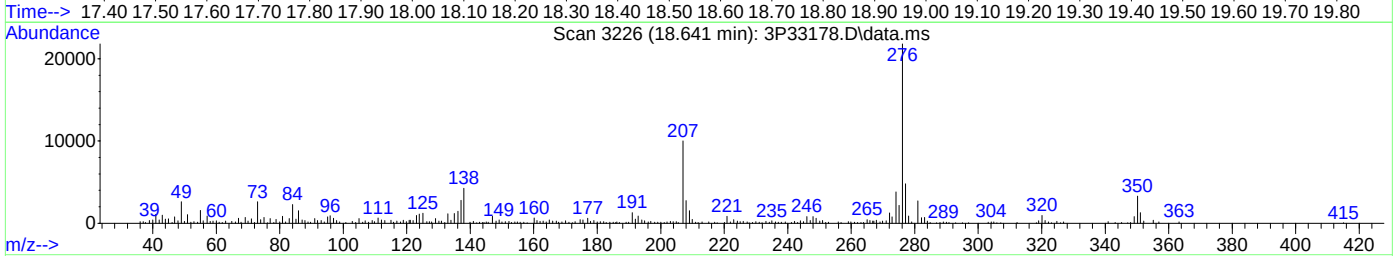
ACCUTEST LABORATORIES JB69123

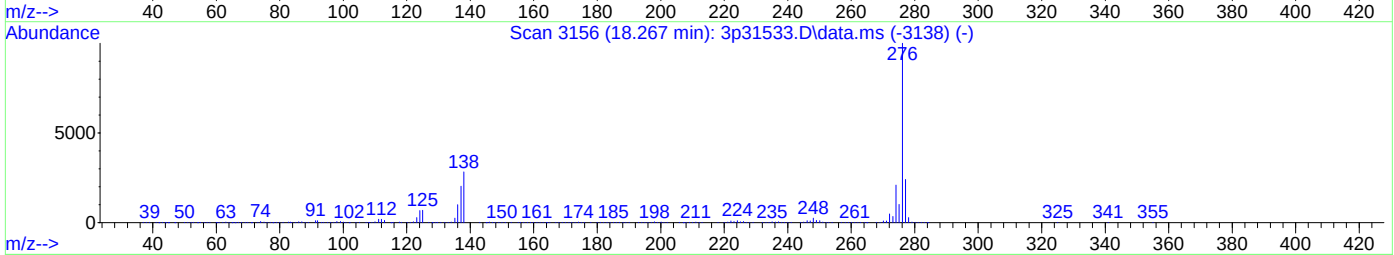
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33178.D
Acq On : 26 Jun 2014 10:45 am
Operator : samtap
Sample : ic1417-1
Misc : op75725,e3p1417
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:23:18 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:12:01 2014
Response via : Initial Calibration







TIC: 3P33178.D\data.ms

(96) Indeno[1,2,3-cd]pyrene (t)

18.641min (-0.000) 1.07ppb m

response 47711

Ion	Exp%	Act%
276.10	100	100
138.00	17.50	19.48
137.00	12.70	12.69
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33179.D
Acq On : 26 Jun 2014 11:11 am
Operator : samtap
Sample : ic1417-80
Misc : op75725,e3p1417
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:35:32 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:23:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	271245	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	912365	40.00	ppb	0.00
47) Acenaphthene-d10	6.719	164	602681	40.00	ppb	0.00
69) Phenanthrene-d10	8.484	188	1208457	40.00	ppb	0.00
83) Chrysene-d12	13.651	240	1520066	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1234195	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	271245	40.00	ppb	0.00
103) Acenaphthene-d10a	6.719	164	602681	40.00	ppb	0.00
107) Chrysene-d12a	13.651	240	1520066	40.00	ppb	0.00
109) Naphthalene-d8a	5.377	136	912365	40.00	ppb	0.00
111) Phenanthrene-d10a	8.484	188	1208457	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.483	112	729155	96.86	ppb	0.00
Spiked Amount 50.000			Recovery =	193.72%		
8) Phenol-d5	4.216	99	919700	96.17	ppb	0.00
Spiked Amount 50.000			Recovery =	192.34%		
25) Nitrobenzene-d5	4.863	82	705125	83.94	ppb	0.00
Spiked Amount 50.000			Recovery =	167.88%		
51) 2-Fluorobiphenyl	6.152	172	1652620	83.64	ppb	0.00
Spiked Amount 50.000			Recovery =	167.28%		
73) 2,4,6-Tribromophenol	7.559	330	352712	91.98	ppb	0.00
Spiked Amount 50.000			Recovery =	183.96%		
85) Terphenyl-d14	11.453	244	2683570	85.65	ppb	0.00
Spiked Amount 50.000			Recovery =	171.30%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.911	88	268337	81.41	ppb	98
3) Pyridine	2.264	79	672648	85.43	ppb	100
4) N-Nitrosodimethylamine	2.232	42	386635	92.29	ppb	99
6) Indene	4.644	116	1161736	85.59	ppb	98
7) Cumene	3.852	105	1857815	86.45	ppb	99
9) Phenol	4.227	94	1008330	90.30	ppb	96
10) Aniline	4.216	93	928682	81.01	ppb	98
11) bis(2-Chloroethyl)ether	4.264	93	597629	88.91	ppb	97
12) 2-Chlorophenol	4.307	128	762901	88.56	ppb	98
13) Decane	4.339	43	578518	84.67	ppb	99
14) 1,3-Dichlorobenzene	4.414	146	901076	85.25	ppb	99
15) 1,4-Dichlorobenzene	4.468	146	912090	89.92	ppb	97
16) Benzyl alcohol	4.569	108	467465	99.74	ppb	96
17) 1,2-Dichlorobenzene	4.580	146	838769	85.31	ppb	99
18) Acetophenone	4.756	105	1008481	92.60	ppb #	60
19) 2-Methylphenol	4.660	108	586878	83.97	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.655	45	664483	81.45	ppb	92
21) 3&4-Methylphenol	4.772	108	636460	93.68	ppb	99
22) n-Nitroso-di-n-propyla...	4.756	70	468350	89.87	ppb	94
23) Hexachloroethane	4.821	201	382628	81.05	ppb	96
26) Nitrobenzene	4.879	77	720167	85.59	ppb	94
27) Quinoline	5.639	129	1393109	83.53	ppb	98
28) Isophorone	5.051	82	1230230	85.25	ppb	96
29) 2-Nitrophenol	5.109	139	434688	92.56	ppb	75
30) 2,4-Dimethylphenol	5.147	107	647237	94.75	ppb	99
31) Benzoic acid	5.270	105	561827	131.75	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33179.D
Acq On : 26 Jun 2014 11:11 am
Operator : samtap
Sample : ic1417-80
Misc : op75725,e3p1417
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:35:32 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:23:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32)	bis(2-Chloroethoxy)met...	5.200	93	694383	88.20	ppb		99
33)	2,4-Dichlorophenol	5.291	162	686873	92.88	ppb		99
34)	2,6-Dichlorophenol	5.446	162	657555	89.08	ppb		97
35)	1,3,5-Trichlorobenzene	5.115	180	897435	87.13	ppb		96
36)	1,2,4-Trichlorobenzene	5.339	180	822726	86.92	ppb		97
37)	1,2,3-Trichlorobenzene	5.500	180	794150	85.20	ppb		97
38)	Naphthalene	5.393	128	1975781	86.44	ppb		99
39)	4-Chloroaniline	5.436	127	849975	87.06	ppb		98
40)	2,3-Dichloroaniline	6.094	161	893488	89.50	ppb		99
41)	Caprolactam	5.719	113	209746	87.69	ppb		92
42)	Hexachlorobutadiene	5.478	225	531917	86.94	ppb		98
43)	4-Chloro-3-methylphenol	5.799	107	630775	89.37	ppb	#	94
44)	2-Methylnaphthalene	5.885	141	1293604	87.95	ppb		99
45)	1-Methylnaphthalene	5.954	141	1297109	85.67	ppb		99
46)	Dimethylnaphthalene	6.356	156	1414093	87.88	ppb		99
48)	Hexachlorocyclopentadiene	5.997	237	908964	254.21	ppb		99
49)	2,4,6-Trichlorophenol	6.104	196	573779	90.34	ppb		99
50)	2,4,5-Trichlorophenol	6.142	196	612848	84.86	ppb		99
52)	2-Chloronaphthalene	6.249	162	1481469	83.99	ppb		100
53)	Biphenyl	6.233	154	1863056	85.47	ppb		99
54)	2-Nitroaniline	6.340	65	422980	87.45	ppb		88
55)	Dimethylphthalate	6.479	163	1670514	86.66	ppb		100
56)	Acenaphthylene	6.591	152	2364362	88.36	ppb		99
57)	2,6-Dinitrotoluene	6.537	165	419457	92.83	ppb		94
58)	3-Nitroaniline	6.693	138	423882	88.76	ppb		95
59)	Acenaphthene	6.751	153	1430130	85.88	ppb		99
60)	2,4-Dinitrophenol	6.800	184	573043	194.89	ppb		96
61)	4-Nitrophenol	6.885	109	224815	125.88	ppb		98
62)	Dibenzofuran	6.917	168	2206564	86.37	ppb		95
63)	2,4-Dinitrotoluene	6.917	165	590884	98.32	ppb		98
64)	2,3,4,6-Tetrachlorophenol	7.051	232	573324	93.43	ppb		98
65)	Diethylphthalate	7.153	149	1707793	87.16	ppb		99
66)	Fluorene	7.276	166	1846717	88.66	ppb		98
67)	4-Chlorophenyl-phenyle...	7.270	204	980775	89.59	ppb		95
68)	4-Nitroaniline	7.318	138	412449	89.96	ppb		99
70)	4,6-Dinitro-2-methylph...	7.361	198	393975	116.43	ppb		97
71)	n-Nitrosodiphenylamine	7.409	169	1179367	84.36	ppb		99
72)	1,2-Diphenylhydrazine	7.452	77	1583936	82.61	ppb		98
74)	4-Bromophenyl-phenylether	7.864	248	670300	85.96	ppb		96
75)	Hexachlorobenzene	7.955	284	798360	87.58	ppb		98
76)	Pentachlorophenol	8.244	266	923251	221.69	ppb		99
77)	Phenanthrene	8.522	178	2700549	84.92	ppb		99
78)	Anthracene	8.602	178	2695036	85.76	ppb		99
79)	Carbazole	8.875	167	2639633	87.92	ppb		100
80)	Di-n-butylphthalate	9.538	149	3247666	89.06	ppb		100
81)	Fluoranthene	10.597	202	3643698	91.17	ppb		100
82)	Octadecane	8.393	57	886253	86.24	ppb		99
84)	Pyrene	11.030	202	3683669	85.47	ppb		99
86)	Butylbenzylphthalate	12.608	149	1564690	89.11	ppb		98
87)	Benzo[a]anthracene	13.635	228	3724869	84.59	ppb		99
88)	3,3'-Dichlorobenzidine	13.678	252	1424836	89.45	ppb		97
89)	Chrysene	13.715	228	3156244	84.41	ppb		98
90)	bis(2-Ethylhexyl)phtha...	14.015	149	1982926	87.90	ppb		98
92)	Di-n-octylphthalate	15.454	149	3735018	93.92	ppb		100
93)	Benzo[b]fluoranthene	15.962	252	3848913	92.66	ppb		98
94)	Benzo[k]fluoranthene	16.015	252	3343599	87.19	ppb		99
95)	Benzo[a]pyrene	16.582	252	3271375	90.23	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.657	276	3132002	85.90	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33179.D
Acq On : 26 Jun 2014 11:11 am
Operator : samtap
Sample : ic1417-80
Misc : op75725,e3p1417
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:35:32 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:23:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.283	279	3085514	95.94	ppb	99
98)	Dibenz[a,h]anthracene	18.706	278	3085926	92.05	ppb	99
99)	7,12-Dimethylbenz(a)an...	15.962	256	1767883	112.05	ppb	100
100)	Benzo[g,h,i]perylene	19.085	276	2977564	91.15	ppb	100

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

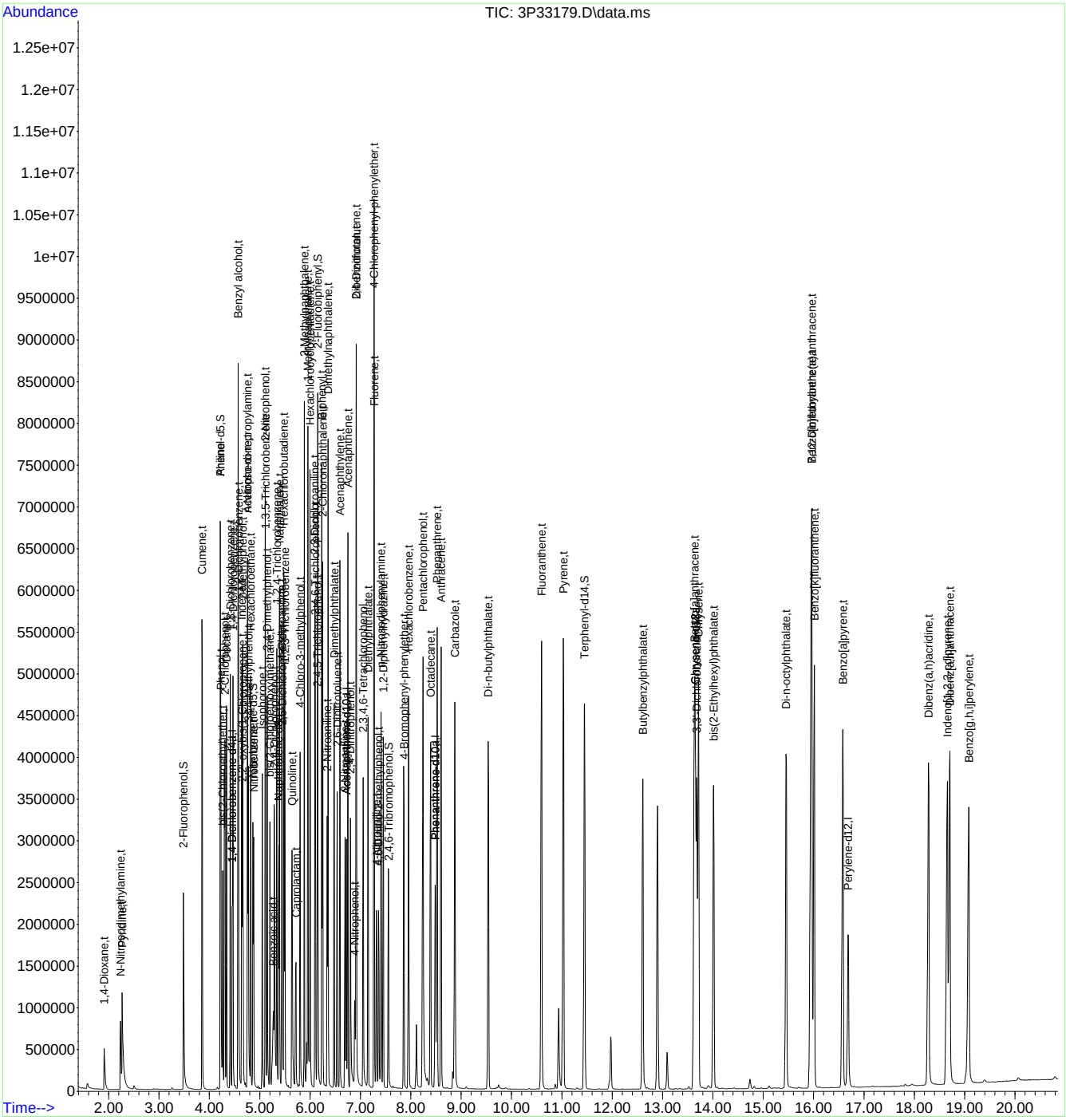
9.6.61

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33179.D
Acq On : 26 Jun 2014 11:11 am
Operator : samtap
Sample : ic1417-80
Misc : op75725,e3p1417
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:35:32 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 11:23:36 2014
Response via : Initial Calibration



1023 of 2156
ACCUTEST LABORATORIES
JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33180.D
Acq On : 26 Jun 2014 11:36 am
Operator : samtap
Sample : ic1417-2
Misc : op75725,e3p1417
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 14:35:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	295888	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	1069117	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	702349	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1350094	40.00	ppb	0.00
83) Chrysene-d12	13.641	240	1692024	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1506538	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	295888	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	702349	40.00	ppb	0.00
107) Chrysene-d12a	13.641	240	1692024	40.00	ppb	0.00
109) Naphthalene-d8a	5.372	136	1069117	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1350094	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.510	112	11825	1.50	ppb	0.02
Spiked Amount 50.000			Recovery	=	3.00%	
8) Phenol-d5	4.232	99	16829	1.66	ppb	0.02
Spiked Amount 50.000			Recovery	=	3.32%	
25) Nitrobenzene-d5	4.869	82	18490	1.87	ppb	0.00
Spiked Amount 50.000			Recovery	=	3.74%	
51) 2-Fluorobiphenyl	6.152	172	47429	2.01	ppb	0.00
Spiked Amount 50.000			Recovery	=	4.02%	
73) 2,4,6-Tribromophenol	7.559	330	8637	1.98	ppb	0.00
Spiked Amount 50.000			Recovery	=	3.96%	
85) Terphenyl-d14	11.448	244	68788	1.97	ppb	0.00
Spiked Amount 50.000			Recovery	=	3.94%	
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.927	88	6534	1.90	ppb	89
3) Pyridine	2.350	79	14379	1.70	ppb	93
4) N-Nitrosodimethylamine	2.280	42	8484	1.83	ppb #	62
6) Indene	4.644	116	30210	1.99	ppb	97
7) Cumene	3.853	105	43932	1.89	ppb	99
9) Phenol	4.243	94	23396	1.92	ppb	73
10) Aniline	4.227	93	24915	2.02	ppb	86
11) bis(2-Chloroethyl)ether	4.270	93	17419	2.26	ppb	98
12) 2-Chlorophenol	4.318	128	18110	1.88	ppb	97
13) Decane	4.339	43	16726	2.15	ppb	96
14) 1,3-Dichlorobenzene	4.414	146	22666	1.94	ppb	95
15) 1,4-Dichlorobenzene	4.468	146	23610	2.00	ppb	98
16) Benzyl alcohol	4.591	108	8741	1.68	ppb	86
17) 1,2-Dichlorobenzene	4.580	146	22940	2.07	ppb	91
18) Acetophenone	4.762	105	23067	1.87	ppb	89
19) 2-Methylphenol	4.671	108	12185	1.63	ppb	89
20) 2,2'-oxybis(1-Chloropr...	4.655	45	19664	2.14	ppb	84
21) 3&4-Methylphenol	4.794	108	10803	1.42	ppb	93
22) n-Nitroso-di-n-propyla...	4.756	70	12143	2.03	ppb	97
23) Hexachloroethane	4.821	201	11772	2.22	ppb	98
26) Nitrobenzene	4.885	77	20374	2.00	ppb	96
27) Quinoline	5.644	129	40574	2.08	ppb	94
28) Isophorone	5.045	82	35573	2.06	ppb	98
29) 2-Nitrophenol	5.115	139	10064	1.80	ppb #	57
30) 2,4-Dimethylphenol	5.158	107	15207	1.84	ppb	89
31) Benzoic acid	5.275	105	4565	2.23	ppb #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33180.D
Acq On : 26 Jun 2014 11:36 am
Operator : samtap
Sample : ic1417-2
Misc : op75725,e3p1417
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 14:35:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.206	93	19077	2.01	ppb		99
33) 2,4-Dichlorophenol	5.318	162	14346	1.63	ppb		85
34) 2,6-Dichlorophenol	5.452	162	16824	1.92	ppb		95
35) 1,3,5-Trichlorobenzene	5.115	180	23836	1.95	ppb		98
36) 1,2,4-Trichlorobenzene	5.339	180	23839	2.08	ppb		93
37) 1,2,3-Trichlorobenzene	5.500	180	22980	2.05	ppb		96
38) Naphthalene	5.388	128	54321	2.00	ppb		98
39) 4-Chloroaniline	5.446	127	23661	2.02	ppb		98
40) 2,3-Dichloroaniline	6.099	161	22730	1.90	ppb		96
41) Caprolactam	5.682	113	6037	2.14	ppb		88
42) Hexachlorobutadiene	5.479	225	16237	2.17	ppb		97
43) 4-Chloro-3-methylphenol	5.805	107	16274	1.95	ppb		91
44) 2-Methylnaphthalene	5.885	141	34799	2.01	ppb		92
45) 1-Methylnaphthalene	5.955	141	37242	2.09	ppb		96
46) Dimethylnaphthalene	6.356	156	38544	1.99	ppb		96
48) Hexachlorocyclopentadiene	5.997	237	3442	8.64	ppb		86
49) 2,4,6-Trichlorophenol	6.110	196	13900	1.87	ppb		95
50) 2,4,5-Trichlorophenol	6.158	196	14760	1.76	ppb		88
52) 2-Chloronaphthalene	6.249	162	44778	2.11	ppb		97
53) Biphenyl	6.227	154	53013	2.03	ppb		98
54) 2-Nitroaniline	6.345	65	12579	2.12	ppb		84
55) Dimethylphthalate	6.473	163	48605	2.08	ppb		98
56) Acenaphthylene	6.591	152	64677	2.00	ppb		97
57) 2,6-Dinitrotoluene	6.532	165	10629	1.95	ppb		97
58) 3-Nitroaniline	6.709	138	11304	1.99	ppb	#	24
59) Acenaphthene	6.746	153	40543	2.04	ppb		99
60) 2,4-Dinitrophenol	6.869	184	1891	0.66	ppb	#	50
61) 4-Nitrophenol	6.965	109	2334	0.81	ppb	#	1
62) Dibenzofuran	6.917	168	61570	2.02	ppb		97
63) 2,4-Dinitrotoluene	6.923	165	13090	1.77	ppb		80
64) 2,3,4,6-Tetrachlorophenol	7.062	232	12767	1.78	ppb		89
65) Diethylphthalate	7.142	149	47077	2.00	ppb		96
66) Fluorene	7.270	166	47921	1.93	ppb		92
67) 4-Chlorophenyl-phenyle...	7.265	204	26114	2.00	ppb		98
68) 4-Nitroaniline	7.335	138	8428	1.60	ppb		90
70) 4,6-Dinitro-2-methylph...	7.383	198	3598	0.79	ppb		88
71) n-Nitrosodiphenylamine	7.409	169	33234	2.07	ppb		95
72) 1,2-Diphenylhydrazine	7.452	77	41683	1.93	ppb		91
74) 4-Bromophenyl-phenylether	7.859	248	17219	1.97	ppb		94
75) Hexachlorobenzene	7.950	284	21141	2.03	ppb		96
76) Pentachlorophenol	8.254	266	9349	2.36	ppb		83
77) Phenanthrene	8.511	178	74652	2.05	ppb		98
78) Anthracene	8.597	178	69714	1.93	ppb		97
79) Carbazole	8.880	167	69342	2.00	ppb		95
80) Di-n-butylphthalate	9.533	149	79392	1.92	ppb		98
81) Fluoranthene	10.592	202	88066	1.91	ppb		99
82) Octadecane	8.383	57	21922	1.89	ppb		96
84) Pyrene	11.025	202	95629	1.98	ppb		97
86) Butylbenzylphthalate	12.598	149	35377	1.82	ppb		92
87) Benzo[a]anthracene	13.619	228	101238	2.04	ppb		97
88) 3,3'-Dichlorobenzidine	13.678	252	34314	1.89	ppb		91
89) Chrysene	13.689	228	89180	2.06	ppb		95
90) bis(2-Ethylhexyl)phtha...	14.004	149	49468	1.94	ppb		97
92) Di-n-octylphthalate	15.443	149	85843	1.80	ppb		97
93) Benzo[b]fluoranthene	15.935	252	97413	1.89	ppb		92
94) Benzo[k]fluoranthene	15.989	252	96885	1.99	ppb		97
95) Benzo[a]pyrene	16.566	252	89134	1.98	ppb		99
96) Indeno[1,2,3-cd]pyrene	18.642	276	81965m	1.83	ppb		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33180.D
Acq On : 26 Jun 2014 11:36 am
Operator : samtap
Sample : ic1417-2
Misc : op75725,e3p1417
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 14:35:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.272	279	77157	1.92	ppb	97
98)	Dibenz[a,h]anthracene	18.690	278	81093	1.91	ppb	96
99)	7,12-Dimethylbenz(a)an...	15.930	256	21684	4.80	ppb	99
100)	Benzo[g,h,i]perylene	19.064	276	85143	2.04	ppb	97

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

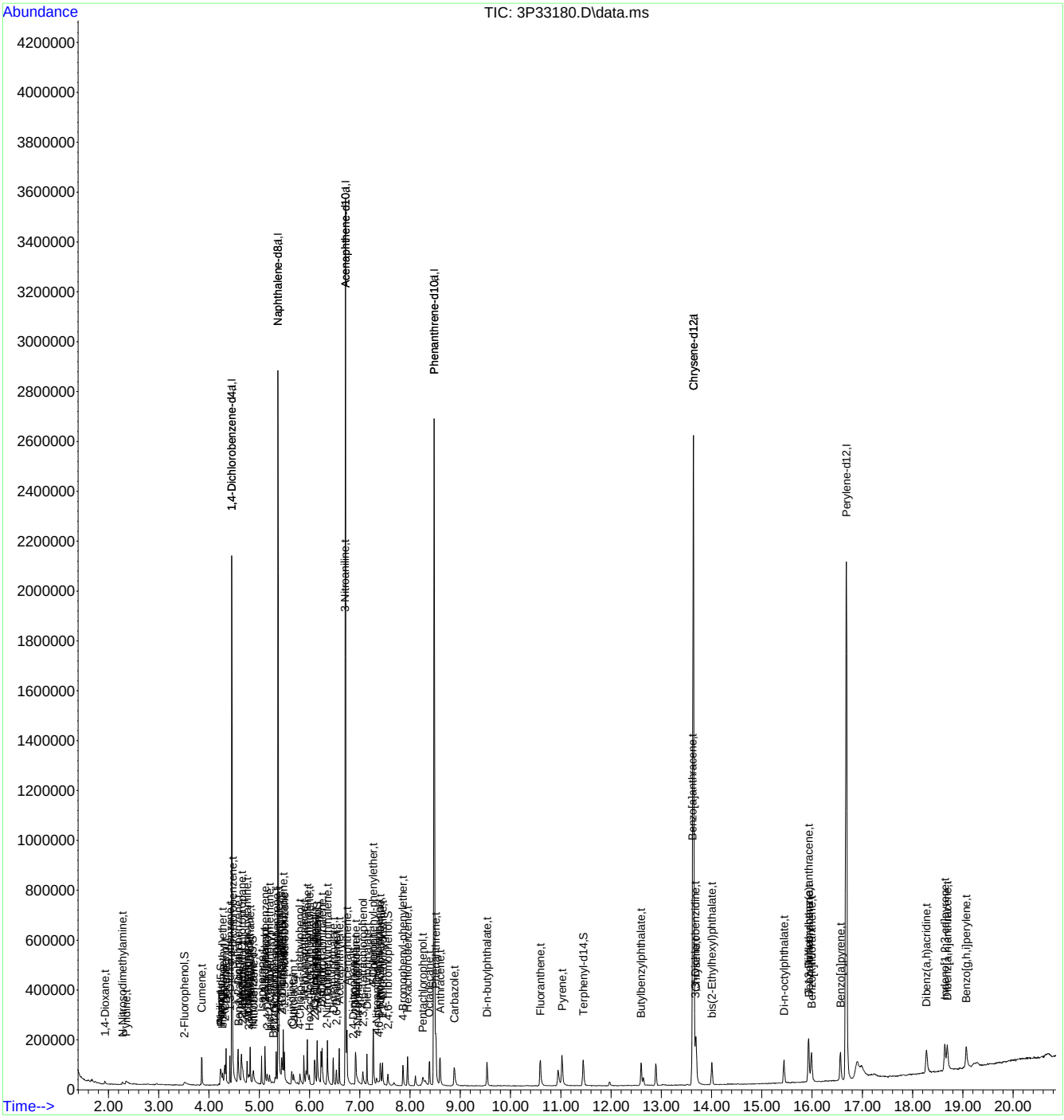
9.6.62

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33180.D
Acq On : 26 Jun 2014 11:36 am
Operator : samtap
Sample : ic1417-2
Misc : op75725,e3p1417
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 14:35:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

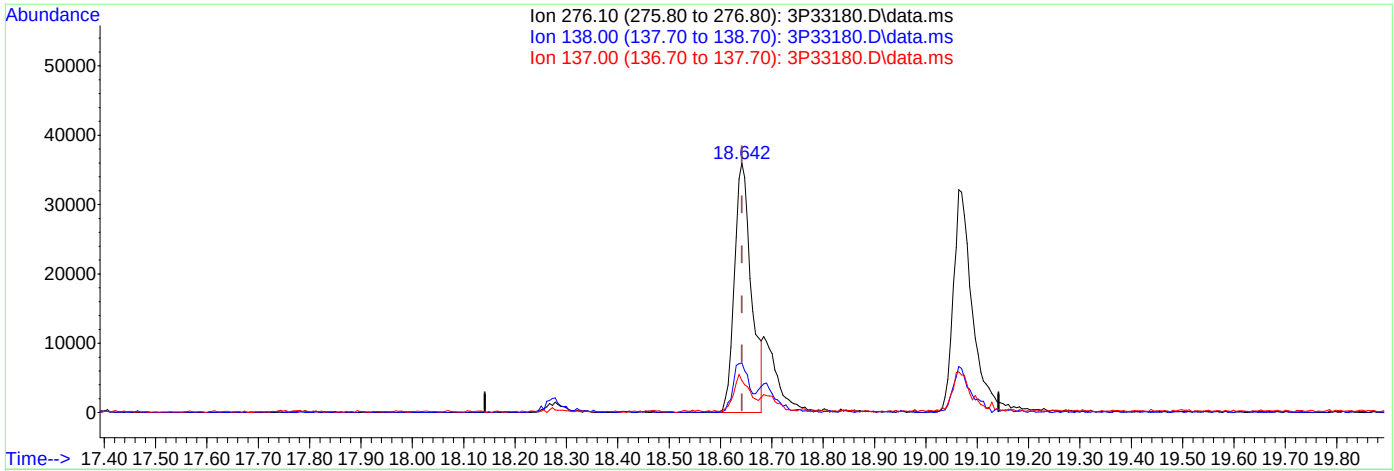
Sample Number:	E3P1417-IC1417	**Method:**	SW846 8270D
Lab FileID:	3P33180.D	**Analyst approved:**	06/27/14 07:07 Samta Patel
Injection Time:	06/26/14 11:36	**Supervisor approved:**	06/27/14 15:17 Nina Pandya

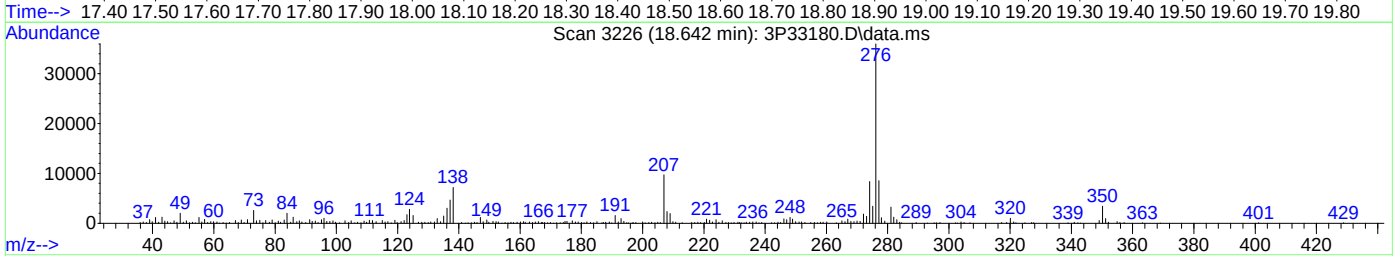
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.64	Poor instrument integration

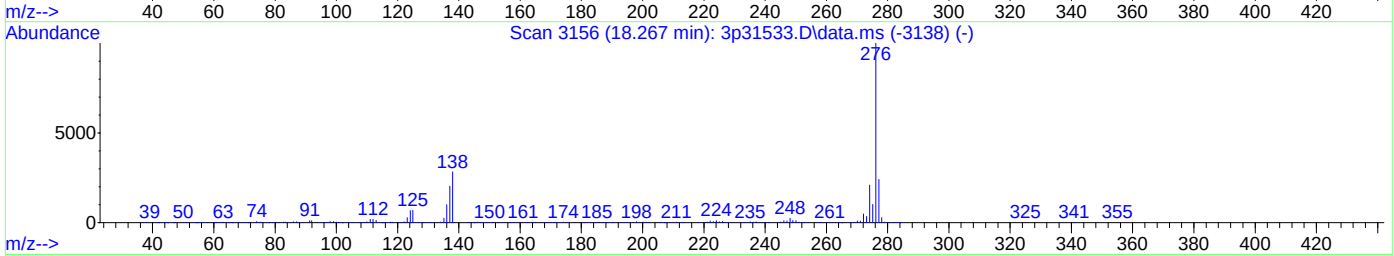
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33180.D
Acq On : 26 Jun 2014 11:36 am
Operator : samtap
Sample : ic1417-2
Misc : op75725,e3p1417
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 14:35:21 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration







TIC: 3P33180.D\data.ms

(96) Indeno[1,2,3-cd]pyrene (t)

18.642min (+0.000) 1.83ppb m

response 81965

Ion	Exp%	Act%
276.10	100	100
138.00	17.50	19.96
137.00	12.70	12.86
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 14:34:07 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.452	152	255738	40.00	ppb		0.00
24) Naphthalene-d8	5.372	136	914468	40.00	ppb		0.00
47) Acenaphthene-d10	6.714	164	595970	40.00	ppb		0.00
69) Phenanthrene-d10	8.479	188	1158558	40.00	ppb		0.00
83) Chrysene-d12	13.641	240	1463862	40.00	ppb		0.00
91) Perylene-d12	16.679	264	1278957	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	255738	40.00	ppb		0.00
103) Acenaphthene-d10a	6.714	164	595970	40.00	ppb		0.00
107) Chrysene-d12a	13.641	240	1463862	40.00	ppb		0.00
109) Naphthalene-d8a	5.372	136	914468	40.00	ppb		0.00
111) Phenanthrene-d10a	8.479	188	1158558	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.500	112	29174	4.27	ppb		0.01
Spiked Amount 50.000			Recovery	=	8.54%		
8) Phenol-d5	4.222	99	41429	4.71	ppb		0.00
Spiked Amount 50.000			Recovery	=	9.42%		
25) Nitrobenzene-d5	4.863	82	45137	5.34	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.68%		
51) 2-Fluorobiphenyl	6.152	172	109842	5.47	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.94%		
73) 2,4,6-Tribromophenol	7.559	330	18510	4.95	ppb		0.00
Spiked Amount 50.000			Recovery	=	9.90%		
85) Terphenyl-d14	11.442	244	157066	5.20	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.40%		
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.922	88	15687	5.29	ppb		96
3) Pyridine	2.317	79	36756	5.04	ppb		96
4) N-Nitrosodimethylamine	2.259	42	20401	5.10	ppb		93
6) Indene	4.644	116	73198	5.57	ppb		99
7) Cumene	3.853	105	103148	5.13	ppb		99
9) Phenol	4.238	94	52393	4.97	ppb		91
10) Aniline	4.222	93	53268	5.00	ppb		89
11) bis(2-Chloroethyl)ether	4.264	93	34498	5.19	ppb		97
12) 2-Chlorophenol	4.313	128	44587	5.36	ppb		95
13) Decane	4.339	43	36041	5.37	ppb		98
14) 1,3-Dichlorobenzene	4.414	146	53057	5.26	ppb		96
15) 1,4-Dichlorobenzene	4.468	146	57670	5.65	ppb		98
16) Benzyl alcohol	4.580	108	23092	5.13	ppb		89
17) 1,2-Dichlorobenzene	4.580	146	52010	5.42	ppb		97
18) Acetophenone	4.756	105	56610	5.30	ppb		99
19) 2-Methylphenol	4.666	108	33726	5.22	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.655	45	44064	5.55	ppb		86
21) 3&4-Methylphenol	4.783	108	33097	5.03	ppb		98
22) n-Nitroso-di-n-propyla...	4.751	70	28338	5.47	ppb		91
23) Hexachloroethane	4.821	201	25100	5.47	ppb		97
26) Nitrobenzene	4.879	77	53645	6.14	ppb		98
27) Quinoline	5.639	129	86075	5.17	ppb		94
28) Isophorone	5.045	82	78155	5.29	ppb		98
29) 2-Nitrophenol	5.109	139	22636	4.73	ppb	#	42
30) 2,4-Dimethylphenol	5.152	107	34405	4.88	ppb		97
31) Benzoic acid	5.249	105	20504m	5.71	ppb		

9.6.93
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 14:34:07 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.200	93	42566	5.23	ppb		100
33) 2,4-Dichlorophenol	5.302	162	40983	5.45	ppb		96
34) 2,6-Dichlorophenol	5.446	162	38465	5.12	ppb		96
35) 1,3,5-Trichlorobenzene	5.109	180	55508	5.30	ppb		99
36) 1,2,4-Trichlorobenzene	5.334	180	53778	5.48	ppb		97
37) 1,2,3-Trichlorobenzene	5.495	180	51868	5.40	ppb		99
38) Naphthalene	5.388	128	122942	5.28	ppb		99
39) 4-Chloroaniline	5.441	127	53167	5.31	ppb		95
40) 2,3-Dichloroaniline	6.094	161	54706	5.34	ppb		96
41) Caprolactam	5.682	113	11426	4.73	ppb		87
42) Hexachlorobutadiene	5.479	225	34437	5.37	ppb		99
43) 4-Chloro-3-methylphenol	5.799	107	37455	5.24	ppb		95
44) 2-Methylnaphthalene	5.885	141	73560	4.96	ppb		97
45) 1-Methylnaphthalene	5.955	141	74769	4.91	ppb		98
46) Dimethylnaphthalene	6.356	156	89999	5.43	ppb		99
48) Hexachlorocyclopentadiene	5.997	237	15011	12.14	ppb		99
49) 2,4,6-Trichlorophenol	6.104	196	32748	5.18	ppb		96
50) 2,4,5-Trichlorophenol	6.152	196	35486	4.97	ppb		99
52) 2-Chloronaphthalene	6.249	162	97213	5.40	ppb		97
53) Biphenyl	6.227	154	118495	5.35	ppb		99
54) 2-Nitroaniline	6.340	65	27167	5.39	ppb		96
55) Dimethylphthalate	6.473	163	106488	5.38	ppb		97
56) Acenaphthylene	6.591	152	149368	5.43	ppb		99
57) 2,6-Dinitrotoluene	6.532	165	23943	5.18	ppb		88
58) 3-Nitroaniline	6.698	138	24540	5.10	ppb		96
59) Acenaphthene	6.746	153	91577	5.42	ppb		99
60) 2,4-Dinitrophenol	6.832	184	9843	4.03	ppb		85
61) 4-Nitrophenol	6.928	109	11963	4.89	ppb	#	19
62) Dibenzofuran	6.912	168	137344	5.32	ppb		98
63) 2,4-Dinitrotoluene	6.917	165	33605	5.36	ppb		82
64) 2,3,4,6-Tetrachlorophenol	7.056	232	31043	5.09	ppb		98
65) Diethylphthalate	7.142	149	104057	5.22	ppb		99
66) Fluorene	7.270	166	111216	5.29	ppb		98
67) 4-Chlorophenyl-phenyle...	7.265	204	57258	5.16	ppb		96
68) 4-Nitroaniline	7.318	138	22549	5.04	ppb		100
70) 4,6-Dinitro-2-methylph...	7.367	198	14284	3.65	ppb		92
71) n-Nitrosodiphenylamine	7.404	169	73820	5.36	ppb		99
72) 1,2-Diphenylhydrazine	7.447	77	100414	5.41	ppb		95
74) 4-Bromophenyl-phenylether	7.859	248	39037	5.21	ppb		96
75) Hexachlorobenzene	7.950	284	48790	5.45	ppb		96
76) Pentachlorophenol	8.249	266	34971	10.51	ppb		96
77) Phenanthrene	8.511	178	166313	5.32	ppb		97
78) Anthracene	8.591	178	167295	5.40	ppb		99
79) Carbazole	8.875	167	159167	5.36	ppb		97
80) Di-n-butylphthalate	9.533	149	181201	5.10	ppb		98
81) Fluoranthene	10.592	202	209026	5.29	ppb		100
82) Octadecane	8.383	57	53319	5.34	ppb		97
84) Pyrene	11.020	202	221947	5.30	ppb		97
86) Butylbenzylphthalate	12.598	149	87512	5.20	ppb		99
87) Benzo[a]anthracene	13.619	228	229900	5.36	ppb		98
88) 3,3'-Dichlorobenzidine	13.673	252	83563	5.31	ppb		92
89) Chrysene	13.689	228	206294	5.52	ppb		99
90) bis(2-Ethylhexyl)phtha...	14.004	149	114470	5.20	ppb		98
92) Di-n-octylphthalate	15.443	149	202717	5.00	ppb		98
93) Benzo[b]fluoranthene	15.930	252	227798	5.21	ppb		97
94) Benzo[k]fluoranthene	15.983	252	234478	5.67	ppb		99
95) Benzo[a]pyrene	16.561	252	200573	5.24	ppb		97
96) Indeno[1,2,3-cd]pyrene	18.636	276	188430	4.96	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 14:34:07 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) Dibenz(a,h)acridine	18.272	279	180261	5.27	ppb	96
98) Dibenz[a,h]anthracene	18.684	278	198885	5.53	ppb	98
99) 7,12-Dimethylbenz(a)an...	15.930	256	62227	6.67	ppb	95
100) Benzo[g,h,i]perylene	19.064	276	195485	5.52	ppb	98

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

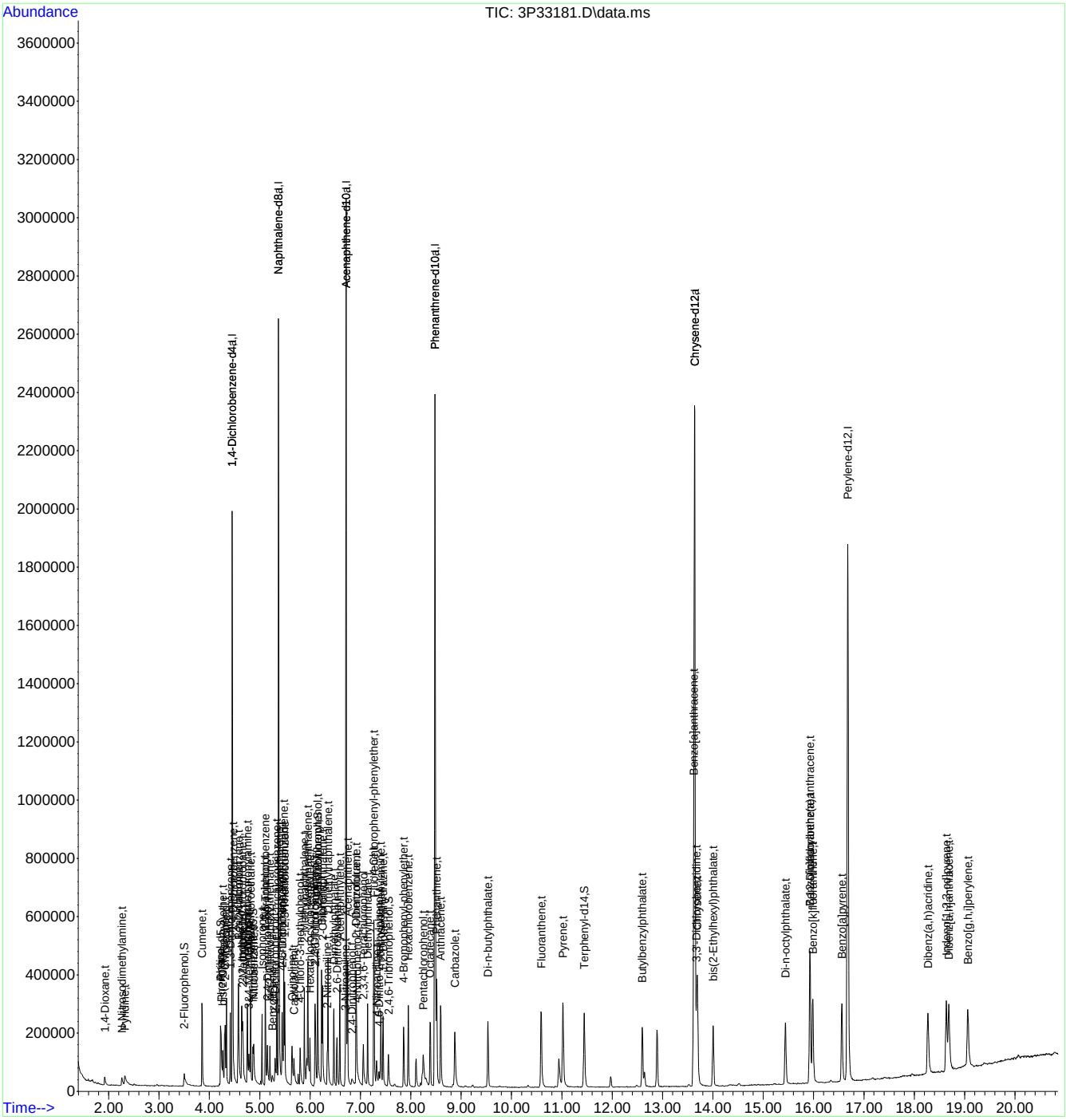
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 14:34:07 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

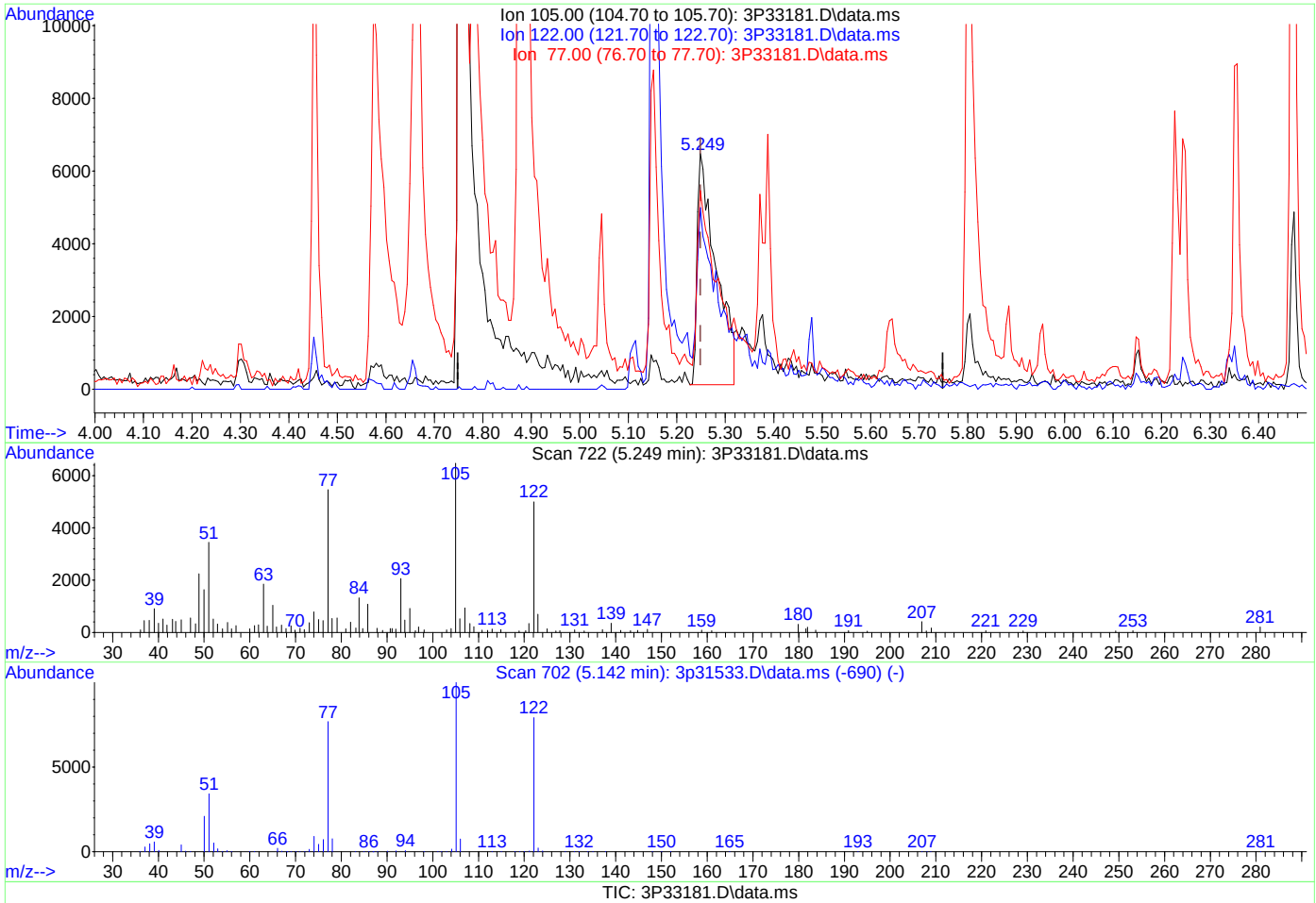
Sample Number:	E3P1417-IC1417	**Method:**	SW846 8270D
Lab FileID:	3P33181.D	**Analyst approved:**	06/27/14 07:07 Samta Patel
Injection Time:	06/26/14 12:02	**Supervisor approved:**	06/27/14 15:17 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.25	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 13:08:13 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:04:23 2014
Response via : Initial Calibration



TIC: 3P33181.D\data.ms

(31) Benzoic acid (t)

5.249min (-0.000) 3.94ppb

response 17179

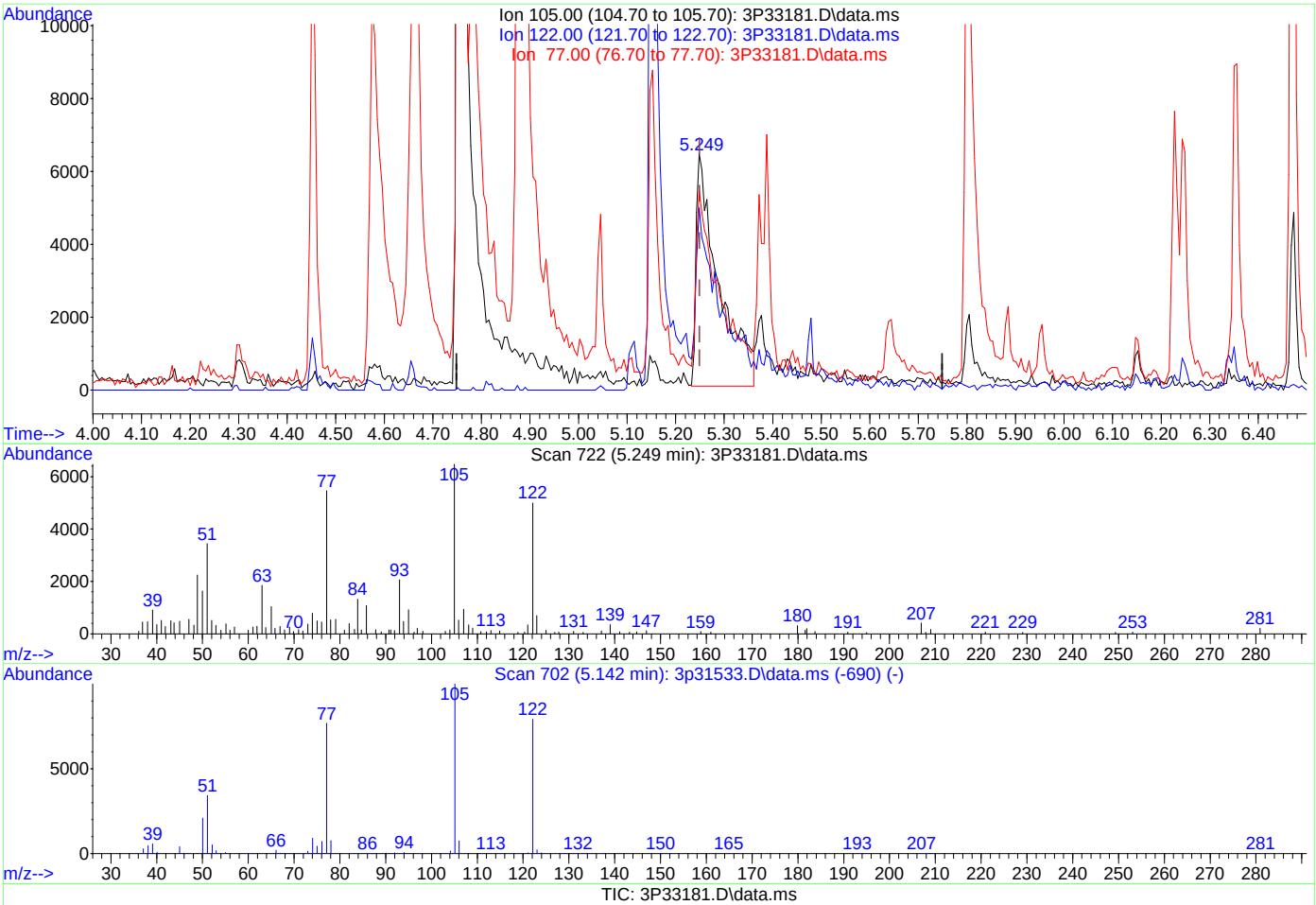
Ion	Exp%	Act%
105.00	100	100
122.00	76.90	68.62
77.00	78.00	74.17
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33181.D
Acq On : 26 Jun 2014 12:02 pm
Operator : samtap
Sample : ic1417-5
Misc : op75725,e3p1417
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 14:34:07 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:30:49 2014
Response via : Initial Calibration



TIC: 3P33181.D\data.ms

(31) Benzoic acid (t)

5.249min (-0.000) 5.71ppb m

response 20504

Ion	Exp%	Act%
105.00	100	100
122.00	76.90	77.19
77.00	78.00	84.32
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33182.D
Acq On : 26 Jun 2014 12:27 pm
Operator : samtap
Sample : ic1417-25
Misc : op75725,e3p1417
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 13:10:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:08:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	246752	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	856508	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	570844	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1136308	40.00	ppb	0.00
83) Chrysene-d12	13.641	240	1496329	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1365593	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	246752	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	570844	40.00	ppb	0.00
107) Chrysene-d12a	13.641	240	1496329	40.00	ppb	0.00
109) Naphthalene-d8a	5.372	136	856508	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1136308	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.489	112	158366	23.51	ppb	0.00
Spiked Amount 50.000			Recovery = 47.02%			
8) Phenol-d5	4.216	99	203243	23.65	ppb	0.00
Spiked Amount 50.000			Recovery = 47.30%			
25) Nitrobenzene-d5	4.858	82	190290	23.89	ppb	0.00
Spiked Amount 50.000			Recovery = 47.78%			
51) 2-Fluorobiphenyl	6.147	172	437358	22.62	ppb	0.00
Spiked Amount 50.000			Recovery = 45.24%			
73) 2,4,6-Tribromophenol	7.554	330	82565	22.29	ppb	0.00
Spiked Amount 50.000			Recovery = 44.58%			
85) Terphenyl-d14	11.442	244	687006	21.92	ppb	0.00
Spiked Amount 50.000			Recovery = 43.84%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.911	88	59389	20.02	ppb	95
3) Pyridine	2.280	79	154691	21.36	ppb	97
4) N-Nitrosodimethylamine	2.237	42	85767	21.68	ppb	97
6) Indene	4.639	116	283242	22.08	ppb	100
7) Cumene	3.853	105	437971	22.27	ppb	100
9) Phenol	4.227	94	235628	22.87	ppb	92
10) Aniline	4.216	93	252449	24.23	ppb	96
11) bis(2-Chloroethyl)ether	4.264	93	150495	23.69	ppb	99
12) 2-Chlorophenol	4.307	128	187828	23.31	ppb	99
13) Decane	4.339	43	146912	22.51	ppb	98
14) 1,3-Dichlorobenzene	4.414	146	224430	22.91	ppb	99
15) 1,4-Dichlorobenzene	4.468	146	227735	23.15	ppb	100
16) Benzyl alcohol	4.569	108	105735	24.21	ppb	99
17) 1,2-Dichlorobenzene	4.580	146	210022	22.51	ppb	98
18) Acetophenone	4.751	105	247272	24.03	ppb	98
19) 2-Methylphenol	4.660	108	150559	24.20	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.655	45	175443	22.63	ppb	95
21) 3&4-Methylphenol	4.773	108	152957	24.00	ppb	99
22) n-Nitroso-di-n-propyla...	4.751	70	118754	23.69	ppb	95
23) Hexachloroethane	4.821	201	97614	21.70	ppb	99
26) Nitrobenzene	4.874	77	187585	23.01	ppb	99
27) Quinoline	5.634	129	343642	21.55	ppb	99
28) Isophorone	5.045	82	315736	22.56	ppb	98
29) 2-Nitrophenol	5.104	139	103200	22.82	ppb	95
30) 2,4-Dimethylphenol	5.147	107	173591	26.46	ppb	94
31) Benzoic acid	5.254	105	113946	28.91	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33182.D
Acq On : 26 Jun 2014 12:27 pm
Operator : samtap
Sample : ic1417-25
Misc : op75725,e3p1417
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 13:10:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:08:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.200	93	180635	23.59	ppb		99
33) 2,4-Dichlorophenol	5.291	162	163688	23.21	ppb		95
34) 2,6-Dichlorophenol	5.441	162	167539	23.68	ppb		99
35) 1,3,5-Trichlorobenzene	5.109	180	220406	22.23	ppb		98
36) 1,2,4-Trichlorobenzene	5.334	180	206491	22.15	ppb		98
37) 1,2,3-Trichlorobenzene	5.495	180	205366	22.61	ppb		99
38) Naphthalene	5.388	128	490738	22.25	ppb		99
39) 4-Chloroaniline	5.436	127	218711	23.06	ppb		98
40) 2,3-Dichloroaniline	6.094	161	219265	22.70	ppb		98
41) Caprolactam	5.687	113	52778	23.02	ppb		98
42) Hexachlorobutadiene	5.479	225	135805	22.37	ppb		99
43) 4-Chloro-3-methylphenol	5.794	107	152263	22.38	ppb		92
44) 2-Methylnaphthalene	5.885	141	315935	22.48	ppb		99
45) 1-Methylnaphthalene	5.955	141	320060	22.13	ppb		99
46) Dimethylnaphthalene	6.356	156	346276	22.05	ppb		98
48) Hexachlorocyclopentadiene	5.997	237	145963	49.54	ppb		98
49) 2,4,6-Trichlorophenol	6.099	196	134676	21.98	ppb		98
50) 2,4,5-Trichlorophenol	6.142	196	162700	24.06	ppb		99
52) 2-Chloronaphthalene	6.249	162	384586	22.09	ppb		97
53) Biphenyl	6.227	154	473431	22.15	ppb		98
54) 2-Nitroaniline	6.334	65	106404	21.96	ppb		98
55) Dimethylphthalate	6.473	163	429919	22.49	ppb		100
56) Acenaphthylene	6.591	152	592956	22.39	ppb		99
57) 2,6-Dinitrotoluene	6.532	165	100339	22.54	ppb		98
58) 3-Nitroaniline	6.687	138	104089	22.40	ppb		100
59) Acenaphthene	6.746	153	361070	22.05	ppb		99
60) 2,4-Dinitrophenol	6.805	184	102484	49.80	ppb		95
61) 4-Nitrophenol	6.907	109	53420	29.20	ppb	#	1
62) Dibenzofuran	6.912	168	546287	21.84	ppb		97
63) 2,4-Dinitrotoluene	6.912	165	142670	23.89	ppb		76
64) 2,3,4,6-Tetrachlorophenol	7.051	232	133138	22.59	ppb		99
65) Diethylphthalate	7.142	149	440937	23.01	ppb		100
66) Fluorene	7.270	166	452054	22.26	ppb		98
67) 4-Chlorophenyl-phenyle...	7.265	204	242180	22.60	ppb		99
68) 4-Nitroaniline	7.308	138	101162	23.66	ppb		100
70) 4,6-Dinitro-2-methylph...	7.356	198	82005	26.61	ppb		94
71) n-Nitrosodiphenylamine	7.404	169	305556	22.42	ppb		100
72) 1,2-Diphenylhydrazine	7.447	77	407693	22.25	ppb		98
74) 4-Bromophenyl-phenylether	7.859	248	164431	22.03	ppb		98
75) Hexachlorobenzene	7.950	284	191553	21.46	ppb		96
76) Pentachlorophenol	8.238	266	182635	48.55	ppb		97
77) Phenanthrene	8.517	178	685423	22.17	ppb		99
78) Anthracene	8.591	178	702328	23.09	ppb		99
79) Carbazole	8.870	167	657914	22.41	ppb		100
80) Di-n-butylphthalate	9.533	149	805220	23.01	ppb		99
81) Fluoranthene	10.586	202	888444	22.82	ppb		99
82) Octadecane	8.388	57	216430	21.98	ppb		99
84) Pyrene	11.020	202	929096	21.42	ppb		99
86) Butylbenzylphthalate	12.598	149	385445	22.10	ppb		99
87) Benzo[a]anthracene	13.624	228	947635	21.24	ppb		99
88) 3,3'-Dichlorobenzidine	13.667	252	364589	22.59	ppb		98
89) Chrysene	13.694	228	836009	21.73	ppb		99
90) bis(2-Ethylhexyl)phtha...	14.004	149	501794	22.09	ppb		99
92) Di-n-octylphthalate	15.443	149	916048	20.67	ppb		100
93) Benzo[b]fluoranthene	15.935	252	983630	20.79	ppb		98
94) Benzo[k]fluoranthene	15.989	252	941539	21.12	ppb		99
95) Benzo[a]pyrene	16.566	252	878834	21.19	ppb		98
96) Indeno[1,2,3-cd]pyrene	18.636	276	794862	18.95	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33182.D
Acq On : 26 Jun 2014 12:27 pm
Operator : samtap
Sample : ic1417-25
Misc : op75725,e3p1417
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 13:10:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:08:34 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.267	279	770316	20.74	ppb	100
98)	Dibenz[a,h]anthracene	18.684	278	808226	20.80	ppb	99
99)	7,12-Dimethylbenz(a)an...	15.935	256	464541	27.89	ppb	99
100)	Benzo[g,h,i]perylene	19.064	276	811151	21.17	ppb	98

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

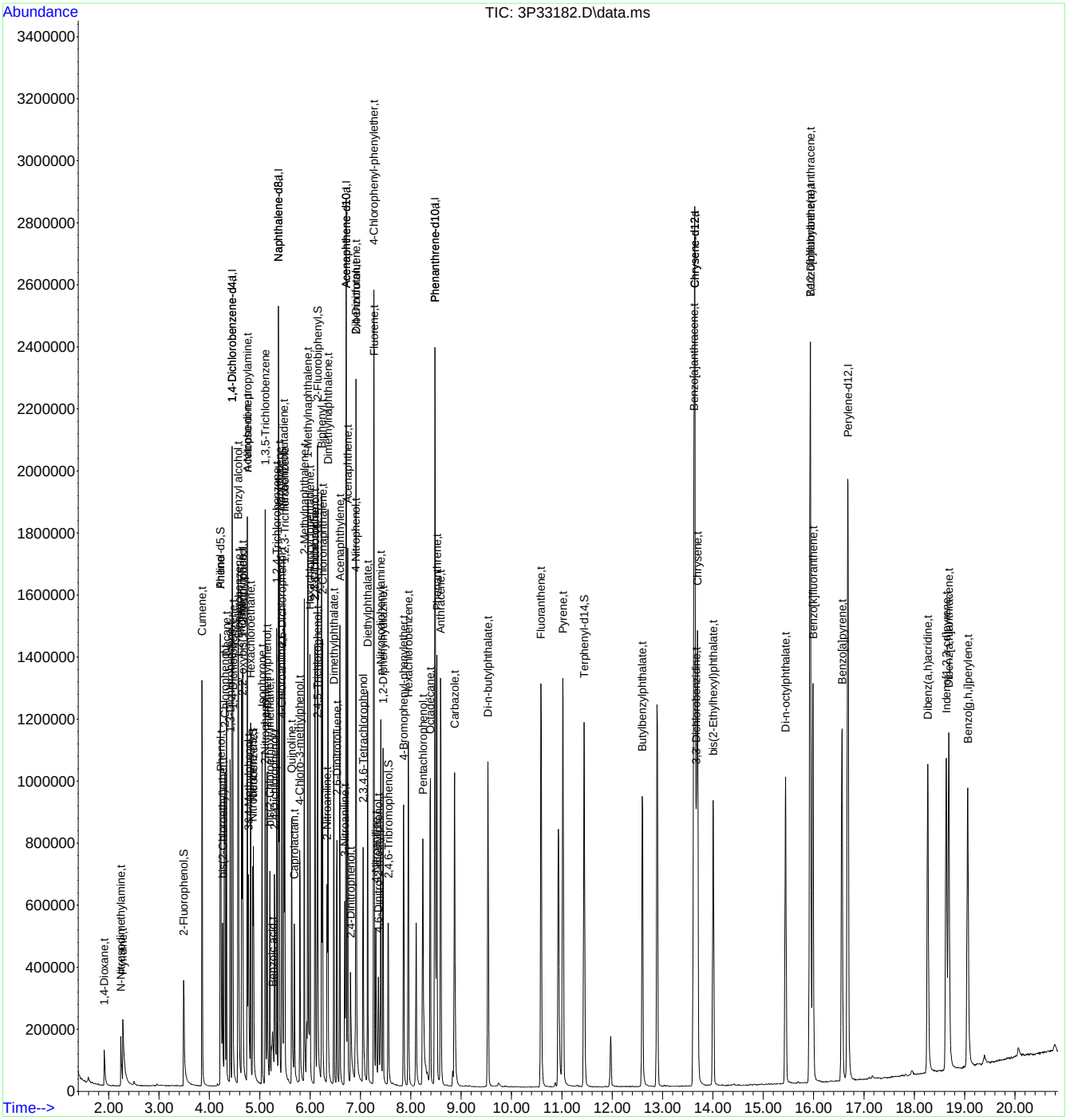
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33182.D
Acq On : 26 Jun 2014 12:27 pm
Operator : samtap
Sample : ic1417-25
Misc : op75725,e3p1417
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 13:10:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:08:34 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33183.D
Acq On : 26 Jun 2014 12:52 pm
Operator : samtap
Sample : ic1417-10
Misc : op75725,e3p1417
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 13:15:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:11:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.452	152	281119	40.00	ppb		0.00
24) Naphthalene-d8	5.372	136	956049	40.00	ppb		0.00
47) Acenaphthene-d10	6.714	164	606448	40.00	ppb		0.00
69) Phenanthrene-d10	8.479	188	1192945	40.00	ppb		0.00
83) Chrysene-d12	13.641	240	1538814	40.00	ppb		0.00
91) Perylene-d12	16.679	264	1318675	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	281119	40.00	ppb		0.00
103) Acenaphthene-d10a	6.714	164	606448	40.00	ppb		0.00
107) Chrysene-d12a	13.641	240	1538814	40.00	ppb		0.00
109) Naphthalene-d8a	5.372	136	956049	40.00	ppb		0.00
111) Phenanthrene-d10a	8.479	188	1192945	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.494	112	67563	8.88	ppb		0.00
Spiked Amount 50.000			Recovery = 17.76%				
8) Phenol-d5	4.216	99	92603	9.53	ppb		0.00
Spiked Amount 50.000			Recovery = 19.06%				
25) Nitrobenzene-d5	4.863	82	88249	9.99	ppb		0.00
Spiked Amount 50.000			Recovery = 19.98%				
51) 2-Fluorobiphenyl	6.147	172	215137	10.62	ppb		0.00
Spiked Amount 50.000			Recovery = 21.24%				
73) 2,4,6-Tribromophenol	7.554	330	39907	10.42	ppb		0.00
Spiked Amount 50.000			Recovery = 20.84%				
85) Terphenyl-d14	11.442	244	325416	10.28	ppb		0.00
Spiked Amount 50.000			Recovery = 20.56%				
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.916	88	30862	9.40	ppb		96
3) Pyridine	2.296	79	75806	9.38	ppb		96
4) N-Nitrosodimethylamine	2.248	42	42149	9.53	ppb		97
6) Indene	4.639	116	149928	10.43	ppb		98
7) Cumene	3.853	105	223196	10.12	ppb		98
9) Phenol	4.227	94	116223	10.03	ppb		81
10) Aniline	4.216	93	109756	9.29	ppb		94
11) bis(2-Chloroethyl)ether	4.264	93	82018	11.42	ppb		96
12) 2-Chlorophenol	4.313	128	94797	10.43	ppb		95
13) Decane	4.339	43	77194	10.53	ppb		99
14) 1,3-Dichlorobenzene	4.414	146	114508	10.38	ppb		99
15) 1,4-Dichlorobenzene	4.468	146	120998	10.91	ppb		98
16) Benzyl alcohol	4.569	108	49272	9.95	ppb		96
17) 1,2-Dichlorobenzene	4.580	146	109929	10.49	ppb		97
18) Acetophenone	4.751	105	122972	10.55	ppb		98
19) 2-Methylphenol	4.660	108	74601	10.57	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.655	45	87683	10.06	ppb		93
21) 3&4-Methylphenol	4.778	108	72892	10.10	ppb		100
22) n-Nitroso-di-n-propyla...	4.751	70	58945	10.40	ppb		96
23) Hexachloroethane	4.821	201	51376	10.22	ppb		98
26) Nitrobenzene	4.874	77	100699	11.19	ppb		97
27) Quinoline	5.634	129	170848	9.79	ppb		95
28) Isophorone	5.045	82	157201	10.21	ppb		97
29) 2-Nitrophenol	5.110	139	51296	10.29	ppb	#	50
30) 2,4-Dimethylphenol	5.147	107	72737	9.85	ppb		89
31) Benzoic acid	5.249	105	47214	10.50	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33183.D
Acq On : 26 Jun 2014 12:52 pm
Operator : samtap
Sample : ic1417-10
Misc : op75725,e3p1417
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 13:15:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:11:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.200	93	86902	10.25	ppb		98
33) 2,4-Dichlorophenol	5.297	162	83681	10.74	ppb		94
34) 2,6-Dichlorophenol	5.441	162	79496	10.14	ppb		98
35) 1,3,5-Trichlorobenzene	5.110	180	113718	10.44	ppb		99
36) 1,2,4-Trichlorobenzene	5.334	180	104333	10.19	ppb		97
37) 1,2,3-Trichlorobenzene	5.495	180	103672	10.37	ppb		97
38) Naphthalene	5.388	128	250166	10.32	ppb		98
39) 4-Chloroaniline	5.436	127	104447	9.98	ppb		96
40) 2,3-Dichloroaniline	6.094	161	112533	10.58	ppb		99
41) Caprolactam	5.682	113	25081	9.91	ppb		99
42) Hexachlorobutadiene	5.479	225	69156	10.36	ppb		98
43) 4-Chloro-3-methylphenol	5.799	107	74770	10.00	ppb	#	95
44) 2-Methylnaphthalene	5.885	141	157070	10.16	ppb		99
45) 1-Methylnaphthalene	5.955	141	162041	10.20	ppb		99
46) Dimethylnaphthalene	6.356	156	180053	10.45	ppb		99
48) Hexachlorocyclopentadiene	5.997	237	50393	16.12	ppb		99
49) 2,4,6-Trichlorophenol	6.104	196	66610	10.41	ppb		99
50) 2,4,5-Trichlorophenol	6.147	196	80765	11.30	ppb		100
52) 2-Chloronaphthalene	6.249	162	192486	10.58	ppb		99
53) Biphenyl	6.227	154	239292	10.71	ppb		99
54) 2-Nitroaniline	6.334	65	55939	11.06	ppb		94
55) Dimethylphthalate	6.473	163	211103	10.55	ppb		99
56) Acenaphthylene	6.591	152	297306	10.73	ppb		99
57) 2,6-Dinitrotoluene	6.532	165	50074	10.74	ppb		94
58) 3-Nitroaniline	6.693	138	51206	10.53	ppb		91
59) Acenaphthene	6.746	153	177893	10.40	ppb		99
60) 2,4-Dinitrophenol	6.810	184	37721	17.27	ppb		76
61) 4-Nitrophenol	6.912	109	24324	12.22	ppb	#	1
62) Dibenzofuran	6.912	168	274613	10.53	ppb		96
63) 2,4-Dinitrotoluene	6.912	165	69008	10.95	ppb		70
64) 2,3,4,6-Tetrachlorophenol	7.051	232	64092	10.38	ppb		98
65) Diethylphthalate	7.142	149	213695	10.62	ppb		99
66) Fluorene	7.270	166	225382	10.61	ppb		99
67) 4-Chlorophenyl-phenyle...	7.265	204	117715	10.48	ppb		97
68) 4-Nitroaniline	7.313	138	48602	10.78	ppb		98
70) 4,6-Dinitro-2-methylph...	7.361	198	33694	10.32	ppb		89
71) n-Nitrosodiphenylamine	7.404	169	147724	10.48	ppb		97
72) 1,2-Diphenylhydrazine	7.447	77	202159	10.68	ppb		95
74) 4-Bromophenyl-phenylether	7.859	248	78637	10.21	ppb		99
75) Hexachlorobenzene	7.950	284	94482	10.29	ppb		98
76) Pentachlorophenol	8.244	266	79602	20.24	ppb		98
77) Phenanthrene	8.511	178	341451	10.69	ppb		99
78) Anthracene	8.591	178	341172	10.80	ppb		99
79) Carbazole	8.870	167	319865	10.54	ppb		100
80) Di-n-butylphthalate	9.533	149	381467	10.50	ppb		100
81) Fluoranthene	10.587	202	430060	10.65	ppb		99
82) Octadecane	8.383	57	110805	10.91	ppb		99
84) Pyrene	11.020	202	460312	10.53	ppb		99
86) Butylbenzylphthalate	12.598	149	181436	10.29	ppb		99
87) Benzo[a]anthracene	13.619	228	464628	10.35	ppb		100
88) 3,3'-Dichlorobenzidine	13.667	252	176409	10.78	ppb		97
89) Chrysene	13.694	228	424300	10.93	ppb		99
90) bis(2-Ethylhexyl)phtha...	14.004	149	243205	10.59	ppb		98
92) Di-n-octylphthalate	15.438	149	425027	10.19	ppb		99
93) Benzo[b]fluoranthene	15.930	252	484726	10.87	ppb		96
94) Benzo[k]fluoranthene	15.983	252	464695	11.04	ppb		97
95) Benzo[a]pyrene	16.561	252	412874	10.54	ppb		100
96) Indeno[1,2,3-cd]pyrene	18.631	276	393302	10.06	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33183.D
Acq On : 26 Jun 2014 12:52 pm
Operator : samtap
Sample : ic1417-10
Misc : op75725,e3p1417
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 13:15:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:11:09 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.267	279	370494	10.59	ppb	98
98)	Dibenz[a,h]anthracene	18.684	278	403502	11.02	ppb	97
99)	7,12-Dimethylbenz(a)an...	15.930	256	170777	10.45	ppb	97
100)	Benzo[g,h,i]perylene	19.059	276	389786	10.77	ppb	97

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

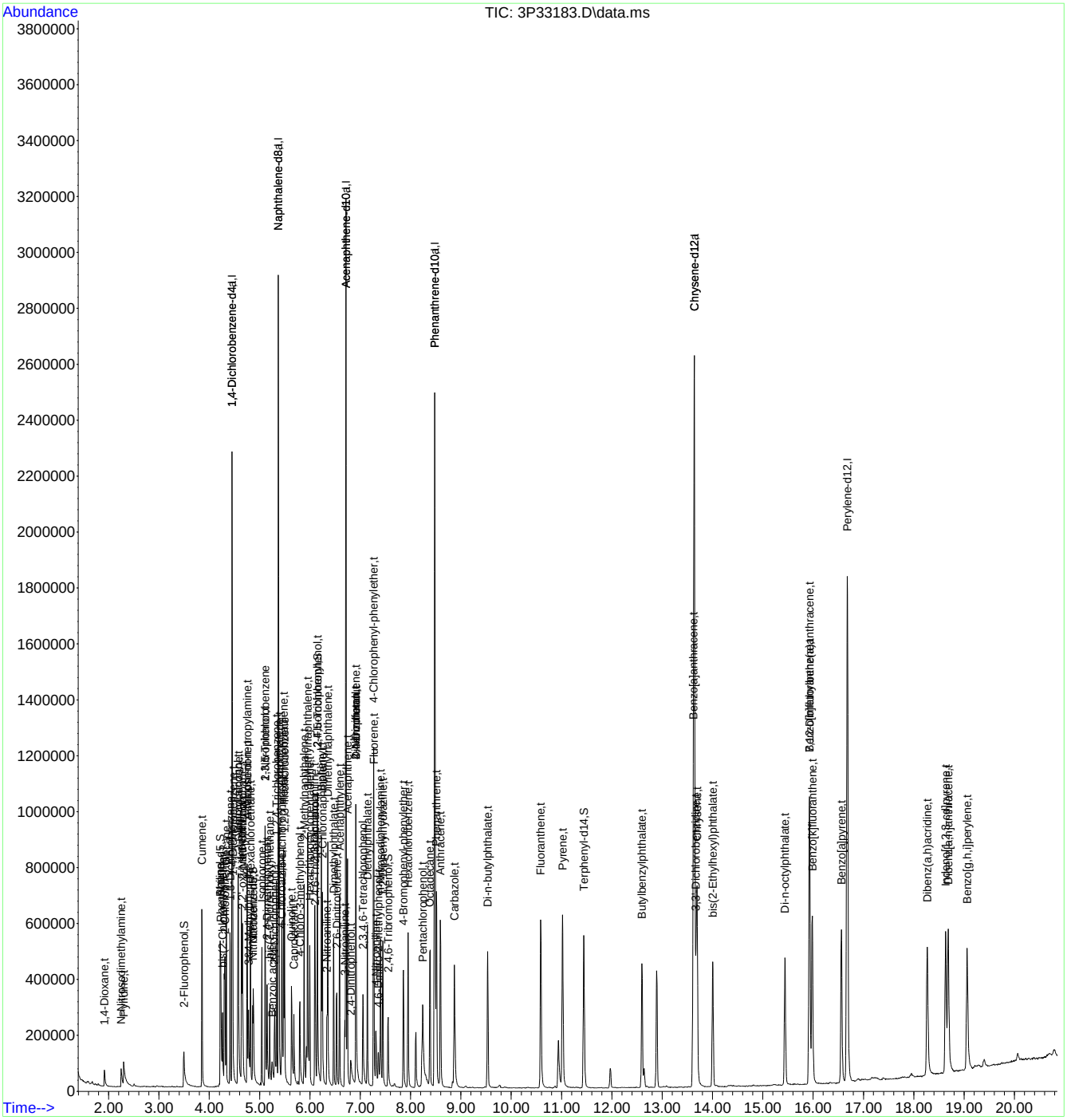
9.6.65

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33183.D
Acq On : 26 Jun 2014 12:52 pm
Operator : samtap
Sample : ic1417-10
Misc : op75725,e3p1417
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 13:15:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 13:11:09 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33184.D
Acq On : 26 Jun 2014 1:30 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 10:27:29 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

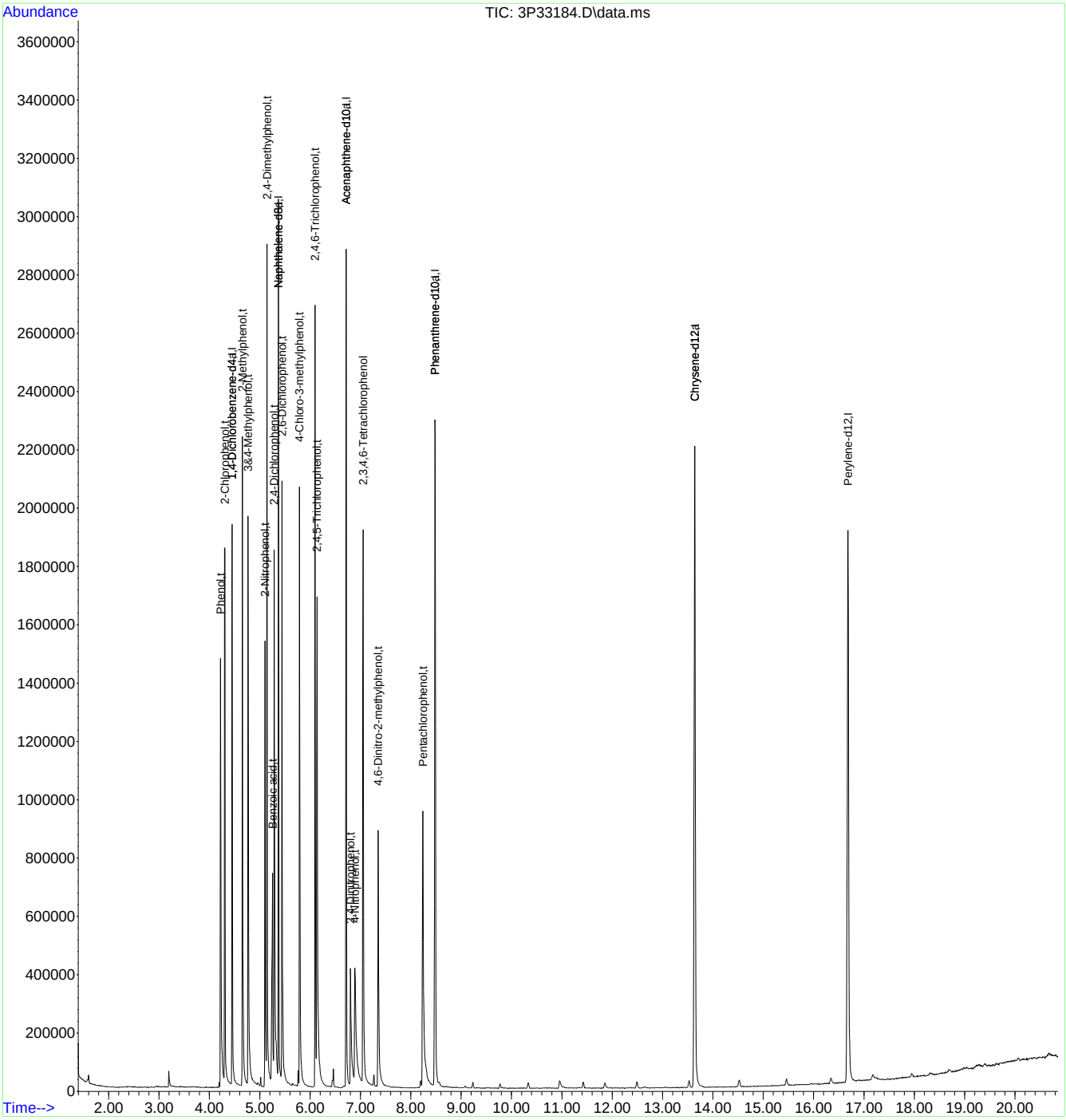
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	274457	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	918990	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	605108	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1153564	40.00	ppb	0.00
83) Chrysene-d12	13.641	240	1467250	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1352891	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	274457	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	605108	40.00	ppb	0.00
107) Chrysene-d12a	13.641	240	1467250	40.00	ppb	0.00
109) Naphthalene-d8a	5.372	136	918990	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1153564	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	4.222	94	513461	45.35	ppb	93
12) 2-Chlorophenol	4.307	128	453305	50.80	ppb	94
19) 2-Methylphenol	4.655	108	380000	54.76	ppb	98
21) 3&4-Methylphenol	4.767	108	400243	58.53	ppb	98
29) 2-Nitrophenol	5.104	139	239967	50.65	ppb	89
30) 2,4-Dimethylphenol	5.142	107	428967	60.54	ppb	96
31) Benzoic acid	5.254	105	262264	46.32	ppb	99
33) 2,4-Dichlorophenol	5.286	162	403017	53.32	ppb	98
34) 2,6-Dichlorophenol	5.441	162	394109	52.22	ppb	99
43) 4-Chloro-3-methylphenol	5.789	107	358730	49.90	ppb #	90
49) 2,4,6-Trichlorophenol	6.099	196	321398	50.09	ppb	99
50) 2,4,5-Trichlorophenol	6.136	196	376348	51.94	ppb	99
60) 2,4-Dinitrophenol	6.800	184	111195	45.84	ppb	91
61) 4-Nitrophenol	6.891	109	127781	51.39	ppb	96
64) 2,3,4,6-Tetrachlorophenol	7.051	232	309038	49.92	ppb	99
70) 4,6-Dinitro-2-methylph...	7.351	198	192172	49.36	ppb	98
76) Pentachlorophenol	8.238	266	228133	58.74	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33184.D
Acq On : 26 Jun 2014 1:30 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 10:27:29 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33185.D
Acq On : 26 Jun 2014 1:55 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:25:37 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.451	152	274875	40.00	ppb	0.00
24) Naphthalene-d8	5.371	136	965263	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	645314	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1282855	40.00	ppb	0.00
83) Chrysene-d12	13.646	240	1654002	40.00	ppb	0.00
91) Perylene-d12	16.684	264	1413590	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.451	152	274875	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	645314	40.00	ppb	0.00
107) Chrysene-d12a	13.646	240	1654002	40.00	ppb	0.00
109) Naphthalene-d8a	5.371	136	965263	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1282855	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.226	42	157118	37.08	ppb	94
11) bis(2-Chloroethyl)ether	4.259	93	316091	43.42	ppb	96
14) 1,3-Dichlorobenzene	4.409	146	448585	41.40	ppb	97
15) 1,4-Dichlorobenzene	4.462	146	452621	41.27	ppb	98
17) 1,2-Dichlorobenzene	4.574	146	430434	41.76	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.655	45	365867	42.91	ppb	84
22) n-Nitroso-di-n-propyla...	4.751	70	254541	45.69	ppb	98
23) Hexachloroethane	4.821	201	200873	40.75	ppb	99
26) Nitrobenzene	4.874	77	384925	40.85	ppb	98
28) Isophorone	5.040	82	636557	40.83	ppb	98
32) bis(2-Chloroethoxy)met...	5.200	93	403362	46.98	ppb	99
36) 1,2,4-Trichlorobenzene	5.334	180	431624	41.66	ppb	99
38) Naphthalene	5.387	128	1038265	42.26	ppb	99
42) Hexachlorobutadiene	5.478	225	271484	40.10	ppb	99
48) Hexachlorocyclopentadiene	5.997	237	143321	41.78	ppb	98
52) 2-Chloronaphthalene	6.249	162	824871	42.30	ppb	99
55) Dimethylphthalate	6.473	163	966744	45.08	ppb	99
56) Acenaphthylene	6.591	152	1075823	36.15	ppb	100
57) 2,6-Dinitrotoluene	6.532	165	213590	42.65	ppb	97
59) Acenaphthene	6.746	153	814504	44.52	ppb	97
63) 2,4-Dinitrotoluene	6.912	165	289804	42.70	ppb	90
65) Diethylphthalate	7.142	149	945649	43.82	ppb	99
66) Fluorene	7.270	166	989144	43.44	ppb	100
67) 4-Chlorophenyl-phenyle...	7.265	204	537677	44.73	ppb	100
71) n-Nitrosodiphenylamine	7.404	169	649570	42.60	ppb	98
72) 1,2-Diphenylhydrazine	7.447	77	855669	41.67	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33185.D
Acq On : 26 Jun 2014 1:55 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:25:37 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Bromophenyl-phenylether	7.859	248	354555	42.70	ppb	98
75) Hexachlorobenzene	7.949	284	406398	41.01	ppb	97
77) Phenanthrene	8.516	178	1472489	42.51	ppb	99
78) Anthracene	8.591	178	1452078	42.33	ppb	100
80) Di-n-butylphthalate	9.533	149	1777523	45.22	ppb	99
81) Fluoranthene	10.592	202	1935040	44.21	ppb	99
84) Pyrene	11.025	202	1969576	41.66	ppb	100
86) Butylbenzylphthalate	12.603	149	860858	45.25	ppb	99
87) Benzo[a]anthracene	13.624	228	2052254	42.35	ppb	99
89) Chrysene	13.705	228	1823446	43.19	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.009	149	1101155	44.27	ppb	98
92) Di-n-octylphthalate	15.448	149	1999492	44.60	ppb	100
93) Benzo[b]fluoranthene	15.935	252	2018532	41.77	ppb	95
94) Benzo[k]fluoranthene	15.994	252	1938328	42.40	ppb	100
95) Benzo[a]pyrene	16.571	252	1869522	44.22	ppb	100
96) Indeno[1,2,3-cd]pyrene	18.641	276	1751082	44.69	ppb	98
98) Dibenz[a,h]anthracene	18.690	278	1775819	44.66	ppb	99
100) Benzo[g,h,i]perylene	19.069	276	1741587	44.46	ppb	99

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

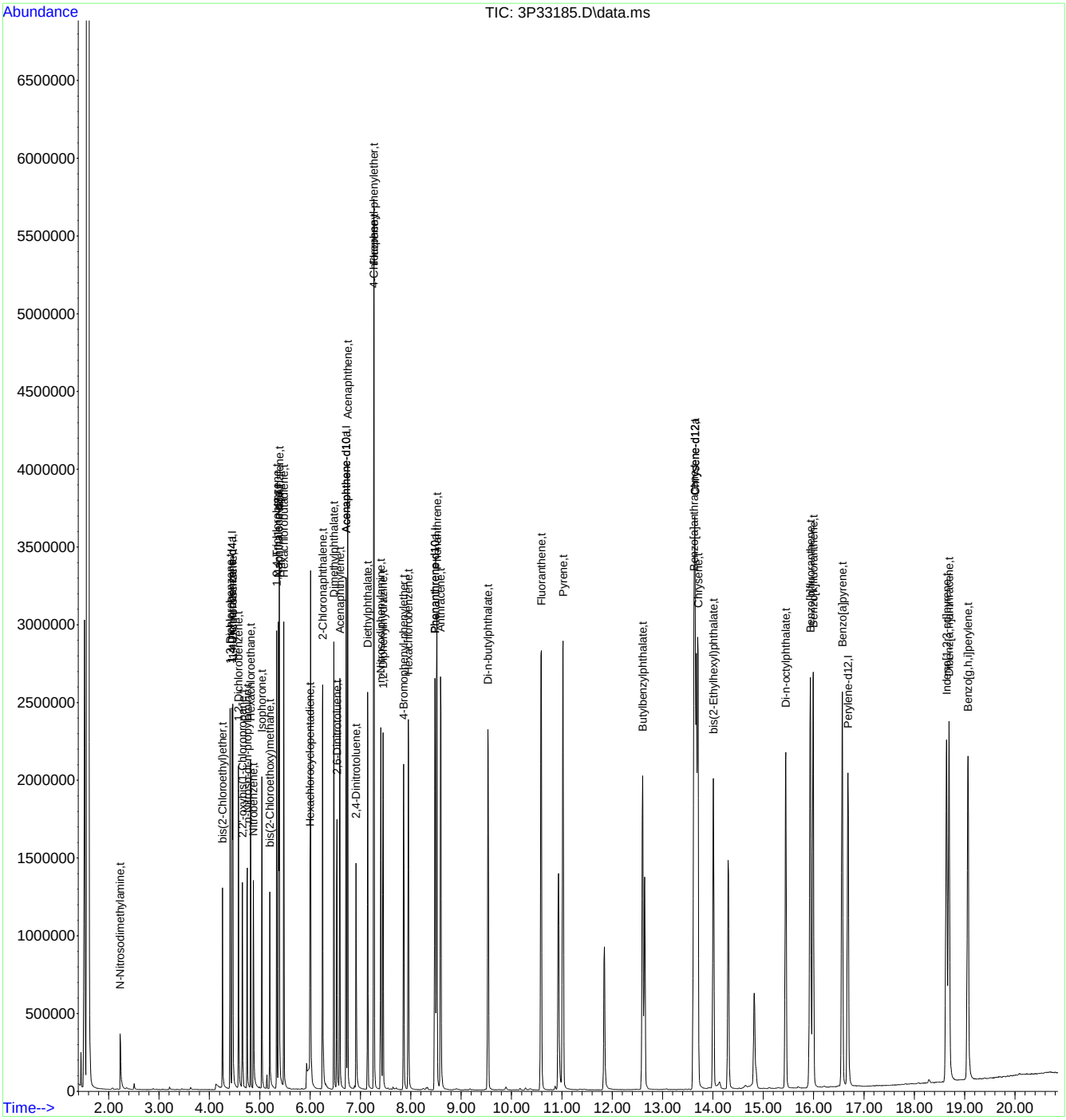
9.6.67

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33185.D
Acq On : 26 Jun 2014 1:55 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 15:25:37 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33186.D
Acq On : 26 Jun 2014 2:20 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:23:08 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

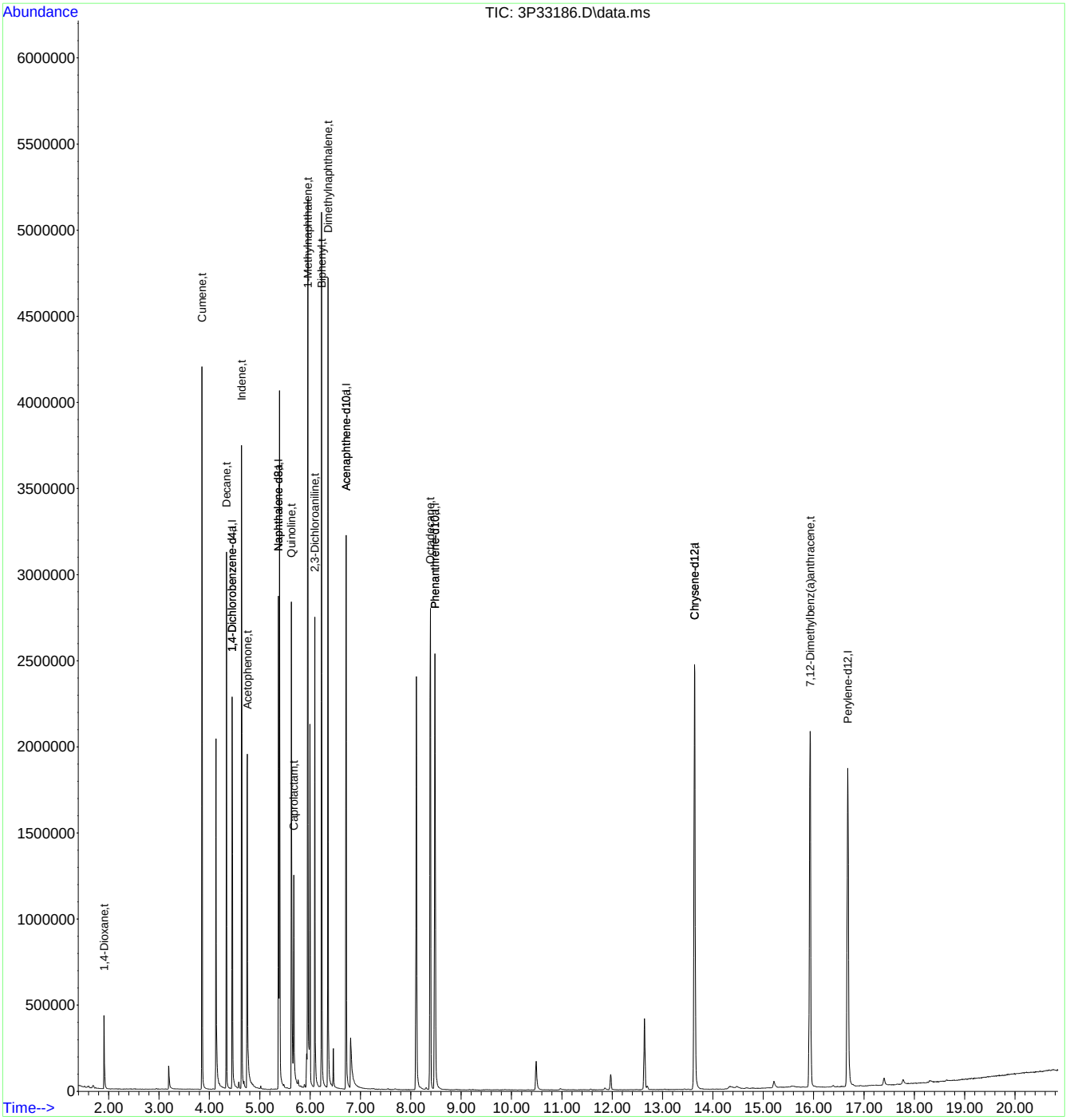
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.451	152	288618	40.00	ppb	0.00
24) Naphthalene-d8	5.371	136	960741	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	647012	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1273019	40.00	ppb	0.00
83) Chrysene-d12	13.635	240	1633693	40.00	ppb	-0.01
91) Perylene-d12	16.678	264	1319770	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.451	152	288618	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	647012	40.00	ppb	0.00
107) Chrysene-d12a	13.635	240	1633693	40.00	ppb	-0.01
109) Naphthalene-d8a	5.371	136	960741	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1273019	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.906	88	142060	42.46	ppb	95
6) Indene	4.639	116	798031	53.79	ppb	100
7) Cumene	3.852	105	1122964	49.52	ppb	99
13) Decane	4.339	43	364092	48.07	ppb	99
18) Acetophenone	4.751	105	648049	53.78	ppb	100
27) Quinoline	5.628	129	940767	53.79	ppb	98
40) 2,3-Dichloroaniline	6.093	161	519018	48.20	ppb	99
41) Caprolactam	5.676	113	135505	53.35	ppb	99
45) 1-Methylnaphthalene	5.954	141	863999	54.00	ppb	99
46) Dimethylnaphthalene	6.356	156	916776	52.65	ppb	99
53) Biphenyl	6.227	154	1241882	51.65	ppb	99
82) Octadecane	8.388	57	602288	54.93	ppb	99
99) 7,12-Dimethylbenz(a)an...	15.930	256	801971	37.20	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33186.D
Acq On : 26 Jun 2014 2:20 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 15:23:08 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



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ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33187.D
Acq On : 26 Jun 2014 2:46 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 09:11:57 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

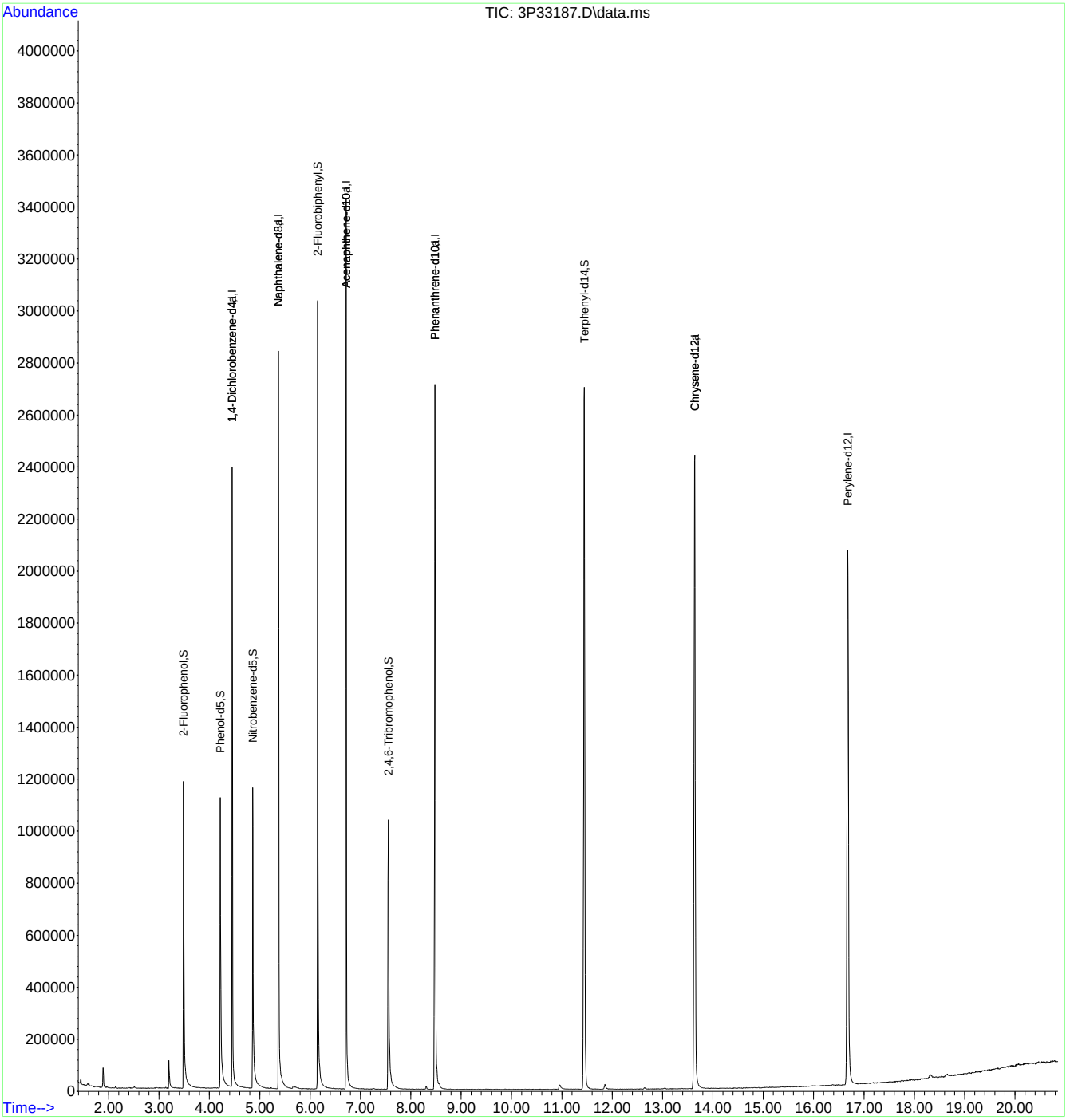
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	302822	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	1091033	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	707449	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1350980	40.00	ppb	0.00
83) Chrysene-d12	13.641	240	1690145	40.00	ppb	0.00
91) Perylene-d12	16.679	264	1512898	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	302822	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	707449	40.00	ppb	0.00
107) Chrysene-d12a	13.641	240	1690145	40.00	ppb	0.00
109) Naphthalene-d8a	5.372	136	1091033	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1350980	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.484	112	375209	44.27	ppb	0.00
Spiked Amount 50.000			Recovery =	88.54%		
8) Phenol-d5	4.216	99	460182	44.23	ppb	0.00
Spiked Amount 50.000			Recovery =	88.46%		
25) Nitrobenzene-d5	4.858	82	434241	43.08	ppb	0.00
Spiked Amount 50.000			Recovery =	86.16%		
51) 2-Fluorobiphenyl	6.152	172	1024312	43.00	ppb	0.00
Spiked Amount 50.000			Recovery =	86.00%		
73) 2,4,6-Tribromophenol	7.554	330	199984	45.88	ppb	0.00
Spiked Amount 50.000			Recovery =	91.76%		
85) Terphenyl-d14	11.448	244	1570707	45.00	ppb	0.00
Spiked Amount 50.000			Recovery =	90.00%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 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\E3P1417\
Data File : 3P33187.D
Acq On : 26 Jun 2014 2:46 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 09:11:57 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33188.D
Acq On : 26 Jun 2014 3:11 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 15:23:27 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	193437	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	764322	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	515340	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	972578	40.00	ppb	0.00
83) Chrysene-d12	13.635	240	1283826	40.00	ppb	-0.01
91) Perylene-d12	16.679	264	1219633	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.452	152	193437	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	515340	40.00	ppb	0.00
107) Chrysene-d12a	13.635	240	1283826	40.00	ppb	-0.01
109) Naphthalene-d8a	5.372	136	764322	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	972578	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
88) 3,3'-Dichlorobenzidine	13.667	252	634909	46.05	ppb	98

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

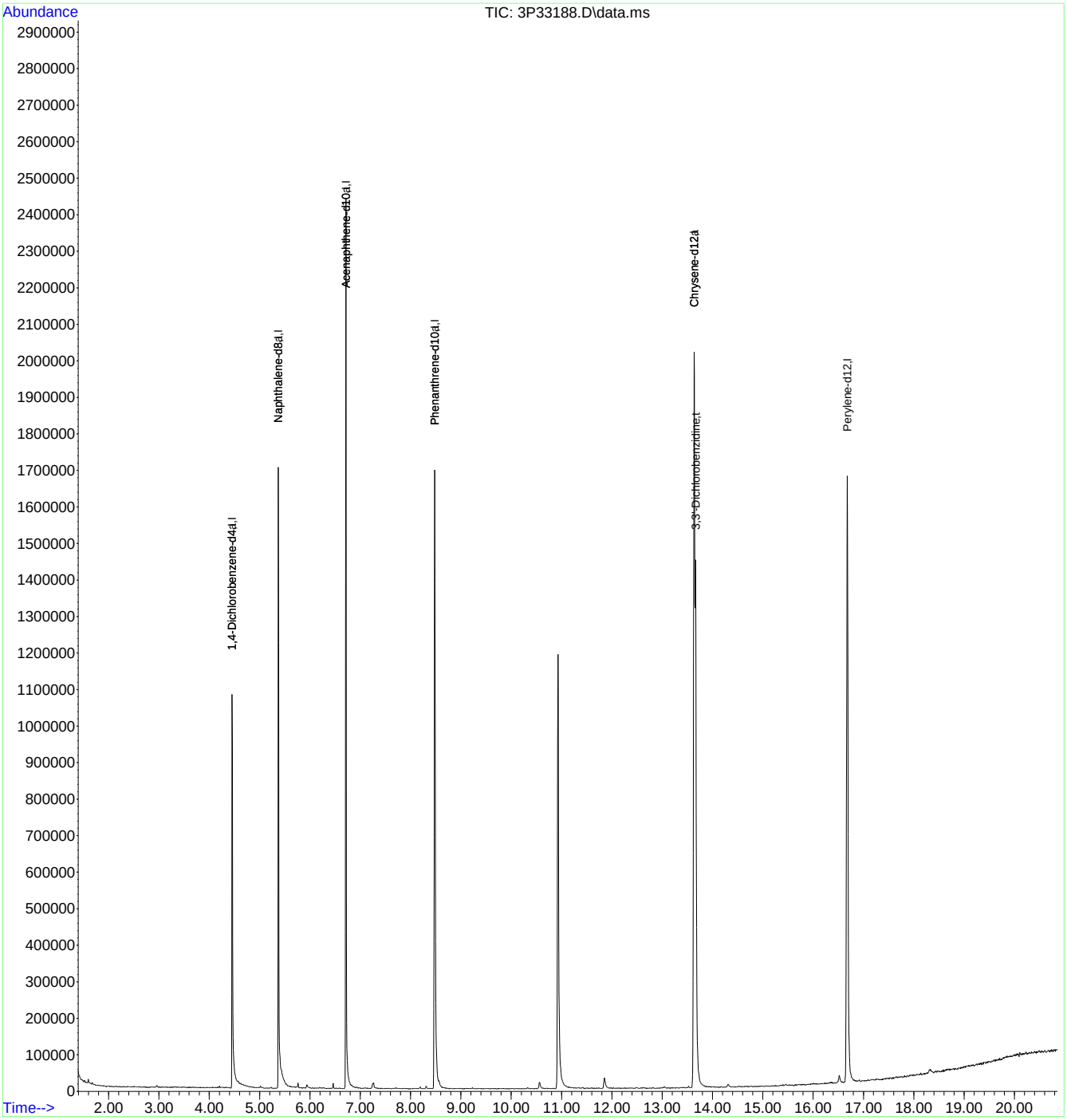
9.6.70

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33188.D
Acq On : 26 Jun 2014 3:11 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 15:23:27 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33189.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 27 09:25:28 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration

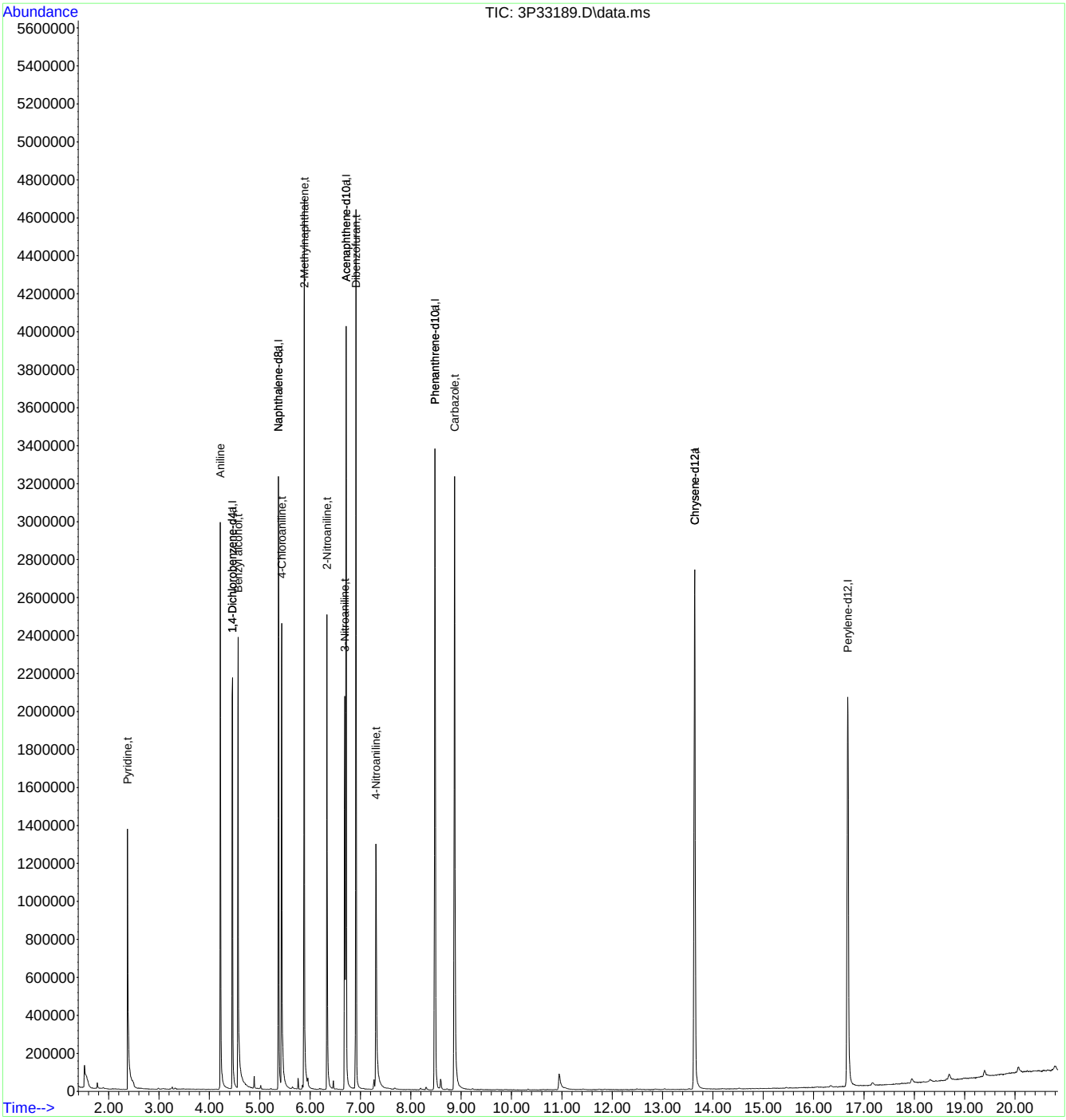
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.457	152	345341	40.00	ppb	0.00
24) Naphthalene-d8	5.372	136	1324276	40.00	ppb	0.00
47) Acenaphthene-d10	6.714	164	839323	40.00	ppb	0.00
69) Phenanthrene-d10	8.479	188	1636697	40.00	ppb	0.00
83) Chrysene-d12	13.641	240	1863761	40.00	ppb	0.00
91) Perylene-d12	16.679	264	1512529	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.457	152	345341	40.00	ppb	0.00
103) Acenaphthene-d10a	6.714	164	839323	40.00	ppb	0.00
107) Chrysene-d12a	13.641	240	1863761	40.00	ppb	0.00
109) Naphthalene-d8a	5.372	136	1324276	40.00	ppb	0.00
111) Phenanthrene-d10a	8.479	188	1636675	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.371	79	543111	56.38	ppb	98
10) Aniline	4.216	93	890755	61.91	ppb	94
16) Benzyl alcohol	4.569	108	390173	64.16	ppb	100
39) 4-Chloroaniline	5.436	127	756251	52.16	ppb	99
44) 2-Methylnaphthalene	5.885	141	1046427	48.77	ppb	100
54) 2-Nitroaniline	6.334	65	357740	50.44	ppb	94
58) 3-Nitroaniline	6.687	138	346119	51.08	ppb	96
62) Dibenzofuran	6.912	168	1781732	49.02	ppb	99
68) 4-Nitroaniline	7.308	138	333086	52.87	ppb	94
79) Carbazole	8.870	167	2011159	47.96	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1417\
Data File : 3P33189.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : icv1417-50
Misc : op75725,e3p1417
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 27 09:25:28 2014
Quant Method : C:\msdchem\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 17:56:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33223.D
Acq On : 27 Jun 2014 9:39 am
Operator : samtap
Sample : cc1417-25
Misc : op75725,e3p1419
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 10:05:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.457	152	302918	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	1006444	40.00	ppb	0.00
47) Acenaphthene-d10	6.719	164	638114	40.00	ppb	0.00
69) Phenanthrene-d10	8.490	188	1148938	40.00	ppb	0.00
83) Chrysene-d12	13.662	240	1347345	40.00	ppb	0.02
91) Perylene-d12	16.705	264	1177608	40.00	ppb	0.02
101) 1,4-Dichlorobenzene-d4a	4.457	152	302918	40.00	ppb	0.00
103) Acenaphthene-d10a	6.719	164	638114	40.00	ppb	0.00
107) Chrysene-d12a	13.662	240	1347345	40.00	ppb	0.02
109) Naphthalene-d8a	5.377	136	1006444	40.00	ppb	0.00
111) Phenanthrene-d10a	8.490	188	1148938	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.494	112	195275	23.03	ppb	0.00
Spiked Amount 50.000			Recovery = 46.06%			
8) Phenol-d5	4.222	99	249662	23.99	ppb	0.00
Spiked Amount 50.000			Recovery = 47.98%			
25) Nitrobenzene-d5	4.863	82	213384	22.95	ppb	0.00
Spiked Amount 50.000			Recovery = 45.90%			
51) 2-Fluorobiphenyl	6.152	172	490405	22.82	ppb	0.00
Spiked Amount 50.000			Recovery = 45.64%			
73) 2,4,6-Tribromophenol	7.564	330	84576	22.81	ppb	0.01
Spiked Amount 50.000			Recovery = 45.62%			
85) Terphenyl-d14	11.458	244	656631	23.60	ppb	0.01
Spiked Amount 50.000			Recovery = 47.20%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.932	88	85602	24.38	ppb	98
3) Pyridine	2.291	79	199891	23.66	ppb	97
4) N-Nitrosodimethylamine	2.253	42	112178	24.02	ppb	96
6) Indene	4.644	116	360687	23.17	ppb	99
7) Cumene	3.858	105	554169	23.28	ppb	98
9) Phenol	4.232	94	294737	23.59	ppb	93
10) Aniline	4.216	93	293960	23.29	ppb	88
11) bis(2-Chloroethyl)ether	4.264	93	190671	23.77	ppb	99
12) 2-Chlorophenol	4.313	128	233130	23.67	ppb	98
13) Decane	4.339	43	188126	23.66	ppb	99
14) 1,3-Dichlorobenzene	4.414	146	277195	23.22	ppb	99
15) 1,4-Dichlorobenzene	4.468	146	286475	23.70	ppb	98
16) Benzyl alcohol	4.569	108	127945	23.99	ppb	96
17) 1,2-Dichlorobenzene	4.580	146	266009	23.42	ppb	100
18) Acetophenone	4.751	105	295162	23.34	ppb	98
19) 2-Methylphenol	4.666	108	186824	24.39	ppb	95
20) 2,2'-oxybis(1-Chloropr...	4.655	45	206498	21.98	ppb	83
21) 3&4-Methylphenol	4.783	108	199614	26.45	ppb	99
22) n-Nitroso-di-n-propyla...	4.751	70	138714	22.60	ppb	93
23) Hexachloroethane	4.821	201	118285	21.77	ppb	96
26) Nitrobenzene	4.874	77	224222	22.82	ppb	99
27) Quinoline	5.634	129	394425	21.53	ppb	97
28) Isophorone	5.045	82	356866	21.95	ppb	99
29) 2-Nitrophenol	5.109	139	121344	23.39	ppb	74
30) 2,4-Dimethylphenol	5.152	107	194249	25.03	ppb	97
31) Benzoic acid	5.259	105	134302	24.66	ppb	97

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33223.D
Acq On : 27 Jun 2014 9:39 am
Operator : samtap
Sample : cc1417-25
Misc : op75725,e3p1419
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 10:05:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) bis(2-Chloroethoxy)met...	5.200	93	205984	23.01	ppb		99
33) 2,4-Dichlorophenol	5.302	162	195418	23.61	ppb		97
34) 2,6-Dichlorophenol	5.446	162	189497	22.93	ppb		97
35) 1,3,5-Trichlorobenzene	5.115	180	267343	23.19	ppb		99
36) 1,2,4-Trichlorobenzene	5.339	180	242262	22.43	ppb		98
37) 1,2,3-Trichlorobenzene	5.500	180	237633	22.47	ppb		97
38) Naphthalene	5.393	128	569580	22.24	ppb		99
39) 4-Chloroaniline	5.436	127	251893	22.86	ppb		97
40) 2,3-Dichloroaniline	6.099	161	245146	21.73	ppb		98
41) Caprolactam	5.698	113	57972	21.79	ppb		93
42) Hexachlorobutadiene	5.479	225	155097	21.97	ppb		99
43) 4-Chloro-3-methylphenol	5.805	107	169627	21.54	ppb	#	93
44) 2-Methylnaphthalene	5.885	141	365758	22.43	ppb		100
45) 1-Methylnaphthalene	5.955	141	365660	21.82	ppb		100
46) Dimethylnaphthalene	6.361	156	393382	21.56	ppb		100
48) Hexachlorocyclopentadiene	5.997	237	134122	40.16	ppb		97
49) 2,4,6-Trichlorophenol	6.110	196	151478	22.39	ppb		98
50) 2,4,5-Trichlorophenol	6.152	196	171309	22.42	ppb		98
52) 2-Chloronaphthalene	6.249	162	434406	22.53	ppb		99
53) Biphenyl	6.233	154	522982	22.06	ppb		99
54) 2-Nitroaniline	6.340	65	116606	21.63	ppb		99
55) Dimethylphthalate	6.479	163	461512	21.76	ppb		99
56) Acenaphthylene	6.596	152	658079	22.36	ppb		99
57) 2,6-Dinitrotoluene	6.538	165	109720	22.16	ppb		97
58) 3-Nitroaniline	6.698	138	112491	21.84	ppb		97
59) Acenaphthene	6.751	153	398837	22.05	ppb		99
60) 2,4-Dinitrophenol	6.816	184	112992	44.17	ppb		98
61) 4-Nitrophenol	6.933	109	50033	19.08	ppb	#	54
62) Dibenzofuran	6.917	168	596182	21.58	ppb		96
63) 2,4-Dinitrotoluene	6.923	165	150678	22.45	ppb		95
64) 2,3,4,6-Tetrachlorophenol	7.062	232	132626	20.32	ppb		95
65) Diethylphthalate	7.147	149	451996	21.18	ppb		98
66) Fluorene	7.276	166	489261	21.73	ppb		99
67) 4-Chlorophenyl-phenyle...	7.270	204	257980	21.70	ppb		99
68) 4-Nitroaniline	7.329	138	106946	22.33	ppb		94
70) 4,6-Dinitro-2-methylph...	7.372	198	81017	20.89	ppb		91
71) n-Nitrosodiphenylamine	7.415	169	318756	23.34	ppb		98
72) 1,2-Diphenylhydrazine	7.457	77	417613	22.71	ppb		99
74) 4-Bromophenyl-phenylether	7.864	248	171615	23.07	ppb		98
75) Hexachlorobenzene	7.960	284	196410	22.13	ppb		98
76) Pentachlorophenol	8.260	266	166125	44.95	ppb		99
77) Phenanthrene	8.527	178	699232	22.54	ppb		99
78) Anthracene	8.602	178	709515	23.10	ppb		99
79) Carbazole	8.880	167	664145	22.56	ppb		99
80) Di-n-butylphthalate	9.543	149	782149	22.22	ppb		99
81) Fluoranthene	10.602	202	850605	21.70	ppb		100
82) Octadecane	8.394	57	230097	23.25	ppb		99
84) Pyrene	11.036	202	890149	23.11	ppb		99
86) Butylbenzylphthalate	12.614	149	351296	22.67	ppb		98
87) Benzo[a]anthracene	13.641	228	862450	21.85	ppb		99
88) 3,3'-Dichlorobenzidine	13.689	252	328014	22.67	ppb		99
89) Chrysene	13.715	228	772429	22.46	ppb		99
90) bis(2-Ethylhexyl)phtha...	14.020	149	464669	22.93	ppb		99
92) Di-n-octylphthalate	15.459	149	819194	21.93	ppb		99
93) Benzo[b]fluoranthene	15.962	252	864480	21.47	ppb		99
94) Benzo[k]fluoranthene	16.010	252	811102	21.30	ppb		99
95) Benzo[a]pyrene	16.593	252	761951	21.63	ppb		99
96) Indeno[1,2,3-cd]pyrene	18.668	276	671942	20.58	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33223.D
Acq On : 27 Jun 2014 9:39 am
Operator : samtap
Sample : cc1417-25
Misc : op75725,e3p1419
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 10:05:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	Dibenz(a,h)acridine	18.299	279	640963	20.36	ppb	98
98)	Dibenz[a,h]anthracene	18.716	278	702073	21.20	ppb	99
99)	7,12-Dimethylbenz(a)an...	15.956	256	404226	22.76	ppb	98
100)	Benzo[g,h,i]perylene	19.096	276	670916	20.56	ppb	99

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

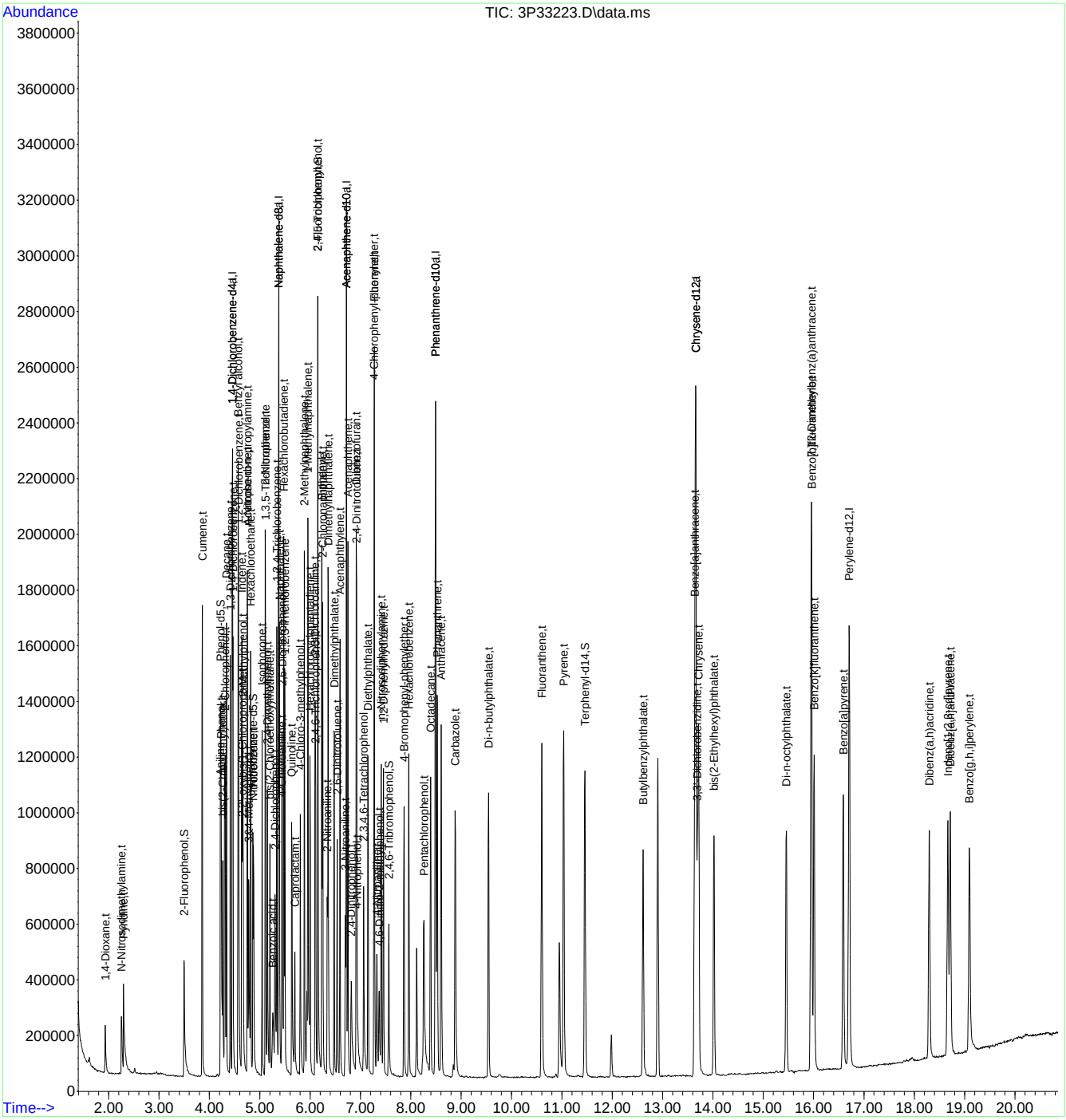
9.6.72

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33223.D
Acq On : 27 Jun 2014 9:39 am
Operator : samtap
Sample : cc1417-25
Misc : op75725,e3p1419
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 10:05:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration



9.6.72 9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33224.D
Acq On : 27 Jun 2014 10:07 am
Operator : samtap
Sample : cc1390-25
Misc : op75725,e3p1419
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 10:34:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

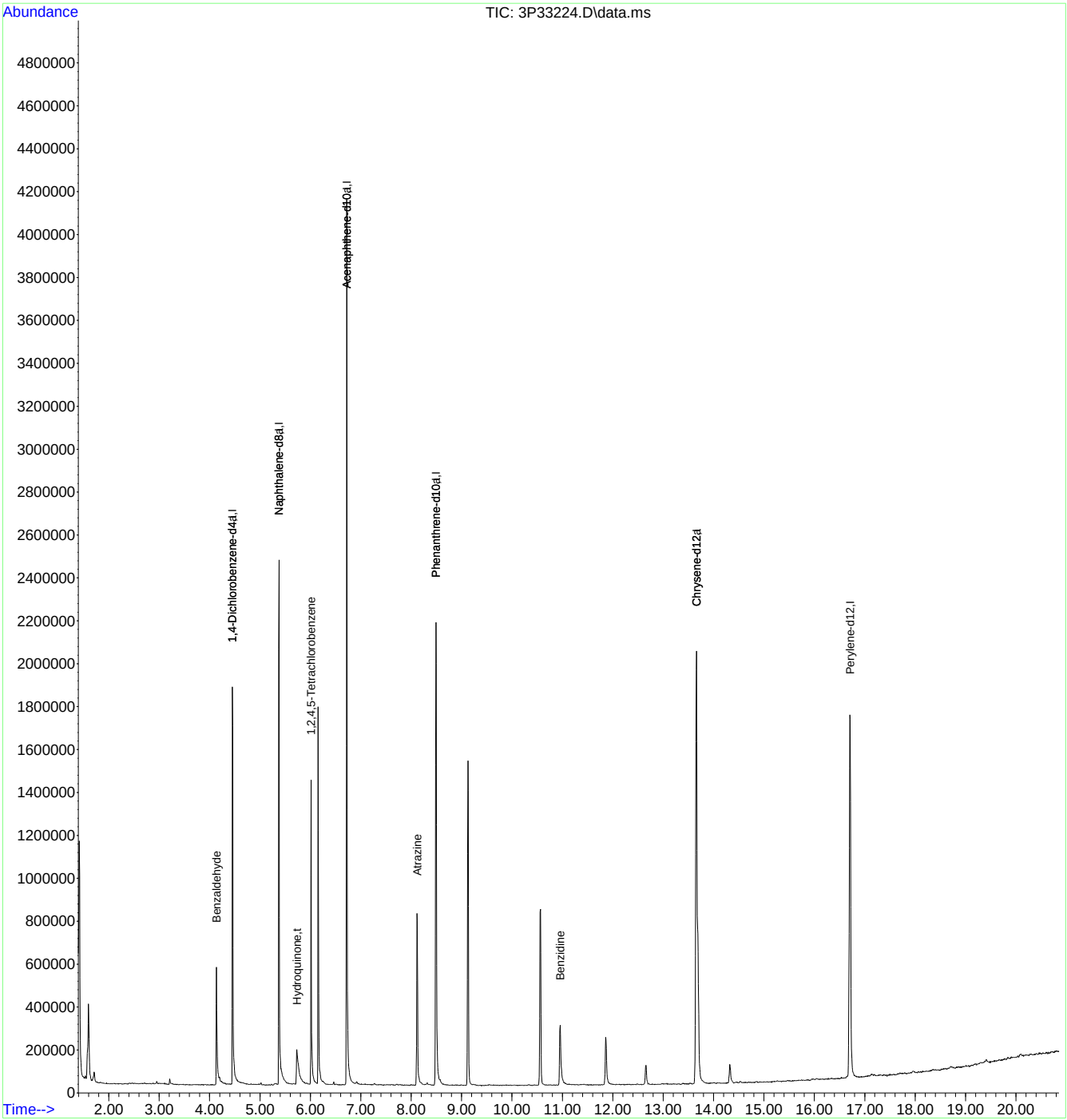
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.452	152	308878	40.00	ppb	0.00
24) Naphthalene-d8	5.377	136	1106854	40.00	ppb	0.00
47) Acenaphthene-d10	6.719	164	685530	40.00	ppb	0.00
69) Phenanthrene-d10	8.490	188	1181159	40.00	ppb	0.00
83) Chrysene-d12	13.662	240	1353722	40.00	ppb	0.02
91) Perylene-d12	16.711	264	1252418	40.00	ppb	0.03
101) 1,4-Dichlorobenzene-d4a	4.452	152	308878	40.00	ppb	0.00
103) Acenaphthene-d10a	6.719	164	685530	40.00	ppb	0.00
107) Chrysene-d12a	13.662	240	1353722	40.00	ppb	0.02
109) Naphthalene-d8a	5.377	136	1106854	40.00	ppb	0.00
111) Phenanthrene-d10a	8.490	188	1181159	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%		
112) o-Terphenyl	9.126	230	433524	0.00	ppb	-0.21
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	10.565	57	156887	0.00	ppb	-0.22
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.136	105	145876	22.32	ppb	94
105) Atrazine	8.121	215	77270	29.37	ppb	93
106) 1,2,4,5-Tetrachloroben...	6.013	216	280191	28.37	ppb	98
108) Benzidine	10.955	184	241707	13.99	ppb	99
110) Hydroquinone	5.730	110	200329	25.78	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1419\
Data File : 3P33224.D
Acq On : 27 Jun 2014 10:07 am
Operator : samtap
Sample : cc1390-25
Misc : op75725,e3p1419
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 10:34:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1417.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8273.D
Acq On : 26 Jun 2014 3:08 pm
Operator : samtap
Sample : ic357-100
Misc : op75816,e6p357
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:11:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:10:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.531	152	220178	40.00	ppb		0.00
24) Naphthalene-d8	5.611	136	896578	40.00	ppb		0.00
47) Acenaphthene-d10	7.660	164	553775	40.00	ppb		0.00
69) Phenanthrene-d10	9.831	188	884116	40.00	ppb		0.00
83) Chrysene-d12	14.030	240	871212	40.00	ppb		0.00
92) Perylene-d12	16.143	264	982814	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	220178	40.00	ppb		0.00
104) Phenanthrene-d10a	9.831	188	884116	40.00	ppb		0.00
107) Chrysene-d12a	14.030	240	871212	40.00	ppb		0.00
110) Acenaphthene-d10a	7.660	164	553775	40.00	ppb		0.00
112) Naphthalene-d8a	5.611	136	896578	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.530	112	831713	106.34	ppb		0.00
Spiked Amount 50.000			Recovery = 212.68%				
8) Phenol-d5	4.274	99	1002189	98.12	ppb		0.00
Spiked Amount 50.000			Recovery = 196.24%				
25) Nitrobenzene-d5	4.975	82	956294	98.52	ppb		0.00
Spiked Amount 50.000			Recovery = 197.04%				
51) 2-Fluorobiphenyl	6.798	172	1595297	93.97	ppb		0.00
Spiked Amount 50.000			Recovery = 187.94%				
73) 2,4,6-Tribromophenol	8.788	330	244814	116.41	ppb		0.00
Spiked Amount 50.000			Recovery = 232.82%				
86) Terphenyl-d14	12.404	244	1940096	113.03	ppb		0.00
Spiked Amount 50.000			Recovery = 226.06%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.995	88	362804	103.31	ppb		92
3) Pyridine	2.332	79	989119	114.32	ppb		99
4) N-Nitrosodimethylamine	2.290	74	590279	107.05	ppb		97
6) Indene	4.734	116	1282650	93.90	ppb		97
7) Cumene	3.926	105	1985721	98.79	ppb		99
9) Phenol	4.285	94	1114136	91.84	ppb	#	26
10) Aniline	4.285	93	1047320	81.47	ppb	#	24
11) bis(2-Chloroethyl)ether	4.338	93	841333	99.16	ppb		100
12) 2-Chlorophenol	4.381	128	784599	98.77	ppb		98
13) Decane	4.418	43	847656	98.90	ppb		98
14) 1,3-Dichlorobenzene	4.488	146	851886	97.03	ppb		97
15) 1,4-Dichlorobenzene	4.547	146	849148	95.65	ppb		99
16) Benzyl alcohol	4.648	108	542017	100.69	ppb		99
17) 1,2-Dichlorobenzene	4.664	146	776404	94.03	ppb		99
18) Acetophenone	4.852	105	1071909	89.59	ppb		91
19) 2-Methylphenol	4.739	108	667227	88.33	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.750	121	257547	94.59	ppb		95
21) 3&4-Methylphenol	4.862	108	692592	85.84	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8273.D
Acq On : 26 Jun 2014 3:08 pm
Operator : samtap
Sample : ic357-100
Misc : op75816,e6p357
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:11:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:10:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.857	70	537834	82.97	ppb	97
23) Hexachloroethane	4.932	201	303448	95.73	ppb	95
26) Nitrobenzene	4.991	77	1036772	98.83	ppb	95
27) Quinoline	5.969	129	1674185	104.73	ppb	99
28) Isophorone	5.194	82	1727004	101.13	ppb	99
29) 2-Nitrophenol	5.263	139	442627	104.15	ppb	97
30) 2,4-Dimethylphenol	5.306	107	821259	112.39	ppb	99
31) Benzoic Acid	5.445	105	673250	102.91	ppb	98
32) bis(2-Chloroethoxy)met...	5.386	93	989297	98.28	ppb	99
33) 2,4-Dichlorophenol	5.483	162	659473	103.15	ppb	97
34) 2,6-Dichlorophenol	5.702	162	625100	96.13	ppb	99
35) 1,3,5-Trichlorobenzene	5.274	180	694310	91.55	ppb	99
36) 1,2,4-Trichlorobenzene	5.558	180	689909	95.06	ppb	98
37) 1,2,3-Trichlorobenzene	5.777	180	672761	94.23	ppb	100
38) Naphthalene	5.632	128	2218637	95.00	ppb	99
39) 4-Chloroaniline	5.691	127	899613	92.04	ppb	99
40) 2,3-Dichloroaniline	6.686	161	818168	97.24	ppb	98
41) Caprolactam	6.082	55	437732	114.48	ppb	97
42) Hexachlorobutadiene	5.761	225	362941	93.14	ppb	99
43) 4-Chloro-3-methylphenol	6.205	107	791906	107.90	ppb	98
44) 2-Methylnaphthalene	6.355	141	1297299	96.97	ppb	99
45) 1-Methylnaphthalene	6.467	141	1297957	95.54	ppb	98
46) Dimethylnaphthalene	7.114	156	1387185	99.34	ppb	99
48) Hexachlorocyclopentadiene	6.547	237	806069	183.24	ppb	100
49) 2,4,6-Trichlorophenol	6.697	196	478691	100.95	ppb	100
50) 2,4,5-Trichlorophenol	6.750	196	551111	105.95	ppb	99
52) 2-Chloronaphthalene	6.938	162	1470993	93.19	ppb	98
53) Biphenyl	6.916	154	1810132	94.35	ppb	98
54) 2-Nitroaniline	7.077	65	577669	111.64	ppb	94
55) Dimethylphthalate	7.328	163	1693388	99.93	ppb	99
56) Acenaphthylene	7.467	152	2362977	101.77	ppb	99
57) 2,6-Dinitrotoluene	7.398	165	429927	113.29	ppb	98
58) 3-Nitroaniline	7.622	138	488163	111.89	ppb	97
59) Acenaphthene	7.708	153	1439770	97.02	ppb	99
60) 2,4-Dinitrophenol	7.767	184	559516	222.43	ppb	97
61) 4-Nitrophenol	7.900	109	281240	122.61	ppb	94
62) Dibenzofuran	7.948	168	1969494	91.23	ppb	98
63) 2,4-Dinitrotoluene	7.954	165	529355	104.08	ppb	89
64) 2,3,4,6-Tetrachlorophenol	8.136	232	439660	111.85	ppb	95
65) Diethylphthalate	8.328	149	1600734	82.02	ppb	98
66) Fluorene	8.435	166	1736507	99.42	ppb	98
67) 4-Chlorophenyl-phenyle...	8.457	204	789410	94.26	ppb	98
68) 4-Nitroaniline	8.499	138	487408	112.63	ppb	98
70) 4,6-Dinitro-2-methylph...	8.537	198	393333	113.58	ppb	96
71) n-Nitrosodiphenylamine	8.638	169	1212099	102.28	ppb	98
72) 1,2-Diphenylhydrazine	8.687	77	2116591	101.65	ppb	99
74) 4-Bromophenyl-phenylether	9.179	248	462279	101.91	ppb	97
75) Hexachlorobenzene	9.259	284	529269	97.85	ppb	99
76) Pentachlorophenol	9.569	266	684698	211.71	ppb	97
77) Phenanthrene	9.869	178	2475508	96.25	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8273.D
Acq On : 26 Jun 2014 3:08 pm
Operator : samtap
Sample : ic357-100
Misc : op75816,e6p357
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:11:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:10:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.949	178	2505438	100.07	ppb	99
79) Carbazole	10.222	167	2500298	103.87	ppb	100
80) Di-n-butylphthalate	10.869	149	2799775	112.11	ppb	99
81) Fluoranthene	11.735	202	2820507	105.96	ppb	99
82) Octadecane	9.810	57	1210193	109.87	ppb	99
84) Pyrene	12.083	202	2980263	107.73	ppb	98
85) Butyl stearate	13.436	56	907601	109.59	ppb	98
87) Butylbenzylphthalate	13.249	149	1337415	139.18	ppb	98
88) Benzo[a]anthracene	14.014	228	2646913	116.38	ppb	100
89) 3,3'-Dichlorobenzidine	14.030	252	953721	124.87	ppb	99
90) Chrysene	14.078	228	2628195	113.86	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.222	149	1849241	144.96	ppb	99
93) Di-n-octylphthalate	15.217	149	3285523	155.38	ppb	100
94) Benzo[b]fluoranthene	15.634	252	3124779	130.78	ppb	96
95) Benzo[k]fluoranthene	15.683	252	2694580	98.99	ppb	99
96) Benzo[a]pyrene	16.073	252	2796755	134.25	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.635	276	3212373	177.84	ppb	100
98) Dibenz(a,h)acridine	17.298	279	2805574	179.08	ppb	100
99) Dibenz[a,h]anthracene	17.678	278	3122028	157.89	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.645	256	1319134	120.49	ppb	98
101) Benzo[g,h,i]perylene	18.057	276	3126103	138.49	ppb	98

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

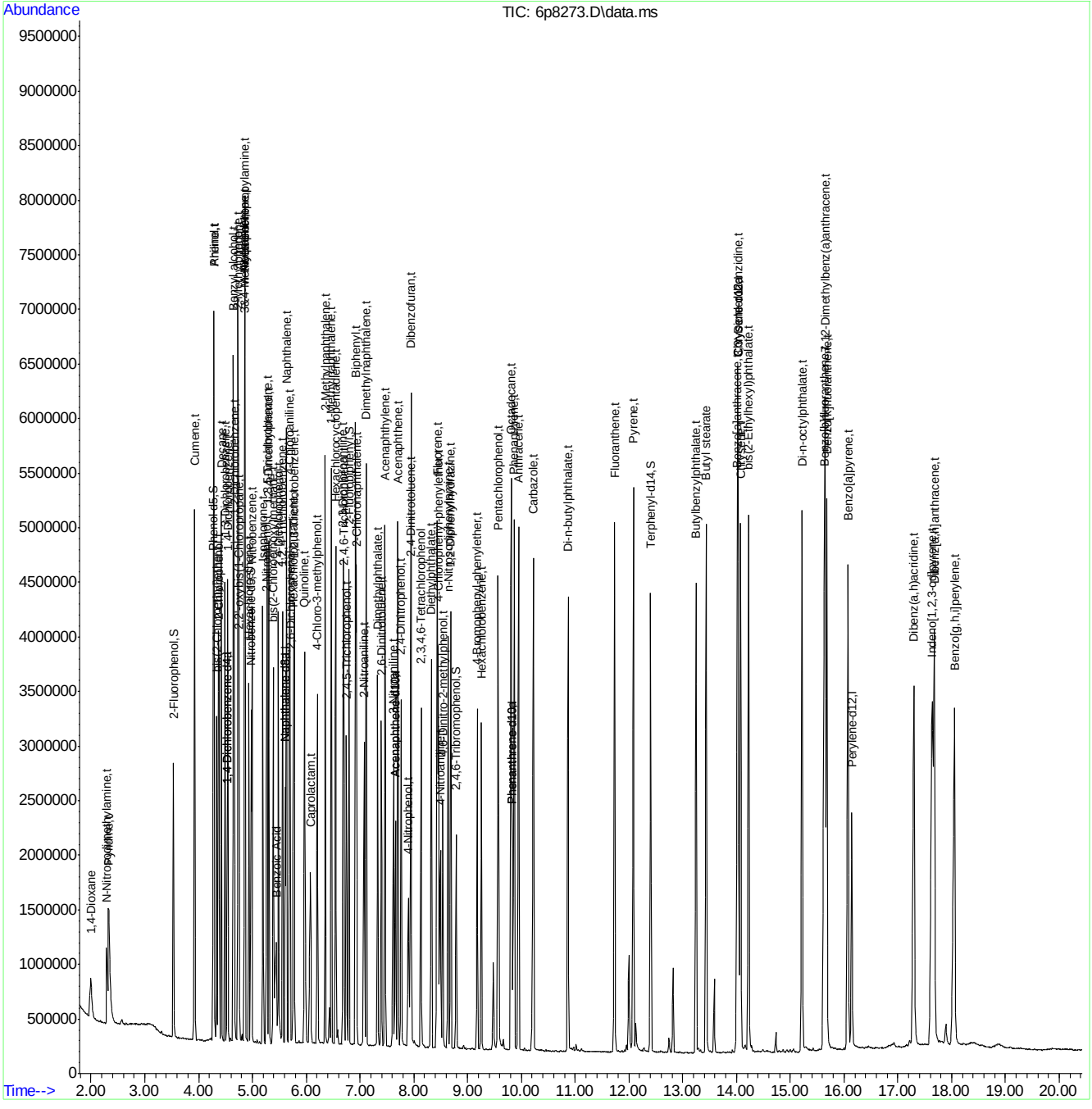
9.6.74

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8273.D
Acq On : 26 Jun 2014 3:08 pm
Operator : samtap
Sample : ic357-100
Misc : op75816,e6p357
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 16:11:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:10:46 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.531	152	309596	40.00	ppb		0.00
24) Naphthalene-d8	5.606	136	1228027	40.00	ppb		0.00
47) Acenaphthene-d10	7.654	164	752835	40.00	ppb		0.00
69) Phenanthrene-d10	9.826	188	1259484	40.00	ppb		0.00
83) Chrysene-d12	14.019	240	1367120	40.00	ppb		-0.01
92) Perylene-d12	16.137	264	1282838	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	309596	40.00	ppb		0.00
104) Phenanthrene-d10a	9.826	188	1259484	40.00	ppb		0.00
107) Chrysene-d12a	14.019	240	1367120	40.00	ppb		-0.01
110) Acenaphthene-d10a	7.654	164	752835	40.00	ppb		0.00
112) Naphthalene-d8a	5.606	136	1228027	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.530	112	12987	1.18	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.36%		
8) Phenol-d5	4.269	99	15727	1.10	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.20%		
25) Nitrobenzene-d5	4.969	82	15275	1.15	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.30%		
51) 2-Fluorobiphenyl	6.788	172	28498	1.23	ppb		-0.01
Spiked Amount 50.000			Recovery	=	2.46%		
73) 2,4,6-Tribromophenol	8.783	330	3376	1.13	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.26%		
86) Terphenyl-d14	12.398	244	33178	1.23	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.46%		
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
3) Pyridine	2.375	79	9017	0.74	ppb		87
4) N-Nitrosodimethylamine	2.311	74	8489	1.09	ppb		84
6) Indene	4.729	116	23361	1.22	ppb		97
7) Cumene	3.926	105	33231	1.18	ppb		97
9) Phenol	4.279	94	19038	1.12	ppb	#	11
10) Aniline	4.285	93	24151	1.34	ppb		95
11) bis(2-Chloroethyl)ether	4.333	93	13832	1.16	ppb		95
12) 2-Chlorophenol	4.375	128	12850	1.15	ppb		95
13) Decane	4.418	43	14059	1.17	ppb		97
14) 1,3-Dichlorobenzene	4.488	146	14151	1.15	ppb		94
15) 1,4-Dichlorobenzene	4.541	146	14961	1.20	ppb		93
16) Benzyl alcohol	4.638	108	9338	1.23	ppb		92
17) 1,2-Dichlorobenzene	4.664	146	14429	1.24	ppb		91
18) Acetophenone	4.846	105	20361	1.21	ppb		98
19) 2-Methylphenol	4.734	108	11556	1.09	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.745	121	5103	1.33	ppb		99
21) 3&4-Methylphenol	4.857	108	12102	1.07	ppb		94
22) n-Nitroso-di-n-propyla...	4.846	70	10859	1.19	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	4.932	201	4660	1.05	ppb		96
26) Nitrobenzene	4.985	77	16553	1.15	ppb		98
27) Quinoline	5.964	129	26124	1.19	ppb		97
28) Isophorone	5.188	82	29906	1.28	ppb		95
29) 2-Nitrophenol	5.258	139	6614	1.14	ppb		93
30) 2,4-Dimethylphenol	5.301	107	9475	0.95	ppb		91
32) bis(2-Chloroethoxy)met...	5.381	93	15521	1.13	ppb		91
33) 2,4-Dichlorophenol	5.488	162	9927	1.13	ppb		94
34) 2,6-Dichlorophenol	5.691	162	10478	1.18	ppb		95
35) 1,3,5-Trichlorobenzene	5.269	180	12852	1.24	ppb		92
36) 1,2,4-Trichlorobenzene	5.558	180	11786	1.19	ppb		95
37) 1,2,3-Trichlorobenzene	5.771	180	12238	1.25	ppb		98
38) Naphthalene	5.627	128	39398	1.23	ppb		99
39) 4-Chloroaniline	5.681	127	15503	1.16	ppb		88
40) 2,3-Dichloroaniline	6.681	161	14127	1.23	ppb		99
41) Caprolactam	6.007	55	5621	1.07	ppb		93
42) Hexachlorobutadiene	5.761	225	6268	1.17	ppb		91
43) 4-Chloro-3-methylphenol	6.199	107	11832	1.18	ppb		89
44) 2-Methylnaphthalene	6.349	141	22449	1.23	ppb		98
45) 1-Methylnaphthalene	6.461	141	22826	1.23	ppb		95
46) Dimethylnaphthalene	7.103	156	24092	1.26	ppb		98
48) Hexachlorocyclopentadiene	6.547	237	9331	1.56	ppb		96
49) 2,4,6-Trichlorophenol	6.691	196	7983	1.24	ppb		96
50) 2,4,5-Trichlorophenol	6.756	196	8141	1.15	ppb		95
52) 2-Chloronaphthalene	6.927	162	27149	1.27	ppb		98
53) Biphenyl	6.911	154	32855	1.26	ppb		95
54) 2-Nitroaniline	7.066	65	8727	1.24	ppb		94
55) Dimethylphthalate	7.317	163	28850	1.25	ppb		99
56) Acenaphthylene	7.456	152	39647	1.26	ppb		99
57) 2,6-Dinitrotoluene	7.381	165	5651	1.10	ppb		87
58) 3-Nitroaniline	7.611	138	6169	1.04	ppb		93
59) Acenaphthene	7.697	153	25869	1.28	ppb		97
61) 4-Nitrophenol	7.932	109	2334	0.75	ppb	#	1
62) Dibenzofuran	7.938	168	38956	1.33	ppb		99
63) 2,4-Dinitrotoluene	7.938	165	7595	1.10	ppb		76
64) 2,3,4,6-Tetrachlorophenol	8.136	232	5861	1.10	ppb		94
65) Diethylphthalate	8.312	149	31766	1.20	ppb		99
66) Fluorene	8.424	166	30012	1.26	ppb		94
67) 4-Chlorophenyl-phenyle...	8.451	204	14285	1.25	ppb		96
68) 4-Nitroaniline	8.478	138	6559	1.11	ppb		96
70) 4,6-Dinitro-2-methylph...	8.537	198	2513	0.51	ppb		92
71) n-Nitrosodiphenylamine	8.628	169	19691	1.17	ppb		98
72) 1,2-Diphenylhydrazine	8.676	77	36471	1.23	ppb		97
74) 4-Bromophenyl-phenylether	9.173	248	7944	1.23	ppb		97
75) Hexachlorobenzene	9.248	284	9859	1.28	ppb		91
76) Pentachlorophenol	9.580	266	8394	1.82	ppb		95
77) Phenanthrene	9.858	178	45183	1.23	ppb		97
78) Anthracene	9.933	178	42668	1.20	ppb		97
79) Carbazole	10.211	167	42347	1.23	ppb		97
80) Di-n-butylphthalate	10.858	149	45228	1.27	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	11.725	202	47443	1.25	ppb	98
82) Octadecane	9.804	57	21394	1.36	ppb	97
84) Pyrene	12.067	202	51747	1.19	ppb	96
85) Butyl stearate	13.425	56	14915	1.15	ppb	91
87) Butylbenzylphthalate	13.238	149	20229	1.34	ppb	94
88) Benzo[a]anthracene	14.003	228	46767	1.31	ppb	98
89) 3,3'-Dichlorobenzidine	14.019	252	16274	1.36	ppb	90
90) Chrysene	14.057	228	46842	1.29	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.217	149	28106	1.40	ppb	99
93) Di-n-octylphthalate	15.206	149	47803	1.73	ppb	97
94) Benzo[b]fluoranthene	15.608	252	48310m	1.55	ppb	
95) Benzo[k]fluoranthene	15.650	252	52852	1.49	ppb	97
96) Benzo[a]pyrene	16.052	252	46873	1.72	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.597	276	35400m	1.50	ppb	
98) Dibenz(a,h)acridine	17.276	279	33753	1.65	ppb	93
99) Dibenz[a,h]anthracene	17.640	278	39608	1.53	ppb	95
100) 7,12-Dimethylbenz(a)an...	15.613	256	10766	0.75	ppb	96
101) Benzo[g,h,i]perylene	18.004	276	48960	1.66	ppb	96

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

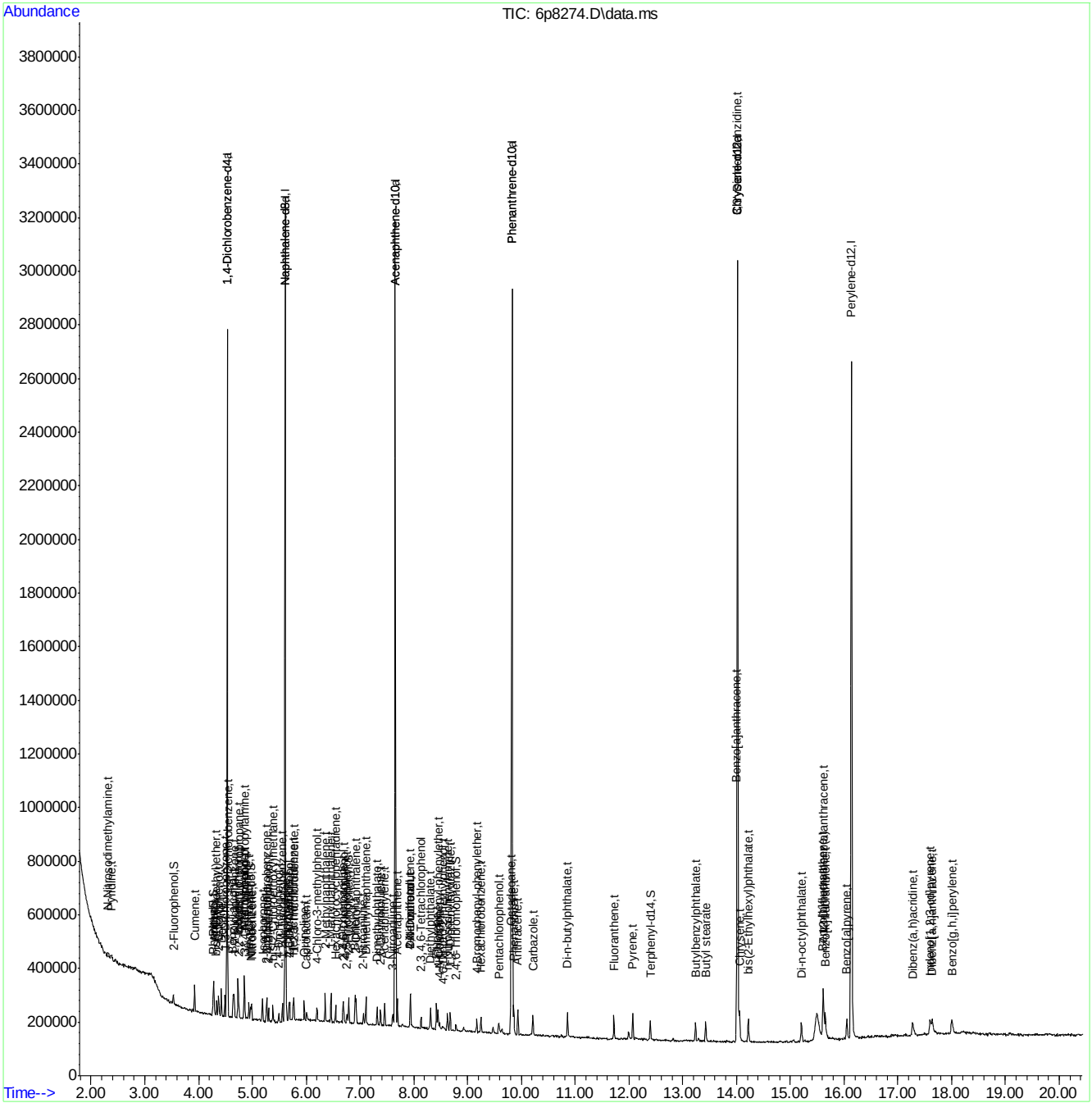
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

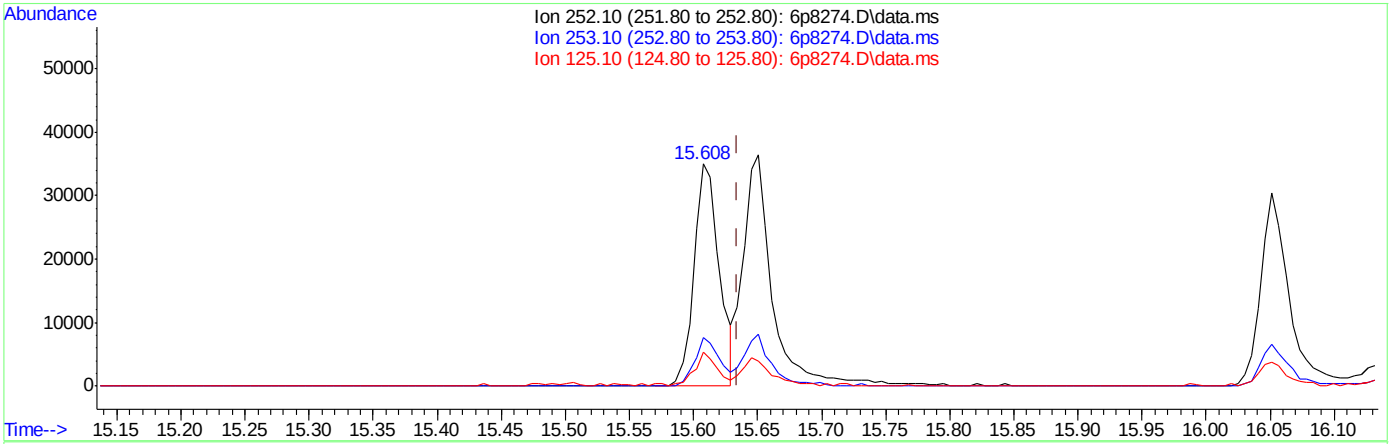
Sample Number:	E6P357-IC357	**Method:**	SW846 8270D
Lab FileID:	6P8274.D	**Analyst approved:**	07/01/14 10:59 Andrew Lee Smith
Injection Time:	06/26/14 15:36	**Supervisor approved:**	07/02/14 15:14 Nina Pandya

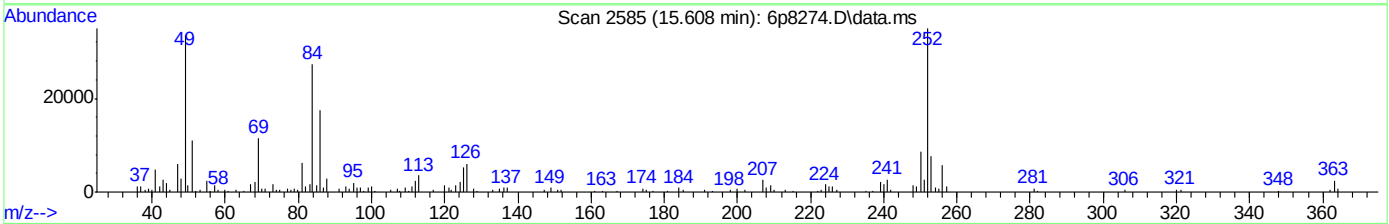
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		15.61	Overlapping peak
Indeno(1,2,3-cd)pyrene	193-39-5		17.60	Poor instrument integration

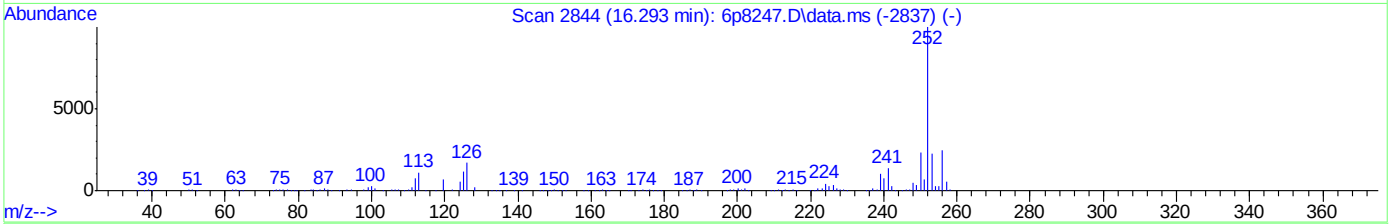
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration







TIC: 6p8274.D\data.ms

(94) Benzo[b]fluoranthene (t)

15.608min (-0.027) 1.55ppb m

response 48310

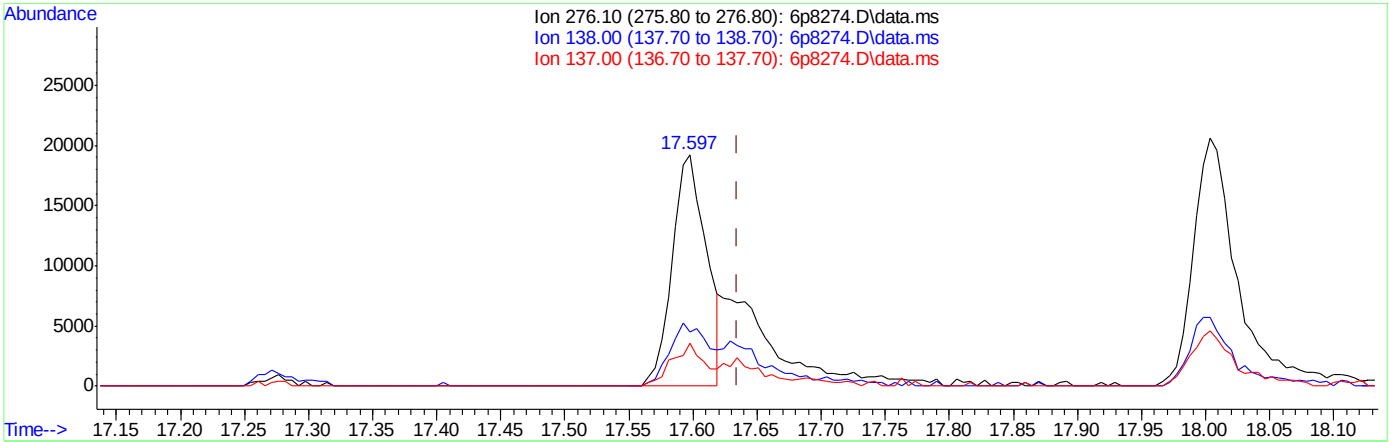
Ion	Exp%	Act%
252.10	100	100
253.10	22.30	21.73
125.10	11.30	15.23
0.00	0.00	0.00

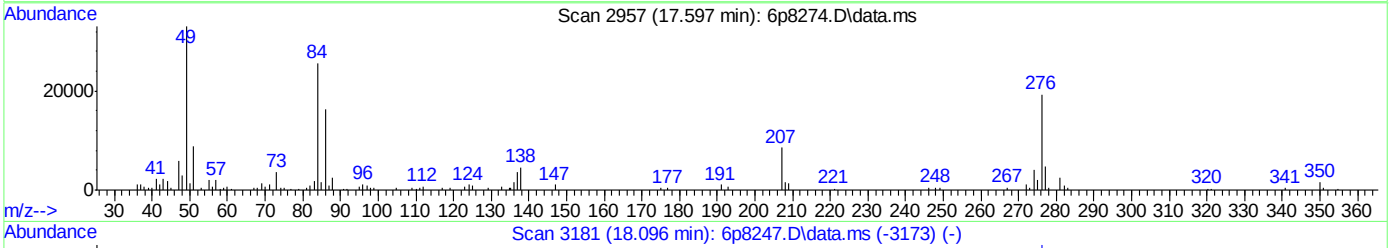
ACCUTEST LABORATORIES JB69123

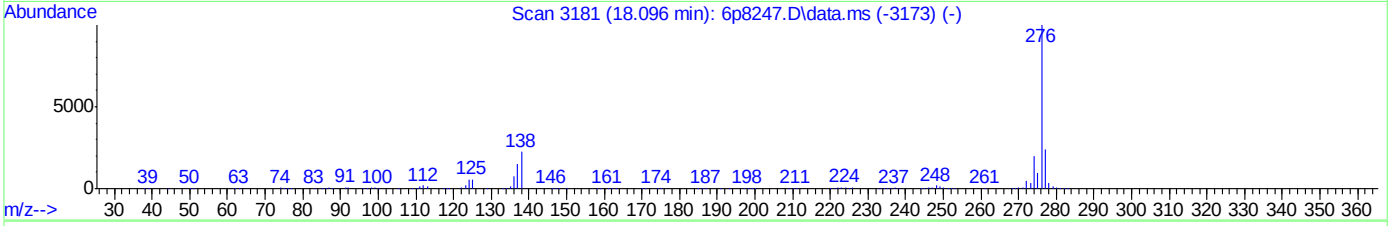
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8274.D
Acq On : 26 Jun 2014 3:36 pm
Operator : samtap
Sample : ic357-1
Misc : op75816,e6p357
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 23:08:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:12:01 2014
Response via : Initial Calibration







TIC: 6p8274.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.597min (-0.037) 1.50ppb m

response 35400

Ion	Exp%	Act%
276.10	100	100
138.00	19.80	23.52
137.00	14.00	18.65
0.00	0.00	0.00

6P8274.D edits: Indeno[1,2,3-cd]pyrene

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.531	152	218514	40.00	ppb		0.00
24) Naphthalene-d8	5.611	136	882399	40.00	ppb		0.00
47) Acenaphthene-d10	7.660	164	534622	40.00	ppb		0.00
69) Phenanthrene-d10	9.831	188	866960	40.00	ppb		0.00
83) Chrysene-d12	14.030	240	839638	40.00	ppb		0.00
92) Perylene-d12	16.143	264	886426	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	218514	40.00	ppb		0.00
104) Phenanthrene-d10a	9.831	188	866960	40.00	ppb		0.00
107) Chrysene-d12a	14.030	240	839638	40.00	ppb		0.00
110) Acenaphthene-d10a	7.660	164	534622	40.00	ppb		0.00
112) Naphthalene-d8a	5.611	136	882399	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.525	112	679895	79.44	ppb		0.00
Spiked Amount 50.000			Recovery = 158.88%				
8) Phenol-d5	4.274	99	823284	78.41	ppb		0.00
Spiked Amount 50.000			Recovery = 156.82%				
25) Nitrobenzene-d5	4.975	82	771061	77.79	ppb		0.00
Spiked Amount 50.000			Recovery = 155.58%				
51) 2-Fluorobiphenyl	6.799	172	1311519	76.35	ppb		0.00
Spiked Amount 50.000			Recovery = 152.70%				
73) 2,4,6-Tribromophenol	8.788	330	201448	83.86	ppb		0.00
Spiked Amount 50.000			Recovery = 167.72%				
86) Terphenyl-d14	12.404	244	1606648	83.25	ppb		0.00
Spiked Amount 50.000			Recovery = 166.50%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.979	88	294126m	90.09	ppb		
3) Pyridine	2.322	79	797613	88.69	ppb		99
4) N-Nitrosodimethylamine	2.290	74	477467	81.03	ppb		95
6) Indene	4.734	116	1060550	75.56	ppb		98
7) Cumene	3.926	105	1644210	77.84	ppb		100
9) Phenol	4.285	94	936127	76.64	ppb	#	18
10) Aniline	4.285	93	888423	69.43	ppb	#	45
11) bis(2-Chloroethyl)ether	4.338	93	689085	77.69	ppb		98
12) 2-Chlorophenol	4.376	128	657453	78.97	ppb		95
13) Decane	4.424	43	711425	78.28	ppb		99
14) 1,3-Dichlorobenzene	4.488	146	713277	78.87	ppb		96
15) 1,4-Dichlorobenzene	4.547	146	707509	77.04	ppb		100
16) Benzyl alcohol	4.643	108	446107	76.49	ppb		95
17) 1,2-Dichlorobenzene	4.664	146	652562	76.08	ppb		99
18) Acetophenone	4.852	105	883072	74.16	ppb		91
19) 2-Methylphenol	4.739	108	552210	75.48	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.750	121	213582	72.96	ppb		98
21) 3&4-Methylphenol	4.857	108	575816	75.50	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.857	70	445868	72.33	ppb	96
23) Hexachloroethane	4.932	201	250339	79.48	ppb	96
26) Nitrobenzene	4.991	77	838518	77.89	ppb	93
27) Quinoline	5.969	129	1320299	77.59	ppb	98
28) Isophorone	5.194	82	1408006	76.49	ppb	98
29) 2-Nitrophenol	5.263	139	364865	80.31	ppb	100
30) 2,4-Dimethylphenol	5.306	107	652894	85.87	ppb	99
31) Benzoic Acid	5.435	105	636672m	94.26	ppb	
32) bis(2-Chloroethoxy)met...	5.386	93	806023	78.43	ppb	99
33) 2,4-Dichlorophenol	5.483	162	547461	80.82	ppb	98
34) 2,6-Dichlorophenol	5.697	162	514191	77.33	ppb	99
35) 1,3,5-Trichlorobenzene	5.274	180	579788	74.95	ppb	99
36) 1,2,4-Trichlorobenzene	5.558	180	567090	76.58	ppb	99
37) 1,2,3-Trichlorobenzene	5.777	180	556835	75.41	ppb	99
38) Naphthalene	5.633	128	1833089	75.97	ppb	99
39) 4-Chloroaniline	5.686	127	754033	76.74	ppb	98
40) 2,3-Dichloroaniline	6.686	161	662155	75.91	ppb	99
41) Caprolactam	6.071	55	352109	83.30	ppb	98
42) Hexachlorobutadiene	5.761	225	301980	76.82	ppb	99
43) 4-Chloro-3-methylphenol	6.205	107	642320	80.30	ppb	96
44) 2-Methylnaphthalene	6.355	141	1063300	76.36	ppb	99
45) 1-Methylnaphthalene	6.467	141	1079216	76.46	ppb	98
46) Dimethylnaphthalene	7.114	156	1140884	76.33	ppb	99
48) Hexachlorocyclopentadiene	6.552	237	659591	162.54	ppb	99
49) 2,4,6-Trichlorophenol	6.697	196	388076	77.89	ppb	99
50) 2,4,5-Trichlorophenol	6.745	196	444996	80.72	ppb	97
52) 2-Chloronaphthalene	6.932	162	1225156	76.31	ppb	99
53) Biphenyl	6.916	154	1506063	76.68	ppb	99
54) 2-Nitroaniline	7.071	65	466130	80.84	ppb	100
55) Dimethylphthalate	7.328	163	1366042	76.99	ppb	99
56) Acenaphthylene	7.467	152	1927059	78.12	ppb	100
57) 2,6-Dinitrotoluene	7.398	165	346789	83.98	ppb	99
58) 3-Nitroaniline	7.622	138	393036	84.36	ppb	93
59) Acenaphthene	7.708	153	1169203	76.27	ppb	100
60) 2,4-Dinitrophenol	7.767	184	445156	173.35	ppb	99
61) 4-Nitrophenol	7.895	109	216638	91.46	ppb	97
62) Dibenzofuran	7.948	168	1632412	74.35	ppb	98
63) 2,4-Dinitrotoluene	7.948	165	431509	81.32	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.136	232	363043	84.83	ppb	99
65) Diethylphthalate	8.328	149	1315640	53.04	ppb	98
66) Fluorene	8.435	166	1421359	77.50	ppb	97
67) 4-Chlorophenyl-phenyle...	8.457	204	652854	76.28	ppb	98
68) 4-Nitroaniline	8.494	138	394371	83.51	ppb	99
70) 4,6-Dinitro-2-methylph...	8.537	198	313166	84.77	ppb	99
71) n-Nitrosodiphenylamine	8.638	169	978809	78.46	ppb	99
72) 1,2-Diphenylhydrazine	8.687	77	1720672	77.51	ppb	99
74) 4-Bromophenyl-phenylether	9.179	248	375359	77.61	ppb	95
75) Hexachlorobenzene	9.259	284	429075	75.73	ppb	97
76) Pentachlorophenol	9.569	266	551892	163.08	ppb	95
77) Phenanthrene	9.869	178	2031746	76.79	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.949	178	2035798	77.62	ppb	99
79) Carbazole	10.222	167	2029405	78.26	ppb	99
80) Di-n-butylphthalate	10.869	149	2284616	78.98	ppb	99
81) Fluoranthene	11.735	202	2304224	78.55	ppb	99
82) Octadecane	9.810	57	989189	77.07	ppb	99
84) Pyrene	12.083	202	2410264	80.98	ppb	97
85) Butyl stearate	13.436	56	742214	74.18	ppb	97
87) Butylbenzylphthalate	13.249	149	1060255	84.84	ppb	97
88) Benzo[a]anthracene	14.014	228	2107511	80.74	ppb	99
89) 3,3'-Dichlorobenzidine	14.030	252	782970	84.36	ppb	98
90) Chrysene	14.073	228	2106364	80.85	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.228	149	1469656	86.27	ppb	96
93) Di-n-octylphthalate	15.217	149	2618984	83.78	ppb	99
94) Benzo[b]fluoranthene	15.629	252	2318724	79.26	ppb	97
95) Benzo[k]fluoranthene	15.677	252	2253915	75.23	ppb	99
96) Benzo[a]pyrene	16.073	252	2145280	78.41	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.635	276	2406869	96.12	ppb	99
98) Dibenz(a,h)acridine	17.298	279	2125206	90.68	ppb	99
99) Dibenz[a,h]anthracene	17.672	278	2389440	89.19	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.645	256	1044165	97.23	ppb	99
101) Benzo[g,h,i]perylene	18.047	276	2329640	83.49	ppb	100

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

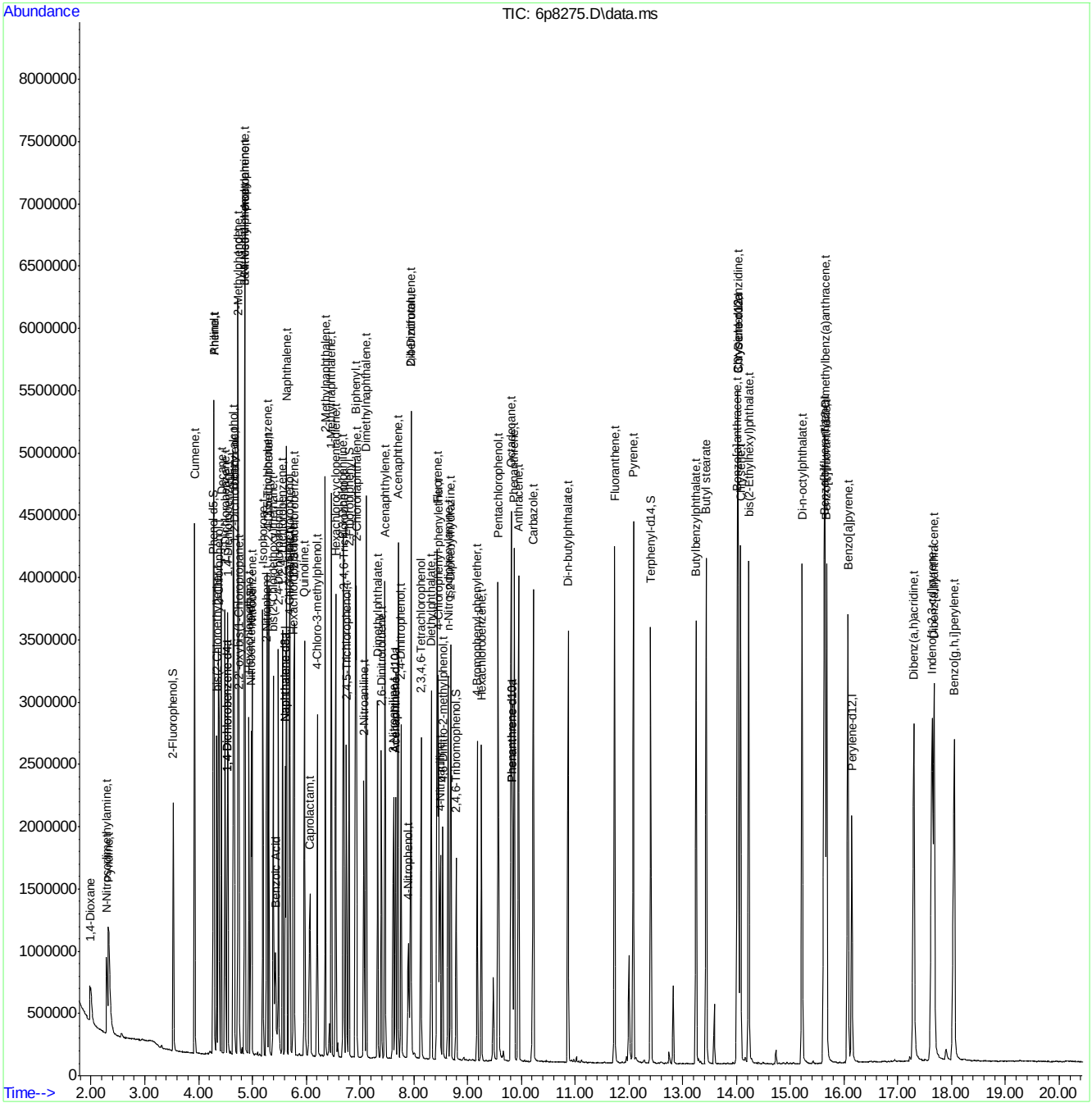
9.6.76

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration



Manual Integration Approval Summary

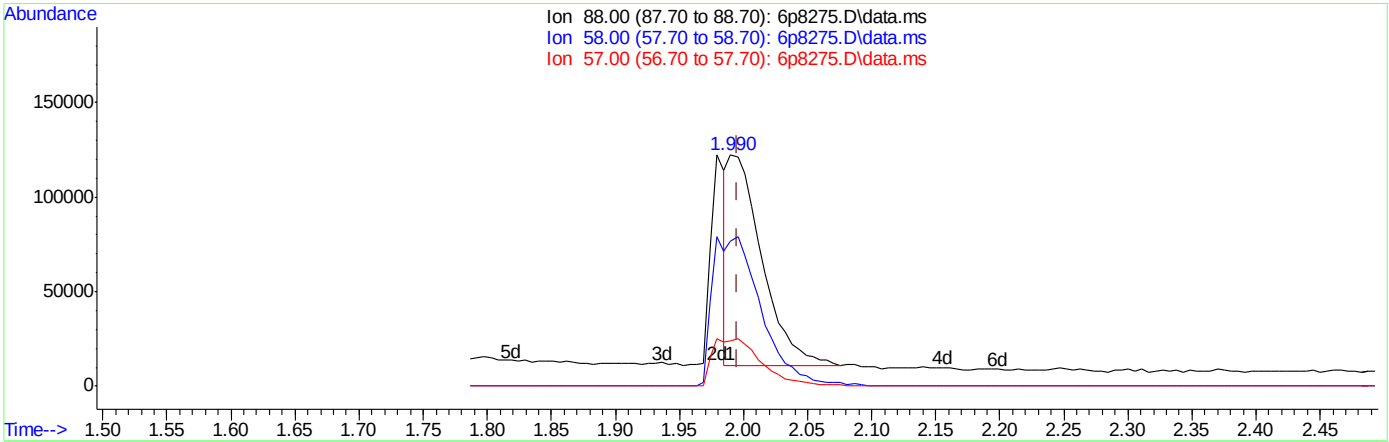
Sample Number: E6P357-IC357
Lab FileID: 6P8275.D
Injection Time: 06/26/14 16:04
Method: SW846 8270D
Analyst approved: 07/01/14 10:59 Andrew Lee Smith
Supervisor approved: 07/02/14 15:14 Nina Pandya

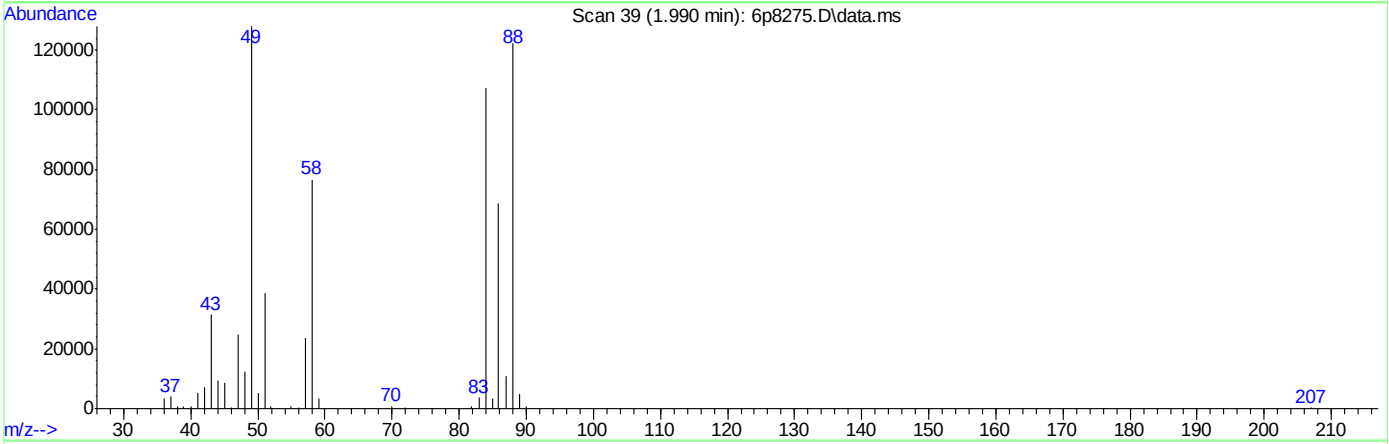
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.98	Poor instrument integration
Benzoic Acid	65-85-0		5.43	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:48:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration





TIC: 6p8275.D\data.ms

(2) 1,4-Dioxane

1.990min (-0.005) 62.07ppb

response 202658

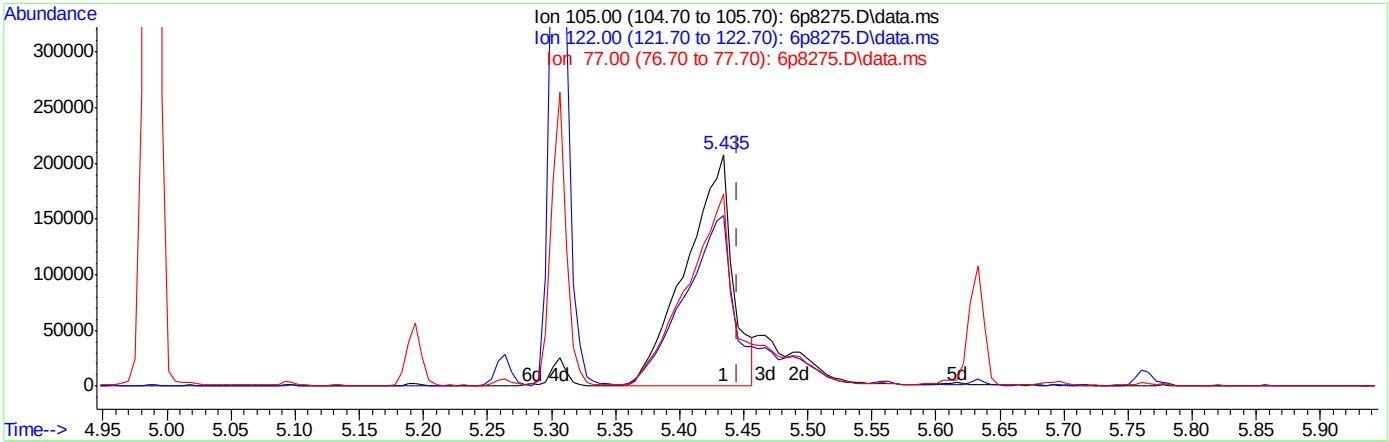
Ion	Exp%	Act%
88.00	100	100
58.00	66.20	71.17
57.00	22.60	22.51
0.00	0.00	0.00

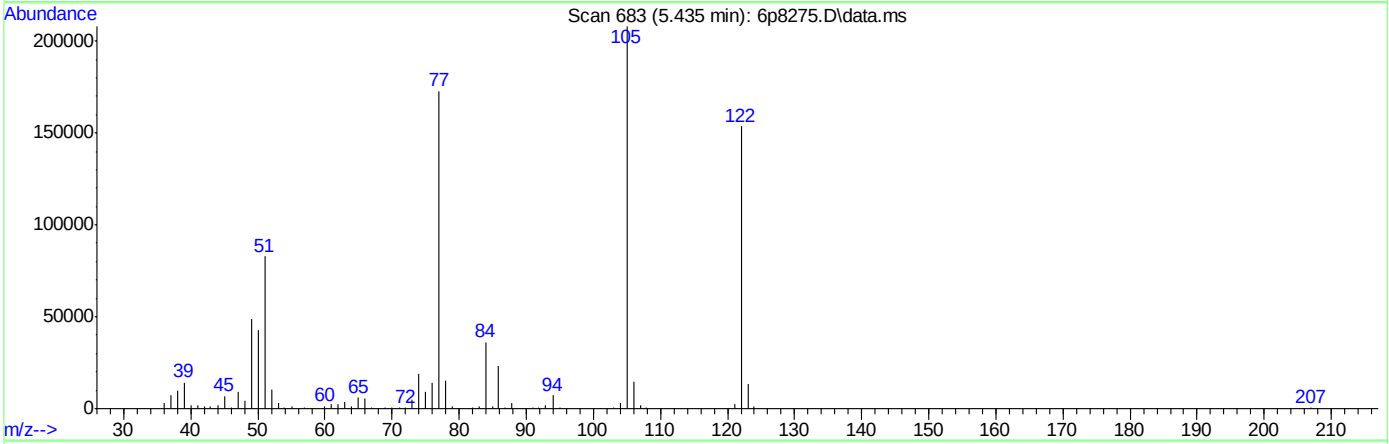
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:48:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration





TIC: 6p8275.D\data.ms

(31) Benzoic Acid

5.435min (-0.011) 77.61ppb

response 524165

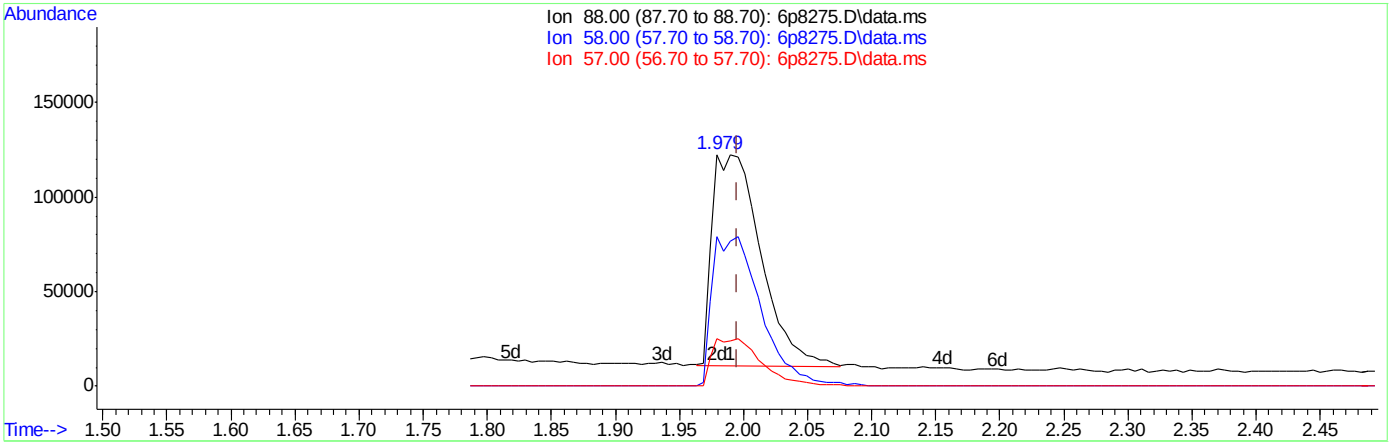
Ion	Exp%	Act%
105.00	100	100
122.00	71.30	73.24
77.00	82.00	77.88
0.00	0.00	0.00

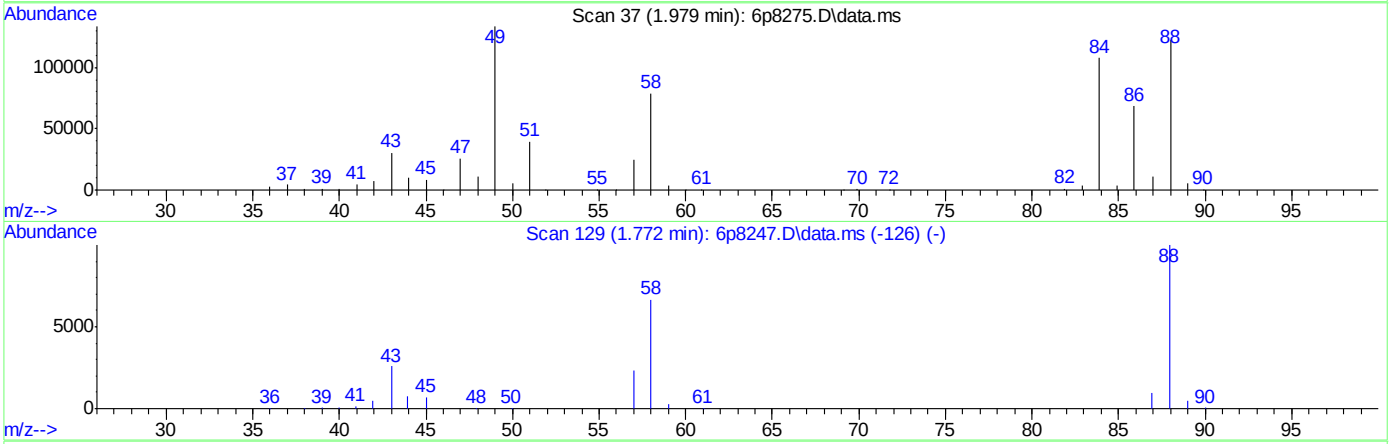
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration





TIC: 6p8275.D\data.ms

(2) 1,4-Dioxane

1.979min (-0.016) 90.09ppb m

response 294126

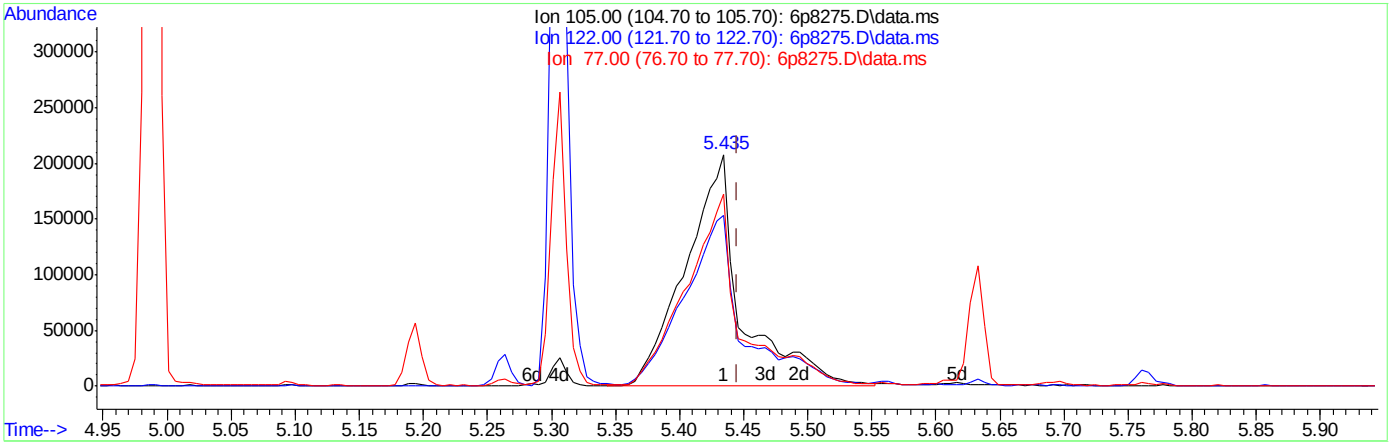
Ion	Exp%	Act%
88.00	100	100
58.00	66.20	49.04
57.00	22.60	15.51
0.00	0.00	0.00

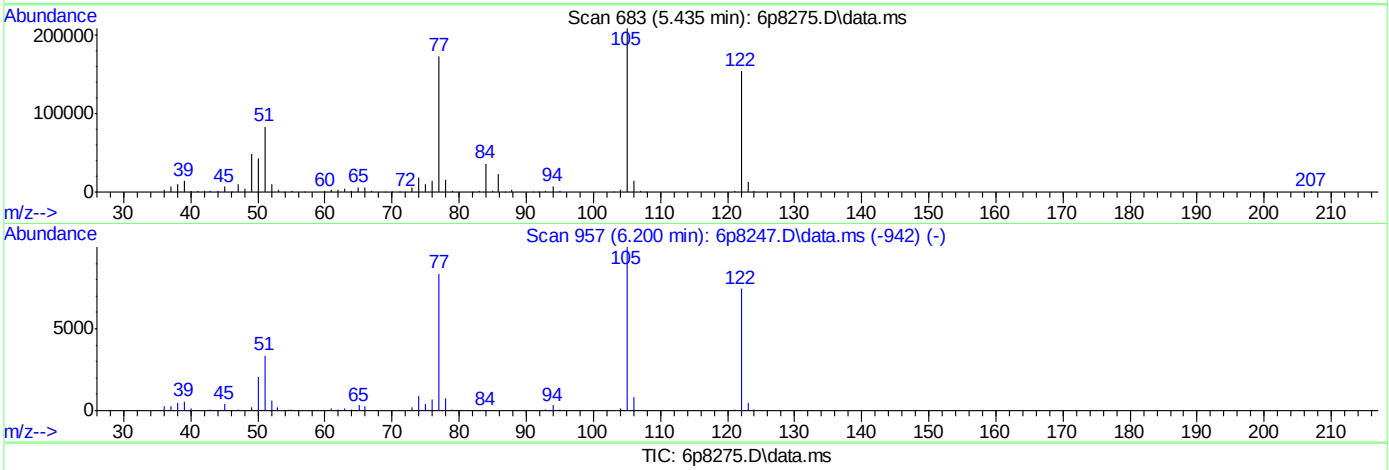
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8275.D
Acq On : 26 Jun 2014 4:04 pm
Operator : samtap
Sample : ic357-80
Misc : op75816,e6p357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:49:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 16:15:41 2014
Response via : Initial Calibration





TIC: 6p8275.D\data.ms

(31) Benzoic Acid

5.435min (-0.011) 94.26ppb m

response 636672

Ion	Exp%	Act%
105.00	100	100
122.00	71.30	60.30
77.00	82.00	64.12
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:55:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	255682	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	1020473	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	613875	40.00	ppb	0.00
69) Phenanthrene-d10	9.821	188	1030515	40.00	ppb	-0.01
83) Chrysene-d12	14.019	240	1103272	40.00	ppb	-0.01
92) Perylene-d12	16.137	264	1047707	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	255682	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	1030515	40.00	ppb	-0.01
107) Chrysene-d12a	14.019	240	1103272	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.654	164	613875	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	1020473	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.525	112	104233	10.41	ppb	0.00
Spiked Amount 50.000			Recovery = 20.82%			
8) Phenol-d5	4.263	99	131604	10.71	ppb	-0.01
Spiked Amount 50.000			Recovery = 21.42%			
25) Nitrobenzene-d5	4.964	82	121192	10.57	ppb	-0.01
Spiked Amount 50.000			Recovery = 21.14%			
51) 2-Fluorobiphenyl	6.788	172	221186	11.21	ppb	-0.01
Spiked Amount 50.000			Recovery = 22.42%			
73) 2,4,6-Tribromophenol	8.778	330	28751	10.07	ppb	-0.01
Spiked Amount 50.000			Recovery = 20.14%			
86) Terphenyl-d14	12.393	244	259815	10.14	ppb	-0.01
Spiked Amount 50.000			Recovery = 20.28%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.001	88	43643	10.23	ppb	93
3) Pyridine	2.343	79	120627	11.46	ppb	100
4) N-Nitrosodimethylamine	2.300	74	73552	10.67	ppb	97
6) Indene	4.729	116	187480	11.42	ppb	98
7) Cumene	3.926	105	270898	10.96	ppb	99
9) Phenol	4.274	94	165364	11.57	ppb	57
10) Aniline	4.285	93	178962	11.95	ppb	97
11) bis(2-Chloroethyl)ether	4.333	93	111037	10.70	ppb	99
12) 2-Chlorophenol	4.376	128	107400	11.03	ppb	99
13) Decane	4.418	43	122924	11.56	ppb	96
14) 1,3-Dichlorobenzene	4.488	146	117546	11.11	ppb	97
15) 1,4-Dichlorobenzene	4.541	146	116956	10.88	ppb	97
16) Benzyl alcohol	4.638	108	77366	11.34	ppb	99
17) 1,2-Dichlorobenzene	4.659	146	113474	11.31	ppb	99
18) Acetophenone	4.846	105	160927	11.55	ppb	91
19) 2-Methylphenol	4.734	108	100068	11.69	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.745	121	37685	11.00	ppb	94
21) 3&4-Methylphenol	4.852	108	106946	11.98	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:55:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.846	70	82559	11.45	ppb		93
23) Hexachloroethane	4.932	201	41720	11.32	ppb		90
26) Nitrobenzene	4.980	77	137802	11.07	ppb		99
27) Quinoline	5.959	129	211702	10.76	ppb		98
28) Isophorone	5.183	82	228558	10.74	ppb		99
29) 2-Nitrophenol	5.258	139	57705	10.98	ppb		95
30) 2,4-Dimethylphenol	5.301	107	91004	10.35	ppb		95
31) Benzoic Acid	5.381	105	71000	8.50	ppb		96
32) bis(2-Chloroethoxy)met...	5.376	93	128718	10.83	ppb		100
33) 2,4-Dichlorophenol	5.477	162	86294	11.02	ppb		97
34) 2,6-Dichlorophenol	5.691	162	85389	11.10	ppb		98
35) 1,3,5-Trichlorobenzene	5.269	180	102473	11.45	ppb		98
36) 1,2,4-Trichlorobenzene	5.552	180	97224	11.35	ppb		97
37) 1,2,3-Trichlorobenzene	5.772	180	96569	11.31	ppb		98
38) Naphthalene	5.627	128	310766	11.14	ppb		99
39) 4-Chloroaniline	5.681	127	130634	11.50	ppb		99
40) 2,3-Dichloroaniline	6.681	161	110549	10.96	ppb		99
41) Caprolactam	6.012	55	52113	10.66	ppb		95
42) Hexachlorobutadiene	5.761	225	53037	11.67	ppb		94
43) 4-Chloro-3-methylphenol	6.194	107	98903	10.69	ppb		91
44) 2-Methylnaphthalene	6.349	141	179035	11.12	ppb		99
45) 1-Methylnaphthalene	6.462	141	180511	11.06	ppb		99
46) Dimethylnaphthalene	7.103	156	195729	11.32	ppb		100
48) Hexachlorocyclopentadiene	6.542	237	100089	21.48	ppb		99
49) 2,4,6-Trichlorophenol	6.686	196	66445	11.61	ppb		98
50) 2,4,5-Trichlorophenol	6.734	196	67380	10.64	ppb		97
52) 2-Chloronaphthalene	6.927	162	211140	11.45	ppb		96
53) Biphenyl	6.911	154	257685	11.43	ppb		98
54) 2-Nitroaniline	7.061	65	70688	10.68	ppb		97
55) Dimethylphthalate	7.317	163	219334	10.77	ppb		99
56) Acenaphthylene	7.456	152	313121	11.05	ppb		99
57) 2,6-Dinitrotoluene	7.382	165	51779	10.92	ppb		96
58) 3-Nitroaniline	7.601	138	58095	10.86	ppb		97
59) Acenaphthene	7.697	153	192484	10.94	ppb		95
60) 2,4-Dinitrophenol	7.756	184	47721	16.18	ppb		97
61) 4-Nitrophenol	7.900	109	22466	8.26	ppb	#	42
62) Dibenzofuran	7.938	168	288739	11.45	ppb		99
63) 2,4-Dinitrotoluene	7.933	165	72450	11.89	ppb		91
64) 2,3,4,6-Tetrachlorophenol	8.125	232	54317	11.05	ppb		98
65) Diethylphthalate	8.312	149	215425	7.56	ppb		99
66) Fluorene	8.425	166	234853	11.15	ppb		98
67) 4-Chlorophenyl-phenyle...	8.446	204	111584	11.35	ppb		99
68) 4-Nitroaniline	8.467	138	57971	10.69	ppb		96
70) 4,6-Dinitro-2-methylph...	8.521	198	37544	8.55	ppb		96
71) n-Nitrosodiphenylamine	8.622	169	161670	10.90	ppb		98
72) 1,2-Diphenylhydrazine	8.676	77	278468	10.55	ppb		99
74) 4-Bromophenyl-phenylether	9.173	248	60564	10.53	ppb		99
75) Hexachlorobenzene	9.248	284	72395	10.75	ppb		97
76) Pentachlorophenol	9.564	266	83274	20.70	ppb		97
77) Phenanthrene	9.858	178	333583	10.61	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:55:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration

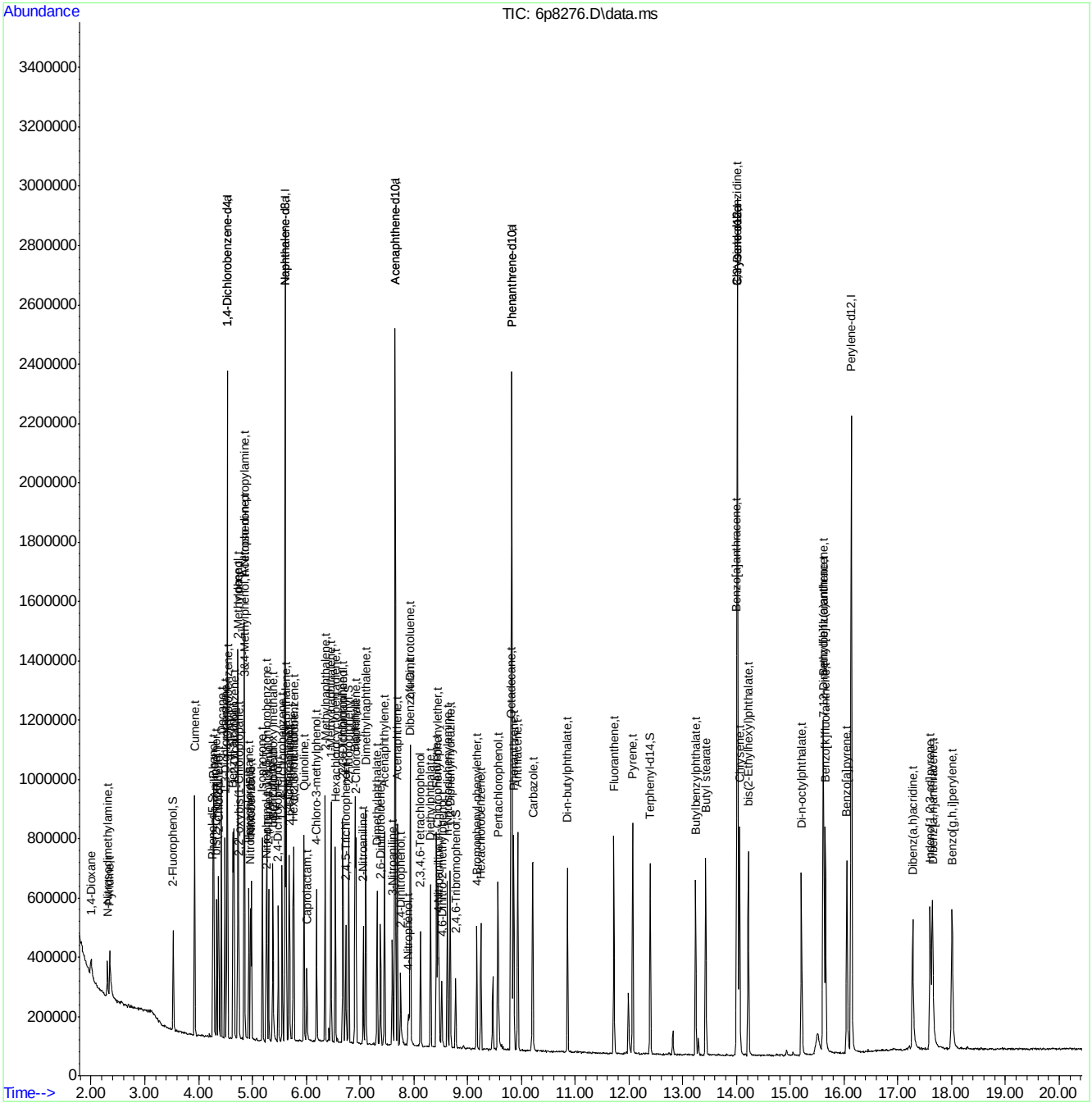
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.933	178	337114	10.81	ppb	99
79) Carbazole	10.211	167	334992	10.87	ppb	99
80) Di-n-butylphthalate	10.858	149	364839	10.64	ppb	99
81) Fluoranthene	11.719	202	375920	10.83	ppb	97
82) Octadecane	9.805	57	165632	10.86	ppb	99
84) Pyrene	12.067	202	400211	10.20	ppb	95
85) Butyl stearate	13.426	56	118379	9.17	ppb	93
87) Butylbenzylphthalate	13.238	149	165258	9.91	ppb	96
88) Benzo[a]anthracene	14.003	228	349752	10.17	ppb	99
89) 3,3'-Dichlorobenzidine	14.014	252	132570	10.72	ppb	97
90) Chrysene	14.057	228	352195	10.26	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.217	149	231363	9.95	ppb	97
93) Di-n-octylphthalate	15.207	149	397509	10.51	ppb	98
94) Benzo[b]fluoranthene	15.613	252	373896	10.84	ppb	98
95) Benzo[k]fluoranthene	15.651	252	393406	11.28	ppb	98
96) Benzo[a]pyrene	16.052	252	347642	10.80	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.597	276	343208	11.04	ppb	96
98) Dibenz(a,h)acridine	17.277	279	314692	10.99	ppb	99
99) Dibenz[a,h]anthracene	17.646	278	375915	11.54	ppb	95
100) 7,12-Dimethylbenz(a)an...	15.618	256	143533	10.73	ppb	98
101) Benzo[g,h,i]perylene	18.009	276	366973m	11.01	ppb	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:55:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

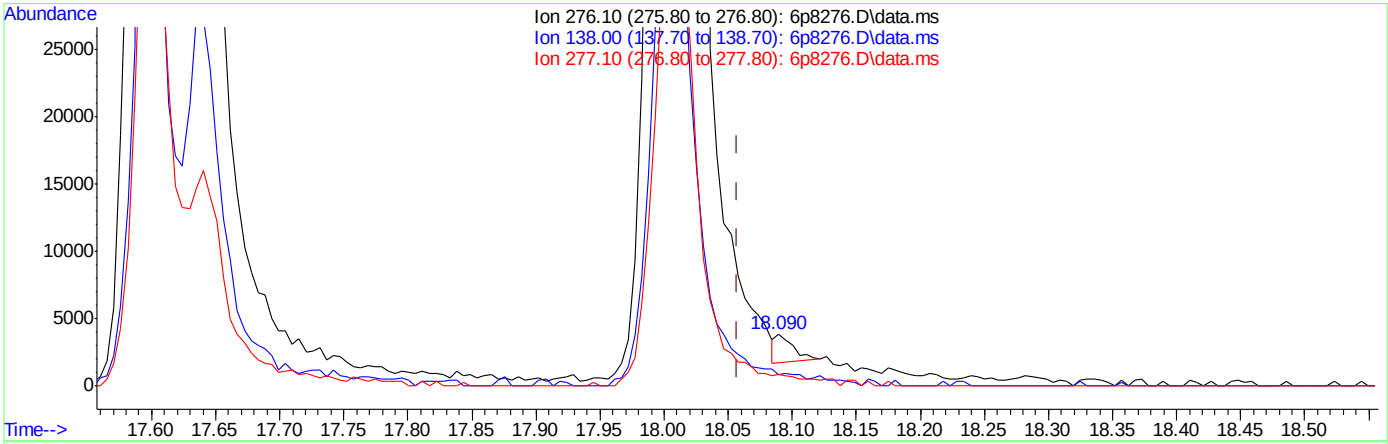
Sample Number:	E6P357-IC357	**Method:**	SW846 8270D
Lab FileID:	6P8276.D	**Analyst approved:**	07/01/14 10:59 Andrew Lee Smith
Injection Time:	06/26/14 16:33	**Supervisor approved:**	07/02/14 15:14 Nina Pandya

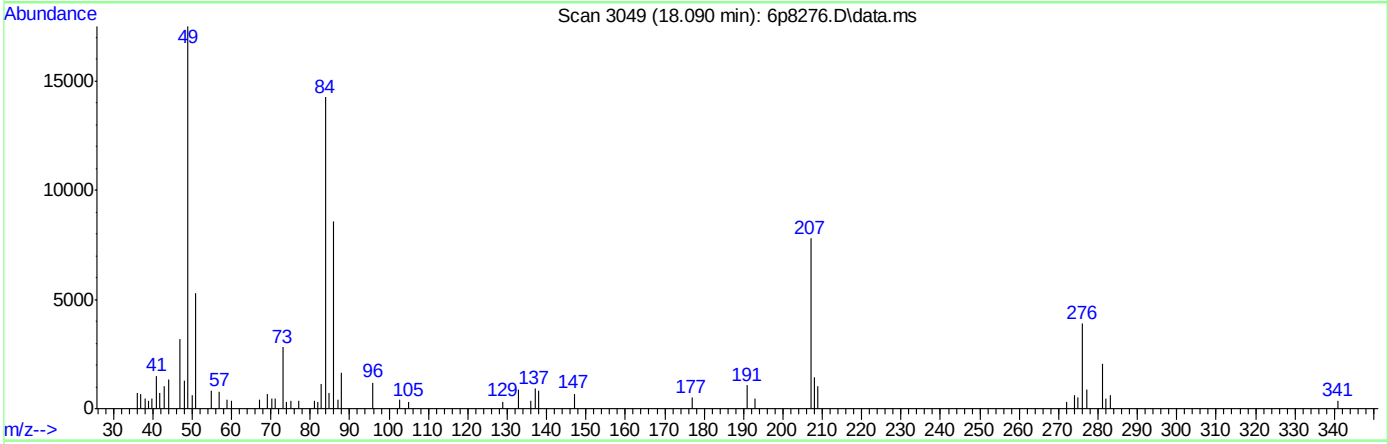
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(g,h,i)perylene	191-24-2		18.01	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:54:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration





TIC: 6p8276.D\data.ms

(101) Benzo[g,h,i]perylene (t)

18.090min (+0.032) 0.06ppb

response 1915

Ion	Exp%	Act%
276.10	100	100
138.00	25.50	0.00
277.10	22.80	22.58
0.00	0.00	0.00

9.6.77.2

9

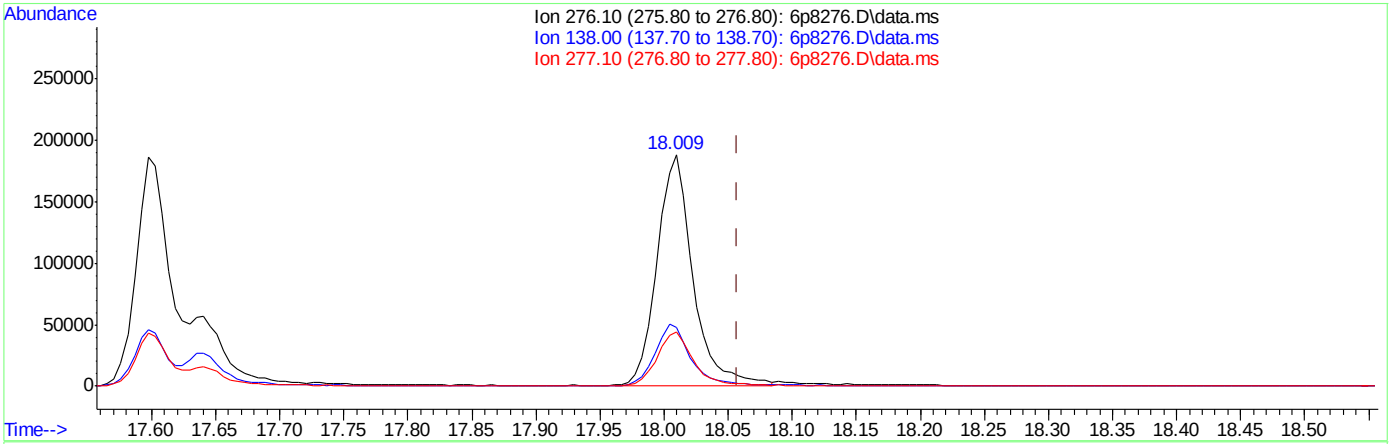
ACCUTEST LABORATORIES JB69123

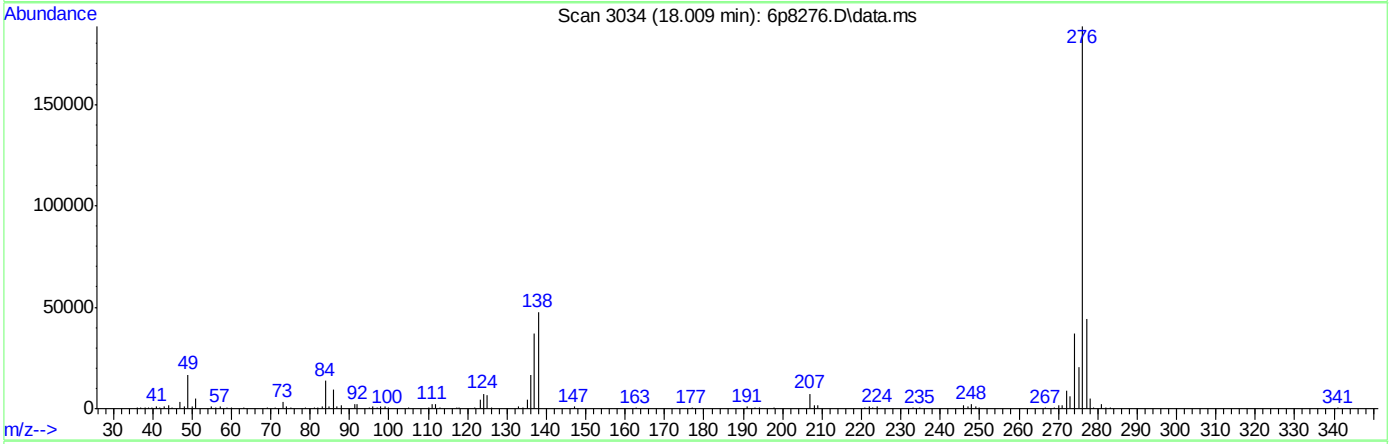
6P8276.D edits: Benzo[g,h,i]perylene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8276.D
Acq On : 26 Jun 2014 4:33 pm
Operator : samtap
Sample : ic357-10
Misc : op75816,e6p357
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:54:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:50:07 2014
Response via : Initial Calibration





TIC: 6p8276.D\data.ms

(101) Benzo[g,h,i]perylene (t)

18.009min (-0.048) 11.01ppb m

response 366973

Ion	Exp%	Act%
276.10	100	100
138.00	25.50	25.29
277.10	22.80	23.51
0.00	0.00	0.00

6P8276.D edits: Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8277.D
Acq On : 26 Jun 2014 5:01 pm
Operator : samtap
Sample : icc357-50
Misc : op75816,e6p357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 18:57:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:56:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.531	152	234728	40.00	ppb		0.00
24) Naphthalene-d8	5.606	136	945346	40.00	ppb		0.00
47) Acenaphthene-d10	7.654	164	598665	40.00	ppb		0.00
69) Phenanthrene-d10	9.826	188	981342	40.00	ppb		0.00
83) Chrysene-d12	14.024	240	1010428	40.00	ppb		0.00
92) Perylene-d12	16.137	264	1068240	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	234728	40.00	ppb		0.00
104) Phenanthrene-d10a	9.826	188	981342	40.00	ppb		0.00
107) Chrysene-d12a	14.024	240	1010428	40.00	ppb		0.00
110) Acenaphthene-d10a	7.654	164	598665	40.00	ppb		0.00
112) Naphthalene-d8a	5.606	136	945346	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.525	112	392275	42.32	ppb		0.00
Spiked Amount 50.000			Recovery = 84.64%				
8) Phenol-d5	4.269	99	495983	43.36	ppb		0.00
Spiked Amount 50.000			Recovery = 86.72%				
25) Nitrobenzene-d5	4.969	82	465724	43.36	ppb		0.00
Spiked Amount 50.000			Recovery = 86.72%				
51) 2-Fluorobiphenyl	6.793	172	817611	41.50	ppb		0.00
Spiked Amount 50.000			Recovery = 83.00%				
73) 2,4,6-Tribromophenol	8.783	330	116253	42.69	ppb		0.00
Spiked Amount 50.000			Recovery = 85.38%				
86) Terphenyl-d14	12.398	244	961137	40.85	ppb		0.00
Spiked Amount 50.000			Recovery = 81.70%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.001	88	177103	44.96	ppb		99
3) Pyridine	2.332	79	449118	45.17	ppb		99
4) N-Nitrosodimethylamine	2.295	74	281230	43.84	ppb		95
6) Indene	4.729	116	644058	41.54	ppb		98
7) Cumene	3.926	105	975138	42.16	ppb		99
9) Phenol	4.279	94	576850	42.63	ppb	#	15
10) Aniline	4.285	93	668938	46.84	ppb		94
11) bis(2-Chloroethyl)ether	4.333	93	414417	42.89	ppb		98
12) 2-Chlorophenol	4.375	128	387367	42.45	ppb		97
13) Decane	4.418	43	434541	43.17	ppb		98
14) 1,3-Dichlorobenzene	4.488	146	419799	42.28	ppb		97
15) 1,4-Dichlorobenzene	4.541	146	421896	42.03	ppb		98
16) Benzyl alcohol	4.643	108	271808	42.26	ppb		97
17) 1,2-Dichlorobenzene	4.659	146	395140	41.79	ppb		99
18) Acetophenone	4.846	105	554535	42.05	ppb		92
19) 2-Methylphenol	4.734	108	355637	43.77	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.745	121	135161	42.14	ppb		93
21) 3&4-Methylphenol	4.857	108	378254	44.41	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8277.D
Acq On : 26 Jun 2014 5:01 pm
Operator : samtap
Sample : icc357-50
Misc : op75816,e6p357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 18:57:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:56:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.852	70	287784	42.24	ppb	96
23) Hexachloroethane	4.932	201	150390	43.30	ppb	91
26) Nitrobenzene	4.985	77	502037	42.62	ppb	94
27) Quinoline	5.964	129	774524	41.85	ppb	97
28) Isophorone	5.189	82	848523	42.40	ppb	98
29) 2-Nitrophenol	5.258	139	216598	43.64	ppb	97
30) 2,4-Dimethylphenol	5.301	107	395778	48.25	ppb	97
31) Benzoic Acid	5.408	105	337507	45.32	ppb	83
32) bis(2-Chloroethoxy)met...	5.381	93	486048	43.43	ppb	100
33) 2,4-Dichlorophenol	5.477	162	317921	42.94	ppb	96
34) 2,6-Dichlorophenol	5.691	162	312227	42.88	ppb	99
35) 1,3,5-Trichlorobenzene	5.269	180	358123	41.99	ppb	99
36) 1,2,4-Trichlorobenzene	5.558	180	346419	42.51	ppb	99
37) 1,2,3-Trichlorobenzene	5.771	180	343310	42.29	ppb	98
38) Naphthalene	5.627	128	1115279	42.19	ppb	99
39) 4-Chloroaniline	5.681	127	492293	45.41	ppb	98
40) 2,3-Dichloroaniline	6.681	161	405944	42.62	ppb	97
41) Caprolactam	6.050	55	204434	44.55	ppb	98
42) Hexachlorobutadiene	5.761	225	187713	43.13	ppb	98
43) 4-Chloro-3-methylphenol	6.199	107	378310	43.54	ppb	95
44) 2-Methylnaphthalene	6.354	141	654793	42.93	ppb	98
45) 1-Methylnaphthalene	6.461	141	654132	42.36	ppb	99
46) Dimethylnaphthalene	7.109	156	701838	42.70	ppb	98
48) Hexachlorocyclopentadiene	6.547	237	401483	86.75	ppb	100
49) 2,4,6-Trichlorophenol	6.691	196	236564	41.07	ppb	99
50) 2,4,5-Trichlorophenol	6.740	196	272496	43.58	ppb	99
52) 2-Chloronaphthalene	6.927	162	756882	40.91	ppb	100
53) Biphenyl	6.911	154	927785	41.01	ppb	99
54) 2-Nitroaniline	7.066	65	271667	41.51	ppb	95
55) Dimethylphthalate	7.323	163	841548	41.72	ppb	99
56) Acenaphthylene	7.462	152	1163602	41.25	ppb	99
57) 2,6-Dinitrotoluene	7.387	165	204492	43.42	ppb	98
58) 3-Nitroaniline	7.611	138	233085	43.92	ppb	91
59) Acenaphthene	7.697	153	718108	41.07	ppb	98
60) 2,4-Dinitrophenol	7.756	184	244972	89.46	ppb	99
61) 4-Nitrophenol	7.884	109	125272	48.93	ppb	97
62) Dibenzofuran	7.938	168	1009720	39.91	ppb	99
63) 2,4-Dinitrotoluene	7.938	165	266751	43.26	ppb	88
64) 2,3,4,6-Tetrachlorophenol	8.125	232	215399	44.02	ppb	98
65) Diethylphthalate	8.317	149	808947	30.62	ppb	98
66) Fluorene	8.424	166	869217	41.37	ppb	98
67) 4-Chlorophenyl-phenyle...	8.451	204	412805	41.94	ppb	99
68) 4-Nitroaniline	8.478	138	238216	44.43	ppb	99
70) 4,6-Dinitro-2-methylph...	8.526	198	174922	43.40	ppb	96
71) n-Nitrosodiphenylamine	8.628	169	601392	41.83	ppb	99
72) 1,2-Diphenylhydrazine	8.681	77	1033596	40.68	ppb	98
74) 4-Bromophenyl-phenylether	9.173	248	232575	42.03	ppb	98
75) Hexachlorobenzene	9.248	284	266343	40.92	ppb	97
76) Pentachlorophenol	9.564	266	337657	87.38	ppb	96
77) Phenanthrene	9.858	178	1241723	40.96	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8277.D
Acq On : 26 Jun 2014 5:01 pm
Operator : samtap
Sample : icc357-50
Misc : op75816,e6p357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 18:57:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:56:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.938	178	1272529	42.18	ppb	99
79) Carbazole	10.211	167	1230420	41.20	ppb	98
80) Di-n-butylphthalate	10.858	149	1408148	42.59	ppb	100
81) Fluoranthene	11.725	202	1423306	42.36	ppb	99
82) Octadecane	9.804	57	603842	40.86	ppb	99
84) Pyrene	12.072	202	1470406	40.76	ppb	96
85) Butyl stearate	13.425	56	626644	53.90	ppb	96
87) Butylbenzylphthalate	13.244	149	646668	42.43	ppb	96
88) Benzo[a]anthracene	14.008	228	1281636	40.57	ppb	98
89) 3,3'-Dichlorobenzidine	14.019	252	471192	41.03	ppb	98
90) Chrysene	14.062	228	1275688	40.37	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.217	149	899243	42.29	ppb	98
93) Di-n-octylphthalate	15.207	149	1572466	40.09	ppb	99
94) Benzo[b]fluoranthene	15.618	252	1360990	38.06	ppb	99
95) Benzo[k]fluoranthene	15.661	252	1401308	38.42	ppb	99
96) Benzo[a]pyrene	16.057	252	1298033	38.94	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.613	276	1315290	40.65	ppb	96
98) Dibenz(a,h)acridine	17.282	279	1225085	41.16	ppb	100
99) Dibenz[a,h]anthracene	17.651	278	1384209	40.43	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.629	256	661608	47.81	ppb	99
101) Benzo[g,h,i]perylene	18.025	276	1365582	39.38	ppb	99

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

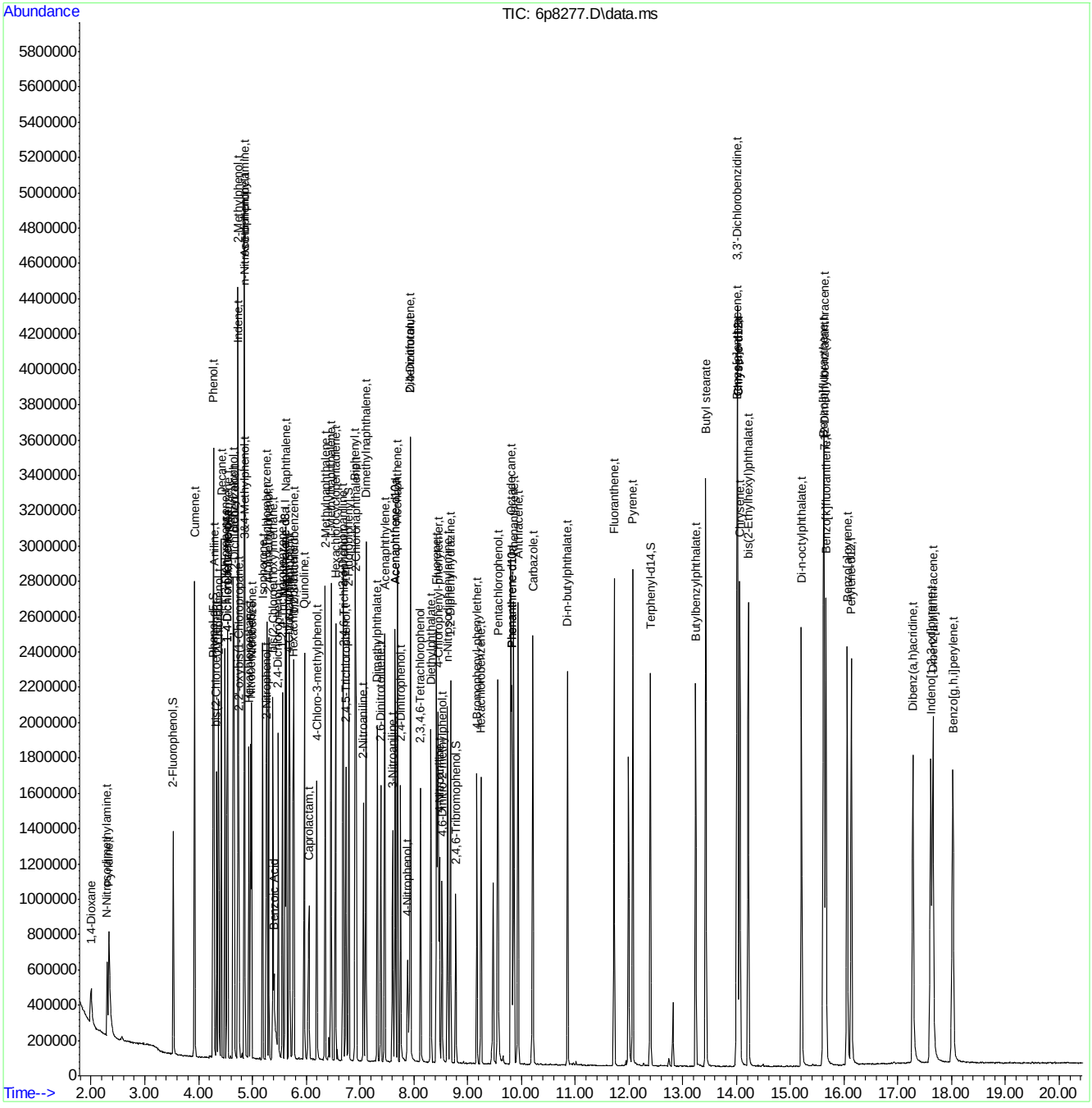
9.6.78

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8277.D
Acq On : 26 Jun 2014 5:01 pm
Operator : samtap
Sample : icc357-50
Misc : op75816,e6p357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 18:57:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:56:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:59:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	226656	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	927018	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	560376	40.00	ppb	-0.01
69) Phenanthrene-d10	9.821	188	931631	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	993351	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	918111	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.531	152	226656	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	931631	40.00	ppb	-0.01
107) Chrysene-d12a	14.014	240	993351	40.00	ppb	-0.02
110) Acenaphthene-d10a	7.649	164	560376	40.00	ppb	-0.01
112) Naphthalene-d8a	5.606	136	927018	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.525	112	46036	5.28	ppb	0.00
Spiked Amount 50.000			Recovery = 10.56%			
8) Phenol-d5	4.263	99	60827	5.63	ppb	-0.01
Spiked Amount 50.000			Recovery = 11.26%			
25) Nitrobenzene-d5	4.964	82	54684	5.31	ppb	-0.01
Spiked Amount 50.000			Recovery = 10.62%			
51) 2-Fluorobiphenyl	6.788	172	102650	5.73	ppb	-0.01
Spiked Amount 50.000			Recovery = 11.46%			
73) 2,4,6-Tribromophenol	8.778	330	12780	5.07	ppb	-0.01
Spiked Amount 50.000			Recovery = 10.14%			
86) Terphenyl-d14	12.393	244	117871	5.26	ppb	-0.01
Spiked Amount 50.000			Recovery = 10.52%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.996	88	19007	5.10	ppb	89
3) Pyridine	2.349	79	52862	5.60	ppb	98
4) N-Nitrosodimethylamine	2.306	74	30802	5.08	ppb	92
6) Indene	4.729	116	87782	6.03	ppb	98
7) Cumene	3.926	105	125583	5.77	ppb	100
9) Phenol	4.274	94	73276	5.75	ppb	51
10) Aniline	4.279	93	84307	6.18	ppb	80
11) bis(2-Chloroethyl)ether	4.333	93	52228	5.73	ppb	96
12) 2-Chlorophenol	4.376	128	49054	5.71	ppb	97
13) Decane	4.418	43	57214	6.02	ppb	97
14) 1,3-Dichlorobenzene	4.488	146	53673	5.75	ppb	96
15) 1,4-Dichlorobenzene	4.542	146	54340	5.76	ppb	99
16) Benzyl alcohol	4.638	108	33930	5.61	ppb	98
17) 1,2-Dichlorobenzene	4.659	146	51875	5.84	ppb	99
18) Acetophenone	4.841	105	75811	6.12	ppb	97
19) 2-Methylphenol	4.729	108	44844	5.84	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.745	121	17176	5.69	ppb	93
21) 3&4-Methylphenol	4.852	108	45689	5.66	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:59:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.846	70	39714	6.20	ppb	96
23) Hexachloroethane	4.932	201	19160	5.84	ppb	88
26) Nitrobenzene	4.980	77	61445	5.45	ppb	95
27) Quinoline	5.959	129	95845	5.43	ppb	99
28) Isophorone	5.183	82	105201	5.50	ppb	99
29) 2-Nitrophenol	5.258	139	25564	5.37	ppb	99
30) 2,4-Dimethylphenol	5.301	107	40169	5.02	ppb	99
31) Benzoic Acid	5.371	105	25640m	3.58	ppb	
32) bis(2-Chloroethoxy)met...	5.376	93	59621	5.55	ppb	98
33) 2,4-Dichlorophenol	5.483	162	38815	5.47	ppb	96
34) 2,6-Dichlorophenol	5.691	162	38571	5.53	ppb	99
35) 1,3,5-Trichlorobenzene	5.269	180	47161	5.79	ppb	98
36) 1,2,4-Trichlorobenzene	5.552	180	45308	5.82	ppb	98
37) 1,2,3-Trichlorobenzene	5.772	180	44435	5.73	ppb	99
38) Naphthalene	5.627	128	146785	5.81	ppb	98
39) 4-Chloroaniline	5.681	127	59088	5.64	ppb	96
40) 2,3-Dichloroaniline	6.681	161	51134	5.61	ppb	99
41) Caprolactam	6.002	55	24450	5.53	ppb	92
42) Hexachlorobutadiene	5.756	225	24085	5.78	ppb	98
43) 4-Chloro-3-methylphenol	6.194	107	45202	5.42	ppb	99
44) 2-Methylnaphthalene	6.349	141	83951	5.75	ppb	99
45) 1-Methylnaphthalene	6.462	141	86483	5.86	ppb	95
46) Dimethylnaphthalene	7.104	156	89170	5.67	ppb	98
48) Hexachlorocyclopentadiene	6.542	237	39528	9.37	ppb	94
49) 2,4,6-Trichlorophenol	6.686	196	29288	5.60	ppb	96
50) 2,4,5-Trichlorophenol	6.740	196	30930	5.40	ppb	100
52) 2-Chloronaphthalene	6.922	162	97782	5.82	ppb	98
53) Biphenyl	6.906	154	120957	5.89	ppb	96
54) 2-Nitroaniline	7.061	65	31457	5.28	ppb	99
55) Dimethylphthalate	7.312	163	101791	5.54	ppb	99
56) Acenaphthylene	7.457	152	144467	5.64	ppb	99
57) 2,6-Dinitrotoluene	7.382	165	22237	5.16	ppb	99
58) 3-Nitroaniline	7.606	138	25583	5.26	ppb	92
59) Acenaphthene	7.692	153	90125	5.68	ppb	98
60) 2,4-Dinitrophenol	7.761	184	11701	4.66	ppb	95
61) 4-Nitrophenol	7.911	109	10941m	4.58	ppb	
62) Dibenzofuran	7.933	168	136657	5.97	ppb	97
63) 2,4-Dinitrotoluene	7.933	165	31520	5.59	ppb	88
64) 2,3,4,6-Tetrachlorophenol	8.130	232	24718	5.51	ppb	97
65) Diethylphthalate	8.312	149	99931	4.32	ppb	99
66) Fluorene	8.419	166	108189	5.66	ppb	100
67) 4-Chlorophenyl-phenyle...	8.446	204	51398	5.73	ppb	98
68) 4-Nitroaniline	8.467	138	25600	5.20	ppb	99
70) 4,6-Dinitro-2-methylph...	8.521	198	13628	3.66	ppb	94
71) n-Nitrosodiphenylamine	8.623	169	73179	5.51	ppb	98
72) 1,2-Diphenylhydrazine	8.676	77	126642	5.42	ppb	99
74) 4-Bromophenyl-phenylether	9.168	248	27377	5.35	ppb	91
75) Hexachlorobenzene	9.243	284	32453	5.42	ppb	95
76) Pentachlorophenol	9.569	266	34070	9.53	ppb	93
77) Phenanthrene	9.853	178	158942	5.69	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:59:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.933	178	159028	5.70	ppb	98
79) Carbazole	10.206	167	154091	5.60	ppb	98
80) Di-n-butylphthalate	10.858	149	162109	5.30	ppb	98
81) Fluoranthene	11.719	202	170426	5.48	ppb	100
82) Octadecane	9.799	57	77711	5.71	ppb	99
84) Pyrene	12.067	202	185677	5.40	ppb	98
85) Butyl stearate	13.426	56	50964	4.40	ppb	96
87) Butylbenzylphthalate	13.238	149	70781	4.85	ppb	97
88) Benzo[a]anthracene	13.998	228	159117	5.29	ppb	98
89) 3,3'-Dichlorobenzidine	14.014	252	58575	5.35	ppb	97
90) Chrysene	14.051	228	160622	5.34	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.217	149	99731	4.96	ppb	97
93) Di-n-octylphthalate	15.201	149	162553	5.07	ppb	97
94) Benzo[b]fluoranthene	15.608	252	171205	5.80	ppb	98
95) Benzo[k]fluoranthene	15.645	252	176822	5.87	ppb	98
96) Benzo[a]pyrene	16.052	252	153033	5.55	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.598	276	126318m	4.69	ppb	
98) Dibenz(a,h)acridine	17.271	279	130890	5.27	ppb	98
99) Dibenz[a,h]anthracene	17.635	278	144746	5.08	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.613	256	47046	3.98	ppb	95
101) Benzo[g,h,i]perylene	18.004	276	158808	5.52	ppb	97

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

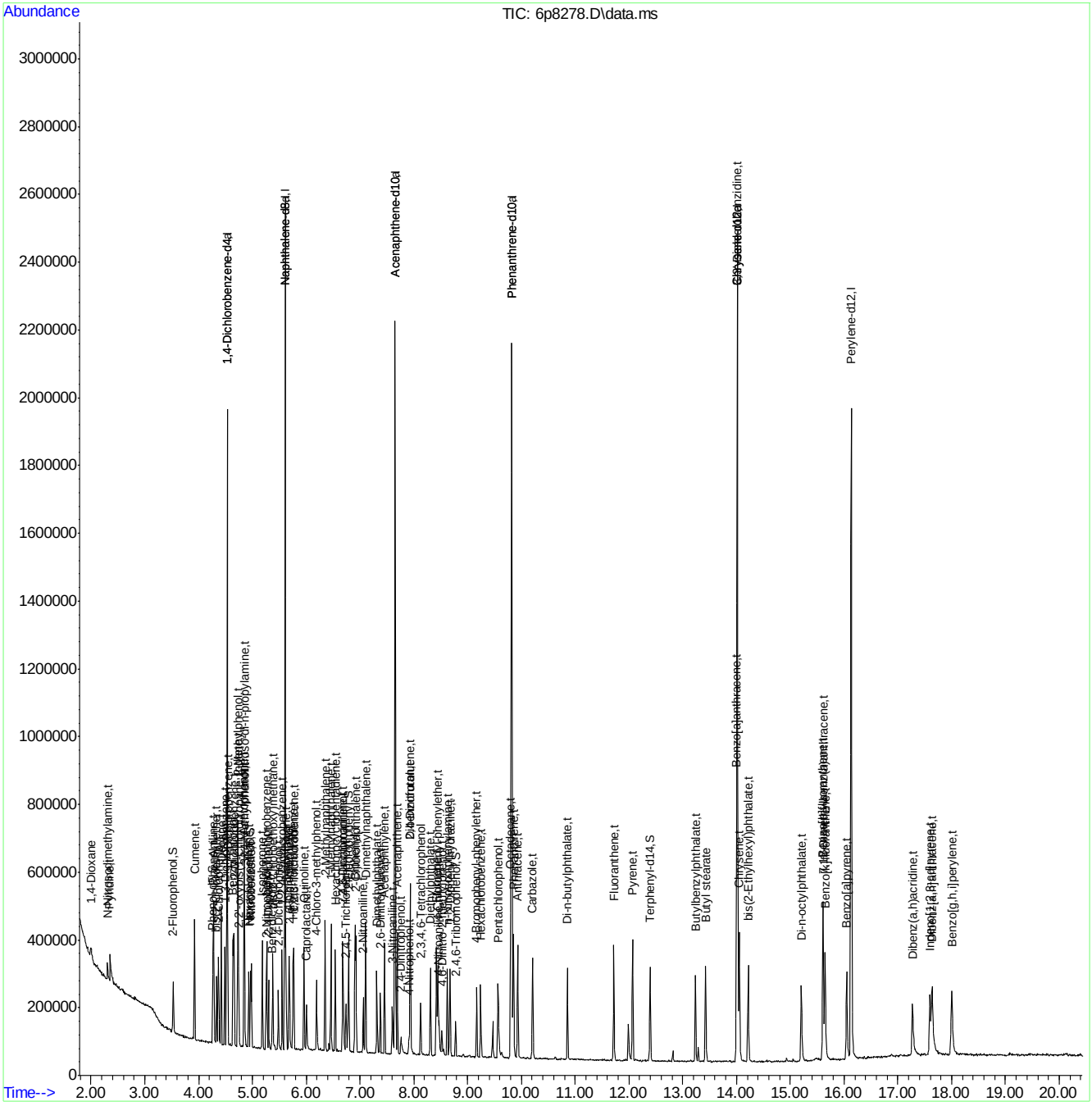
9.6.79

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:59:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

Sample Number: E6P357-IC357
Lab FileID: 6P8278.D
Injection Time: 06/26/14 17:29

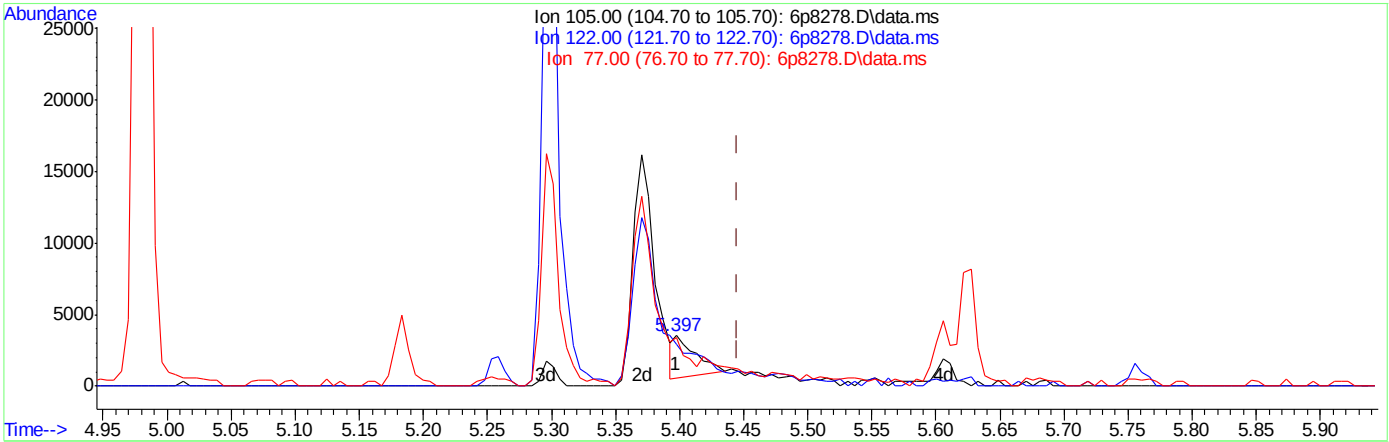
Method: SW846 8270D
Analyst approved: 07/01/14 10:59 Andrew Lee Smith
Supervisor approved: 07/02/14 15:14 Nina Pandya

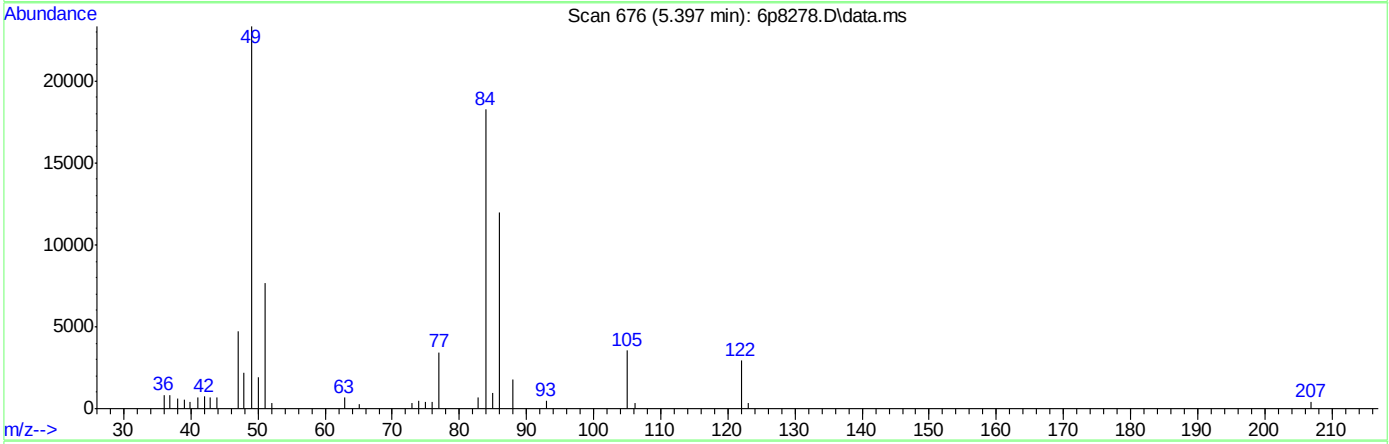
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Poor instrument integration
4-Nitrophenol	100-02-7		7.91	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		17.60	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:57:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration





TIC: 6p8278.D\data.ms

(31) Benzoic Acid

5.397min (-0.048) 0.50ppb

response 3575

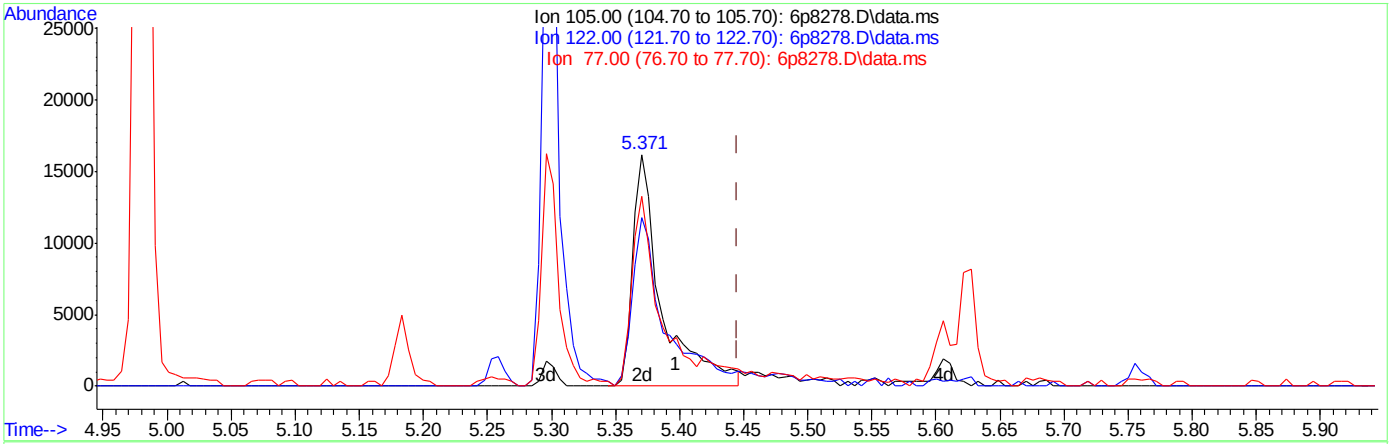
Ion	Exp%	Act%
105.00	100	100
122.00	71.30	0.00#
77.00	82.00	62.01
0.00	0.00	0.00

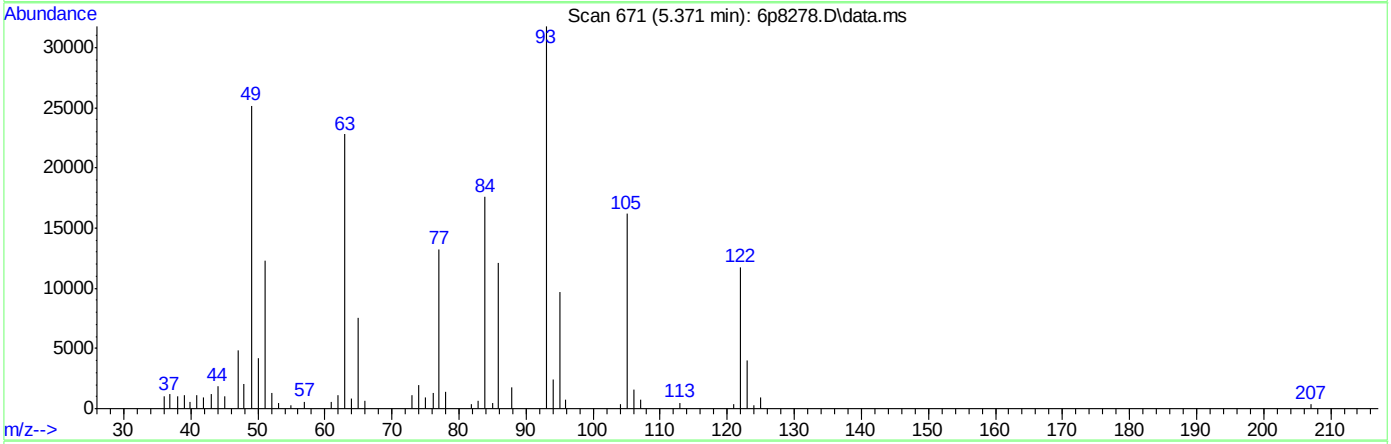
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:57:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration





TIC: 6p8278.D\data.ms

(31) Benzoic Acid

5.371min (-0.075) 3.58ppb m

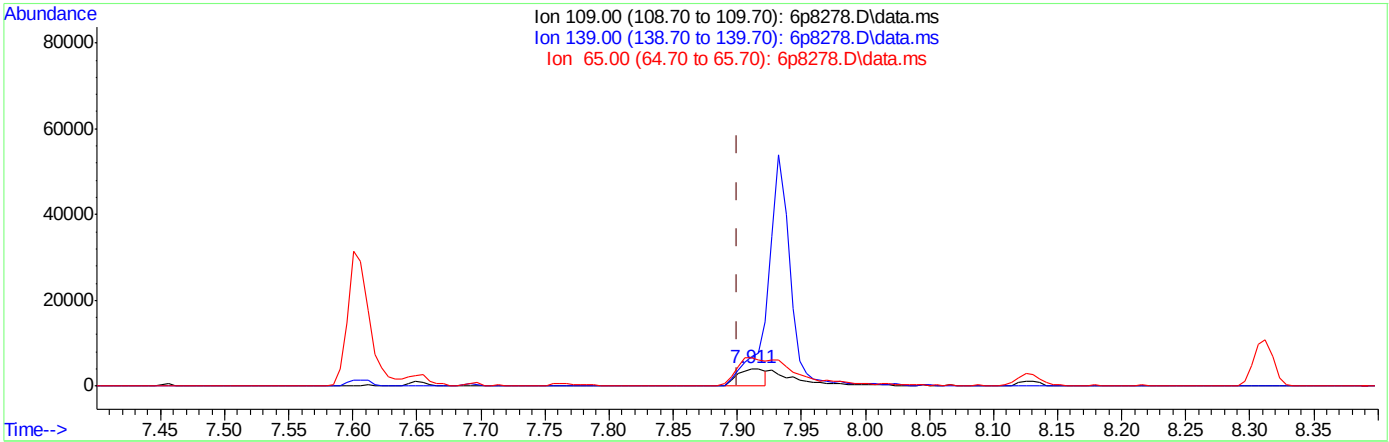
response 25640

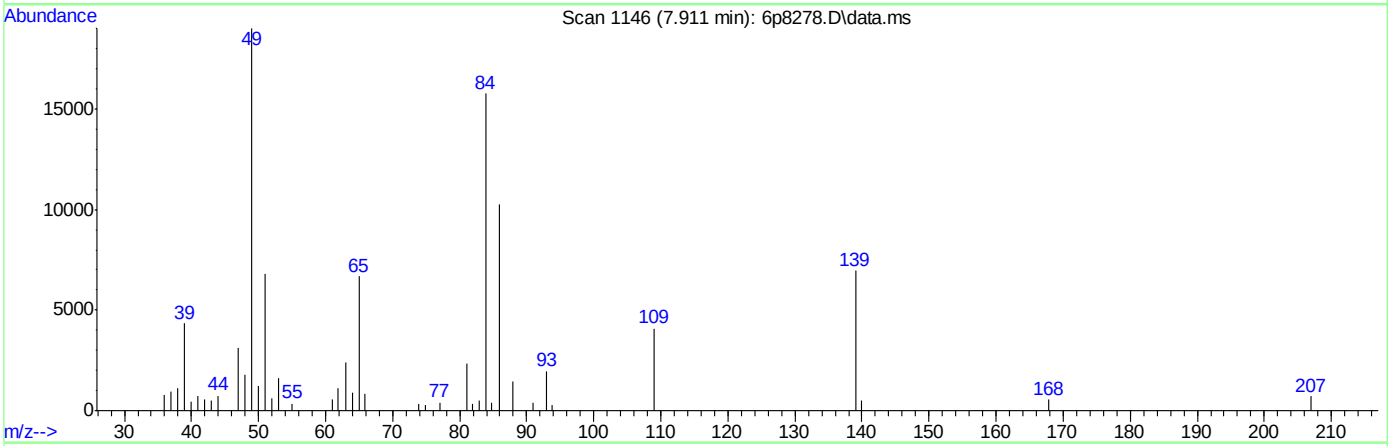
Ion	Exp%	Act%
105.00	100	100
122.00	71.30	0.00#
77.00	82.00	8.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:57:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration





TIC: 6p8278.D\data.ms

(61) 4-Nitrophenol (t)

7.911min (+0.011) 2.57ppb

response 6130

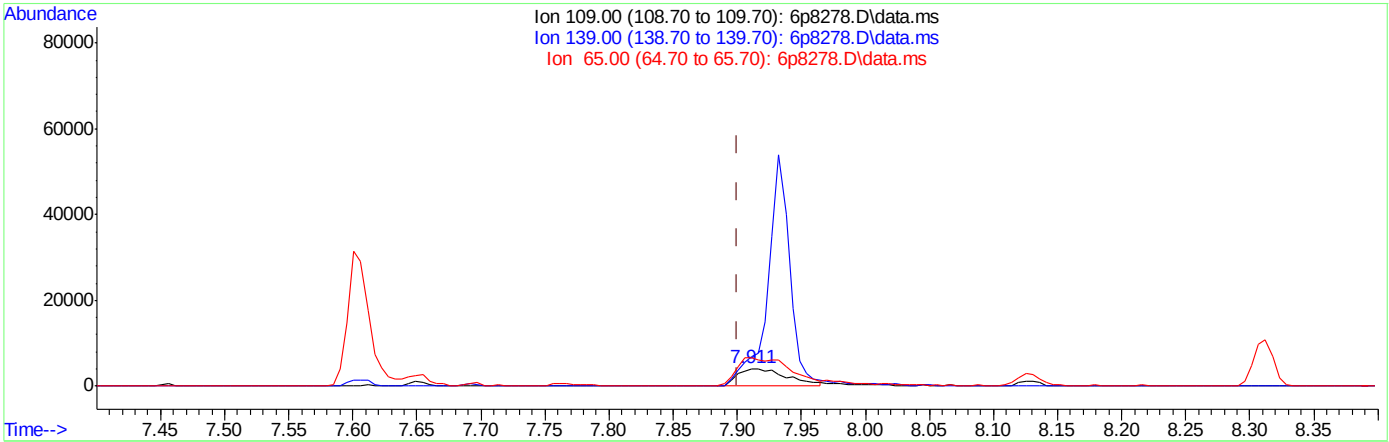
Ion	Exp%	Act%
109.00	100	100
139.00	142.60	0.00#
65.00	156.90	146.55
0.00	0.00	0.00

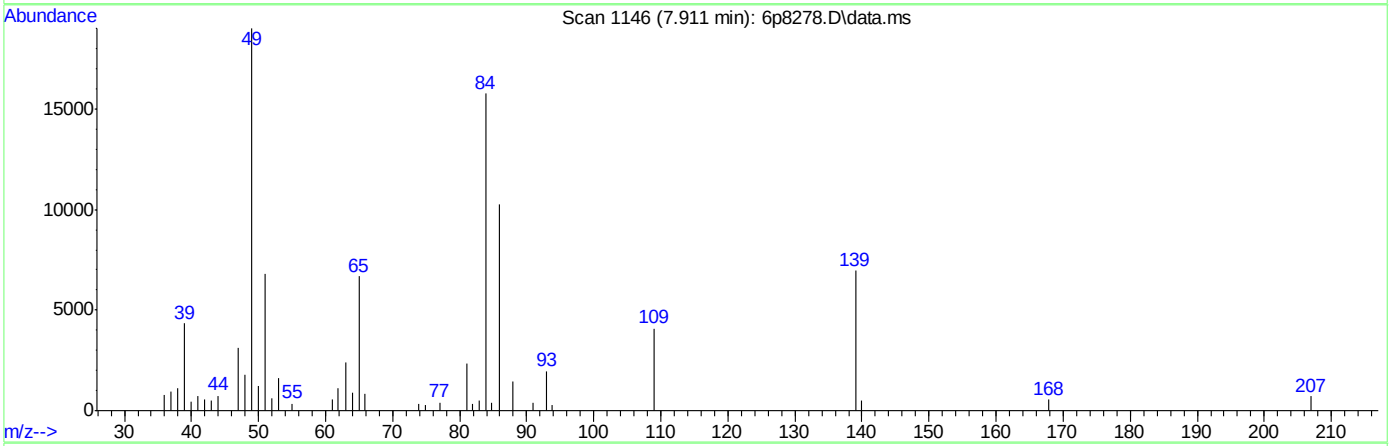
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:57:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration





TIC: 6p8278.D\data.ms

(61) 4-Nitrophenol (t)

7.911min (+0.011) 4.58ppb m

response 10941

Ion	Exp%	Act%
109.00	100	100
139.00	142.60	170.09
65.00	156.90	163.29
0.00	0.00	0.00

9.795

9

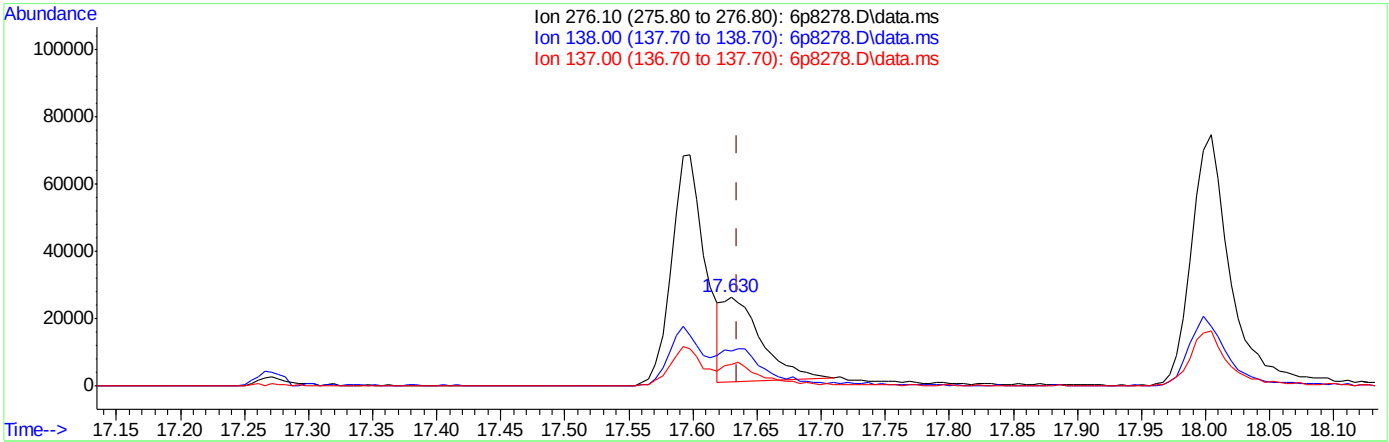
ACCUTEST LABORATORIES JB69123

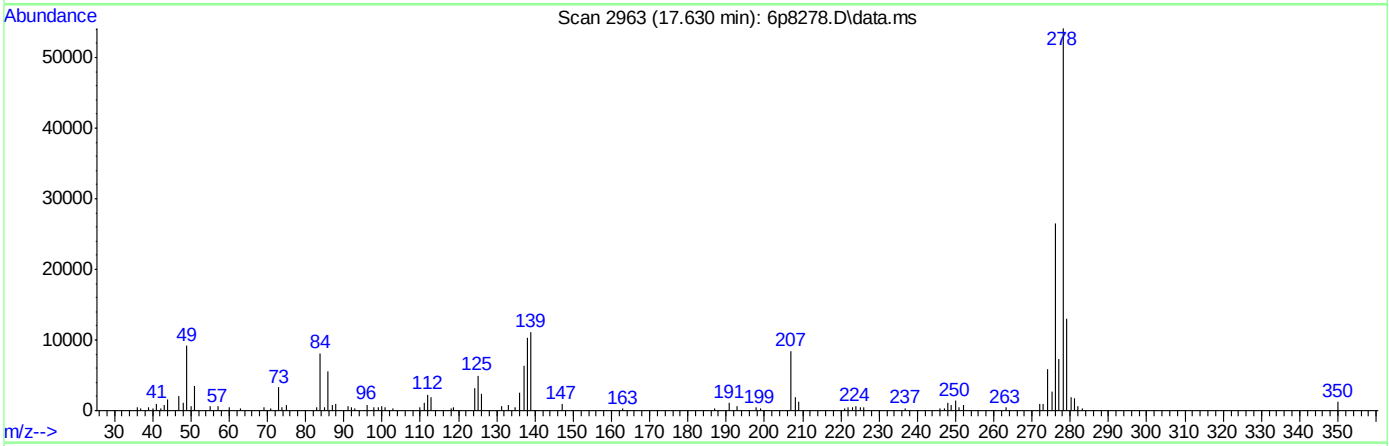
6P8278.D edits: 4-Nitrophenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:57:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration





TIC: 6p8278.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.630min (-0.005) 1.96ppb

response 52893

Ion	Exp%	Act%
276.10	100	100
138.00	19.80	39.89
137.00	14.00	31.07
0.00	0.00	0.00

9.6.79.6

9

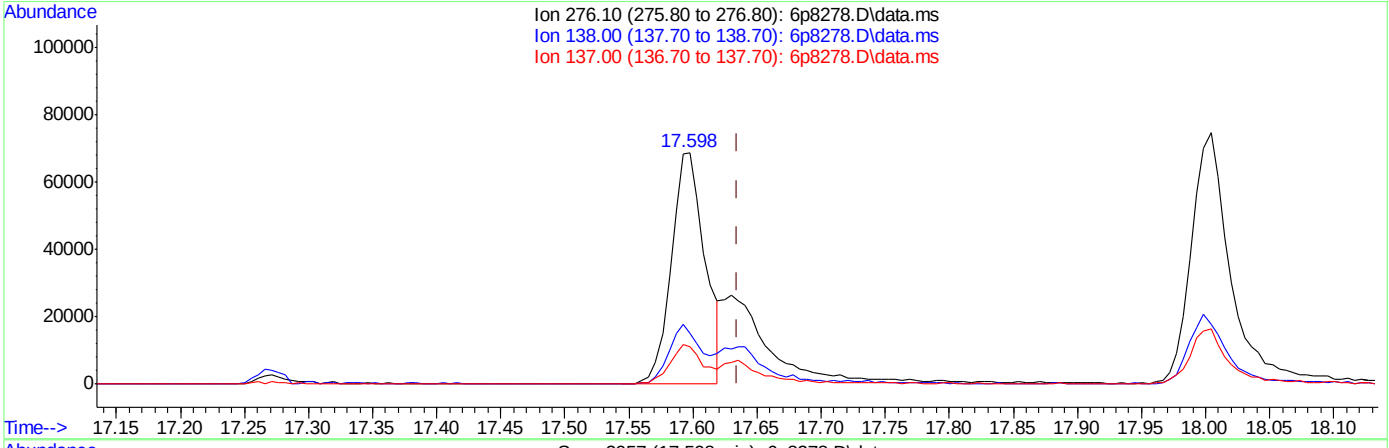
6P8278.D edits: Indeno[1,2,3-cd]pyrene

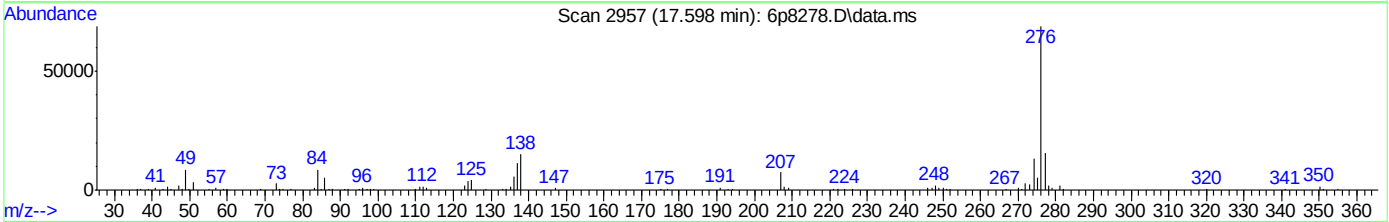
ACCUTEST LABORATORIES JB69123

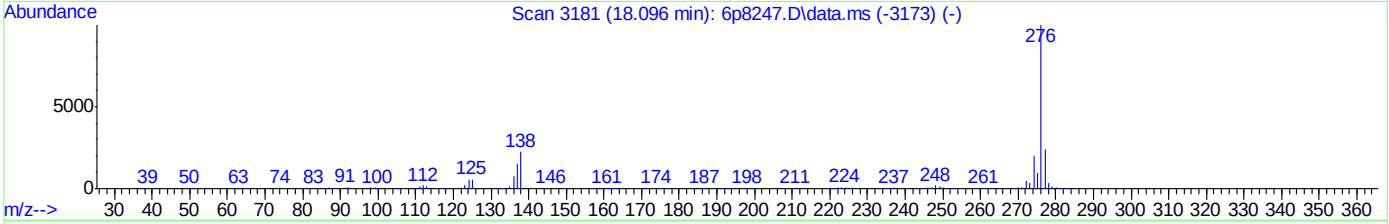
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8278.D
Acq On : 26 Jun 2014 5:29 pm
Operator : samtap
Sample : ic357-5
Misc : op75816,e6p357
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 18:59:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:57:15 2014
Response via : Initial Calibration







TIC: 6p8278.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.598min (-0.037) 4.69ppb m

response 126318

Ion	Exp%	Act%
276.10	100	100
138.00	19.80	22.08
137.00	14.00	16.37
0.00	0.00	0.00

6P8278.D edits: Indeno[1,2,3-cd]pyrene

6P8279.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	293994	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	1215208	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	744144	40.00	ppb	0.00
69) Phenanthrene-d10	9.820	188	1246250	40.00	ppb	-0.01
83) Chrysene-d12	14.019	240	1355162	40.00	ppb	-0.01
92) Perylene-d12	16.137	264	1268361	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	293994	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	1246250	40.00	ppb	-0.01
107) Chrysene-d12a	14.019	240	1355162	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.654	164	744144	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	1215208	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.525	112	22166	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
8) Phenol-d5	4.263	99	28256	1.98	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.96%		
25) Nitrobenzene-d5	4.964	82	28744	2.11	ppb	-0.01
Spiked Amount 50.000			Recovery =	4.22%		
51) 2-Fluorobiphenyl	6.788	172	54541	2.25	ppb	-0.01
Spiked Amount 50.000			Recovery =	4.50%		
73) 2,4,6-Tribromophenol	8.783	330	6416	1.90	ppb	0.00
Spiked Amount 50.000			Recovery =	3.80%		
86) Terphenyl-d14	12.393	244	60788	1.97	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.94%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.990	88	8510	1.75	ppb	87
3) Pyridine	2.354	79	27373	2.20	ppb	95
4) N-Nitrosodimethylamine	2.306	74	15729	1.99	ppb	99
6) Indene	4.729	116	45205	2.33	ppb	95
7) Cumene	3.926	105	61799	2.14	ppb	98
9) Phenol	4.274	94	36470	2.16	ppb	47
10) Aniline	4.279	93	43791	2.39	ppb	77
11) bis(2-Chloroethyl)ether	4.333	93	25627	2.12	ppb	98
12) 2-Chlorophenol	4.376	128	23854	2.10	ppb	96
13) Decane	4.418	43	28247	2.23	ppb	97
14) 1,3-Dichlorobenzene	4.488	146	28094	2.27	ppb	98
15) 1,4-Dichlorobenzene	4.541	146	27609	2.21	ppb	98
16) Benzyl alcohol	4.638	108	16376	2.05	ppb	93
17) 1,2-Dichlorobenzene	4.659	146	26597	2.25	ppb	99
18) Acetophenone	4.841	105	38868	2.34	ppb	95
19) 2-Methylphenol	4.734	108	21597	2.12	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.745	121	8563	2.15	ppb	99
21) 3&4-Methylphenol	4.852	108	23745	2.23	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.846	70	20914	2.43	ppb	98
23) Hexachloroethane	4.932	201	9062	2.08	ppb	88
26) Nitrobenzene	4.980	77	31576	2.11	ppb	97
27) Quinoline	5.959	129	49131	2.10	ppb	99
28) Isophorone	5.183	82	52422	2.06	ppb	98
29) 2-Nitrophenol	5.258	139	12276	1.95	ppb	96
30) 2,4-Dimethylphenol	5.301	107	19950	1.90	ppb	99
32) bis(2-Chloroethoxy)met...	5.376	93	30697	2.15	ppb	97
33) 2,4-Dichlorophenol	5.483	162	18718	1.99	ppb	89
34) 2,6-Dichlorophenol	5.691	162	18742	2.02	ppb	98
35) 1,3,5-Trichlorobenzene	5.269	180	24864	2.28	ppb	94
36) 1,2,4-Trichlorobenzene	5.552	180	23391	2.24	ppb	99
37) 1,2,3-Trichlorobenzene	5.772	180	23431	2.26	ppb	98
38) Naphthalene	5.627	128	74980	2.21	ppb	98
39) 4-Chloroaniline	5.681	127	30192	2.16	ppb	98
40) 2,3-Dichloroaniline	6.681	161	25997	2.14	ppb	99
41) Caprolactam	6.002	55	12014	2.04	ppb	88
42) Hexachlorobutadiene	5.756	225	12114	2.17	ppb	95
43) 4-Chloro-3-methylphenol	6.194	107	22003	1.99	ppb	98
44) 2-Methylnaphthalene	6.349	141	41078	2.10	ppb	99
45) 1-Methylnaphthalene	6.462	141	43847	2.21	ppb	96
46) Dimethylnaphthalene	7.103	156	46554	2.22	ppb	97
48) Hexachlorocyclopentadiene	6.542	237	18612	3.36	ppb	99
49) 2,4,6-Trichlorophenol	6.692	196	14758	2.09	ppb	99
50) 2,4,5-Trichlorophenol	6.750	196	15522	2.02	ppb	94
52) 2-Chloronaphthalene	6.922	162	50140	2.20	ppb	97
53) Biphenyl	6.905	154	62766	2.24	ppb	99
54) 2-Nitroaniline	7.061	65	14942	1.88	ppb	96
55) Dimethylphthalate	7.312	163	52906	2.14	ppb	99
56) Acenaphthylene	7.456	152	73697	2.13	ppb	98
57) 2,6-Dinitrotoluene	7.382	165	10720	1.86	ppb	95
58) 3-Nitroaniline	7.606	138	11815	1.81	ppb	94
59) Acenaphthene	7.692	153	48043	2.24	ppb	99
62) Dibenzofuran	7.932	168	70656	2.26	ppb	97
63) 2,4-Dinitrotoluene	7.932	165	14203	1.86	ppb	66
64) 2,3,4,6-Tetrachlorophenol	8.130	232	11950	1.98	ppb	92
65) Diethylphthalate	8.312	149	51156	1.70	ppb	99
66) Fluorene	8.419	166	55998	2.17	ppb	98
67) 4-Chlorophenyl-phenyle...	8.446	204	26833	2.21	ppb	97
68) 4-Nitroaniline	8.473	138	11866	1.80	ppb	85
70) 4,6-Dinitro-2-methylph...	8.521	198	5607	1.13	ppb	86
71) n-Nitrosodiphenylamine	8.622	169	37169	2.06	ppb	95
72) 1,2-Diphenylhydrazine	8.676	77	65496	2.07	ppb	100
74) 4-Bromophenyl-phenylether	9.168	248	14615	2.12	ppb	91
75) Hexachlorobenzene	9.243	284	17939	2.21	ppb	98
76) Pentachlorophenol	9.574	266	15785	3.33	ppb	94
77) Phenanthrene	9.853	178	84236	2.21	ppb	99
78) Anthracene	9.933	178	82446	2.17	ppb	97
79) Carbazole	10.211	167	77701	2.08	ppb	98
80) Di-n-butylphthalate	10.858	149	80755	1.96	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	11.719	202	89544	2.12	ppb	99
82) Octadecane	9.799	57	37941	2.04	ppb	96
84) Pyrene	12.067	202	96137	2.03	ppb	99
85) Butyl stearate	13.425	56	23462	1.51	ppb	98
87) Butylbenzylphthalate	13.238	149	35153	1.77	ppb	97
88) Benzo[a]anthracene	14.003	228	84854	2.05	ppb	98
89) 3,3'-Dichlorobenzidine	14.014	252	26659	1.77	ppb	87
90) Chrysene	14.051	228	83286	2.01	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.217	149	46475	1.70	ppb	93
93) Di-n-octylphthalate	15.207	149	73571	1.66	ppb	99
94) Benzo[b]fluoranthene	15.608	252	75558m	1.81	ppb	
95) Benzo[k]fluoranthene	15.645	252	87954	2.06	ppb	98
96) Benzo[a]pyrene	16.052	252	73595	1.90	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.592	276	57711m	1.56	ppb	
98) Dibenz(a,h)acridine	17.271	279	58688	1.70	ppb	98
99) Dibenz[a,h]anthracene	17.640	278	63501	1.61	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.613	256	18231	1.15	ppb	97
101) Benzo[g,h,i]perylene	18.004	276	80611	2.00	ppb	98

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

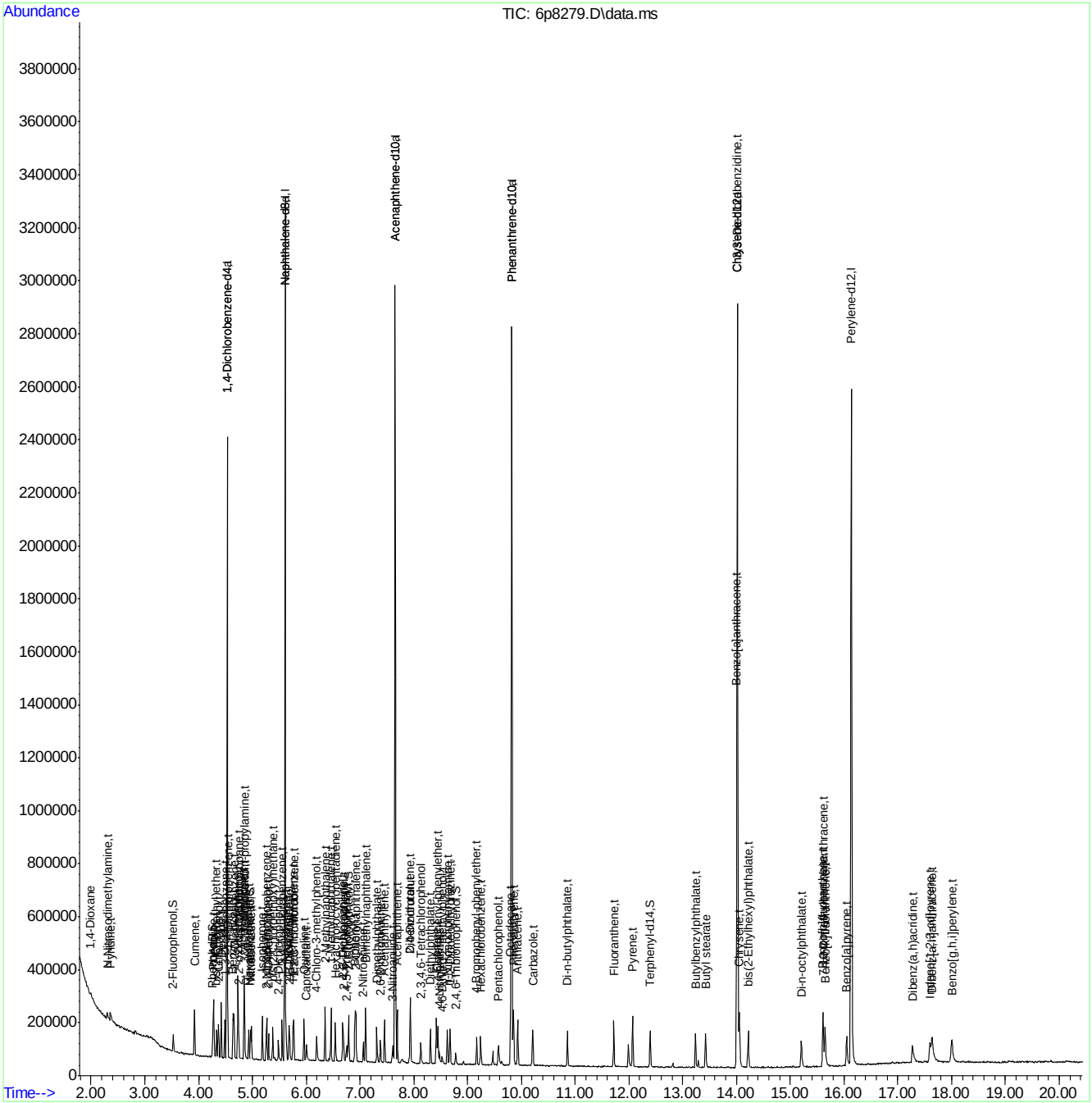
9.6.80

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

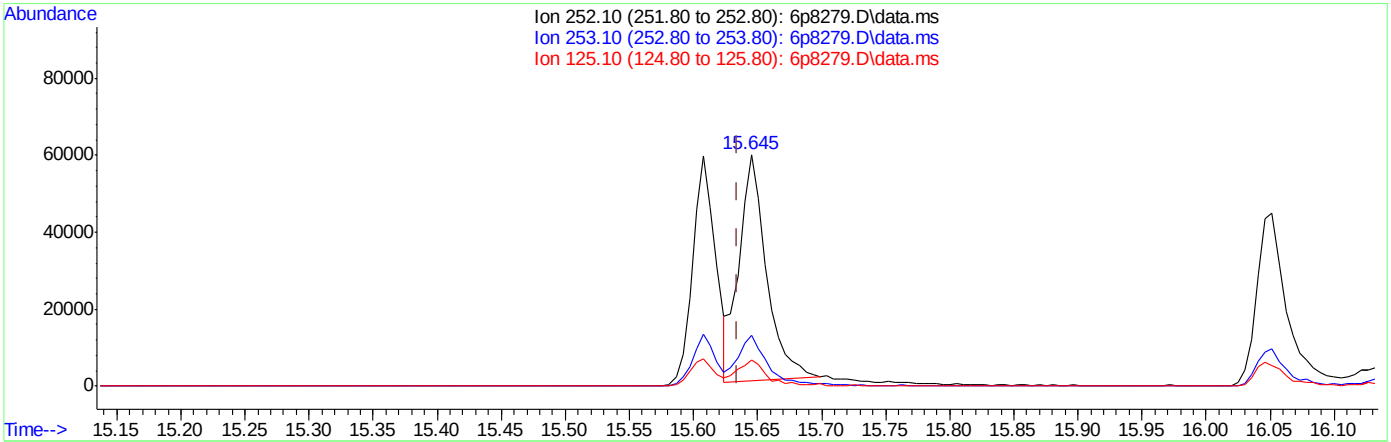
Sample Number: E6P357-IC357
Lab FileID: 6P8279.D
Injection Time: 06/26/14 17:58
Method: SW846 8270D
Analyst approved: 07/01/14 10:59 Andrew Lee Smith
Supervisor approved: 07/02/14 15:14 Nina Pandya

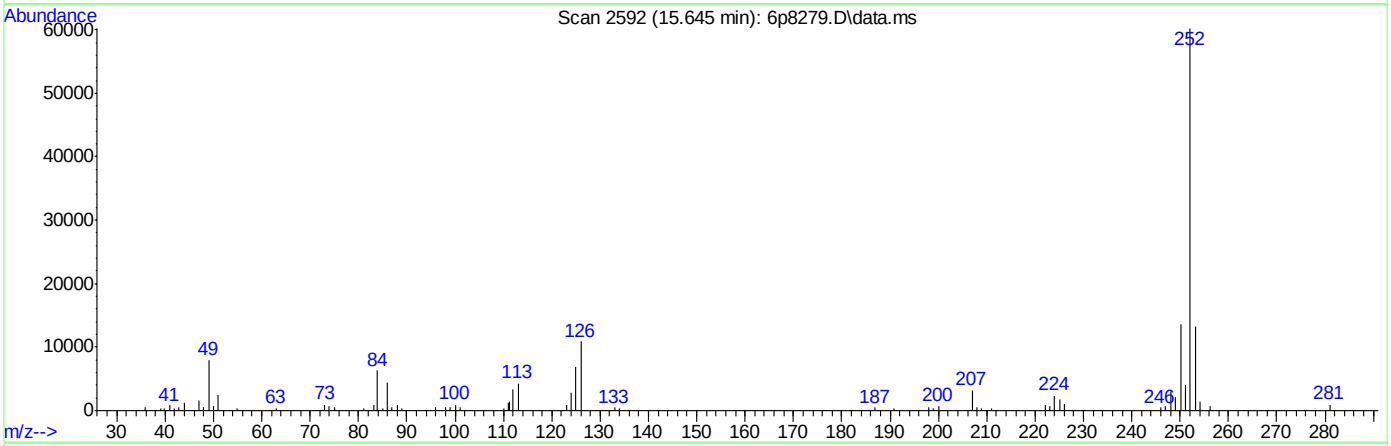
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		15.61	Overlapping peak
Indeno(1,2,3-cd)pyrene	193-39-5		17.59	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 18:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration





TIC: 6p8279.D\data.ms

(94) Benzo[b]fluoranthene (t)

15.645min (+0.011) 2.11ppb

response 87954

Ion	Exp%	Act%
252.10	100	100
253.10	22.30	22.31
125.10	11.30	10.97
0.00	0.00	0.00

9.6.80.2

9

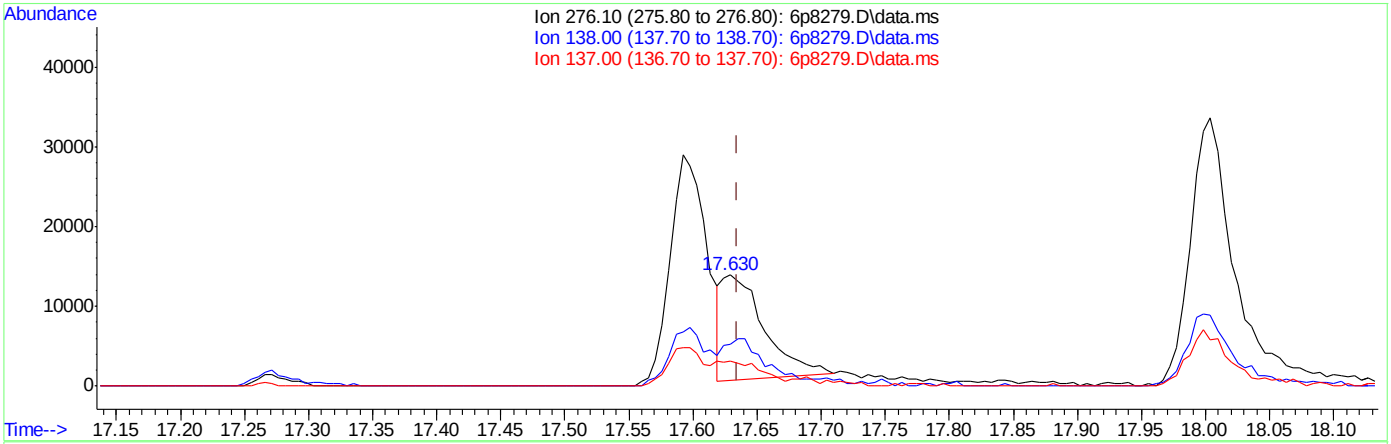
ACCUTEST LABORATORIES JB69123

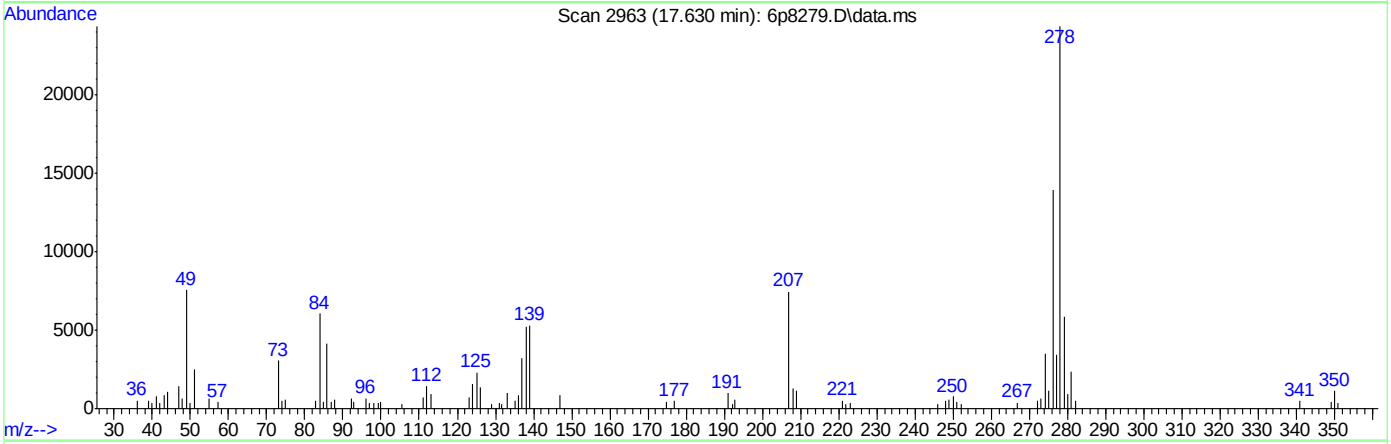
6P8279.D edits: Benzo[b]fluoranthene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 18:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration





TIC: 6p8279.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.630min (-0.005) 0.81ppb

response 29798

Ion	Exp%	Act%
276.10	100	100
138.00	19.80	43.62
137.00	14.00	20.56
0.00	0.00	0.00

9.6.80.3

9

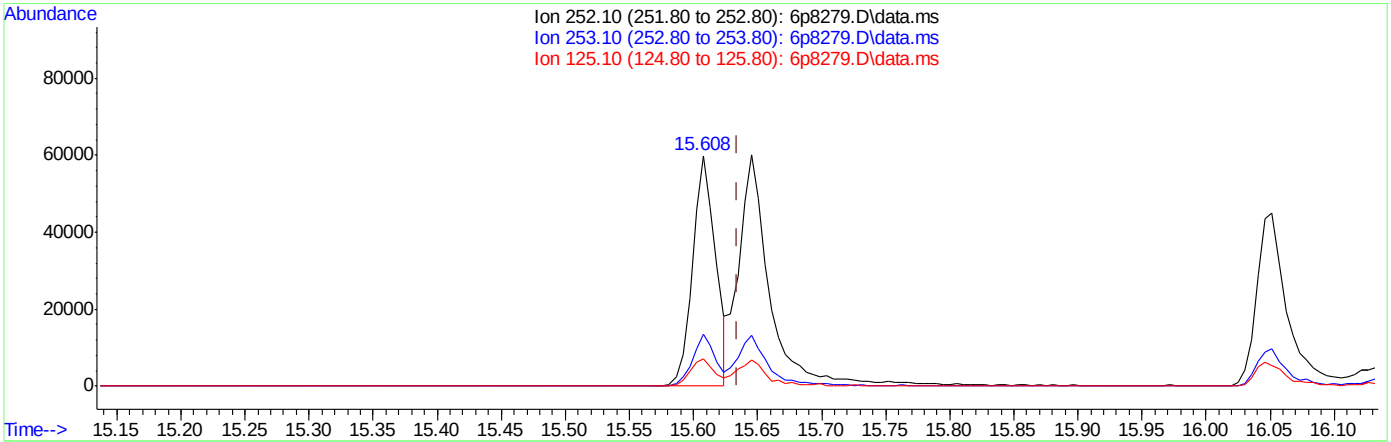
ACCUTEST LABORATORIES JB69123

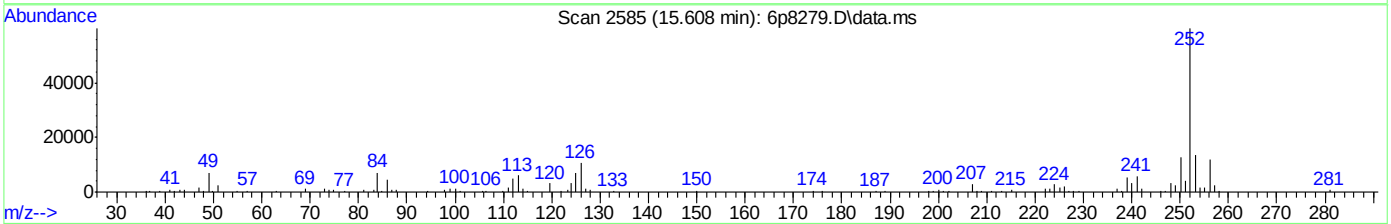
6P8279.D edits: Indeno[1,2,3-cd]pyrene

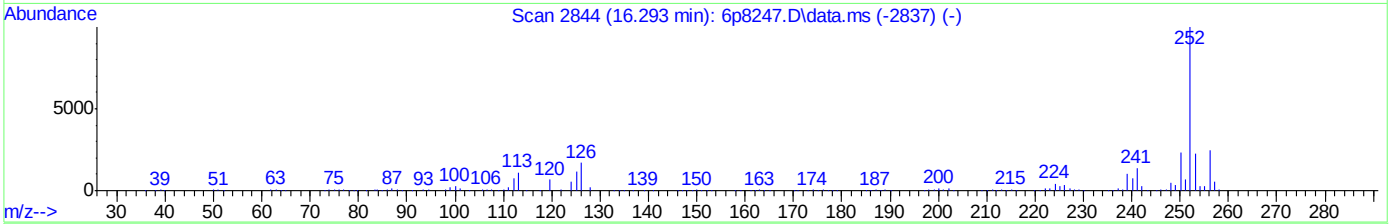
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration







TIC: 6p8279.D\data.ms

(94) Benzo[b]fluoranthene (t)

15.608min (-0.027) 1.81ppb m

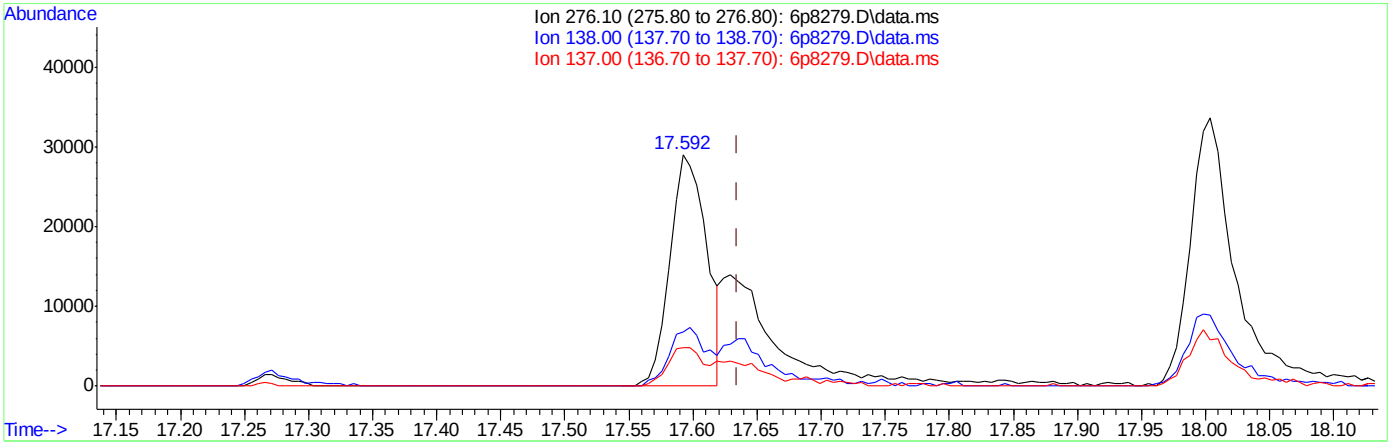
response 75558

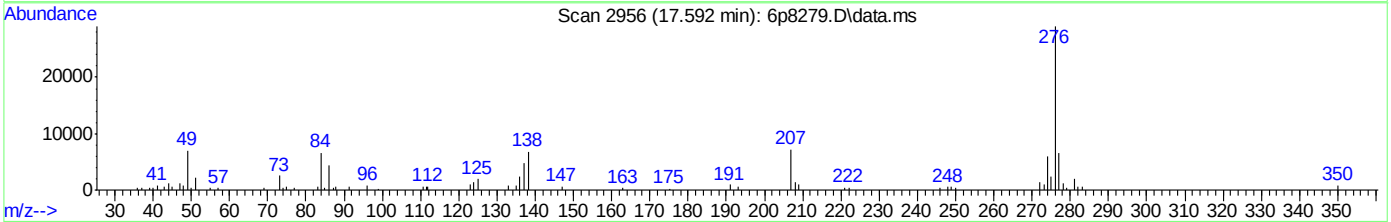
Ion	Exp%	Act%
252.10	100	100
253.10	22.30	22.62
125.10	11.30	11.92
0.00	0.00	0.00

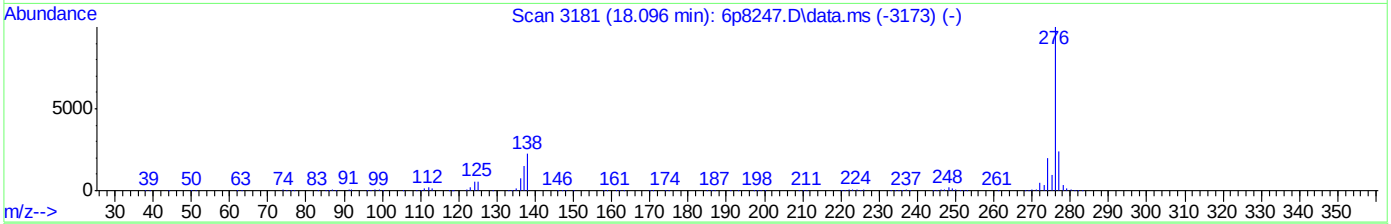
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8279.D
Acq On : 26 Jun 2014 5:58 pm
Operator : samtap
Sample : ic357-2
Misc : op75816,e6p357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 19:00:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 18:59:37 2014
Response via : Initial Calibration







TIC: 6p8279.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.592min (-0.043) 1.56ppb m

response 57711

Ion	Exp%	Act%
276.10	100	100
138.00	19.80	23.43
137.00	14.00	16.66
0.00	0.00	0.00

9.6.80.5

9

6P8279.D edits: Indeno[1,2,3-cd]pyrene

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	204837	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	830866	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	519640	40.00	ppb	0.00
69) Phenanthrene-d10	9.821	188	857094	40.00	ppb	-0.01
83) Chrysene-d12	14.019	240	914294	40.00	ppb	-0.01
92) Perylene-d12	16.137	264	925464	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	204837	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	857094	40.00	ppb	-0.01
107) Chrysene-d12a	14.019	240	914294	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.654	164	519640	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	830866	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.525	112	183257	23.15	ppb	0.00
Spiked Amount 50.000			Recovery = 46.30%			
8) Phenol-d5	4.263	99	231539	23.33	ppb	-0.01
Spiked Amount 50.000			Recovery = 46.66%			
25) Nitrobenzene-d5	4.964	82	213597	22.78	ppb	-0.01
Spiked Amount 50.000			Recovery = 45.56%			
51) 2-Fluorobiphenyl	6.788	172	387570	22.50	ppb	-0.01
Spiked Amount 50.000			Recovery = 45.00%			
73) 2,4,6-Tribromophenol	8.778	330	52456	22.71	ppb	-0.01
Spiked Amount 50.000			Recovery = 45.42%			
86) Terphenyl-d14	12.393	244	452683	21.81	ppb	-0.01
Spiked Amount 50.000			Recovery = 43.62%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.996	88	83034	25.01	ppb	99
3) Pyridine	2.333	79	204576	23.28	ppb	98
4) N-Nitrosodimethylamine	2.295	74	127538	23.22	ppb	96
6) Indene	4.729	116	315823	22.86	ppb	98
7) Cumene	3.926	105	464902	22.94	ppb	99
9) Phenol	4.274	94	276149	23.24	ppb	49
10) Aniline	4.279	93	321326	24.60	ppb	79
11) bis(2-Chloroethyl)ether	4.333	93	193857	22.89	ppb	99
12) 2-Chlorophenol	4.376	128	184212	23.11	ppb	98
13) Decane	4.419	43	210889	23.53	ppb	97
14) 1,3-Dichlorobenzene	4.488	146	199045	22.70	ppb	98
15) 1,4-Dichlorobenzene	4.542	146	201632	22.85	ppb	98
16) Benzyl alcohol	4.638	108	133761	23.97	ppb	100
17) 1,2-Dichlorobenzene	4.659	146	189585	22.71	ppb	100
18) Acetophenone	4.841	105	272294	23.06	ppb	93
19) 2-Methylphenol	4.734	108	175110	24.45	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.745	121	62815	22.39	ppb	99
21) 3&4-Methylphenol	4.852	108	189042	25.08	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.846	70	142771	23.21	ppb	93
23) Hexachloroethane	4.932	201	70443	23.10	ppb	87
26) Nitrobenzene	4.980	77	234505	22.77	ppb	98
27) Quinoline	5.959	129	362841	22.52	ppb	99
28) Isophorone	5.183	82	396560	22.72	ppb	99
29) 2-Nitrophenol	5.258	139	98841	22.99	ppb	98
30) 2,4-Dimethylphenol	5.296	107	187312	26.28	ppb	99
31) Benzoic Acid	5.376	105	128100m	20.94	ppb	
32) bis(2-Chloroethoxy)met...	5.376	93	230569	23.38	ppb	99
33) 2,4-Dichlorophenol	5.478	162	148223	23.03	ppb	96
34) 2,6-Dichlorophenol	5.691	162	147133	23.17	ppb	99
35) 1,3,5-Trichlorobenzene	5.269	180	176760	23.29	ppb	97
36) 1,2,4-Trichlorobenzene	5.552	180	162278	22.38	ppb	97
37) 1,2,3-Trichlorobenzene	5.772	180	162256	22.50	ppb	96
38) Naphthalene	5.627	128	540479	23.03	ppb	98
39) 4-Chloroaniline	5.681	127	232169	24.06	ppb	98
40) 2,3-Dichloroaniline	6.681	161	191339	22.83	ppb	99
41) Caprolactam	6.028	55	91769	22.77	ppb	98
42) Hexachlorobutadiene	5.761	225	89139	23.09	ppb	97
43) 4-Chloro-3-methylphenol	6.194	107	167299	22.14	ppb	94
44) 2-Methylnaphthalene	6.349	141	304684	22.65	ppb	98
45) 1-Methylnaphthalene	6.462	141	309602	22.55	ppb	100
46) Dimethylnaphthalene	7.104	156	332638	22.85	ppb	99
48) Hexachlorocyclopentadiene	6.542	237	180877	46.74	ppb	100
49) 2,4,6-Trichlorophenol	6.686	196	112146	22.61	ppb	98
50) 2,4,5-Trichlorophenol	6.734	196	121904	22.67	ppb	98
52) 2-Chloronaphthalene	6.927	162	357511	22.16	ppb	98
53) Biphenyl	6.906	154	442546	22.32	ppb	98
54) 2-Nitroaniline	7.061	65	123130	22.30	ppb	96
55) Dimethylphthalate	7.317	163	386752	22.18	ppb	99
56) Acenaphthylene	7.457	152	549123	22.51	ppb	99
57) 2,6-Dinitrotoluene	7.382	165	91623	23.01	ppb	96
58) 3-Nitroaniline	7.601	138	103127	22.95	ppb	99
59) Acenaphthene	7.697	153	331926	21.79	ppb	98
60) 2,4-Dinitrophenol	7.751	184	88194	38.33	ppb	97
61) 4-Nitrophenol	7.890	109	49678	22.71	ppb	95
62) Dibenzofuran	7.938	168	492130	22.20	ppb	99
63) 2,4-Dinitrotoluene	7.933	165	122966	23.31	ppb	90
64) 2,3,4,6-Tetrachlorophenol	8.125	232	95864	22.73	ppb	95
65) Diethylphthalate	8.312	149	374209	18.13	ppb	100
66) Fluorene	8.425	166	411077	22.54	ppb	98
67) 4-Chlorophenyl-phenyle...	8.446	204	195053	22.68	ppb	99
68) 4-Nitroaniline	8.467	138	105372	23.23	ppb	97
70) 4,6-Dinitro-2-methylph...	8.521	198	68708	20.05	ppb	98
71) n-Nitrosodiphenylamine	8.623	169	277256	22.28	ppb	98
72) 1,2-Diphenylhydrazine	8.676	77	486386	22.26	ppb	99
74) 4-Bromophenyl-phenylether	9.168	248	104305	21.79	ppb	93
75) Hexachlorobenzene	9.248	284	123672	21.88	ppb	98
76) Pentachlorophenol	9.564	266	149788	45.89	ppb	97
77) Phenanthrene	9.853	178	575748	21.70	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration

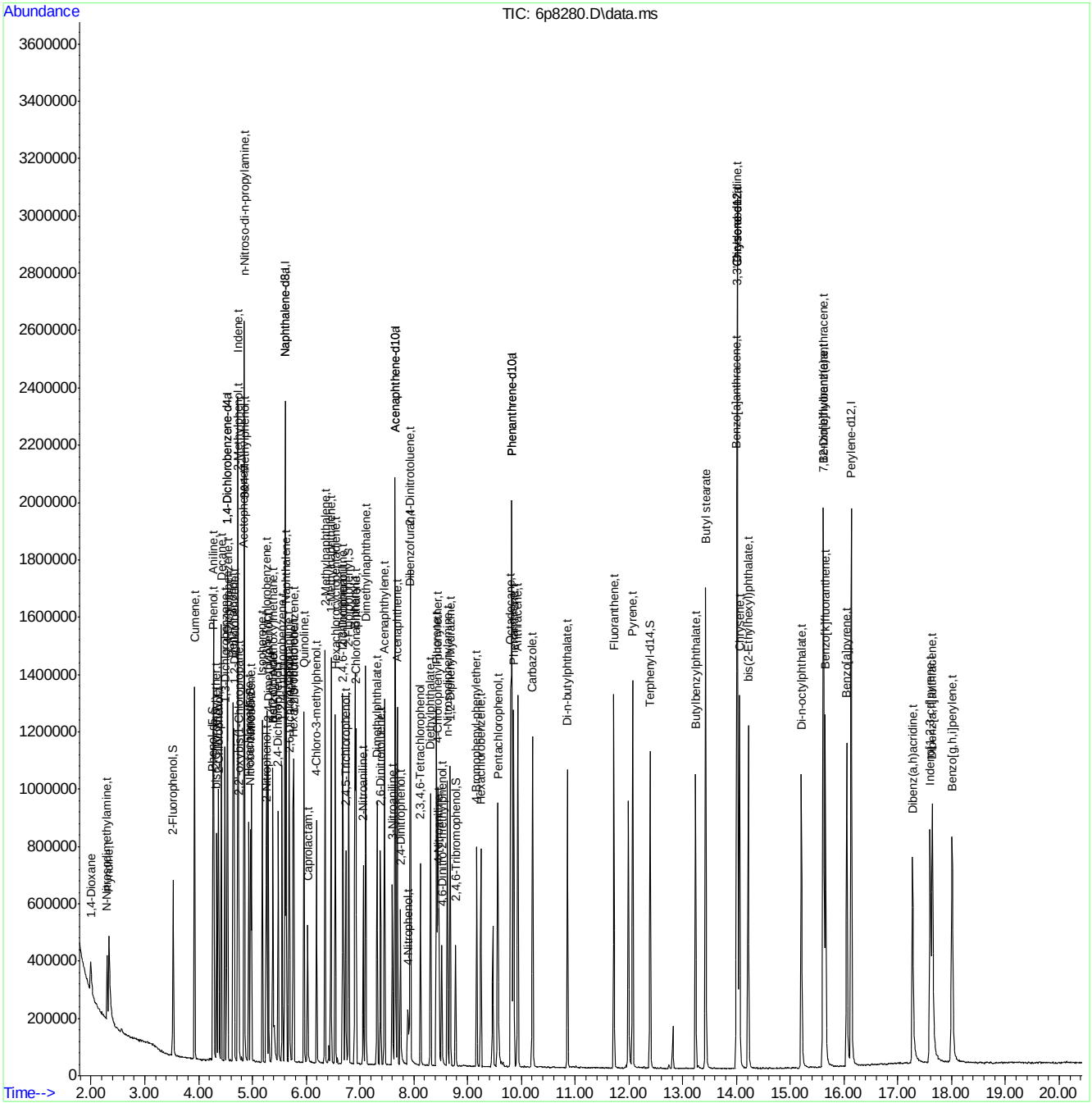
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.933	178	599319	22.66	ppb	99
79) Carbazole	10.206	167	576348	22.28	ppb	99
80) Di-n-butylphthalate	10.858	149	648647	22.90	ppb	99
81) Fluoranthene	11.719	202	646117	22.11	ppb	98
82) Octadecane	9.799	57	287797	22.48	ppb	98
84) Pyrene	12.067	202	698206	21.78	ppb	97
85) Butyl stearate	13.426	56	292519	28.81	ppb	98
87) Butylbenzylphthalate	13.238	149	292223	22.15	ppb	98
88) Benzo[a]anthracene	14.003	228	600393	21.44	ppb	100
89) 3,3'-Dichlorobenzidine	14.014	252	226712	22.60	ppb	97
90) Chrysene	14.057	228	597377	21.36	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.217	149	405706	22.53	ppb	98
93) Di-n-octylphthalate	15.201	149	695832	22.11	ppb	98
94) Benzo[b]fluoranthene	15.613	252	656372	21.83	ppb	98
95) Benzo[k]fluoranthene	15.651	252	655850	20.99	ppb	99
96) Benzo[a]pyrene	16.052	252	591872	21.08	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.598	276	587986	22.46	ppb	95
98) Dibenz(a,h)acridine	17.277	279	544757	22.01	ppb	100
99) Dibenz[a,h]anthracene	17.640	278	632033	22.51	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.619	256	316026	28.88	ppb	100
101) Benzo[g,h,i]perylene	18.009	276	615131	20.91	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

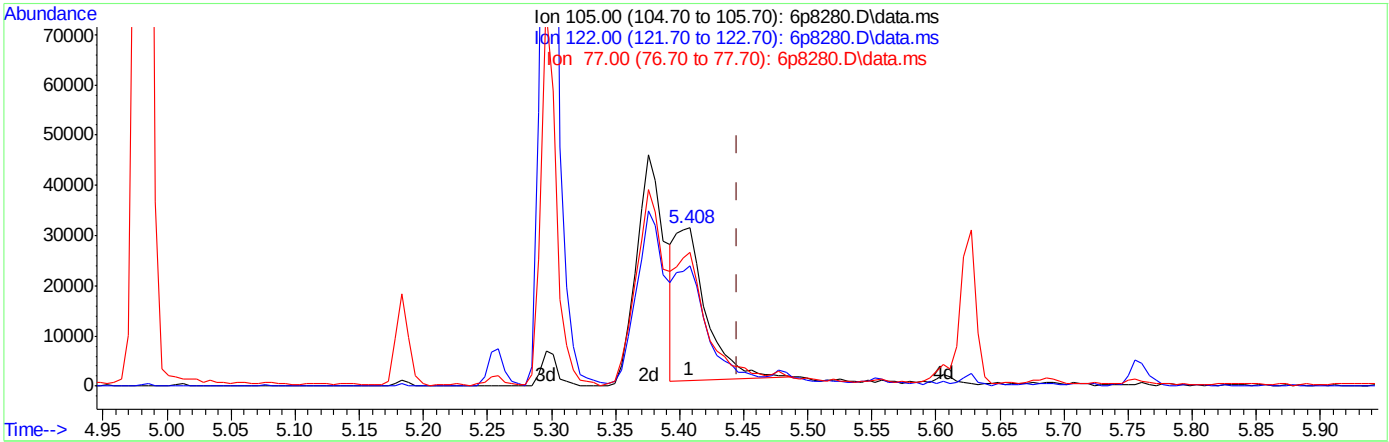
Sample Number: E6P357-IC357
Lab FileID: 6P8280.D
Injection Time: 06/26/14 18:25
Method: SW846 8270D
Analyst approved: 07/01/14 10:59 Andrew Lee Smith
Supervisor approved: 07/02/14 15:14 Nina Pandya

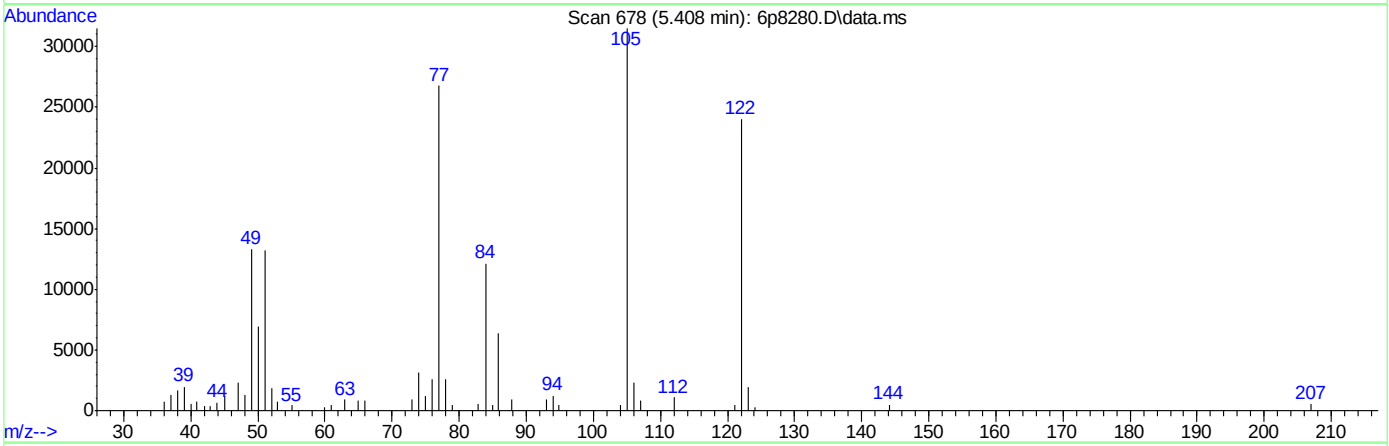
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.38	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:01:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration





TIC: 6p8280.D\data.ms

(31) Benzoic Acid

5.408min (-0.037) 8.61ppb

response 52681

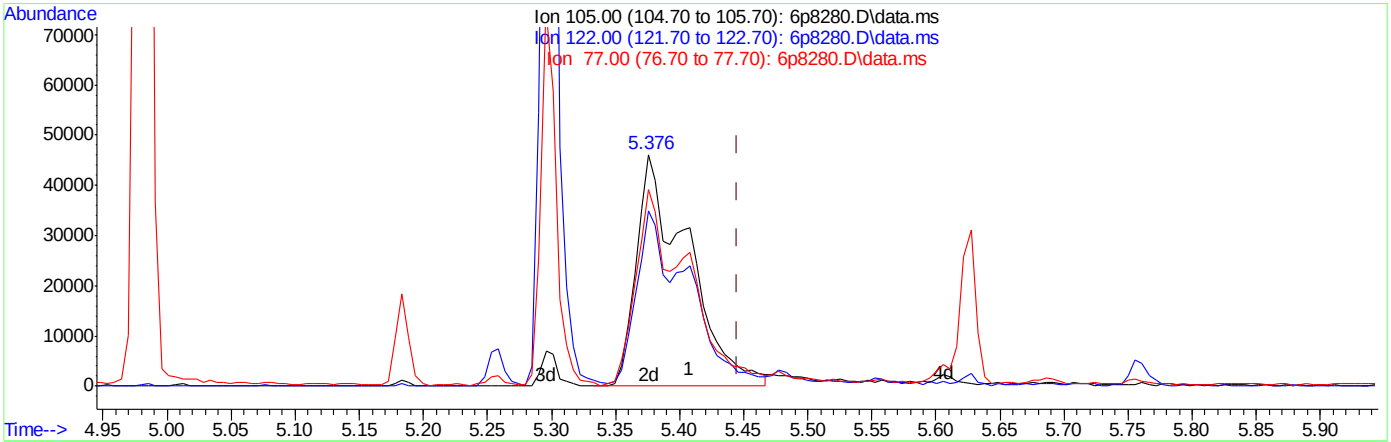
Ion	Exp%	Act%
105.00	100	100
122.00	71.30	79.29
77.00	82.00	86.86
0.00	0.00	0.00

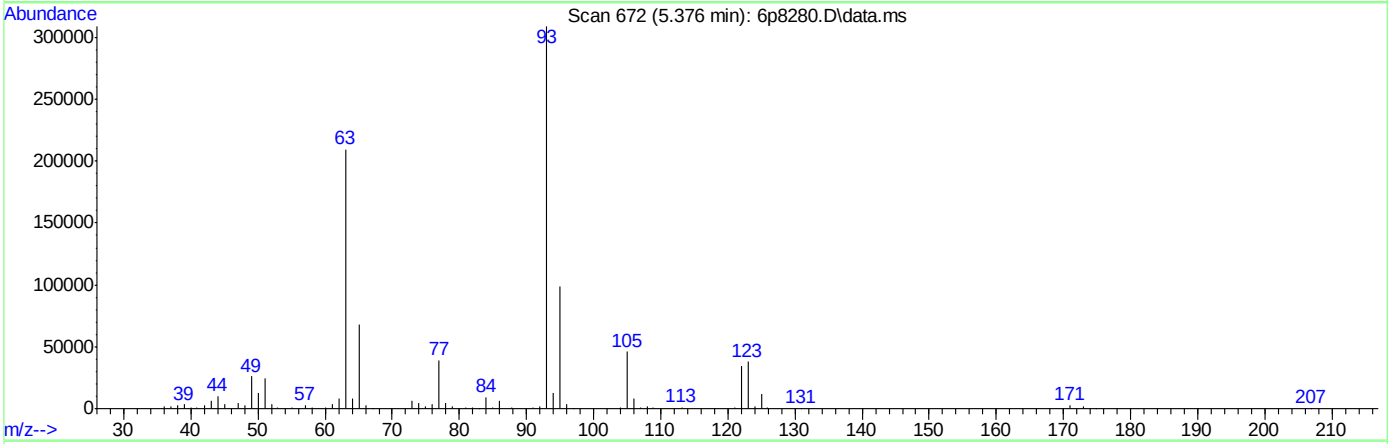
6P8280.D edits: Benzoic Acid

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8280.D
Acq On : 26 Jun 2014 6:25 pm
Operator : samtap
Sample : ic357-25
Misc : op75816,e6p357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 26 19:01:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 19:01:04 2014
Response via : Initial Calibration





TIC: 6p8280.D\data.ms

(31) Benzoic Acid

5.376min (-0.069) 20.94ppb m

response 128100

Ion	Exp%	Act%
105.00	100	100
122.00	71.30	32.61#
77.00	82.00	35.72#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8282.D
Acq On : 26 Jun 2014 7:01 pm
Operator : samtap
Sample : ic358-100
Misc : op75816,e6p358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 08:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration

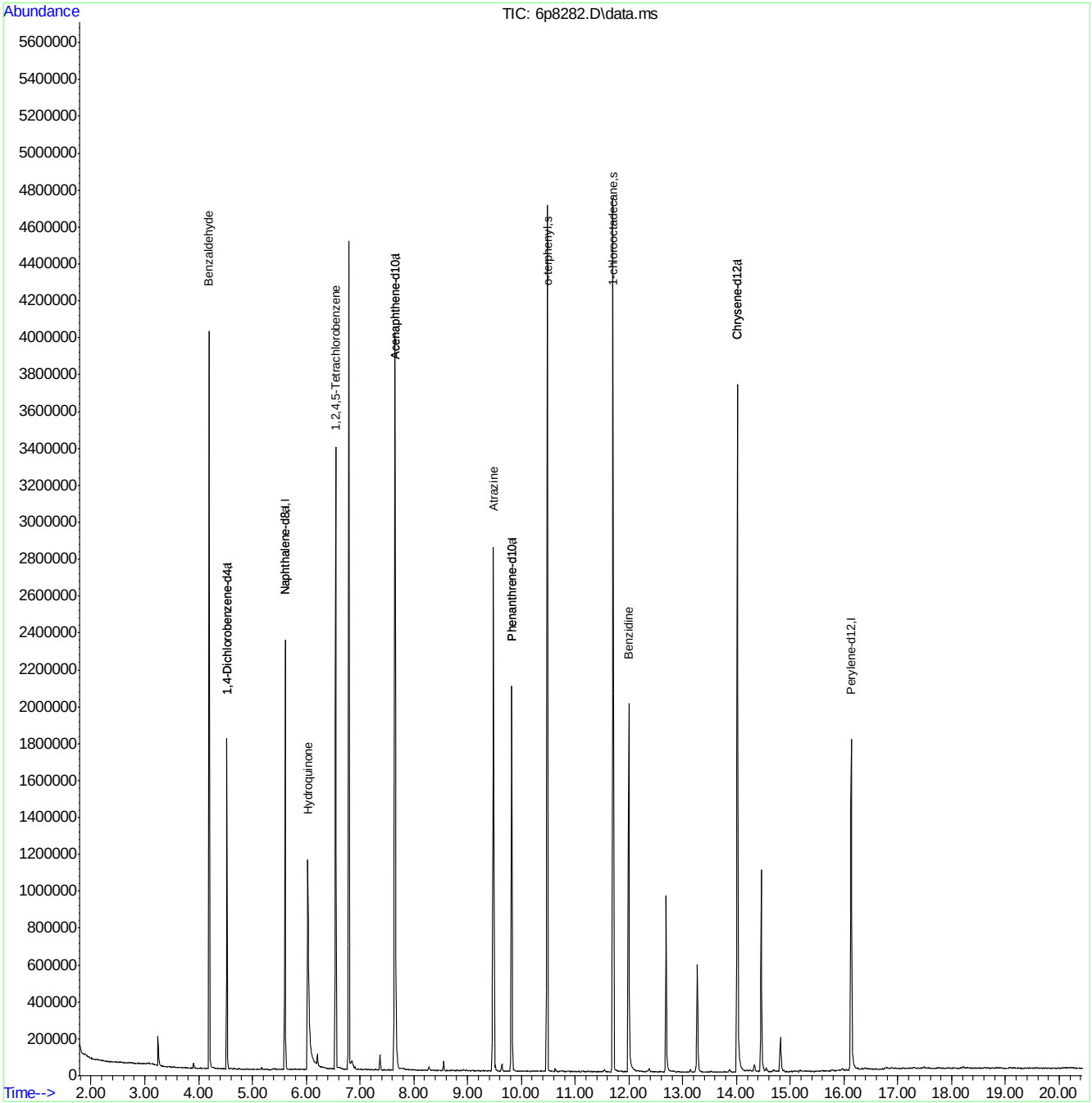
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	219920	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	882122	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	472933	40.00	ppb	0.00
69) Phenanthrene-d10	9.820	188	914953	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	908896	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	889956	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	219920	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	914953	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	908896	40.00	ppb	0.00
110) Acenaphthene-d10a	7.654	164	472933	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	882122	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.484	230	1238727	99.77	ppb	0.00
Spiked Amount 50.000			Recovery =	199.54%		
109) 1-chlorooctadecane	11.703	57	824521	196.70	ppb	0.00
Spiked Amount 50.000			Recovery =	393.40%		
Target Compounds						Qvalue
103) Benzaldehyde	4.194	105	630370	287.84	ppb	94
105) Atrazine	9.489	215	269397m	61.44	ppb	
108) Benzidine	11.997	184	1103477	98.52	ppb	78
111) 1,2,4,5-Tetrachloroben...	6.552	216	650422	97.65	ppb #	34
113) Hydroquinone	6.028	110	858825	200.87	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8282.D
Acq On : 26 Jun 2014 7:01 pm
Operator : samtap
Sample : ic358-100
Misc : op75816,e6p358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 08:34:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

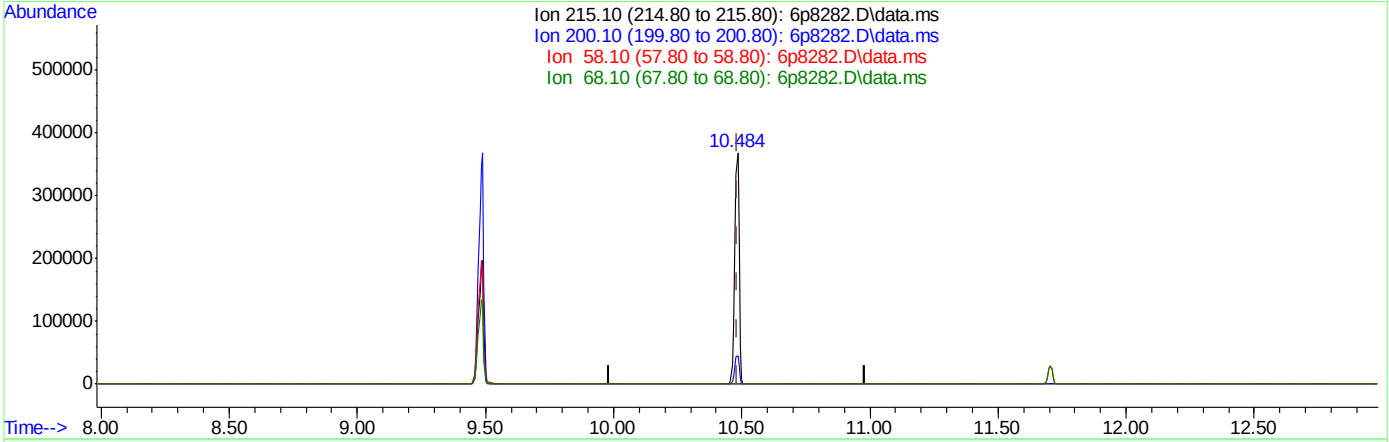
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8282.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 19:01	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

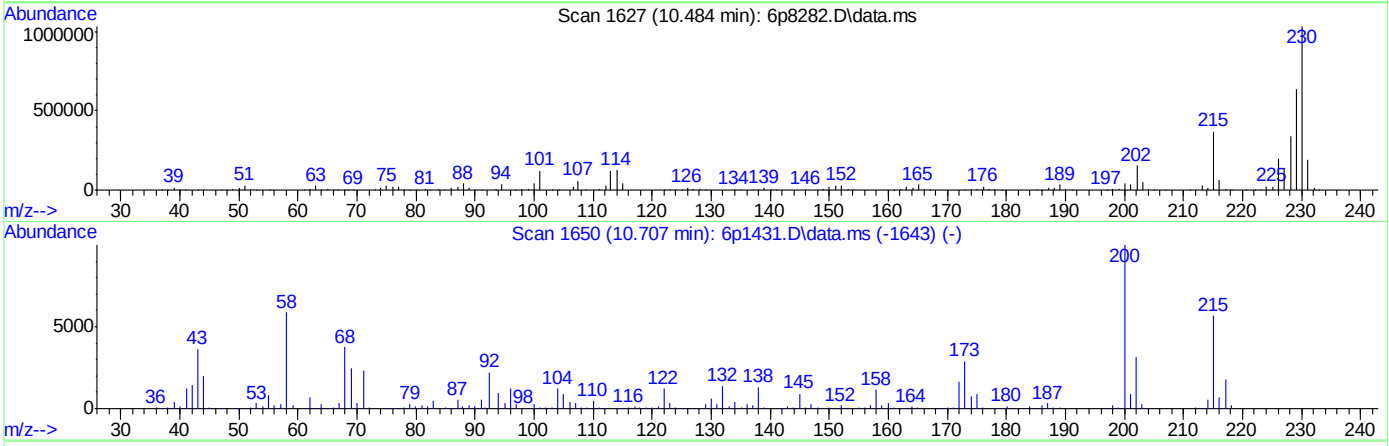
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.49	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8282.D
Acq On : 26 Jun 2014 7:01 pm
Operator : samtap
Sample : ic358-100
Misc : op75816,e6p358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 22:38:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration





TIC: 6p8282.D\data.ms

(105) Atrazine

10.484min (0.000) 100.00ppb

response 438502

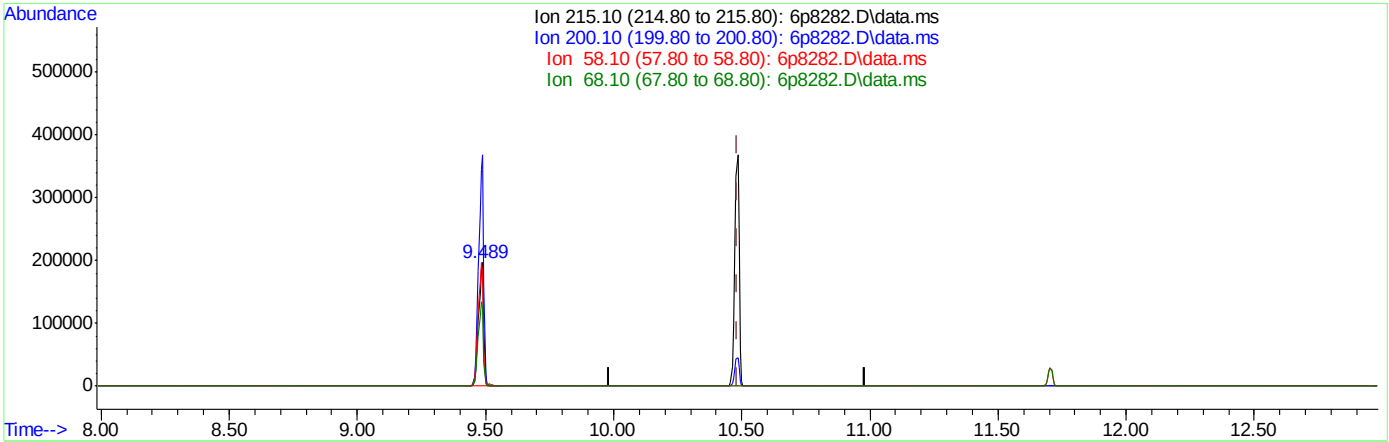
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	12.39#
58.10	117.80	0.00#
68.10	43.80	0.25#

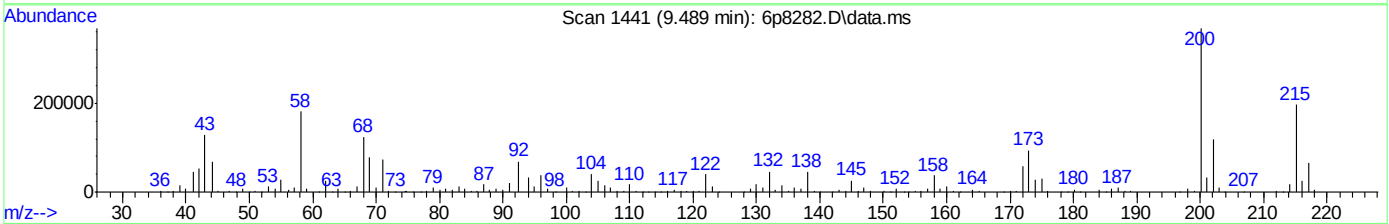
ACCUTEST LABORATORIES JB69123

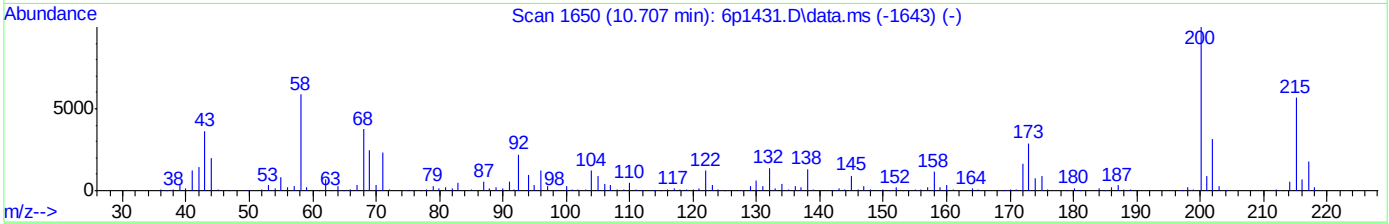
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8282.D
Acq On : 26 Jun 2014 7:01 pm
Operator : samtap
Sample : ic358-100
Misc : op75816,e6p358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 22:38:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration







TIC: 6p8282.D\data.ms

(105) Atrazine

9.489min (-0.995) 61.44ppb m

response 269397

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	187.56
58.10	117.80	92.25
68.10	43.80	63.17

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8283.D
Acq On : 26 Jun 2014 7:30 pm
Operator : samtap
Sample : ic358-1
Misc : op75816,e6p358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 02 08:38:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	238251	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	938125	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	557005	40.00	ppb	-0.01
69) Phenanthrene-d10	9.821	188	931094	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	974731	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	922966	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.531	152	238251	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	931094	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	974731	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	557005	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	938125	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.478	230	16593	1.31	ppb	0.00
Spiked Amount 50.000			Recovery =	2.62%		
109) 1-chlorooctadecane	11.698	57	8554	1.90	ppb	0.00
Spiked Amount 50.000			Recovery =	3.80%		
Target Compounds						Qvalue
103) Benzaldehyde	4.199	105	7650	3.22	ppb	93
105) Atrazine	9.468	215	2246m	0.50	ppb	
108) Benzidine	11.997	184	8564	0.71	ppb	76
111) 1,2,4,5-Tetrachloroben...	6.547	216	8398	1.07	ppb #	30

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

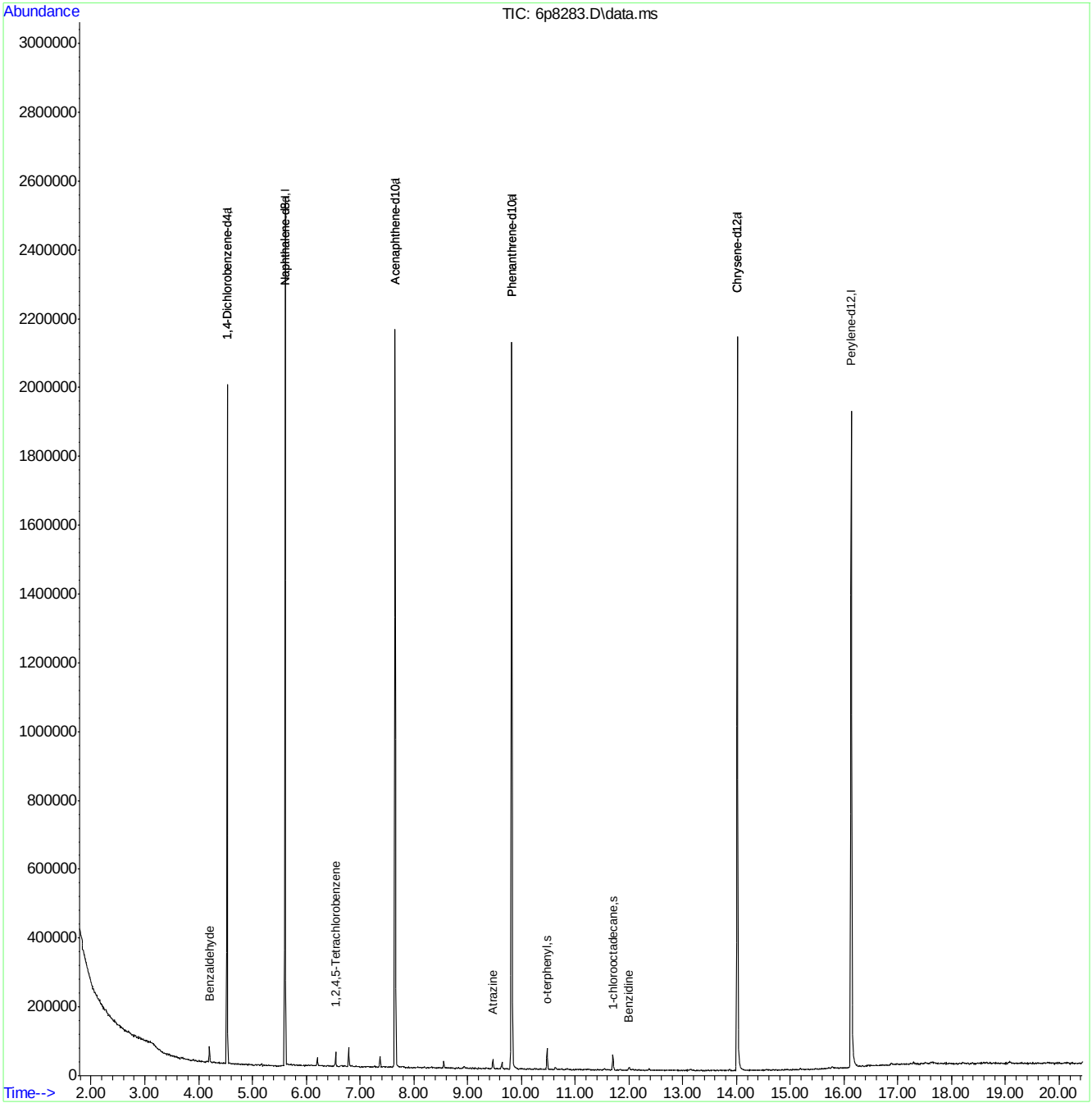
9.6.83

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8283.D
Acq On : 26 Jun 2014 7:30 pm
Operator : samtap
Sample : ic358-1
Misc : op75816,e6p358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 02 08:38:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration



Manual Integration Approval Summary

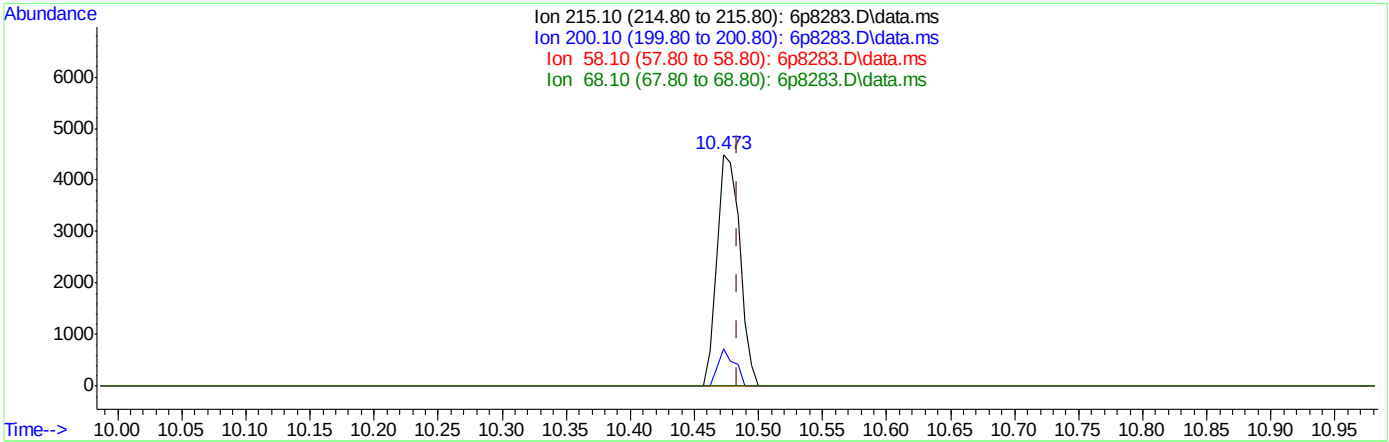
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8283.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 19:30	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

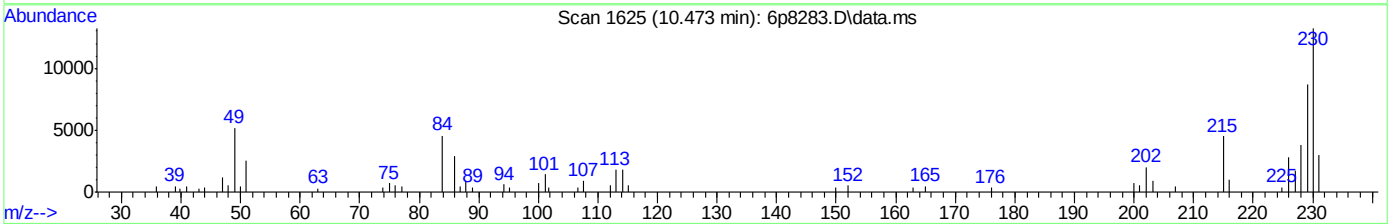
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.47	Poor instrument integration

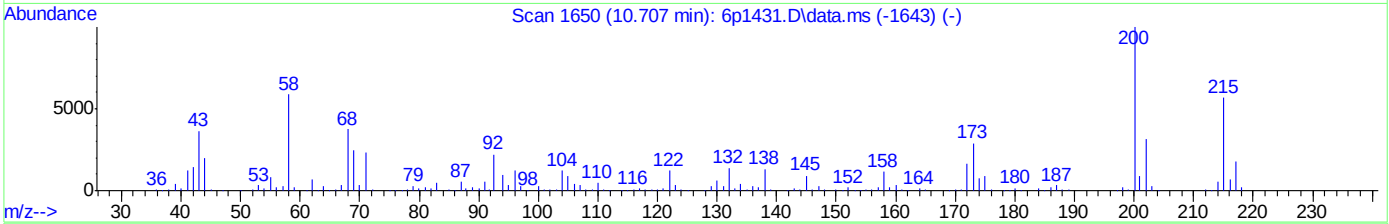
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8283.D
Acq On : 26 Jun 2014 7:30 pm
Operator : samtap
Sample : ic358-1
Misc : op75816,e6p358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 22:39:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration







TIC: 6p8283.D\data.ms

(105) Atrazine

10.473min (-0.011) 1.22ppb

response 5448

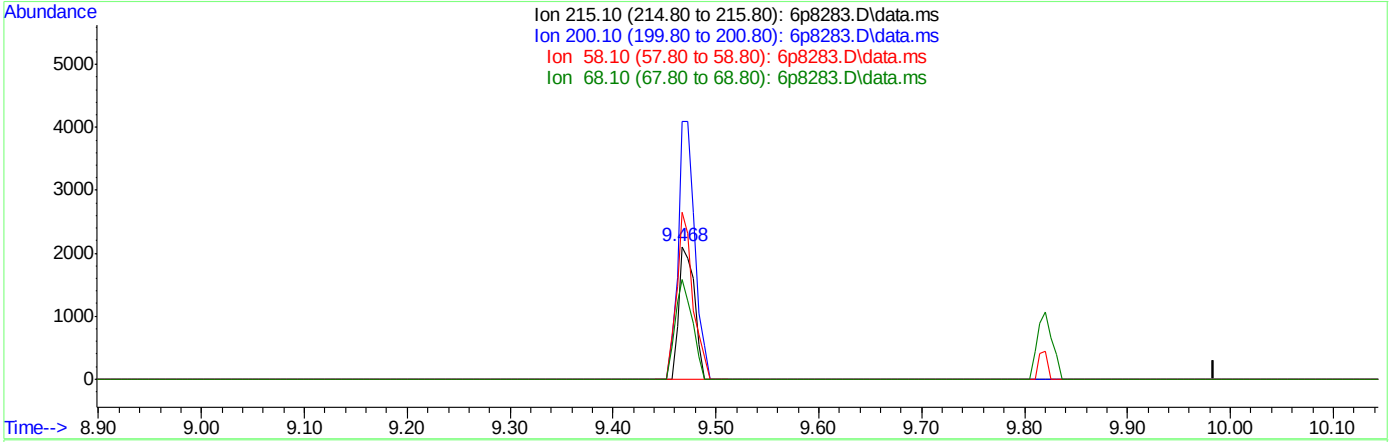
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	15.95#
58.10	117.80	0.00#
68.10	43.80	0.00#

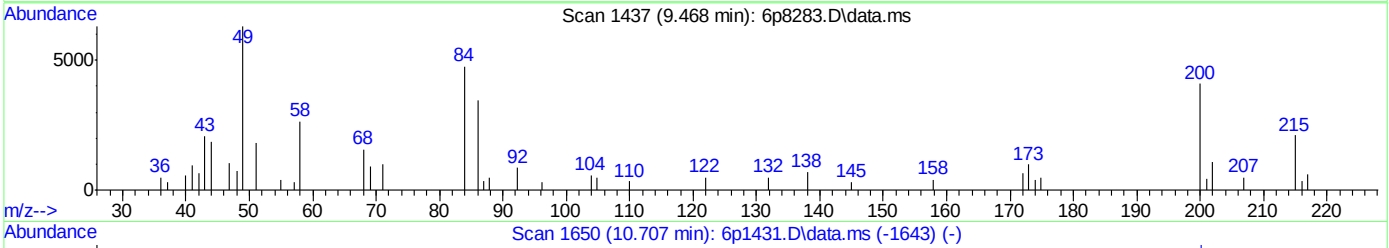
ACCUTEST LABORATORIES JB69123

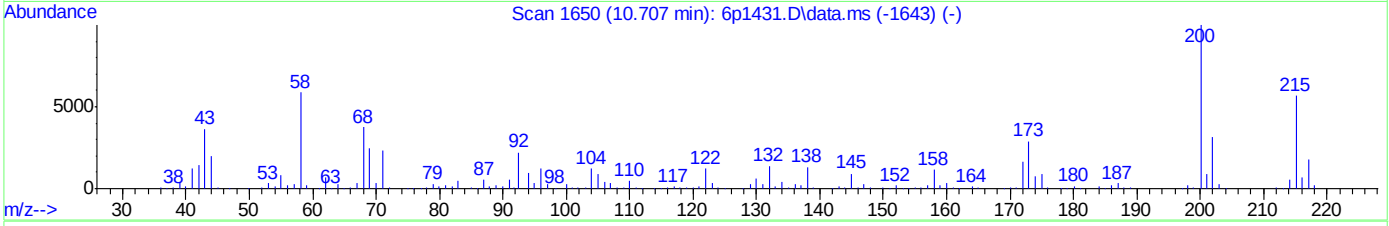
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8283.D
Acq On : 26 Jun 2014 7:30 pm
Operator : samtap
Sample : ic358-1
Misc : op75816,e6p358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 22:39:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu Jun 26 23:22:31 2014
Response via : Initial Calibration







TIC: 6p8283.D\data.ms

(105) Atrazine

9.468min (-1.016) 0.50ppb m

response 2246

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	194.73
58.10	117.80	125.68
68.10	43.80	74.75#

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8284.D
Acq On : 26 Jun 2014 7:58 pm
Operator : samtap
Sample : ic358-80
Misc : op75816,e6p358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 02 08:39:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	227254	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	914283	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	496392	40.00	ppb	0.00
69) Phenanthrene-d10	9.820	188	936474	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	940298	40.00	ppb	-0.02
92) Perylene-d12	16.137	264	900420	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	227254	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	936474	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	940298	40.00	ppb	0.00
110) Acenaphthene-d10a	7.654	164	496392	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	914283	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.484	230	1050642	82.68	ppb	0.00
Spiked Amount 50.000			Recovery =	165.36%		
109) 1-chlorooctadecane	11.703	57	694420	80.88	ppb	0.00
Spiked Amount 50.000			Recovery =	161.76%		
Target Compounds						Qvalue
103) Benzaldehyde	4.194	105	544960	83.66	ppb	93
105) Atrazine	9.483	215	226893m	50.55	ppb	
108) Benzidine	11.997	184	963490	83.15	ppb	78
111) 1,2,4,5-Tetrachloroben...	6.547	216	559142	79.98	ppb #	34
113) Hydroquinone	6.034	110	700916	79.57	ppb	95

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

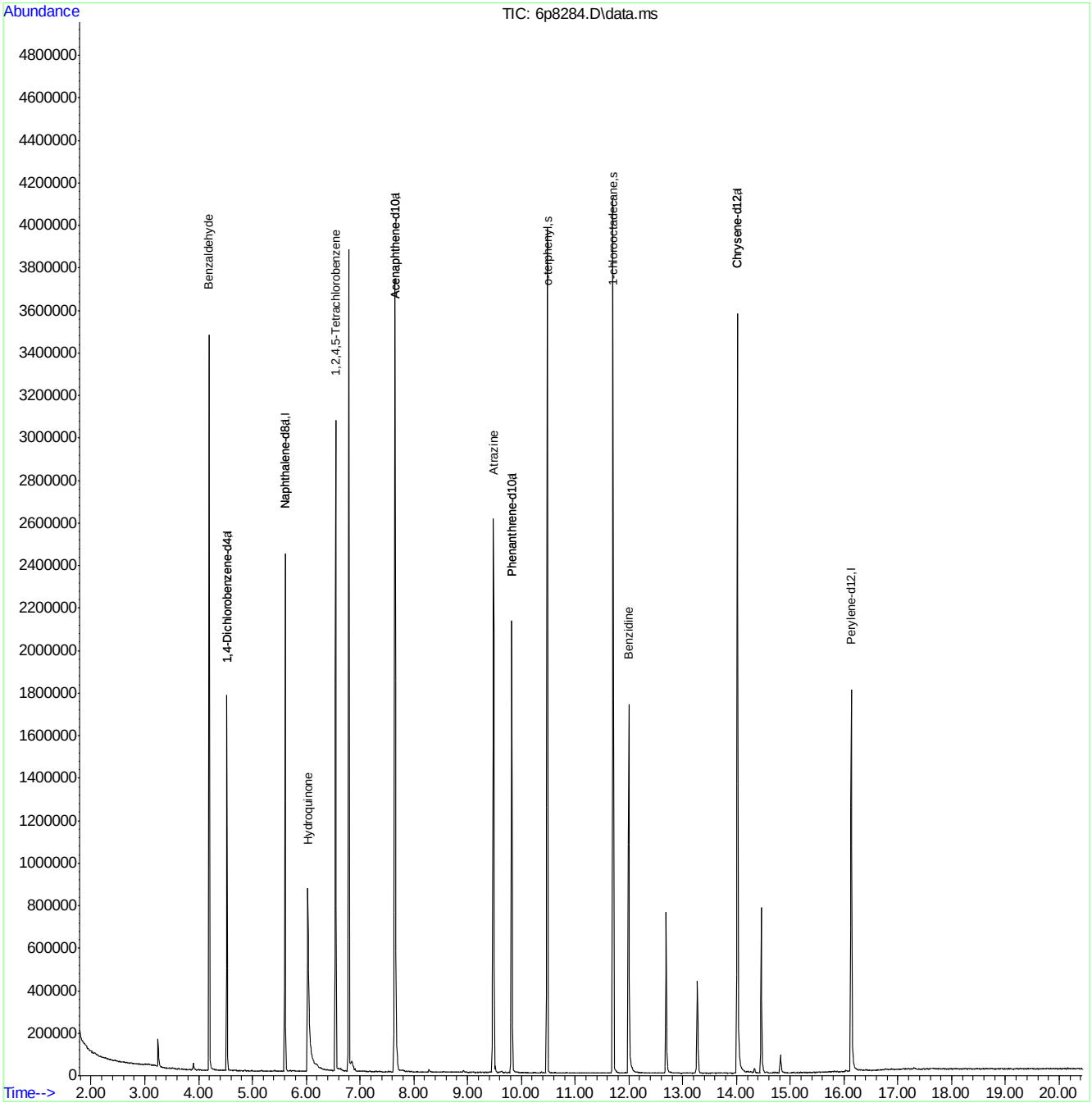
9.6.84

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8284.D
Acq On : 26 Jun 2014 7:58 pm
Operator : samtap
Sample : ic358-80
Misc : op75816,e6p358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 02 08:39:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

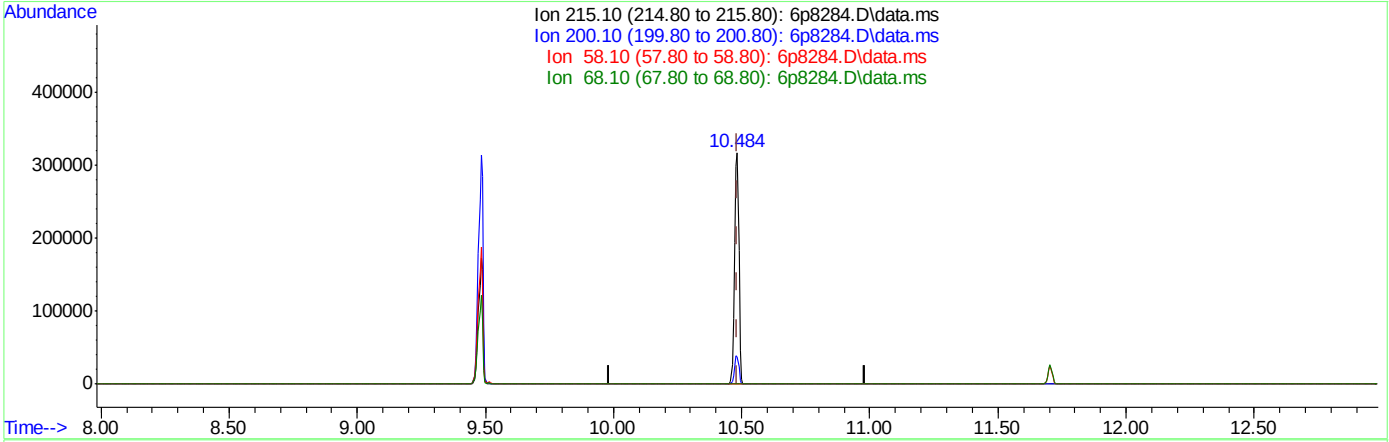
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8284.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 19:58	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

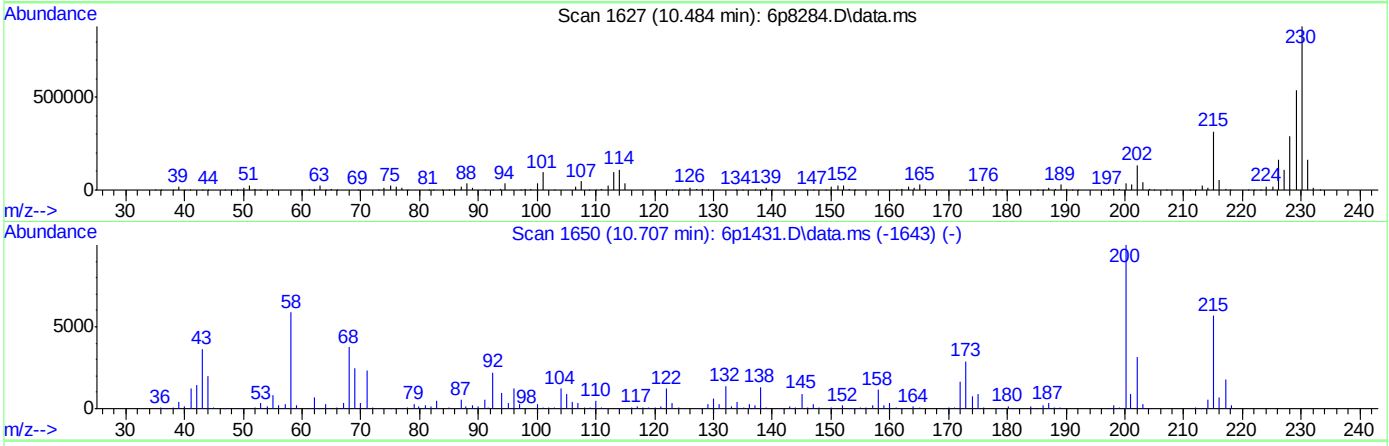
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.48	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8284.D
Acq On : 26 Jun 2014 7:58 pm
Operator : samtap
Sample : ic358-80
Misc : op75816,e6p358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 22:41:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration





TIC: 6p8284.D\data.ms

(105) Atrazine

10.484min (-0.000) 83.49ppb

response 374728

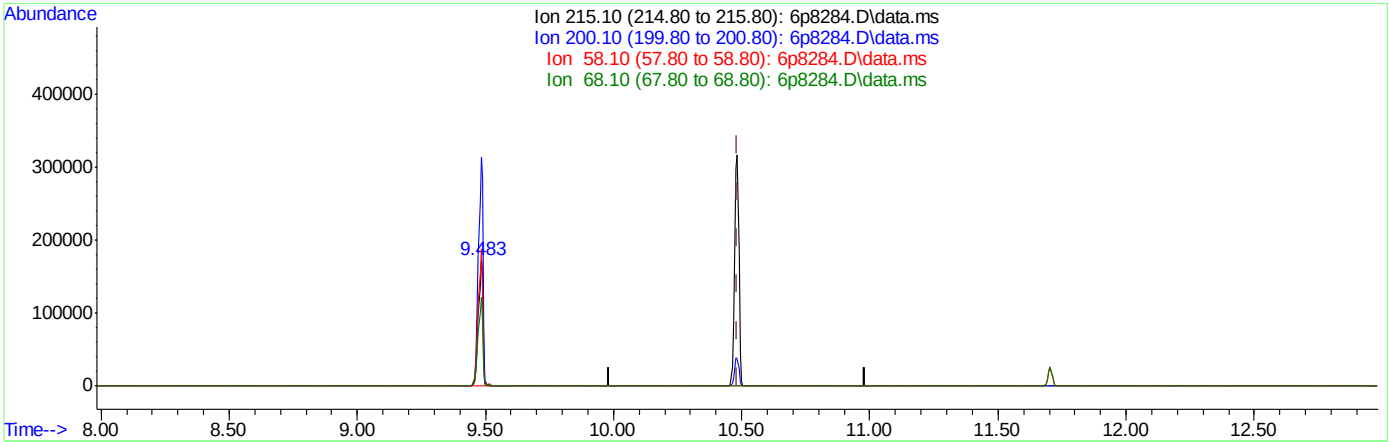
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	12.02#
58.10	117.80	0.00#
68.10	43.80	0.00#

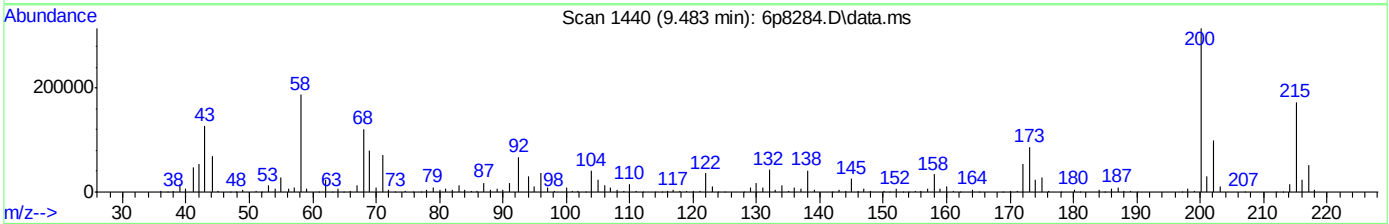
ACCUTEST LABORATORIES JB69123

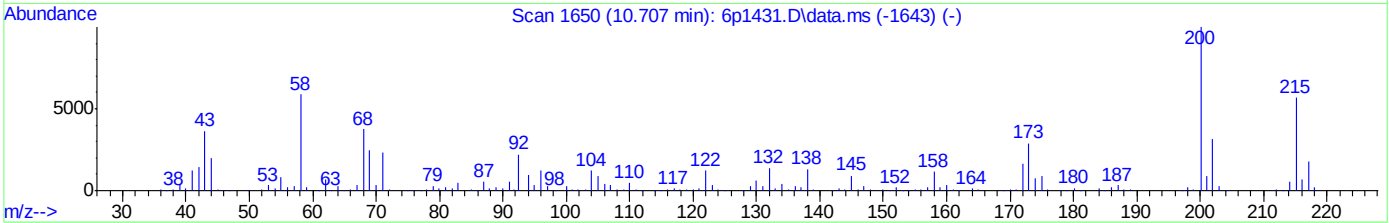
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8284.D
Acq On : 26 Jun 2014 7:58 pm
Operator : samtap
Sample : ic358-80
Misc : op75816,e6p358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 27 22:41:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8284.D\data.ms

(105) Atrazine

9.483min (-1.001) 50.55ppb m

response 226893

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	181.58
58.10	117.80	108.14
68.10	43.80	70.31

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8285.D
Acq On : 26 Jun 2014 8:26 pm
Operator : samtap
Sample : ic358-10
Misc : op75816,e6p358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 02 08:40:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	252706	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	987398	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	578321	40.00	ppb	0.00
69) Phenanthrene-d10	9.821	188	980097	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	1032588	40.00	ppb	-0.02
92) Perylene-d12	16.137	264	982366	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	252706	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	980097	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	1032588	40.00	ppb	0.00
110) Acenaphthene-d10a	7.654	164	578321	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	987398	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.479	230	172177	12.95	ppb	0.00
Spiked Amount 50.000			Recovery =	25.90%		
109) 1-chlorooctadecane	11.698	57	105717	11.21	ppb	0.00
Spiked Amount 50.000			Recovery =	22.42%		
Target Compounds						Qvalue
103) Benzaldehyde	4.199	105	89204	12.32	ppb	96
105) Atrazine	9.468	215	33061m	7.04	ppb	
108) Benzidine	11.987	184	191647	15.06	ppb	78
111) 1,2,4,5-Tetrachloroben...	6.547	216	91215	11.20	ppb #	33
113) Hydroquinone	6.055	110	66168	6.96	ppb	96

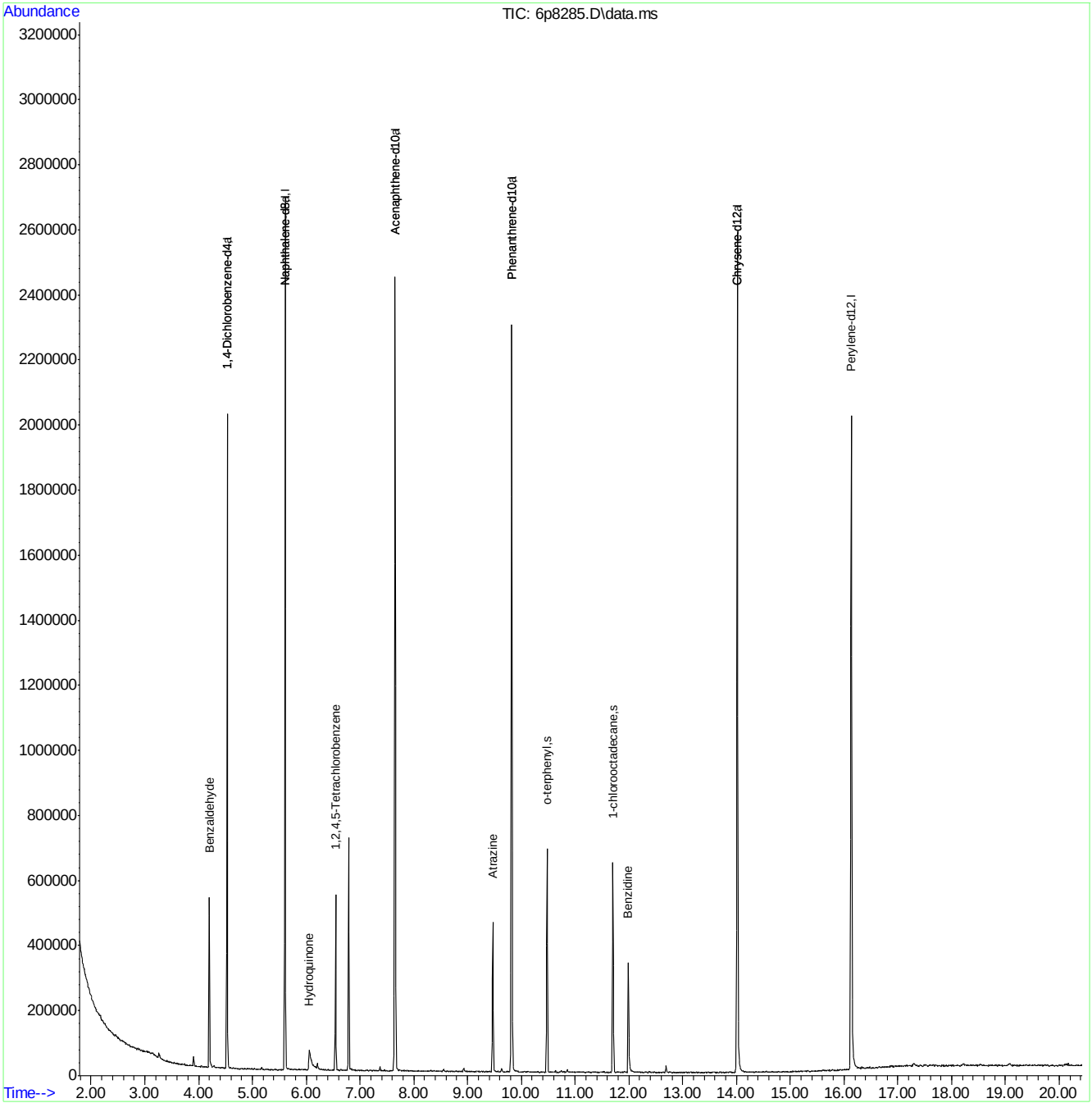
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.85
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8285.D
Acq On : 26 Jun 2014 8:26 pm
Operator : samtap
Sample : ic358-10
Misc : op75816,e6p358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 02 08:40:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



Manual Integration Approval Summary

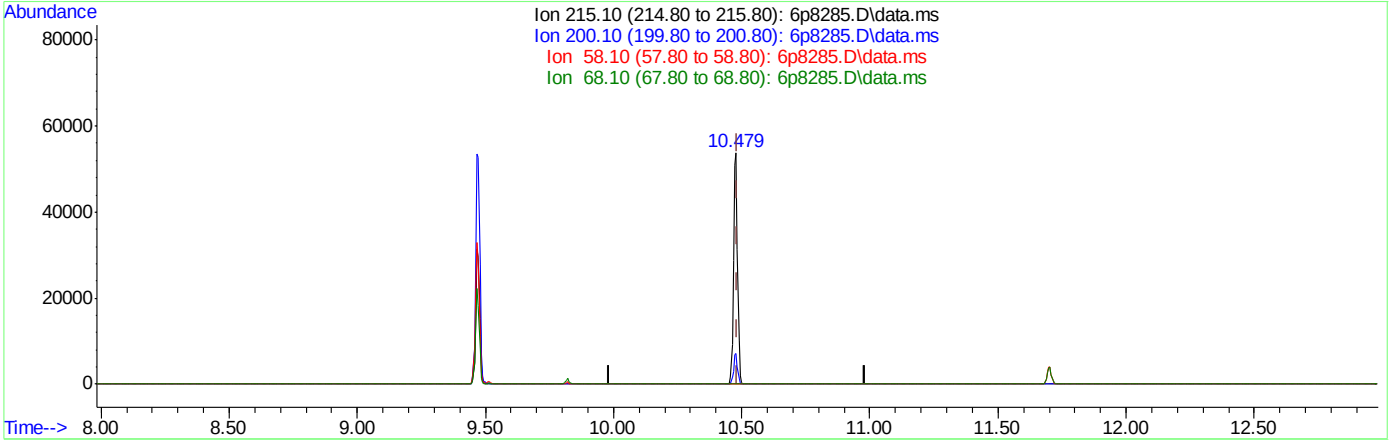
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8285.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 20:26	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

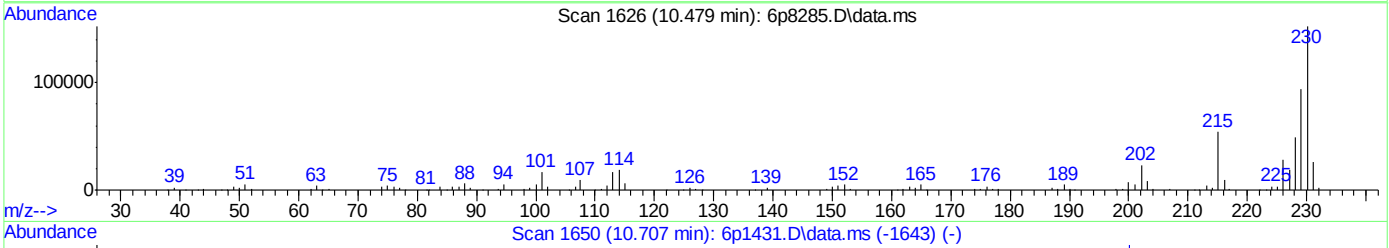
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.47	Poor instrument integration

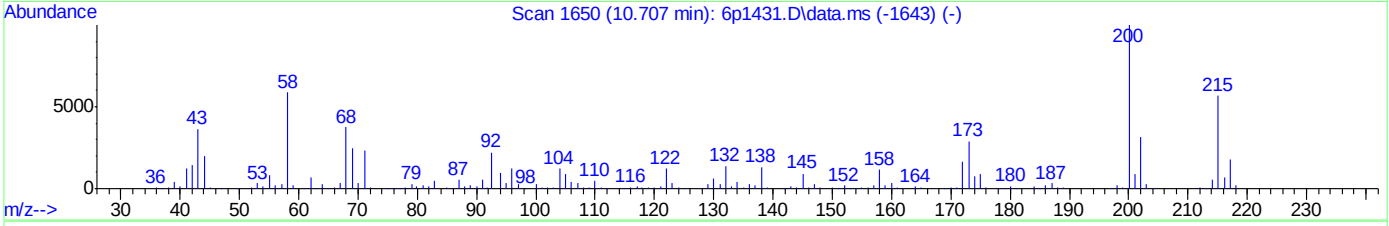
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8285.D
Acq On : 26 Jun 2014 8:26 pm
Operator : samtap
Sample : ic358-10
Misc : op75816,e6p358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 22:41:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8285.D\data.ms

(105) Atrazine

10.479min (-0.005) 12.87ppb

response 60454

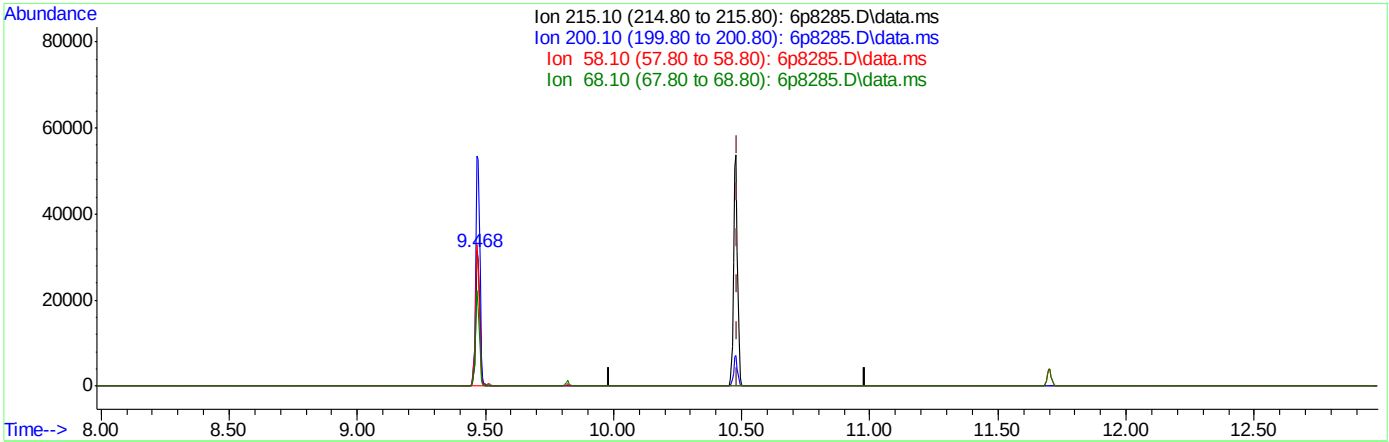
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	13.10#
58.10	117.80	0.00#
68.10	43.80	0.00#

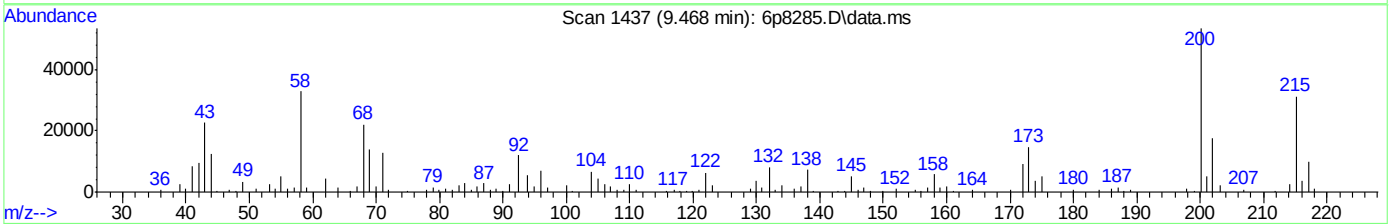
ACCUTEST LABORATORIES JB69123

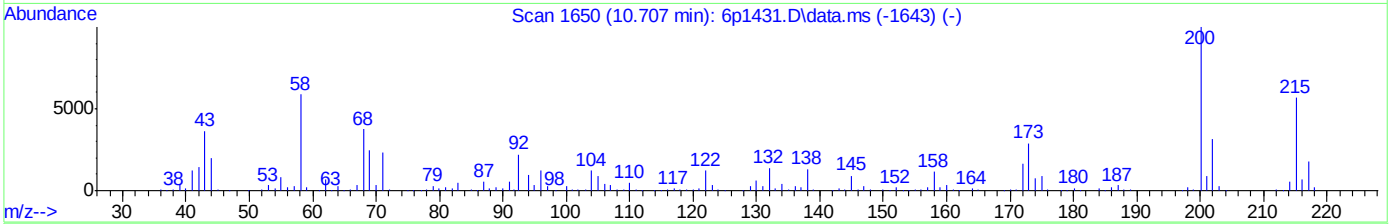
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8285.D
Acq On : 26 Jun 2014 8:26 pm
Operator : samtap
Sample : ic358-10
Misc : op75816,e6p358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 27 22:41:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8285.D\data.ms

(105) Atrazine

9.468min (-1.016) 7.04ppb m

response 33061

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	170.77
58.10	117.80	105.14
68.10	43.80	70.72

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8286.D
Acq On : 26 Jun 2014 8:54 pm
Operator : samtap
Sample : icc358-50
Misc : op75816,e6p358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 02 08:40:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	196791	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	779492	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	440204	40.00	ppb	0.00
69) Phenanthrene-d10	9.820	188	783943	40.00	ppb	-0.01
83) Chrysene-d12	14.019	240	808109	40.00	ppb	-0.01
92) Perylene-d12	16.137	264	762340	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	196791	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	783943	40.00	ppb	0.00
107) Chrysene-d12a	14.019	240	808109	40.00	ppb	0.00
110) Acenaphthene-d10a	7.654	164	440204	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	779492	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.478	230	569116	53.50	ppb	0.00
Spiked Amount 50.000			Recovery =	107.00%		
109) 1-chlorooctadecane	11.703	57	372670	50.51	ppb	0.00
Spiked Amount 50.000			Recovery =	101.02%		
Target Compounds						Qvalue
103) Benzaldehyde	4.199	105	299207	53.04	ppb	96
105) Atrazine	9.478	215	115916m	30.85	ppb	
108) Benzidine	11.997	184	673518	67.63	ppb	78
111) 1,2,4,5-Tetrachloroben...	6.547	216	300115	48.41	ppb #	34
113) Hydroquinone	6.039	110	312658	41.63	ppb	94

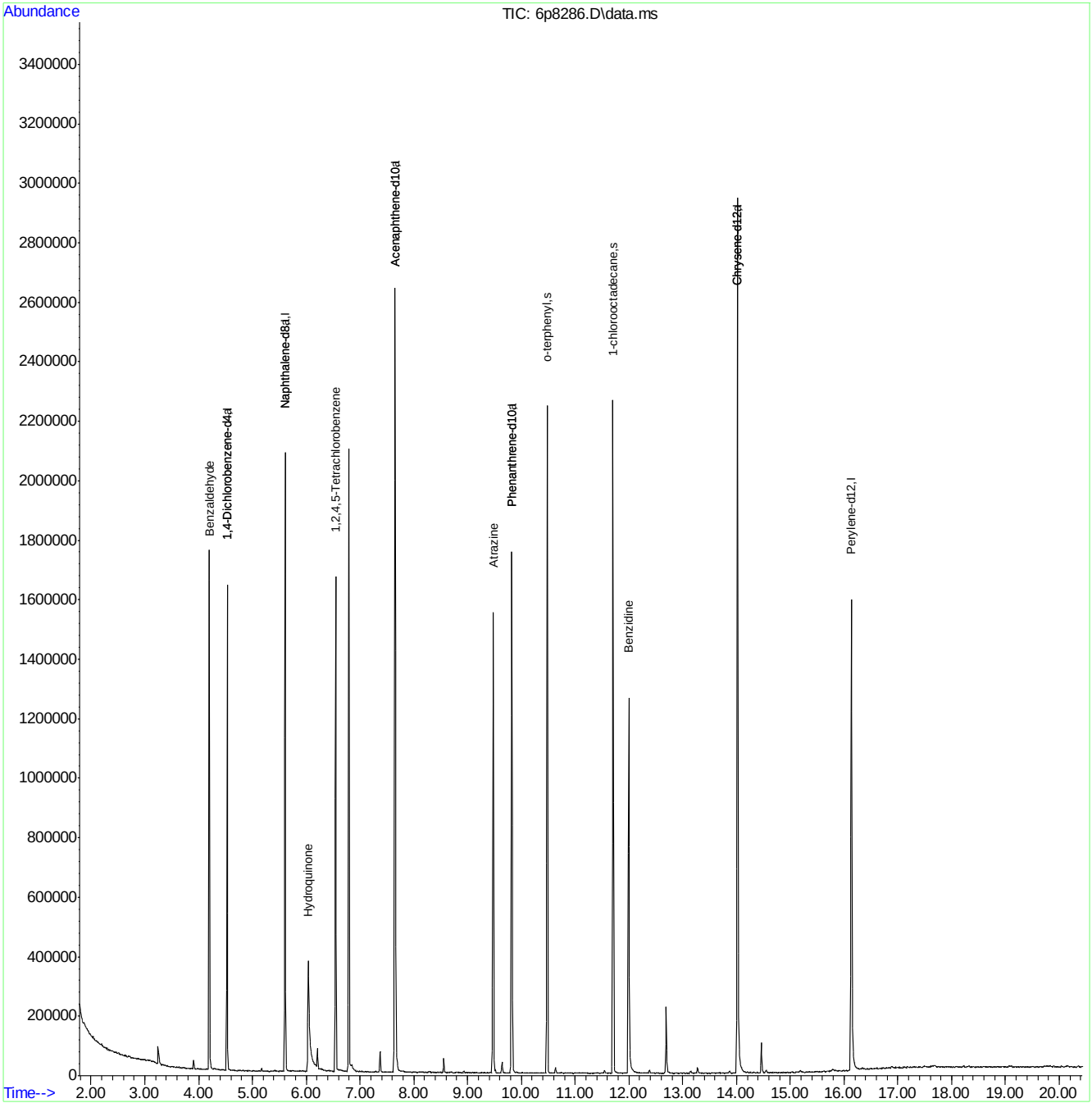
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.9.6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8286.D
Acq On : 26 Jun 2014 8:54 pm
Operator : samtap
Sample : icc358-50
Misc : op75816,e6p358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 02 08:40:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



Manual Integration Approval Summary

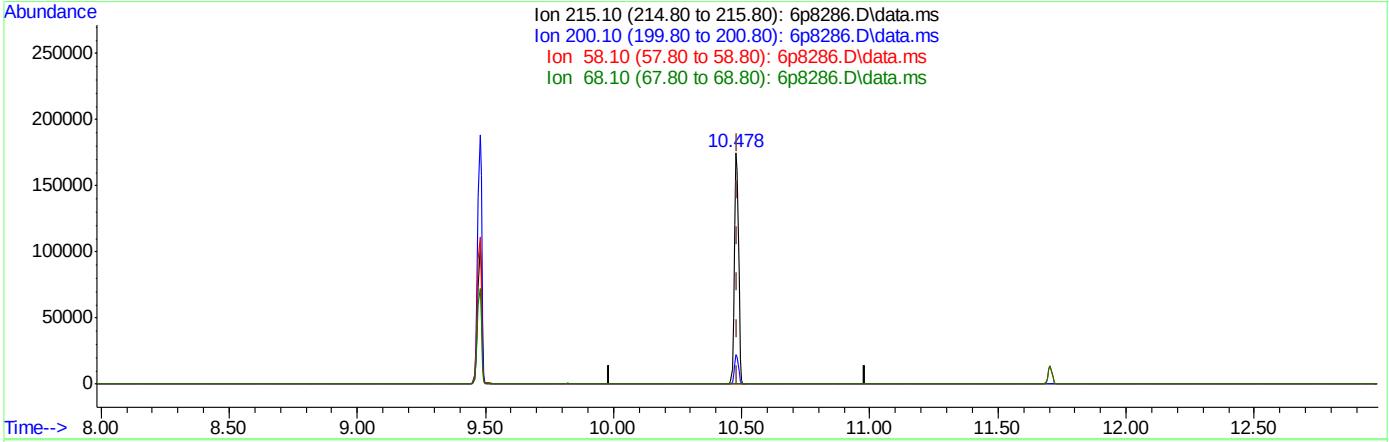
Sample Number:	E6P358-ICC358	**Method:**	SW846 8270D
Lab FileID:	6P8286.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 20:54	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

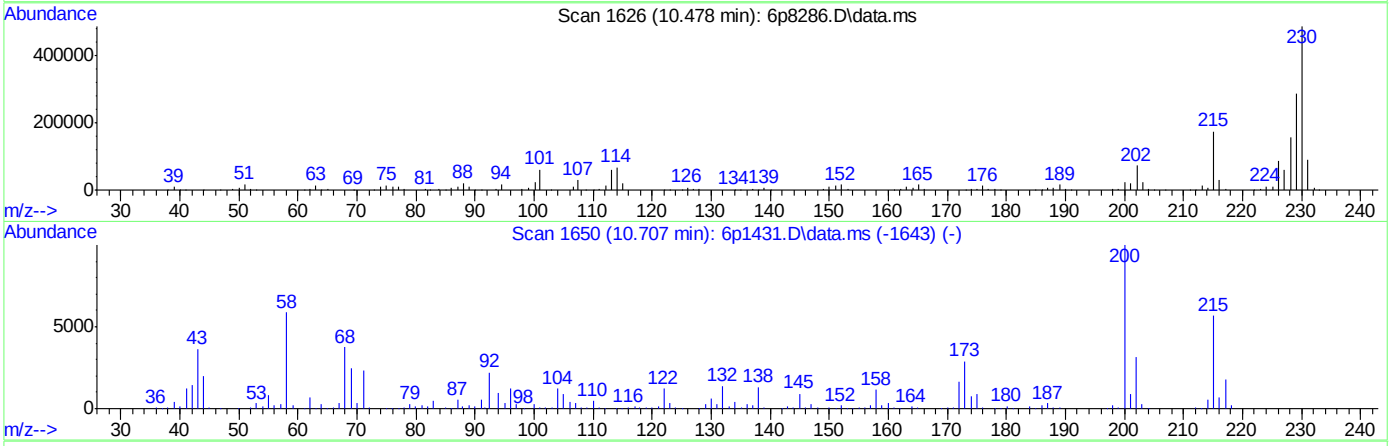
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.48	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8286.D
Acq On : 26 Jun 2014 8:54 pm
Operator : samtap
Sample : icc358-50
Misc : op75816,e6p358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 22:41:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration





TIC: 6p8286.D\data.ms

(105) Atrazine

10.478min (-0.006) 53.51ppb

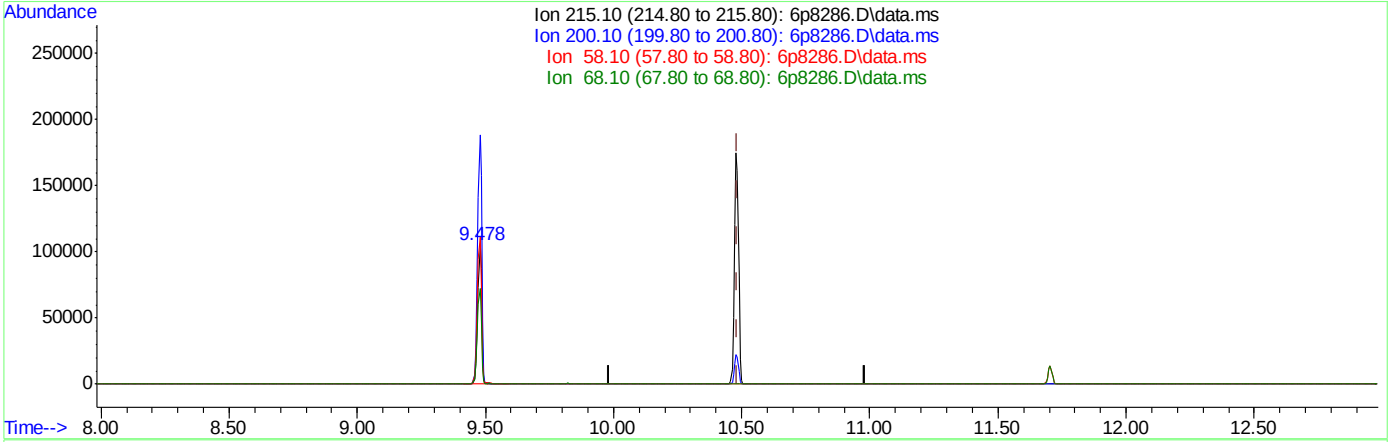
response 201037

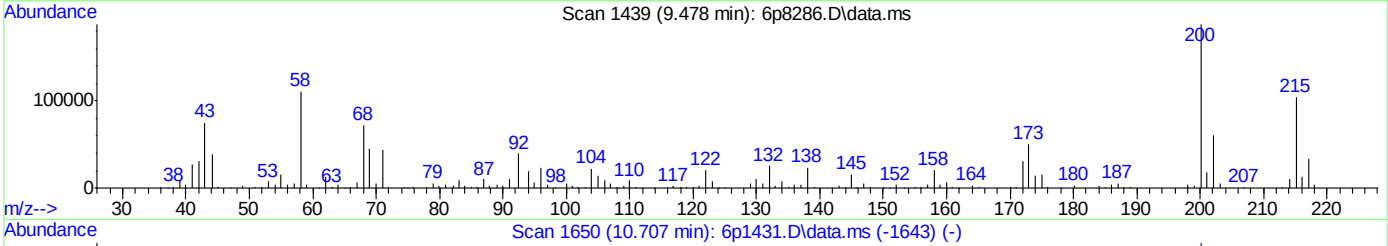
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	13.01#
58.10	117.80	0.00#
68.10	43.80	0.00#

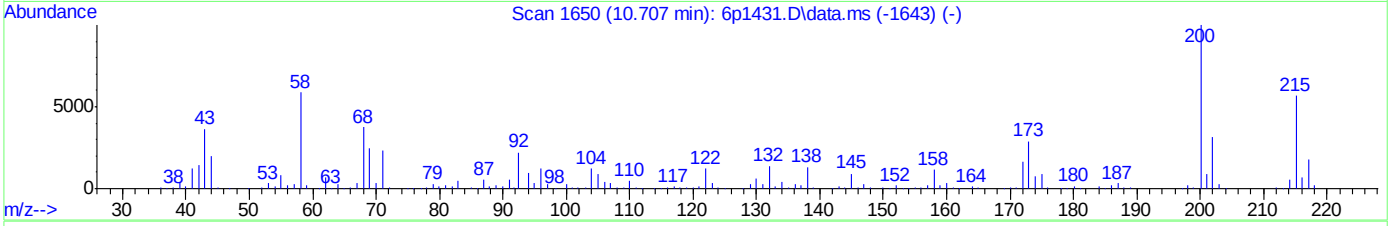
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8286.D
Acq On : 26 Jun 2014 8:54 pm
Operator : samtap
Sample : icc358-50
Misc : op75816,e6p358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 27 22:41:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8286.D\data.ms

(105) Atrazine

9.478min (-1.006) 30.85ppb m

response 115916

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	179.45
58.10	117.80	106.24
68.10	43.80	68.87

9.6.863

6

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8287.D
Acq On : 26 Jun 2014 9:23 pm
Operator : samtap
Sample : ic358-5
Misc : op75816,e6p358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 02 08:41:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.531	152	231590	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	920430	40.00	ppb	0.00
47) Acenaphthene-d10	7.654	164	547183	40.00	ppb	0.00
69) Phenanthrene-d10	9.821	188	929330	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	977640	40.00	ppb	-0.02
92) Perylene-d12	16.137	264	909773	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.531	152	231590	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	929330	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	977640	40.00	ppb	0.00
110) Acenaphthene-d10a	7.654	164	547183	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	920430	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.479	230	73614	5.84	ppb	0.00
Spiked Amount 50.000			Recovery =	11.68%		
109) 1-chlorooctadecane	11.698	57	43502	4.87	ppb	0.00
Spiked Amount 50.000			Recovery =	9.74%		
Target Compounds						Qvalue
103) Benzaldehyde	4.199	105	38626	5.82	ppb	96
105) Atrazine	9.468	215	12694m	2.85	ppb	
108) Benzidine	11.992	184	65879	5.47	ppb	78
111) 1,2,4,5-Tetrachloroben...	6.547	216	37009	4.80	ppb #	33

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

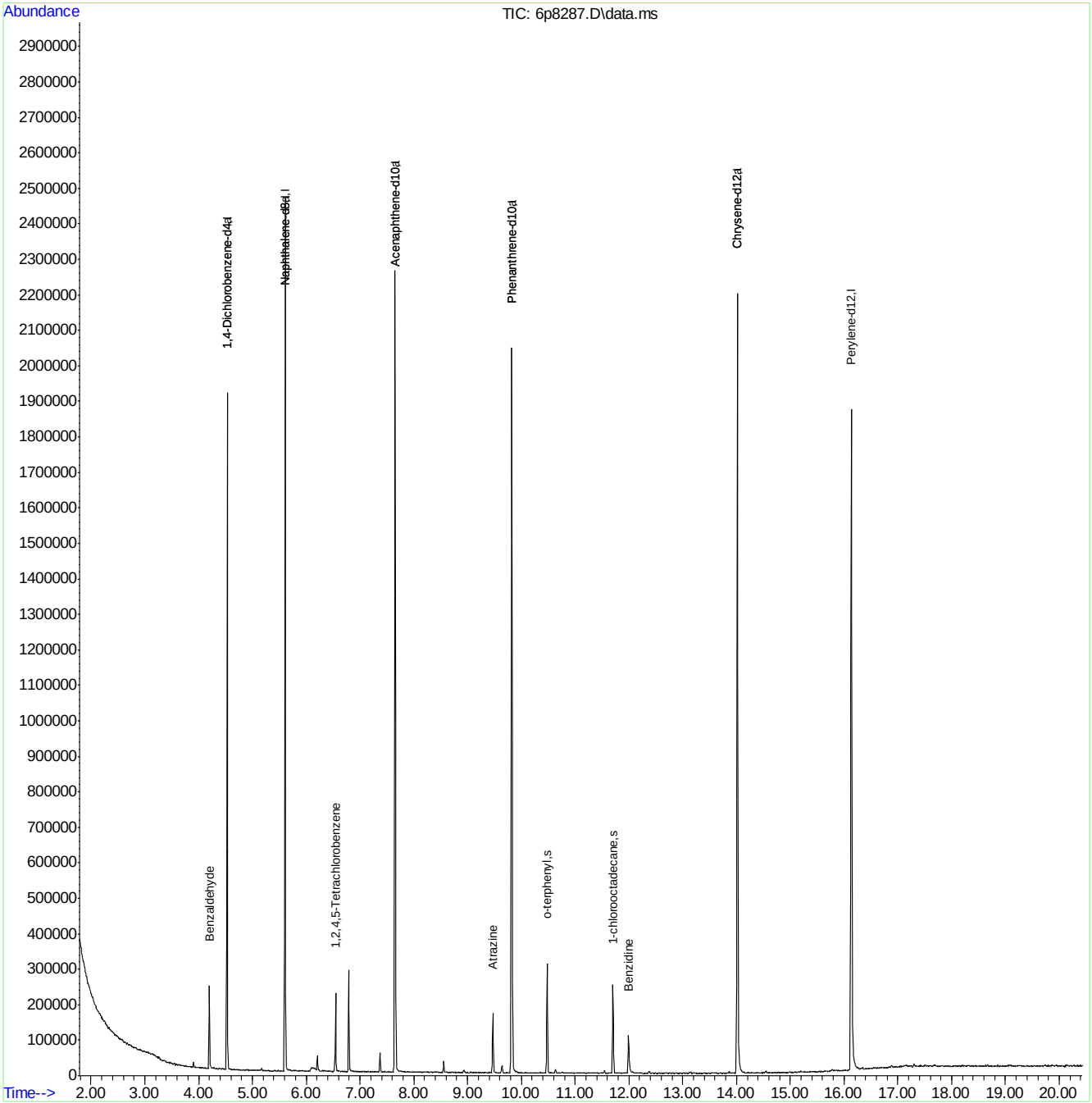
9.6.87

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8287.D
Acq On : 26 Jun 2014 9:23 pm
Operator : samtap
Sample : ic358-5
Misc : op75816,e6p358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 02 08:41:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



Manual Integration Approval Summary

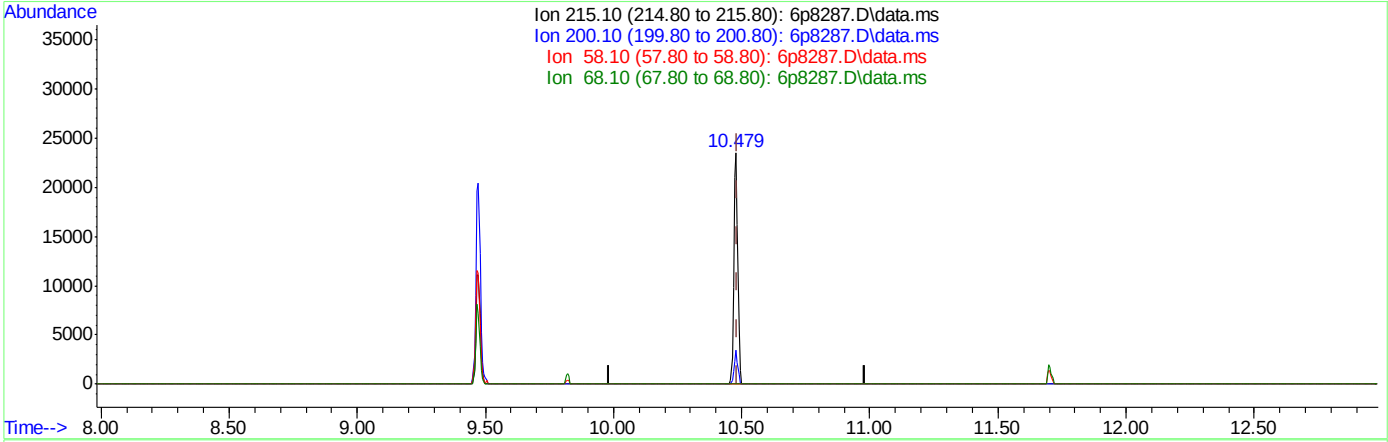
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8287.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 21:23	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

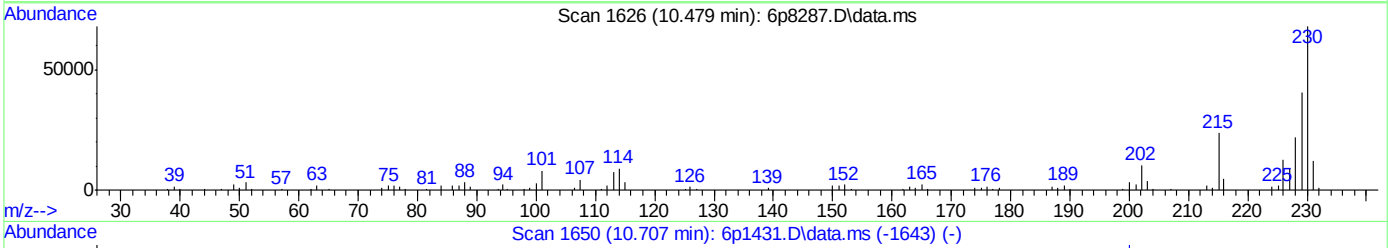
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.47	Poor instrument integration

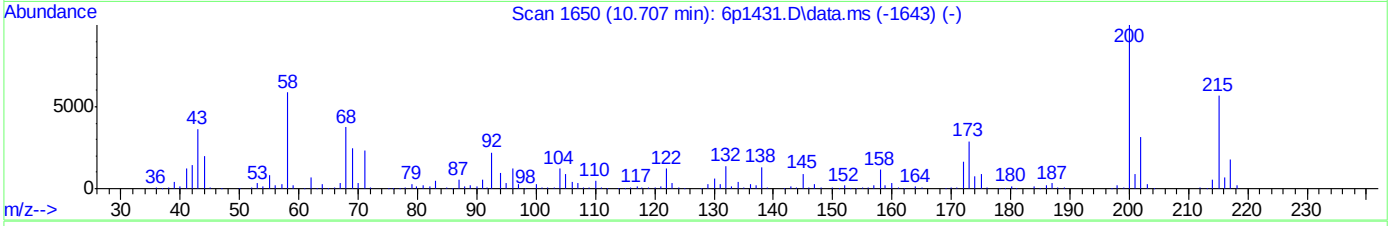
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8287.D
Acq On : 26 Jun 2014 9:23 pm
Operator : samtap
Sample : ic358-5
Misc : op75816,e6p358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 27 22:42:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8287.D\data.ms

(105) Atrazine

10.479min (-0.005) 5.80ppb

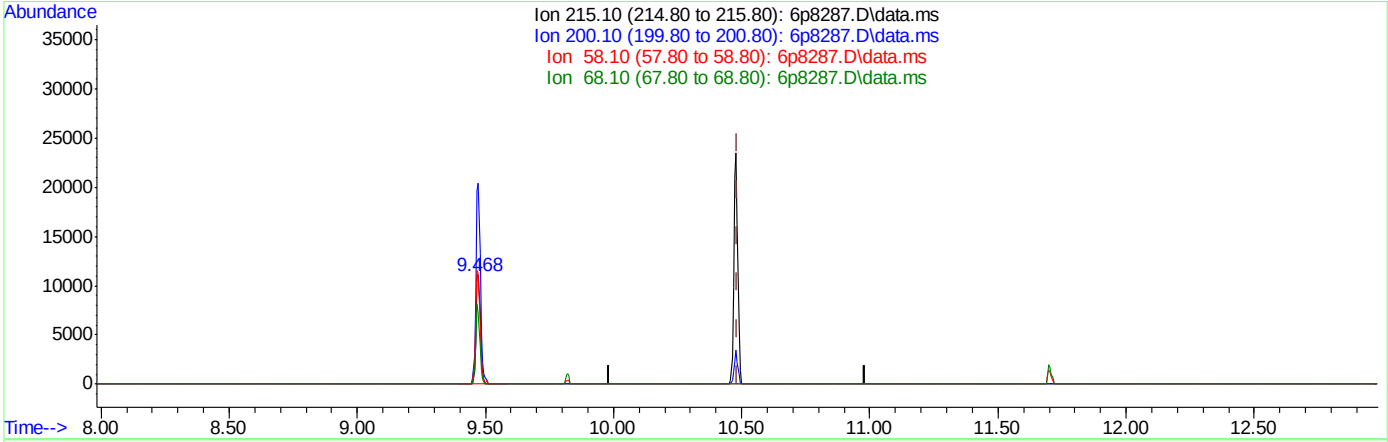
response 25844

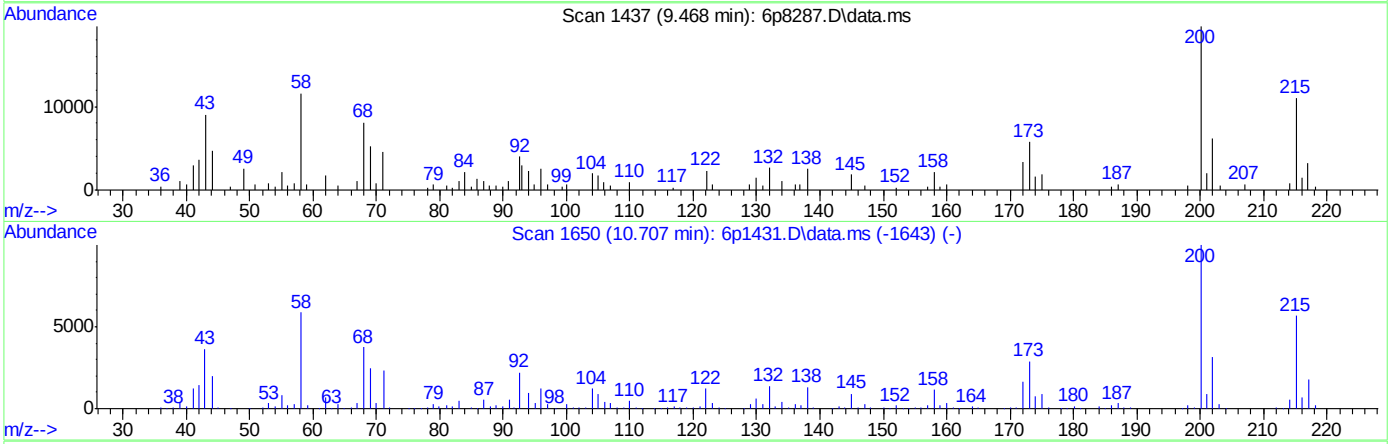
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	14.62#
58.10	117.80	0.00#
68.10	43.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8287.D
Acq On : 26 Jun 2014 9:23 pm
Operator : samtap
Sample : ic358-5
Misc : op75816,e6p358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 27 22:42:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration





TIC: 6p8287.D\data.ms

(105) Atrazine

9.468min (-1.016) 2.85ppb m

response 12694

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	177.21
58.10	117.80	104.40
68.10	43.80	73.15

ACCUTEST LABORATORIES JB69123

6P8288.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8288.D
Acq On : 26 Jun 2014 9:51 pm
Operator : samtap
Sample : ic358-2
Misc : op75816,e6p358
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 02 08:42:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	241593	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	970048	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	585024	40.00	ppb	-0.01
69) Phenanthrene-d10	9.821	188	986144	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	1046211	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	971806	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	241593	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	986144	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	1046211	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	585024	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	970048	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.473	230	37160	2.78	ppb	-0.01
Spiked Amount 50.000			Recovery =	5.56%		
109) 1-chlorooctadecane	11.698	57	19166	2.01	ppb	0.00
Spiked Amount 50.000			Recovery =	4.02%		
Target Compounds						Qvalue
103) Benzaldehyde	4.199	105	17061	2.46	ppb	98
105) Atrazine	9.468	215	6154m	1.30	ppb	
108) Benzidine	11.992	184	24864	1.93	ppb	79
111) 1,2,4,5-Tetrachloroben...	6.547	216	18015	2.19	ppb #	30

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

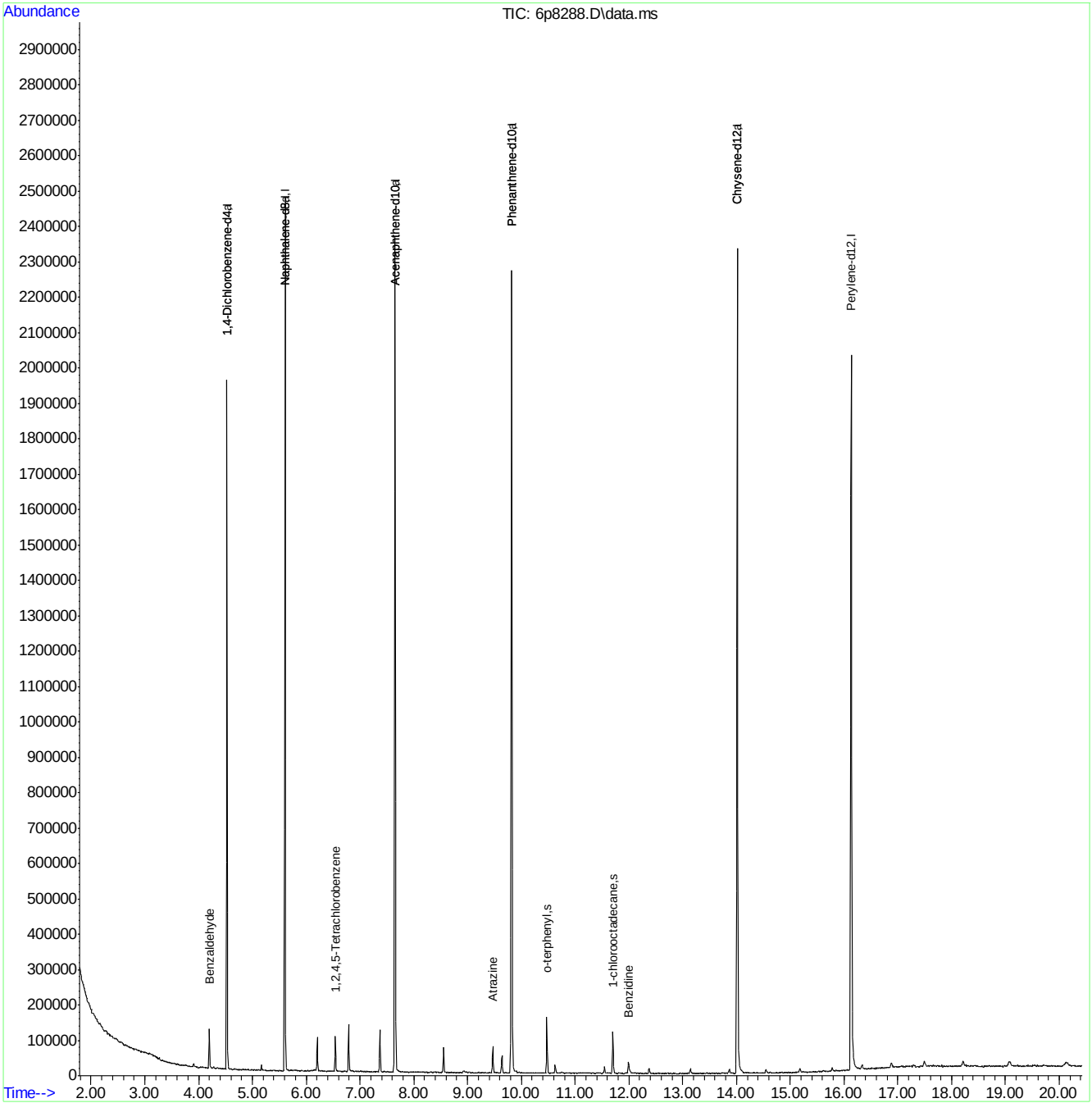
9.6.88

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8288.D
Acq On : 26 Jun 2014 9:51 pm
Operator : samtap
Sample : ic358-2
Misc : op75816,e6p358
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 02 08:42:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



Manual Integration Approval Summary

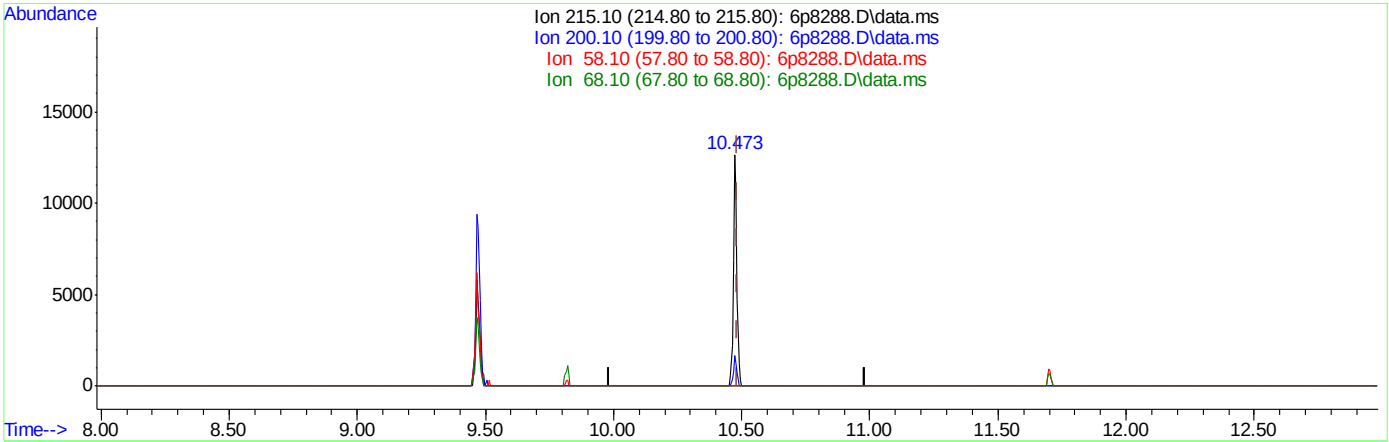
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8288.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 21:51	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

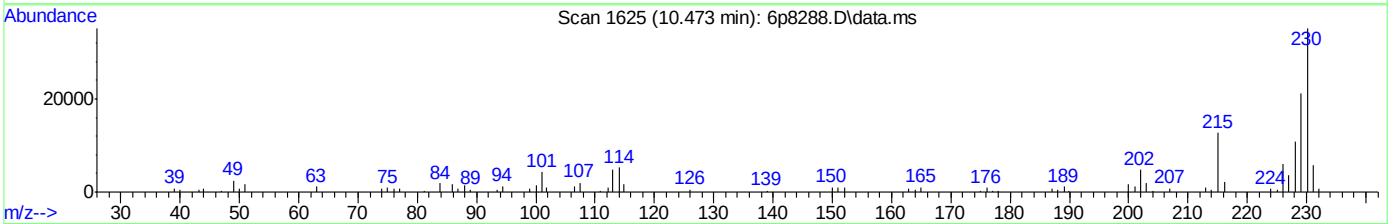
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.47	Poor instrument integration

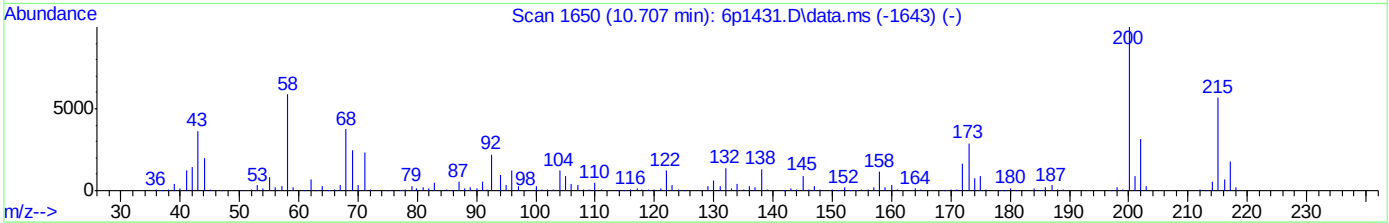
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8288.D
Acq On : 26 Jun 2014 9:51 pm
Operator : samtap
Sample : ic358-2
Misc : op75816,e6p358
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 27 22:42:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8288.D\data.ms

(105) Atrazine

10.473min (-0.011) 2.66ppb

response 12555

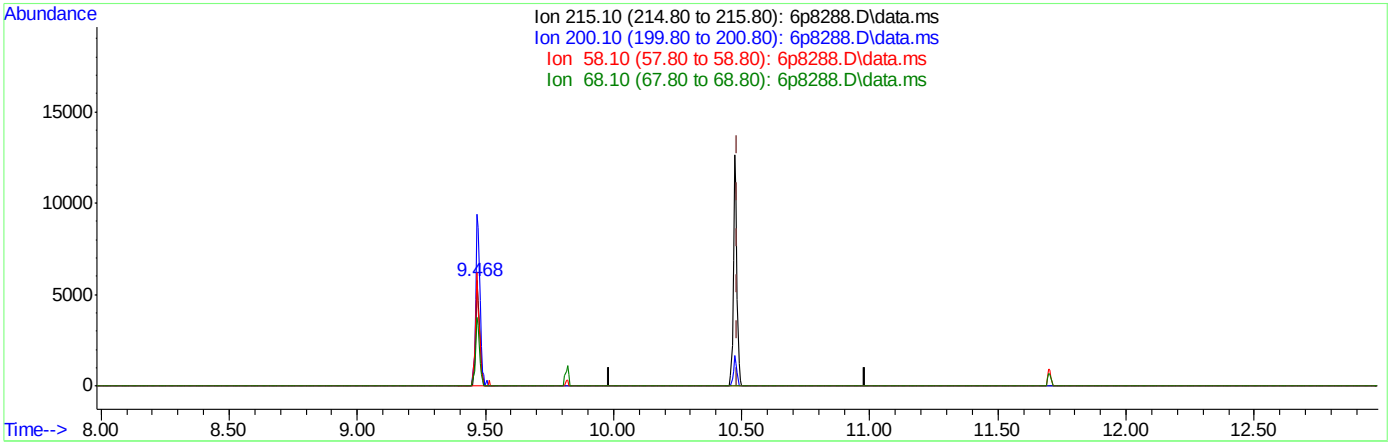
Ion	Exp%	Act%
215.10	100	100
200.10	171.10	13.17#
58.10	117.80	0.00#
68.10	43.80	0.00#

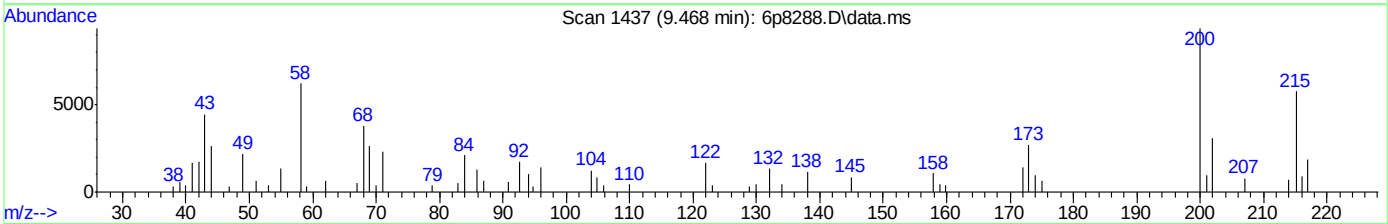
ACCUTEST LABORATORIES JB69123

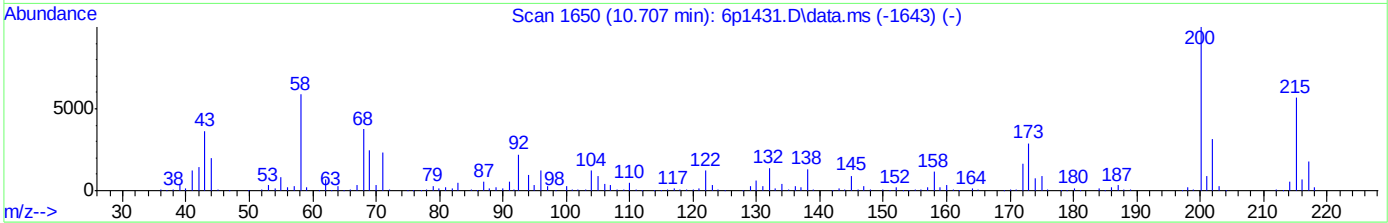
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8288.D
Acq On : 26 Jun 2014 9:51 pm
Operator : samtap
Sample : ic358-2
Misc : op75816,e6p358
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 27 22:42:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8288.D\data.ms

(105) Atrazine

9.468min (-1.016) 1.30ppb m

response 6154

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	162.36
58.10	117.80	107.76
68.10	43.80	65.58

9.883

9

ACCUTEST LABORATORIES JB69123

6P8288.D edits: Atrazine

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 15:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8289.D
Acq On : 26 Jun 2014 10:19 pm
Operator : samtap
Sample : ic358-25
Misc : op75816,e6p358
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 02 08:43:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	269291	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	1051192	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	619731	40.00	ppb	-0.01
69) Phenanthrene-d10	9.821	188	1047404	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	1075633	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	1010402	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	269291	40.00	ppb	0.00
104) Phenanthrene-d10a	9.821	188	1047404	40.00	ppb	0.00
107) Chrysene-d12a	14.014	240	1075633	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	619731	40.00	ppb	0.00
112) Naphthalene-d8a	5.600	136	1051192	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	10.473	230	398969	28.07	ppb	-0.01
Spiked Amount 50.000			Recovery =	56.14%		
109) 1-chlorooctadecane	11.698	57	253871	25.85	ppb	0.00
Spiked Amount 50.000			Recovery =	51.70%		
Target Compounds						Qvalue
103) Benzaldehyde	4.194	105	211775	27.44	ppb	96
105) Atrazine	9.473	215	80567m	16.05	ppb	
108) Benzidine	11.987	184	499395	37.68	ppb	79
111) 1,2,4,5-Tetrachloroben...	6.547	216	211465	24.23	ppb #	35
113) Hydroquinone	6.039	110	201766	19.92	ppb	97

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

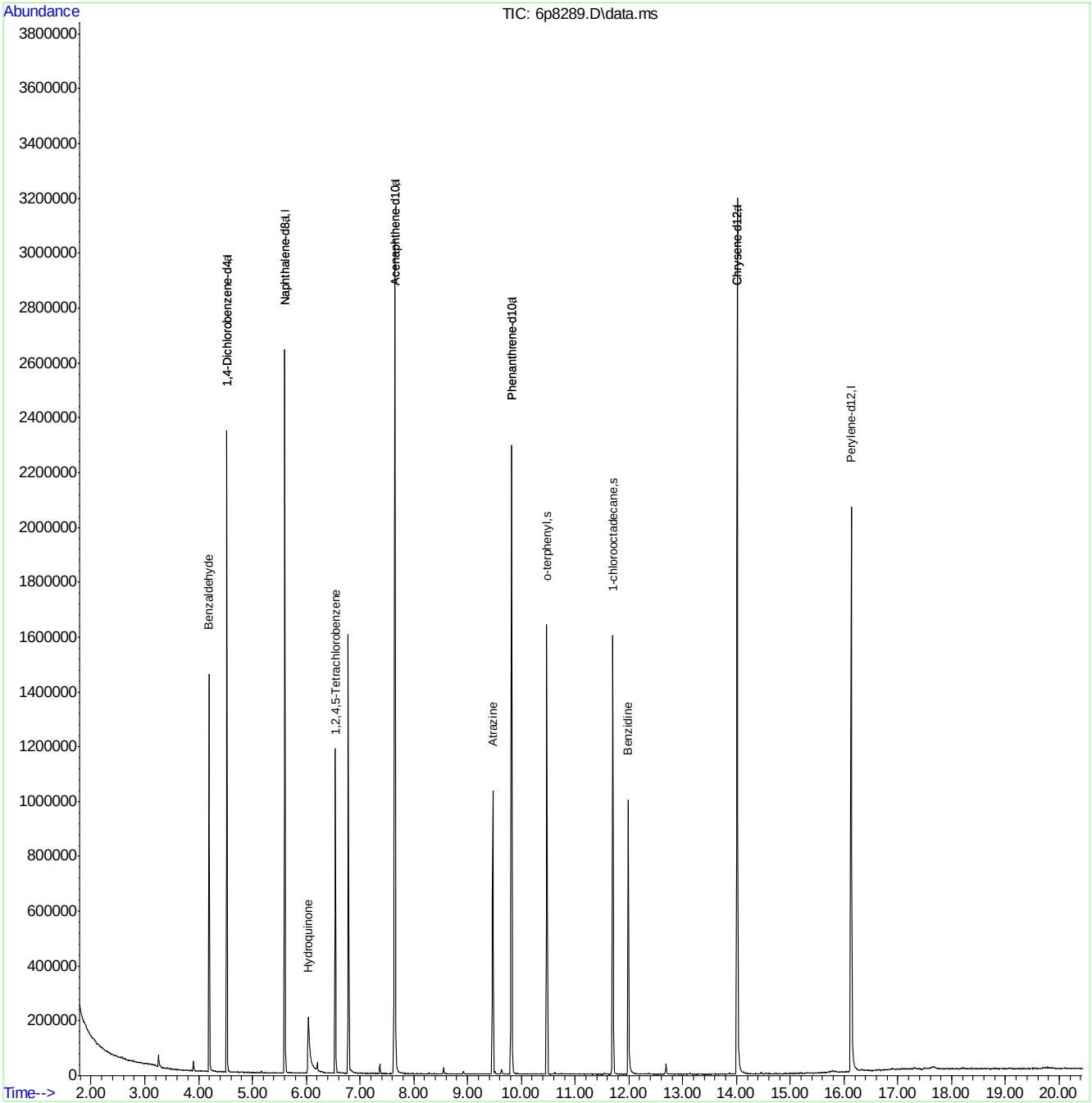
9.6.89

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8289.D
Acq On : 26 Jun 2014 10:19 pm
Operator : samtap
Sample : ic358-25
Misc : op75816,e6p358
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 02 08:43:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration



Manual Integration Approval Summary

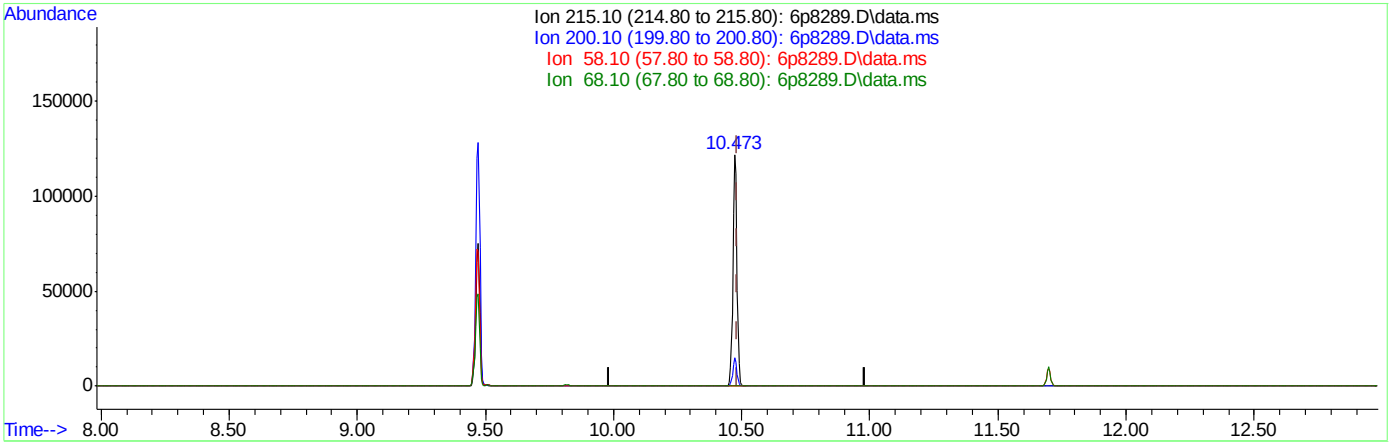
Sample Number:	E6P358-IC358	**Method:**	SW846 8270D
Lab FileID:	6P8289.D	**Analyst approved:**	07/02/14 13:09 Samta Patel
Injection Time:	06/26/14 22:19	**Supervisor approved:**	07/02/14 15:01 Nina Pandya

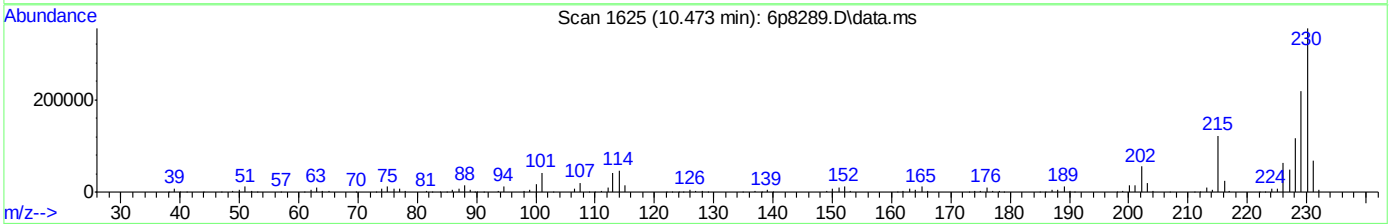
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		9.47	Poor instrument integration

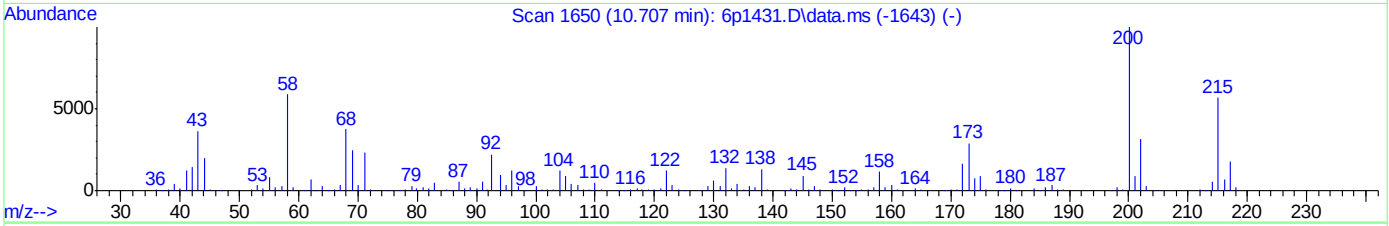
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8289.D
Acq On : 26 Jun 2014 10:19 pm
Operator : samtap
Sample : ic358-25
Misc : op75816,e6p358
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 27 22:43:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration







TIC: 6p8289.D\data.ms

(105) Atrazine

10.473min (-0.011) 28.15ppb

response 141291

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	12.45#
58.10	117.80	0.00#
68.10	43.80	0.00#

9.6.89.2

9

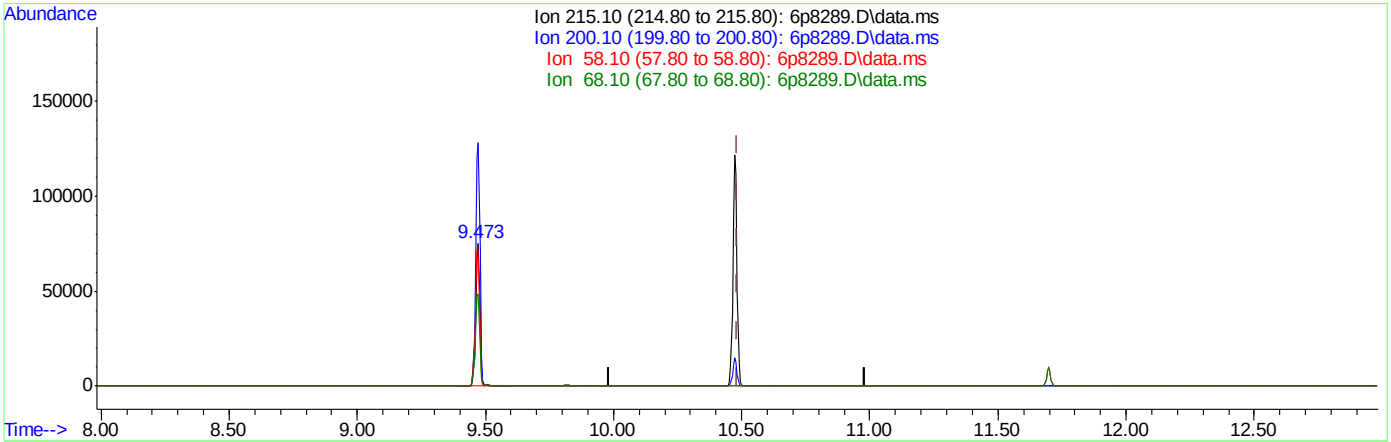
ACCUTEST LABORATORIES JB69123

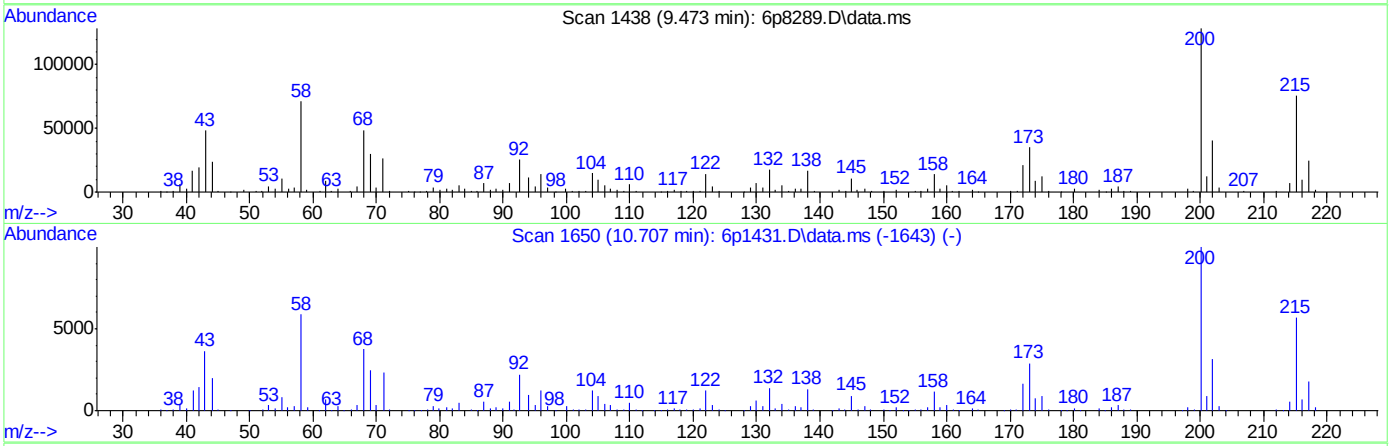
6P8289.D edits: Atrazine

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8289.D
Acq On : 26 Jun 2014 10:19 pm
Operator : samtap
Sample : ic358-25
Misc : op75816,e6p358
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 27 22:43:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:40:35 2014
Response via : Initial Calibration





TIC: 6p8289.D\data.ms

(105) Atrazine

9.473min (-1.011) 16.05ppb m

response 80567

Ion	Exp%	Act%
215.10	100	100
200.10	171.10	170.41
58.10	117.80	94.01
68.10	43.80	64.47

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8290.D
Acq On : 26 Jun 2014 10:47 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 02 14:48:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

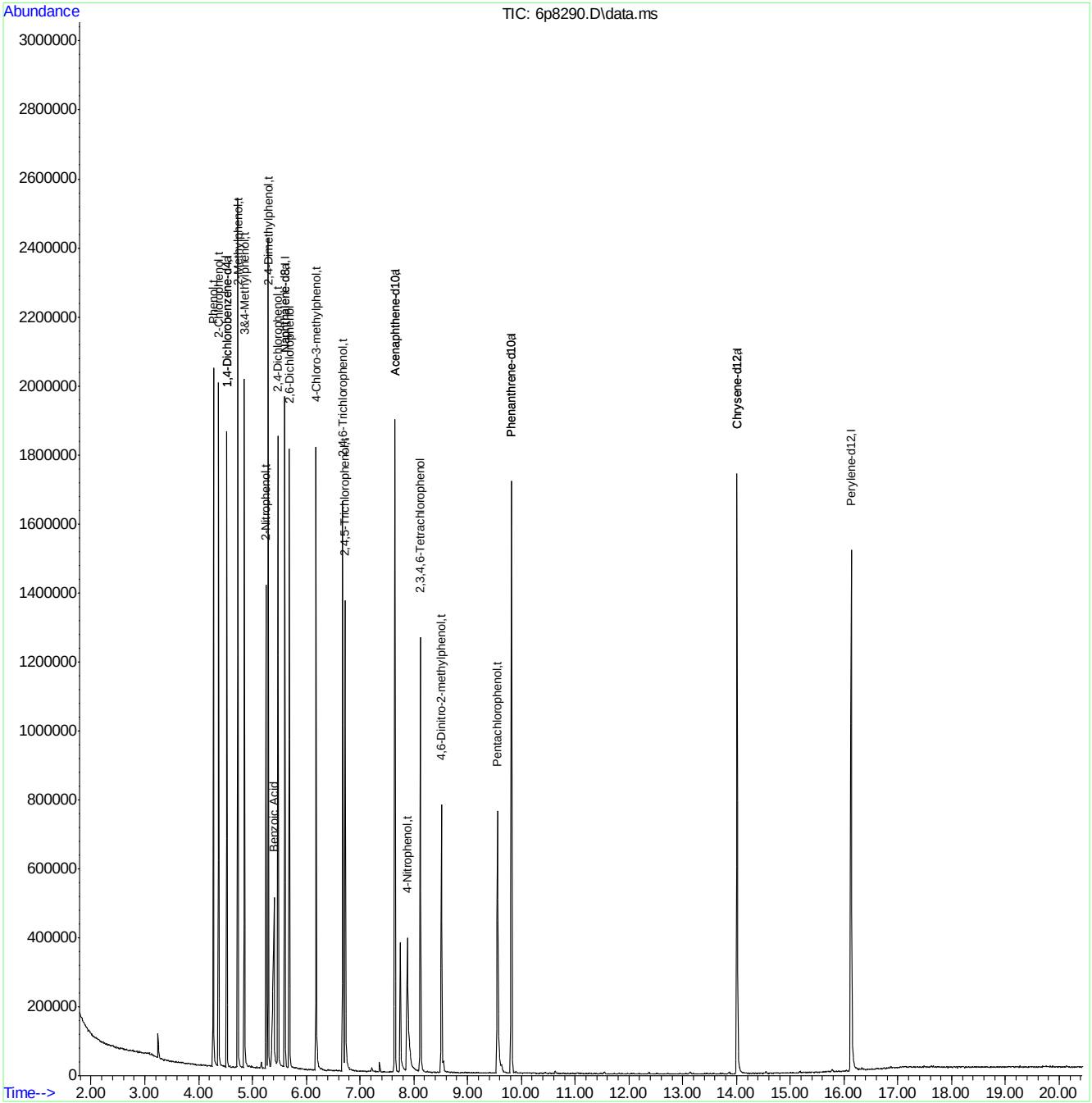
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	199912	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	780570	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	465353	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	749272	40.00	ppb	-0.02
83) Chrysene-d12	14.009	240	786081	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	761680	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	199912	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	749272	40.00	ppb	0.00
106) Chrysene-d12a	14.009	240	786081	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	465353	40.00	ppb	0.00
110) Naphthalene-d8a	5.600	136	780570	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%			
Target Compounds						Qvalue
9) Phenol	4.274	94	493589	42.93	ppb	68
12) 2-Chlorophenol	4.370	128	353744	45.73	ppb	94
19) 2-Methylphenol	4.729	108	340714	48.84	ppb	98
21) 3&4-Methylphenol	4.852	108	359075	48.68	ppb	99
29) 2-Nitrophenol	5.253	139	186897	46.66	ppb	92
30) 2,4-Dimethylphenol	5.296	107	368338	54.47	ppb	98
31) Benzoic Acid	5.403	105	231923	42.12	ppb	98
33) 2,4-Dichlorophenol	5.472	162	290278	48.31	ppb	97
34) 2,6-Dichlorophenol	5.686	162	289029	48.66	ppb	100
43) 4-Chloro-3-methylphenol	6.183	107	331018	47.04	ppb	98
49) 2,4,6-Trichlorophenol	6.681	196	217949	49.27	ppb	96
50) 2,4,5-Trichlorophenol	6.724	196	235484	49.31	ppb	97
61) 4-Nitrophenol	7.879	109	96514	48.39	ppb	98
64) 2,3,4,6-Tetrachlorophenol	8.120	232	179464	47.84	ppb	96
70) 4,6-Dinitro-2-methylph...	8.515	198	123634	42.57	ppb	98
76) Pentachlorophenol	9.558	266	137880	49.11	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8290.D
Acq On : 26 Jun 2014 10:47 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 02 14:48:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8291.D
Acq On : 26 Jun 2014 11:15 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 02 13:46:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	225718	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	921424	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	560309	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	909263	40.00	ppb	-0.02
83) Chrysene-d12	14.019	240	913409	40.00	ppb	-0.01
92) Perylene-d12	16.132	264	950024	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	225718	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	909263	40.00	ppb	0.00
106) Chrysene-d12a	14.019	240	913409	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	560309	40.00	ppb	0.00
110) Naphthalene-d8a	5.606	136	921424	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%		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.290	74	262928	43.73	ppb	94
11) bis(2-Chloroethyl)ether	4.328	93	415793	44.85	ppb	100
14) 1,3-Dichlorobenzene	4.483	146	392520	40.80	ppb	97
15) 1,4-Dichlorobenzene	4.542	146	397473	41.03	ppb	99
17) 1,2-Dichlorobenzene	4.659	146	380802	41.49	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.739	121	133746	43.63	ppb	99
22) n-Nitroso-di-n-propyla...	4.841	70	307600	45.37	ppb	96
23) Hexachloroethane	4.927	201	140335	42.02	ppb	96
26) Nitrobenzene	4.980	77	465270	40.98	ppb	95
28) Isophorone	5.178	82	777392	40.35	ppb	99
32) bis(2-Chloroethoxy)met...	5.376	93	496550	45.58	ppb	100
36) 1,2,4-Trichlorobenzene	5.552	180	327477	40.97	ppb	99
38) Naphthalene	5.622	128	1057233	40.73	ppb	99
42) Hexachlorobutadiene	5.756	225	179149	41.96	ppb	99
48) Hexachlorocyclopentadiene	6.542	237	151734	37.04	ppb	100
52) 2-Chloronaphthalene	6.922	162	691301	39.95	ppb	100
55) Dimethylphthalate	7.317	163	788820	42.29	ppb	100
56) Acenaphthylene	7.451	152	935329	35.74	ppb	100
57) 2,6-Dinitrotoluene	7.382	165	176104	41.33	ppb	96
59) Acenaphthene	7.692	153	708347	43.40	ppb	99
63) 2,4-Dinitrotoluene	7.933	165	237252	41.97	ppb	85
65) Diethylphthalate	8.312	149	759818	41.28	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8291.D
Acq On : 26 Jun 2014 11:15 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 02 13:46:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

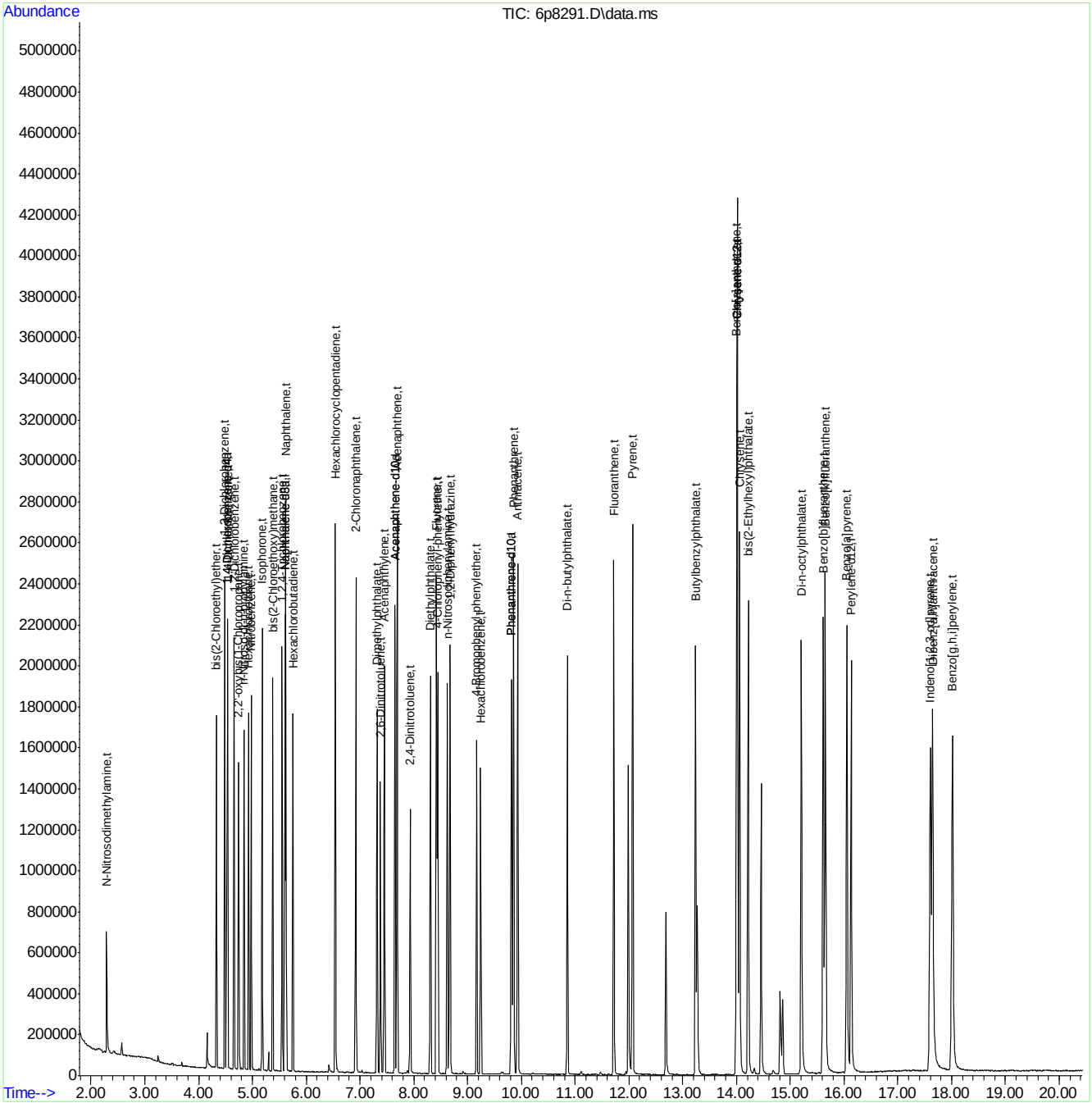
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Fluorene	8.419	166	826177	42.18	ppb	97
67) 4-Chlorophenyl-phenyle...	8.446	204	398546	43.16	ppb	98
71) n-Nitrosodiphenylamine	8.623	169	555518	42.51	ppb	99
72) 1,2-Diphenylhydrazine	8.676	77	990617	43.16	ppb	99
74) 4-Bromophenyl-phenylether	9.168	248	223370	44.49	ppb	98
75) Hexachlorobenzene	9.243	284	244830	41.12	ppb	94
77) Phenanthrene	9.853	178	1148357	41.13	ppb	99
78) Anthracene	9.933	178	1164260	41.74	ppb	98
80) Di-n-butylphthalate	10.853	149	1303888	43.77	ppb	100
81) Fluoranthene	11.719	202	1297673	42.14	ppb	99
84) Pyrene	12.067	202	1383331	43.78	ppb	98
87) Butylbenzylphthalate	13.238	149	596613	45.95	ppb	98
88) Benzo[a]anthracene	14.003	228	1161861	41.94	ppb	99
90) Chrysene	14.057	228	1238365	44.79	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.217	149	825387	46.89	ppb	96
93) Di-n-octylphthalate	15.201	149	1455904	46.25	ppb	99
94) Benzo[b]fluoranthene	15.613	252	1305647	42.49	ppb	97
95) Benzo[k]fluoranthene	15.651	252	1326208	42.03	ppb	97
96) Benzo[a]pyrene	16.052	252	1224366	42.84	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.603	276	1184843	43.90	ppb	96
99) Dibenz[a,h]anthracene	17.646	278	1316042	45.79	ppb	98
101) Benzo[g,h,i]perylene	18.015	276	1332401	43.76	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8291.D
Acq On : 26 Jun 2014 11:15 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 02 13:46:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8291A.D
Acq On : 26 Jun 2014 11:15 pm
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 02 13:37:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

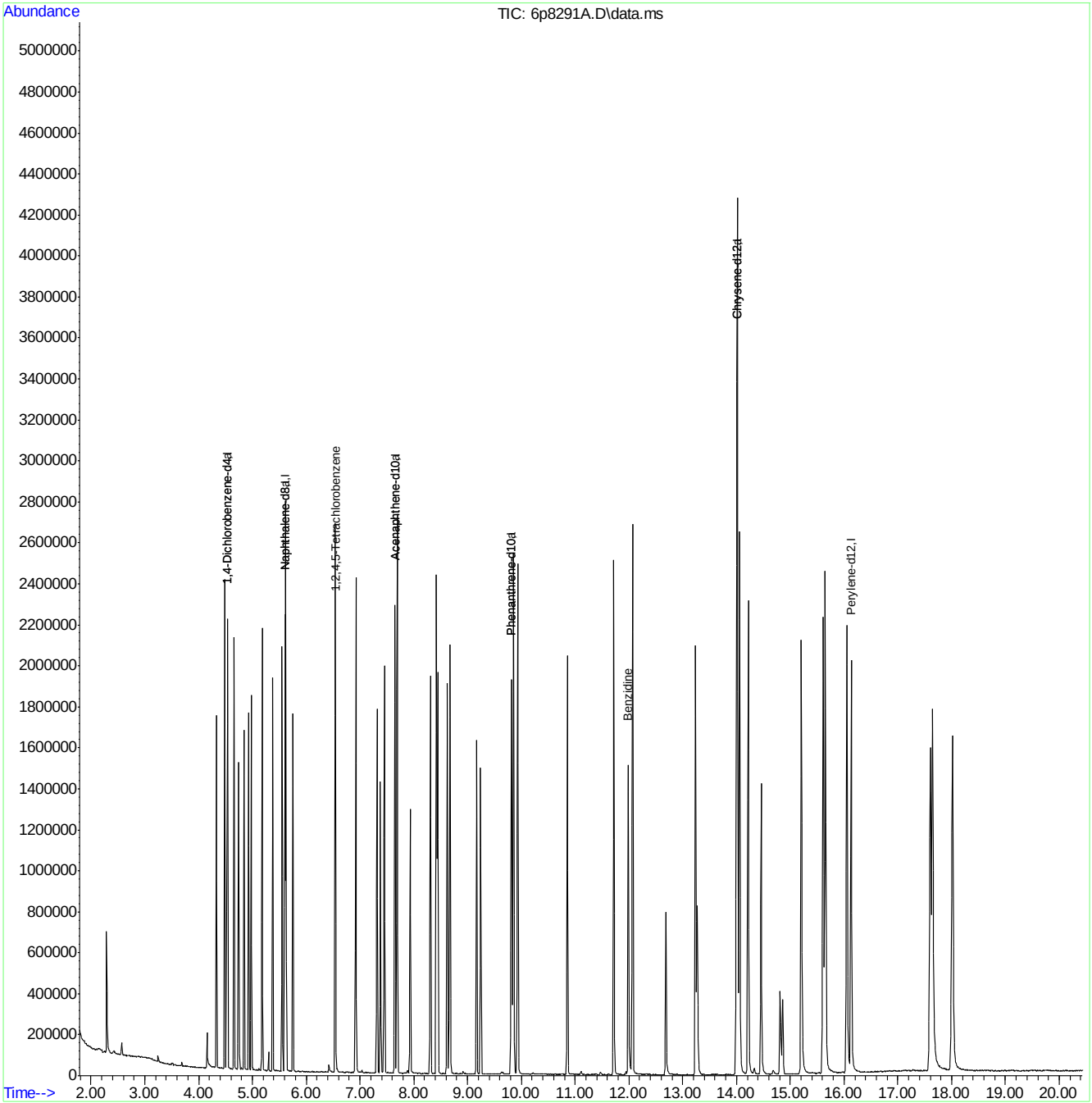
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	225718	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	921424	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	560309	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	909263	40.00	ppb	-0.02
83) Chrysene-d12	14.019	240	913409	40.00	ppb	-0.01
92) Perylene-d12	16.132	264	950024	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	225718	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	909263	40.00	ppb	0.00
106) Chrysene-d12a	14.019	240	913409	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	560309	40.00	ppb	0.00
110) Naphthalene-d8a	5.606	136	921424	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%		
Target Compounds						Qvalue
107) Benzidine	11.987	184	786944	56.05	ppb	79
109) 1,2,4,5-Tetrachloroben...	6.547	216	319169	39.66	ppb #	34

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8291A.D
Acq On : 26 Jun 2014 11:15 pm
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 02 13:37:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8292B.D
Acq On : 26 Jun 2014 11:44 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 02 14:47:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

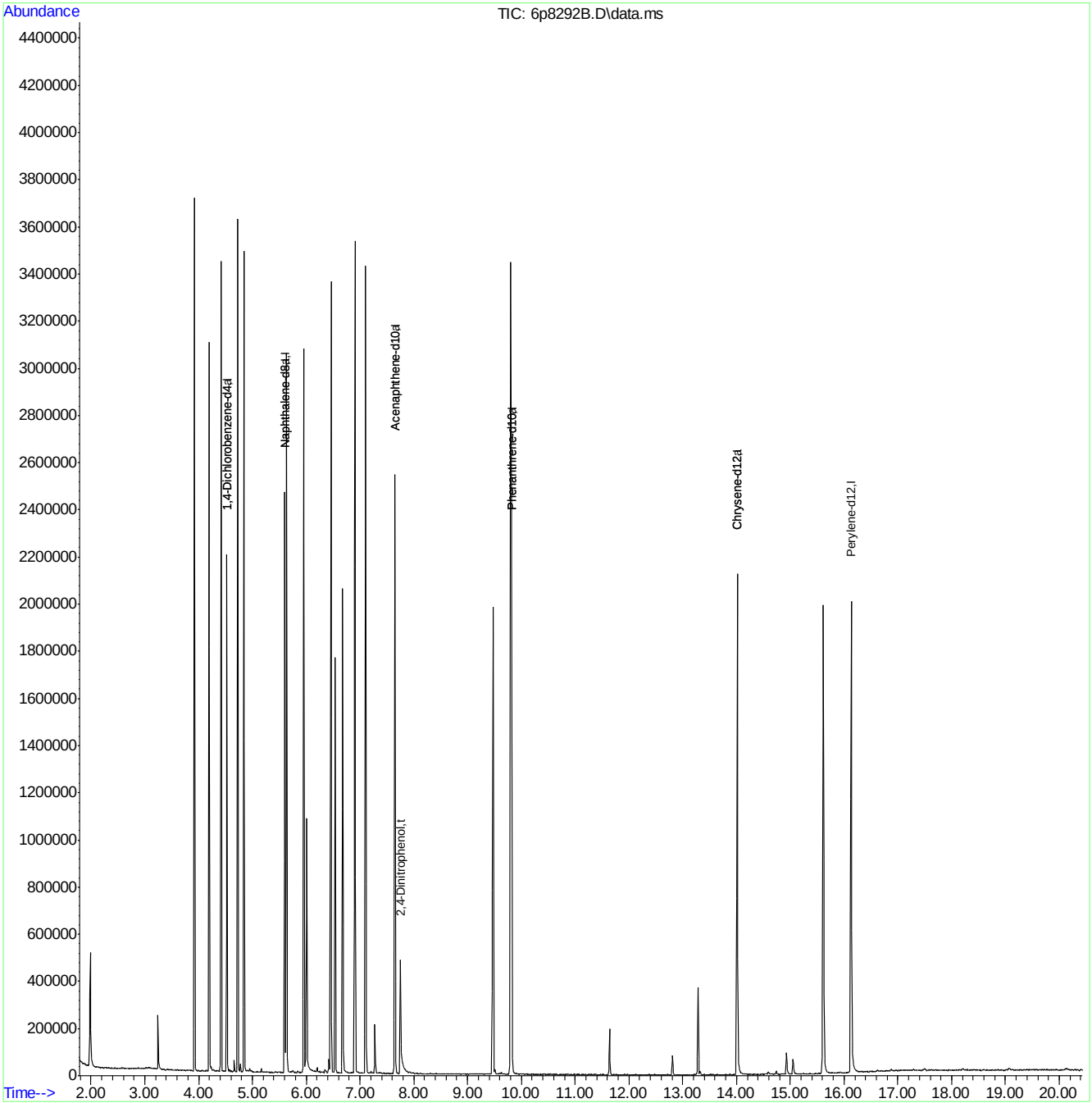
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	248067	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	999877	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	611151	40.00	ppb	-0.01
69) Phenanthrene-d10	9.820	188	972290	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	1046214	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	948354	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	248067	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	972290	40.00	ppb	0.00
106) Chrysene-d12a	14.014	240	1046214	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	611151	40.00	ppb	0.00
110) Naphthalene-d8a	5.600	136	999877	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
60) 2,4-Dinitrophenol	7.750	184	103742	39.47	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8292B.D
Acq On : 26 Jun 2014 11:44 pm
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 02 14:47:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8292a.D
Acq On : 26 Jun 2014 11:44 pm
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 02 13:44:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

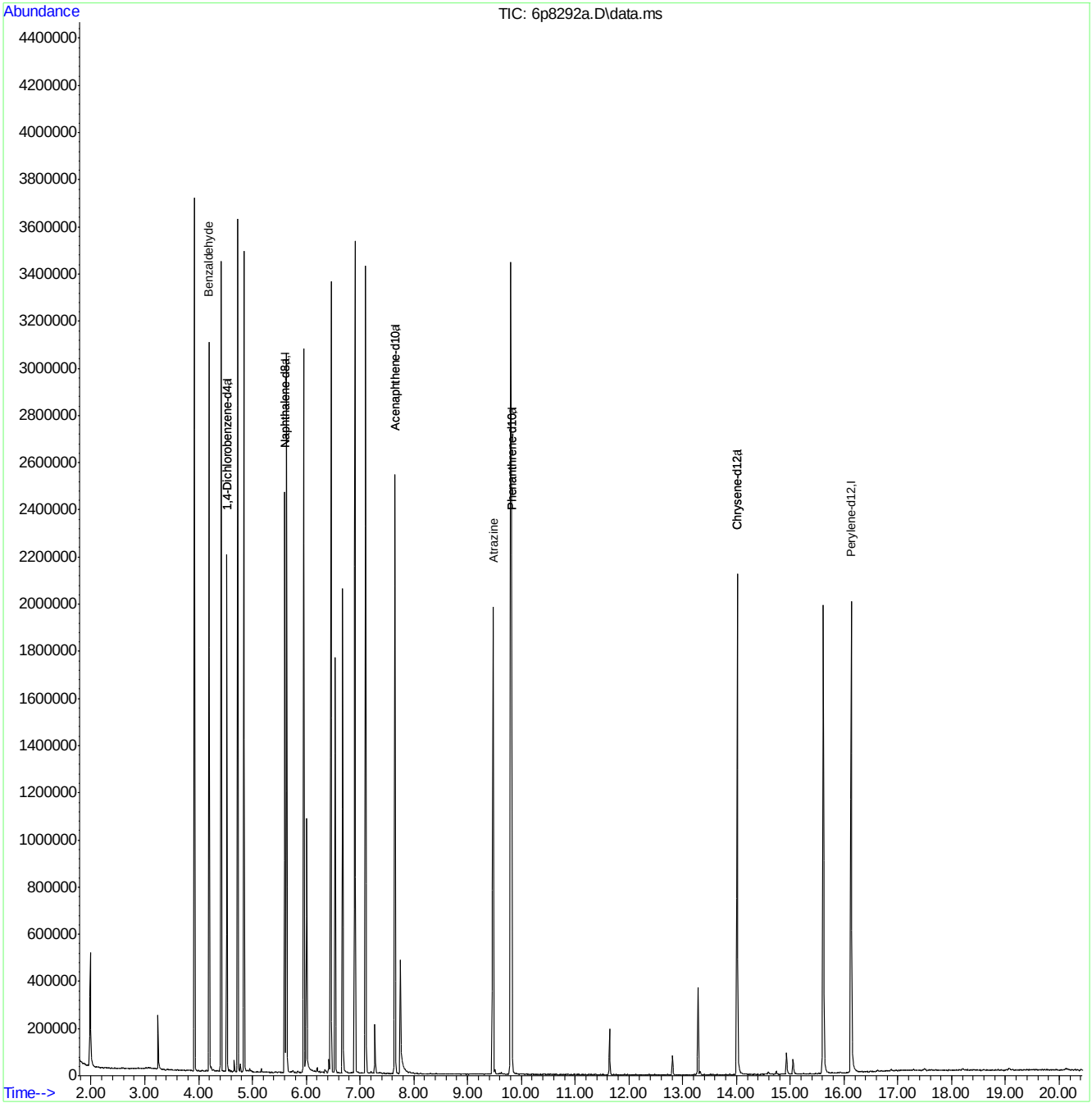
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	248067	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	999877	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	611151	40.00	ppb	-0.01
69) Phenanthrene-d10	9.820	188	972290	40.00	ppb	-0.01
83) Chrysene-d12	14.014	240	1046214	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	948354	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	248067	40.00	ppb	0.00
104) Phenanthrene-d10a	9.820	188	972290	40.00	ppb	0.00
106) Chrysene-d12a	14.014	240	1046214	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	611151	40.00	ppb	0.00
110) Naphthalene-d8a	5.600	136	999877	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.194	105	427401	53.72	ppb	96
105) Atrazine	9.478	215	162823	56.66	ppb	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8292a.D
Acq On : 26 Jun 2014 11:44 pm
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 02 13:44:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8293.D
Acq On : 27 Jun 2014 12:12 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 02 13:45:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	218226	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	870133	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	524457	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	872376	40.00	ppb	-0.02
83) Chrysene-d12	14.008	240	906237	40.00	ppb	-0.02
92) Perylene-d12	16.127	264	832897	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.525	152	218226	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	872376	40.00	ppb	0.00
107) Chrysene-d12a	14.008	240	906237	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	524457	40.00	ppb	0.00
112) Naphthalene-d8a	5.600	136	870133	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.525	112	358464	42.82	ppb	0.00
Spiked Amount 50.000			Recovery = 85.64%			
8) Phenol-d5	4.263	99	440777	42.07	ppb	-0.01
Spiked Amount 50.000			Recovery = 84.14%			
25) Nitrobenzene-d5	4.964	82	403335	41.36	ppb	-0.01
Spiked Amount 50.000			Recovery = 82.72%			
51) 2-Fluorobiphenyl	6.782	172	713386	41.25	ppb	-0.02
Spiked Amount 50.000			Recovery = 82.50%			
73) 2,4,6-Tribromophenol	8.778	330	95522	41.17	ppb	-0.01
Spiked Amount 50.000			Recovery = 82.34%			
86) Terphenyl-d14	12.393	244	855750	42.20	ppb	-0.01
Spiked Amount 50.000			Recovery = 84.40%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

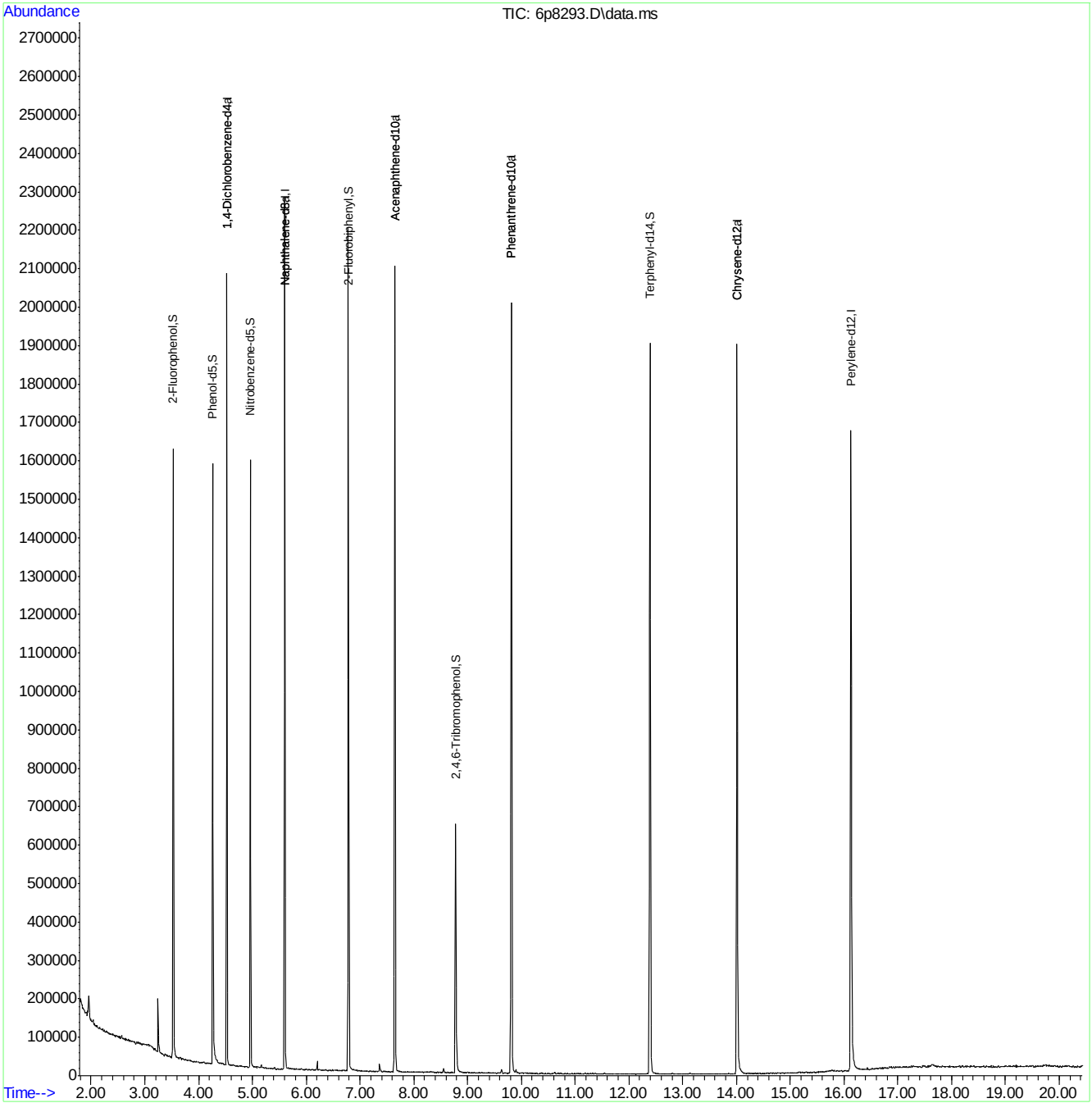
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8293.D
Acq On : 27 Jun 2014 12:12 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 02 13:45:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8294.D
Acq On : 27 Jun 2014 12:40 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 02 13:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration

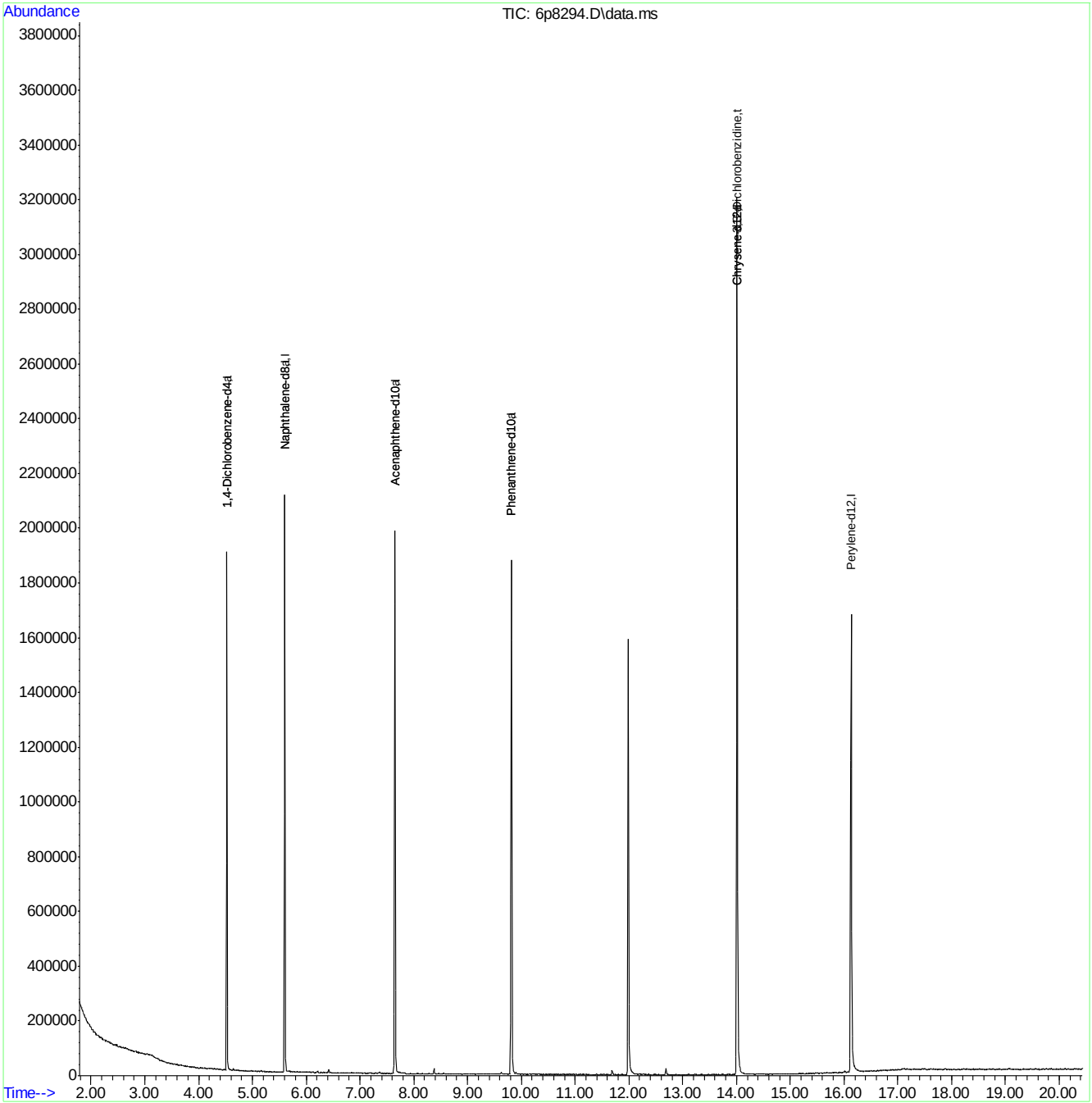
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	208829	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	817418	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	502373	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	836267	40.00	ppb	-0.02
83) Chrysene-d12	14.008	240	876338	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	870377	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	208829	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	836267	40.00	ppb	0.00
107) Chrysene-d12a	14.008	240	876338	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	502373	40.00	ppb	0.00
112) Naphthalene-d8a	5.600	136	817418	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.014	252	417878	43.65	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8294.D
Acq On : 27 Jun 2014 12:40 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 02 13:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8294a.D
Acq On : 27 Jun 2014 12:40 am
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 02 13:49:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration

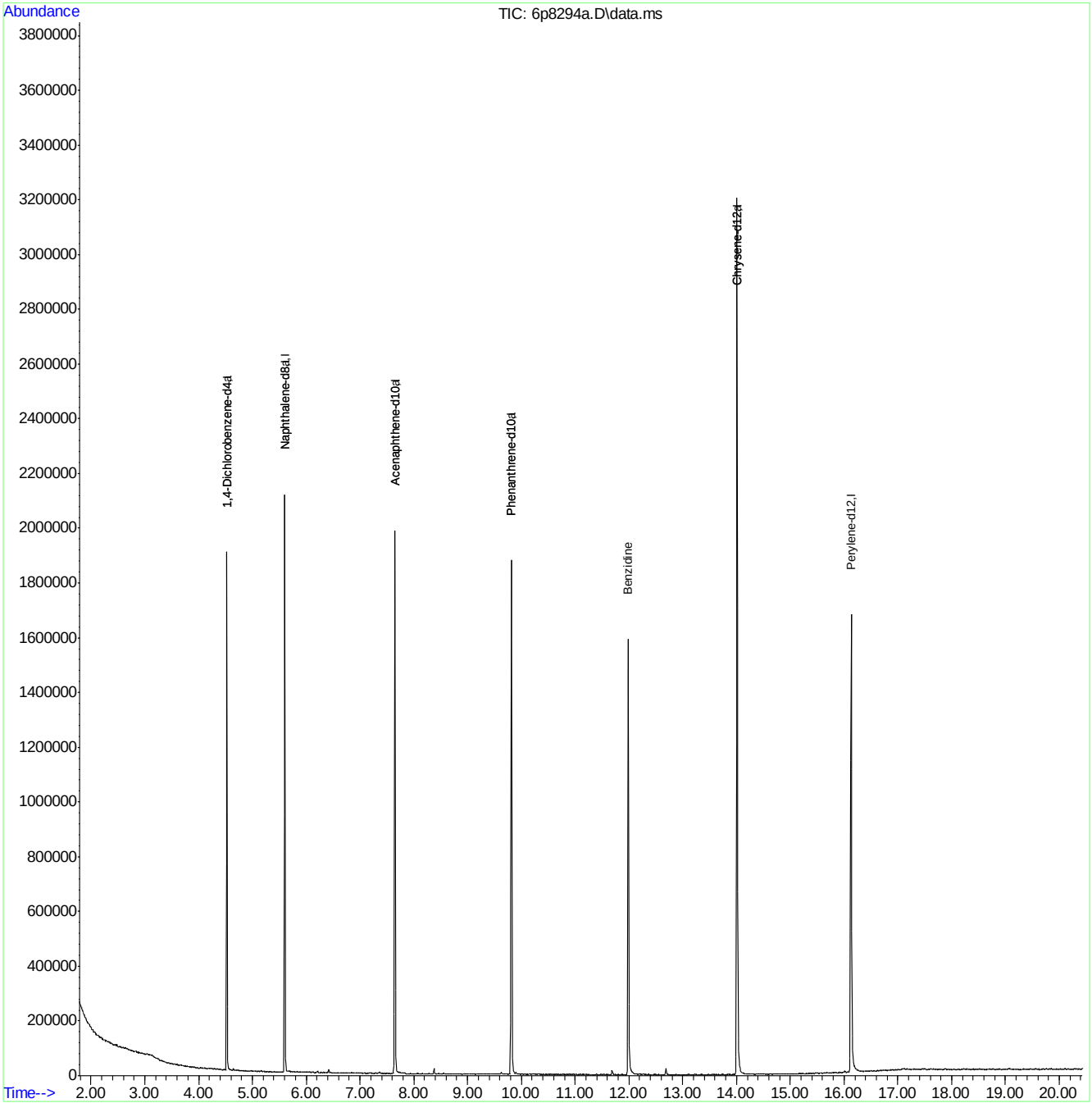
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	208829	40.00	ppb	0.00
24) Naphthalene-d8	5.600	136	817418	40.00	ppb	-0.01
47) Acenaphthene-d10	7.649	164	502373	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	836267	40.00	ppb	-0.02
83) Chrysene-d12	14.008	240	876338	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	870377	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	208829	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	836267	40.00	ppb	0.00
106) Chrysene-d12a	14.008	240	876338	40.00	ppb	0.00
108) Acenaphthene-d10a	7.649	164	502373	40.00	ppb	0.00
110) Naphthalene-d8a	5.600	136	817418	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%		
Target Compounds						Qvalue
107) Benzidine	11.987	184	782206	58.07	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8294a.D
Acq On : 27 Jun 2014 12:40 am
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 02 13:49:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 11:37:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8295.D
Acq On : 27 Jun 2014 1:08 am
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 02 13:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration

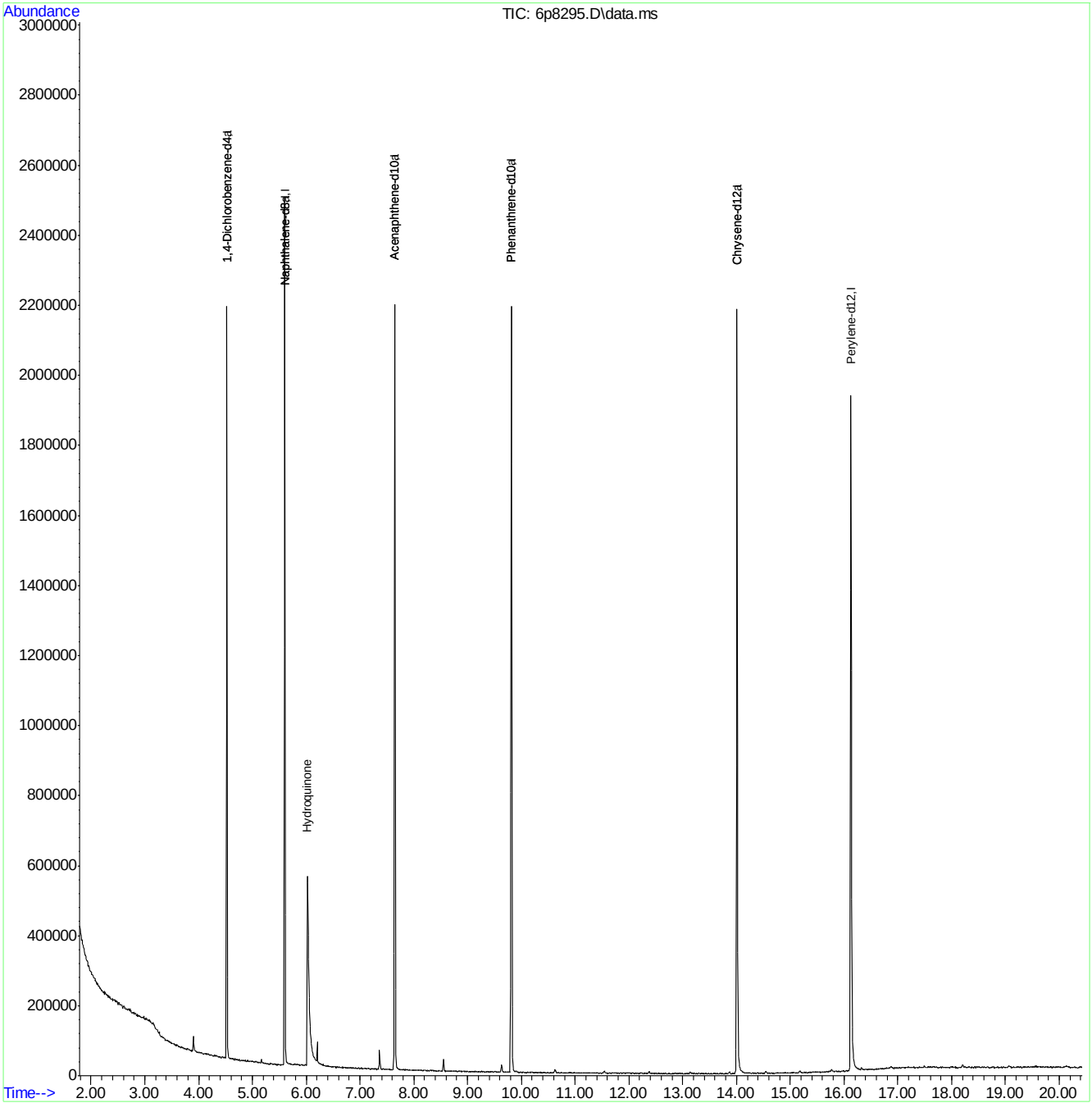
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.525	152	241183	40.00	ppb	0.00
24) Naphthalene-d8	5.601	136	933869	40.00	ppb	-0.01
47) Acenaphthene-d10	7.644	164	566887	40.00	ppb	-0.02
69) Phenanthrene-d10	9.815	188	936559	40.00	ppb	-0.02
83) Chrysene-d12	14.009	240	1017637	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	981699	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.525	152	241183	40.00	ppb	0.00
104) Phenanthrene-d10a	9.815	188	936559	40.00	ppb	0.00
107) Chrysene-d12a	14.009	240	1017637	40.00	ppb	0.00
110) Acenaphthene-d10a	7.644	164	566887	40.00	ppb	-0.01
112) Naphthalene-d8a	5.601	136	933869	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	6.023	110	496522	63.72	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8295.D
Acq On : 27 Jun 2014 1:08 am
Operator : samtap
Sample : icv358-50
Misc : op75816,e6p358
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 02 13:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8296.D
Acq On : 27 Jun 2014 1:36 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 02 13:53:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration

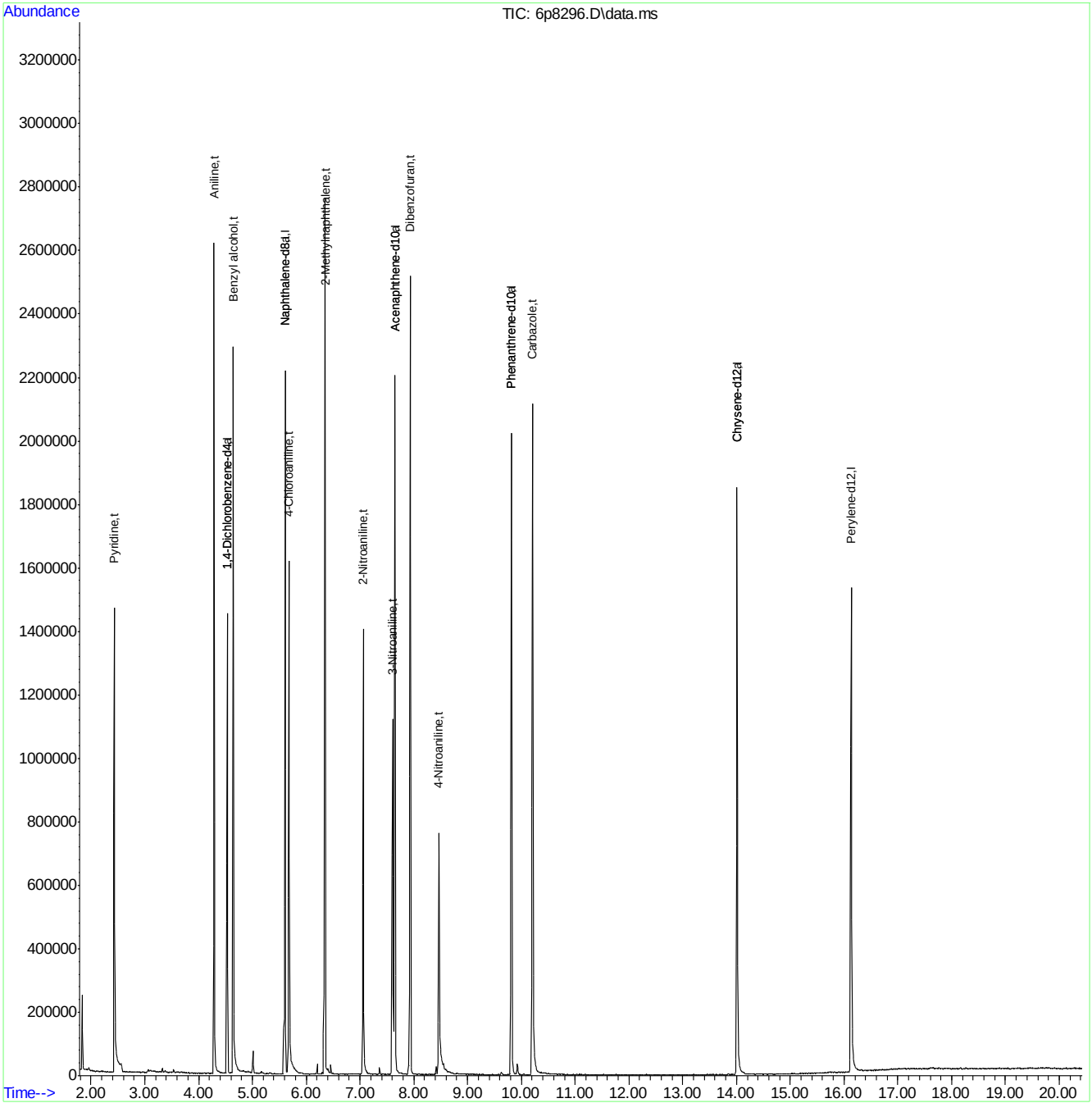
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.536	152	228921	40.00	ppb	0.00
24) Naphthalene-d8	5.606	136	836752	40.00	ppb	0.00
47) Acenaphthene-d10	7.649	164	559179	40.00	ppb	-0.01
69) Phenanthrene-d10	9.815	188	893612	40.00	ppb	-0.02
83) Chrysene-d12	14.008	240	897274	40.00	ppb	-0.02
92) Perylene-d12	16.132	264	784234	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.536	152	228921	40.00	ppb	0.01
104) Phenanthrene-d10a	9.815	188	893612	40.00	ppb	0.00
107) Chrysene-d12a	14.008	240	897274	40.00	ppb	0.00
110) Acenaphthene-d10a	7.649	164	559179	40.00	ppb	0.00
112) Naphthalene-d8a	5.606	136	836752	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.429	79	526185	54.36	ppb	98
10) Aniline	4.290	93	738513	50.11	ppb	96
16) Benzyl alcohol	4.643	108	271334	43.57	ppb	97
39) 4-Chloroaniline	5.681	127	453604	46.68	ppb	98
44) 2-Methylnaphthalene	6.349	141	654454	48.55	ppb	96
54) 2-Nitroaniline	7.061	65	269883	45.83	ppb	96
58) 3-Nitroaniline	7.606	138	223658	46.74	ppb	98
62) Dibenzofuran	7.932	168	1137775	47.82	ppb	99
68) 4-Nitroaniline	8.467	138	199043	41.06	ppb	96
79) Carbazole	10.206	167	1206842	45.04	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p357\
Data File : 6p8296.D
Acq On : 27 Jun 2014 1:36 am
Operator : samtap
Sample : icv357-50
Misc : op75816,e6p358
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 02 13:53:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 20:24:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.536	152	252134	40.00	ppb		0.00
24) Naphthalene-d8	5.617	136	1019146	40.00	ppb		0.00
47) Acenaphthene-d10	7.676	164	640508	40.00	ppb		0.02
69) Phenanthrene-d10	9.858	188	1048434	40.00	ppb		0.03
83) Chrysene-d12	14.078	240	1056539	40.00	ppb		0.05
92) Perylene-d12	16.207	264	1015238	40.00	ppb		0.06
102) 1,4-Dichlorobenzene-d4a	4.536	152	252134	40.00	ppb		0.01
104) Phenanthrene-d10a	9.858	188	1048434	40.00	ppb		0.04
106) Chrysene-d12a	14.078	240	1056539	40.00	ppb		0.06
108) Acenaphthene-d10a	7.676	164	640508	40.00	ppb		0.02
110) Naphthalene-d8a	5.617	136	1019146	40.00	ppb		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.547	112	220707	22.82	ppb		0.02
Spiked Amount 50.000			Recovery = 45.64%				
8) Phenol-d5	4.285	99	285963	23.62	ppb		0.01
Spiked Amount 50.000			Recovery = 47.24%				
25) Nitrobenzene-d5	4.975	82	281136	24.61	ppb		0.00
Spiked Amount 50.000			Recovery = 49.22%				
51) 2-Fluorobiphenyl	6.804	172	482259	22.83	ppb		0.00
Spiked Amount 50.000			Recovery = 45.66%				
73) 2,4,6-Tribromophenol	8.815	330	69197	24.81	ppb		0.03
Spiked Amount 50.000			Recovery = 49.62%				
86) Terphenyl-d14	12.431	244	571901	24.19	ppb		0.03
Spiked Amount 50.000			Recovery = 48.38%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.001	88	90524	22.26	ppb		84
3) Pyridine	2.349	79	257673	24.17	ppb		96
4) N-Nitrosodimethylamine	2.306	74	158364	23.58	ppb		96
6) Indene	4.734	116	398610	23.48	ppb		100
7) Cumene	3.926	105	578554	23.32	ppb		98
9) Phenol	4.295	94	348640	24.04	ppb	#	41
10) Aniline	4.285	93	367339	22.63	ppb		91
11) bis(2-Chloroethyl)ether	4.333	93	234609	22.66	ppb		95
12) 2-Chlorophenol	4.386	128	223940	22.95	ppb		96
13) Decane	4.418	43	273974	24.88	ppb		96
14) 1,3-Dichlorobenzene	4.493	146	249396	23.21	ppb		98
15) 1,4-Dichlorobenzene	4.547	146	249223	23.03	ppb		98
16) Benzyl alcohol	4.648	108	166506	24.28	ppb		94
17) 1,2-Dichlorobenzene	4.665	146	232744	22.70	ppb		97
18) Acetophenone	4.852	105	348329	23.96	ppb		97
19) 2-Methylphenol	4.750	108	218861	24.88	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.745	121	78849	23.03	ppb		89
21) 3&4-Methylphenol	4.868	108	246908	26.54	ppb		100
22) n-Nitroso-di-n-propyla...	4.852	70	184253	24.33	ppb		92
23) Hexachloroethane	4.932	201	91821	24.61	ppb		92
26) Nitrobenzene	4.991	77	311692	24.82	ppb		96
27) Quinoline	5.975	129	450296	22.93	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 20:24:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Isophorone	5.194	82	511173	23.99	ppb		99
29) 2-Nitrophenol	5.264	139	125746	24.04	ppb		85
30) 2,4-Dimethylphenol	5.312	107	224103	25.38	ppb		97
31) Benzoic Acid	5.445	105	105543	14.68	ppb		94
32) bis(2-Chloroethoxy)met...	5.381	93	282718	23.46	ppb		100
33) 2,4-Dichlorophenol	5.499	162	193887	24.71	ppb		95
34) 2,6-Dichlorophenol	5.702	162	188741	24.34	ppb		99
35) 1,3,5-Trichlorobenzene	5.280	180	218487	23.51	ppb		98
36) 1,2,4-Trichlorobenzene	5.563	180	207094	23.43	ppb		97
37) 1,2,3-Trichlorobenzene	5.782	180	208992	23.73	ppb		97
38) Naphthalene	5.638	128	656586	22.87	ppb		99
39) 4-Chloroaniline	5.691	127	277424	23.44	ppb		97
40) 2,3-Dichloroaniline	6.697	161	245394	23.97	ppb		98
41) Caprolactam	6.061	55	123681	25.21	ppb		92
42) Hexachlorobutadiene	5.761	225	120391	25.49	ppb		97
43) 4-Chloro-3-methylphenol	6.226	107	221230	24.08	ppb		97
44) 2-Methylnaphthalene	6.365	141	378717	23.06	ppb		97
45) 1-Methylnaphthalene	6.478	141	384010	22.93	ppb		98
46) Dimethylnaphthalene	7.125	156	414172	23.27	ppb		99
48) Hexachlorocyclopentadiene	6.553	237	236478	50.50	ppb		97
49) 2,4,6-Trichlorophenol	6.713	196	148319	24.36	ppb		97
50) 2,4,5-Trichlorophenol	6.772	196	158871	24.17	ppb		99
52) 2-Chloronaphthalene	6.948	162	452237	22.86	ppb		97
53) Biphenyl	6.927	154	548471	22.54	ppb		98
54) 2-Nitroaniline	7.082	65	169903	25.19	ppb		96
55) Dimethylphthalate	7.333	163	498942	23.40	ppb		99
56) Acenaphthylene	7.478	152	693859	23.20	ppb		99
57) 2,6-Dinitrotoluene	7.408	165	118196	24.27	ppb		92
58) 3-Nitroaniline	7.633	138	131452	23.98	ppb		95
59) Acenaphthene	7.719	153	425835	22.82	ppb		98
60) 2,4-Dinitrophenol	7.799	184	122145	44.34	ppb		94
61) 4-Nitrophenol	7.949	109	75145	27.37	ppb	#	58
62) Dibenzofuran	7.959	168	614397	22.55	ppb		92
63) 2,4-Dinitrotoluene	7.975	165	163708	25.33	ppb		81
64) 2,3,4,6-Tetrachlorophenol	8.163	232	118616	22.97	ppb		94
65) Diethylphthalate	8.334	149	487246	23.16	ppb		99
66) Fluorene	8.451	166	511126	22.83	ppb		98
67) 4-Chlorophenyl-phenyle...	8.467	204	246620	23.36	ppb		98
68) 4-Nitroaniline	8.499	138	129741	23.36	ppb		94
70) 4,6-Dinitro-2-methylph...	8.574	198	94418	23.24	ppb		98
71) n-Nitrosodiphenylamine	8.649	169	355967	23.63	ppb		99
72) 1,2-Diphenylhydrazine	8.703	77	629390	23.78	ppb		100
74) 4-Bromophenyl-phenylether	9.195	248	139755	24.14	ppb		98
75) Hexachlorobenzene	9.291	284	156183	22.75	ppb		95
76) Pentachlorophenol	9.612	266	176149	44.83	ppb		94
77) Phenanthrene	9.895	178	724756	22.51	ppb		99
78) Anthracene	9.970	178	753898	23.44	ppb		99
79) Carbazole	10.249	167	710588	22.60	ppb		98
80) Di-n-butylphthalate	10.880	149	838045	24.40	ppb		100
81) Fluoranthene	11.768	202	822948	23.18	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 20:24:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

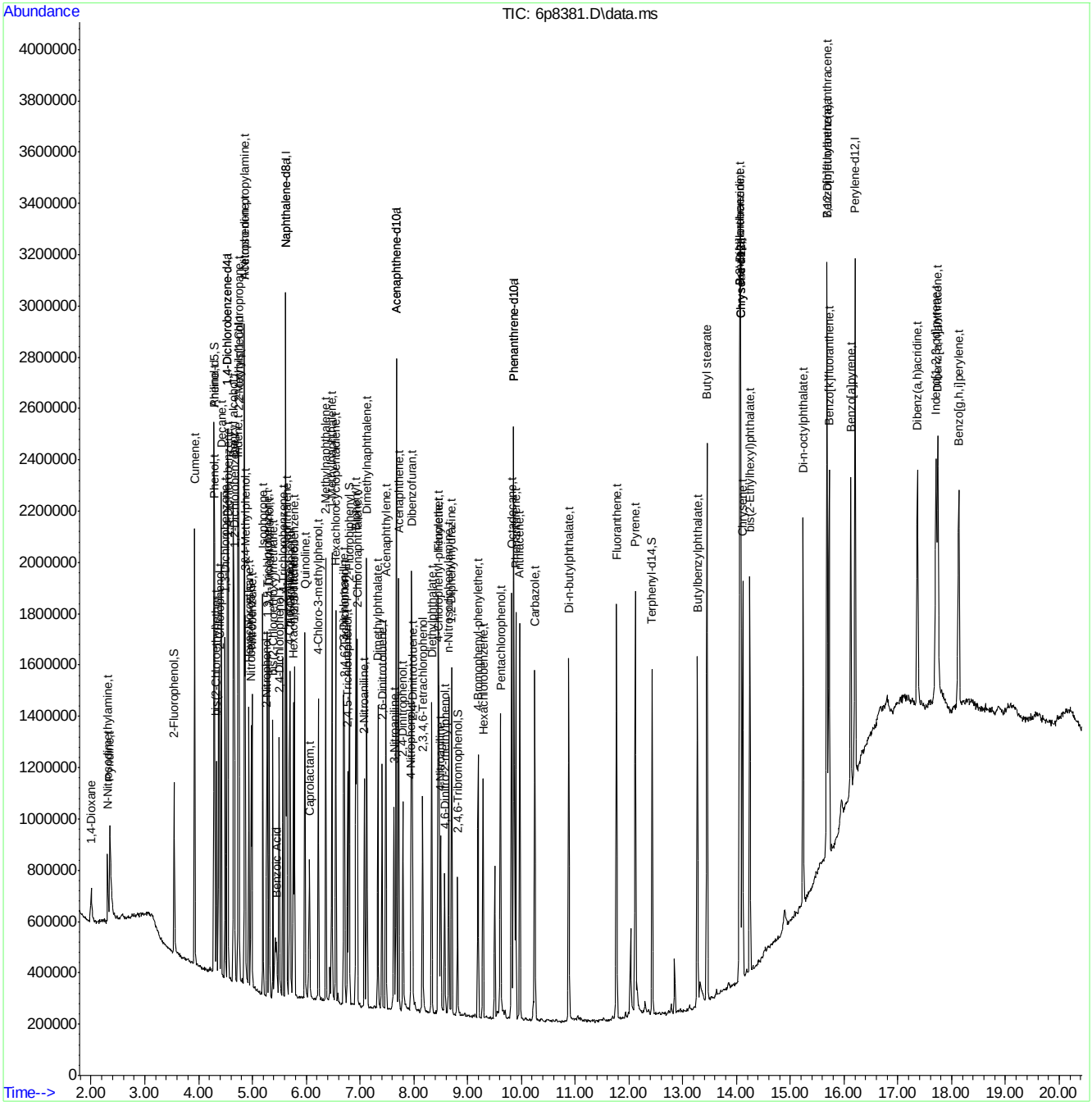
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	9.821	57	388343	24.97	ppb	98
84) Pyrene	12.121	202	856910	23.45	ppb	99
85) Butyl stearate	13.452	56	390894	33.93	ppb	98
87) Butylbenzylphthalate	13.270	149	384398	25.60	ppb	97
88) Benzo[a]anthracene	14.062	228	749957	23.40	ppb	99
89) 3,3'-Dichlorobenzidine	14.062	252	277461	24.04	ppb	97
90) Chrysene	14.116	228	722492	22.59	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.244	149	537223	26.39	ppb	99
93) Di-n-octylphthalate	15.239	149	934904	27.79	ppb	99
94) Benzo[b]fluoranthene	15.683	252	769119	23.42	ppb	98
95) Benzo[k]fluoranthene	15.720	252	766672	22.74	ppb	98
96) Benzo[a]pyrene	16.127	252	709638	23.24	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.710	276	737247	25.56	ppb	97
98) Dibenz(a,h)acridine	17.368	279	646168	23.91	ppb	99
99) Dibenz[a,h]anthracene	17.742	278	728401	23.72	ppb	95
100) 7,12-Dimethylbenz(a)an...	15.683	256	358713	30.16	ppb	98
101) Benzo[g,h,i]perylene	18.132	276	707634	21.75	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 20:24:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jul 01 15:56:51 2014
Response via : Initial Calibration

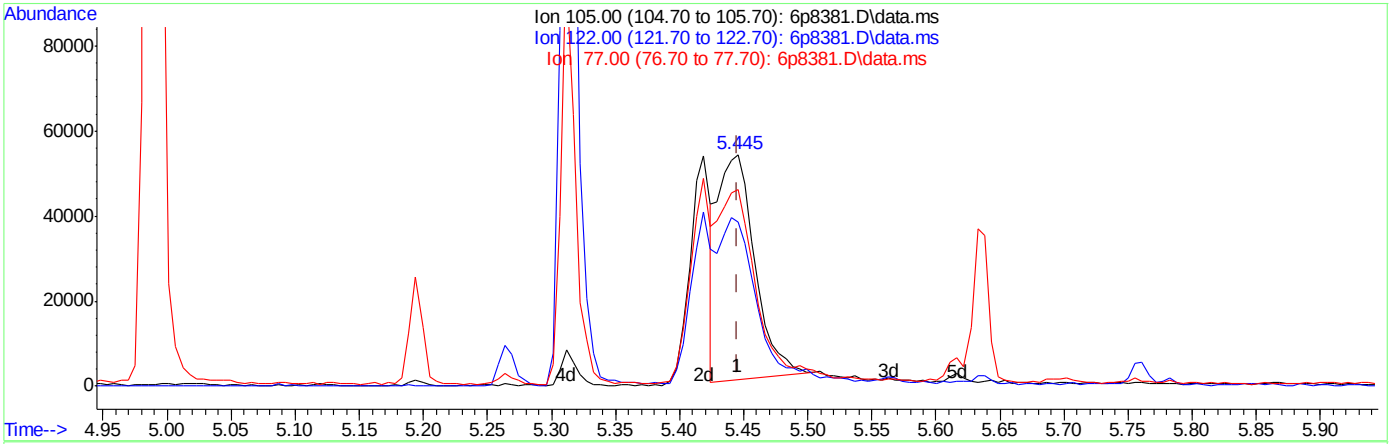


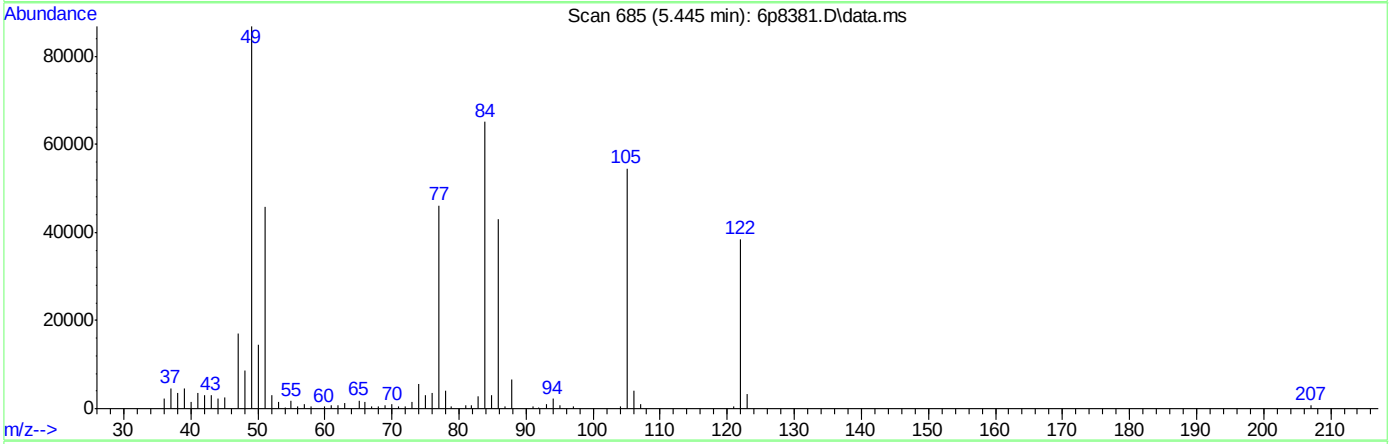
ACCUTEST LABORATORIES
JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 10:24:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration





TIC: 6p8381.D\data.ms

(31) Benzoic Acid

5.445min (+0.000) 14.68ppb

response 105543

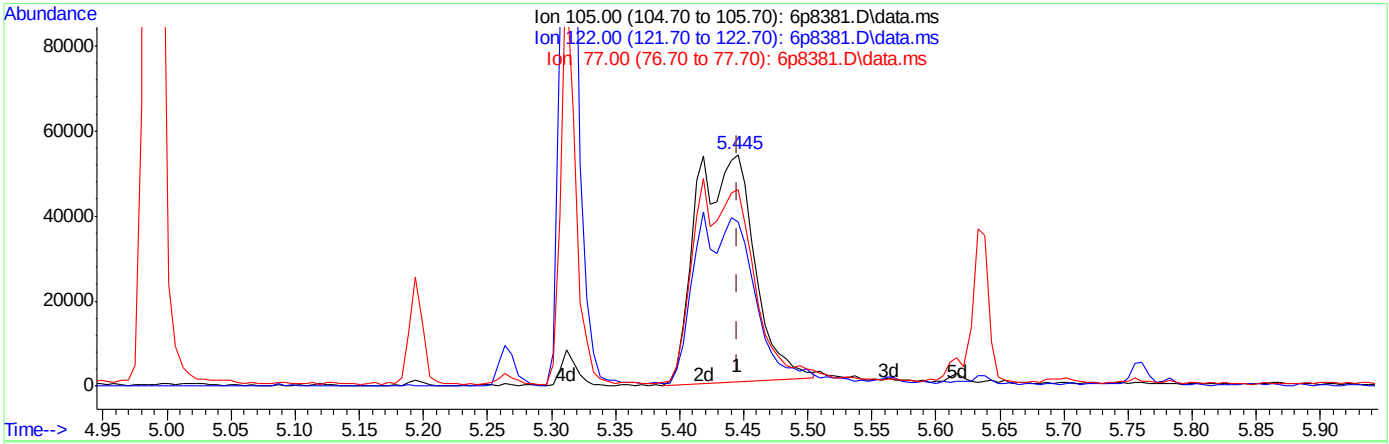
Ion	Exp%	Act%
105.00	100	100
122.00	71.30	65.78
77.00	82.00	84.40
0.00	0.00	0.00

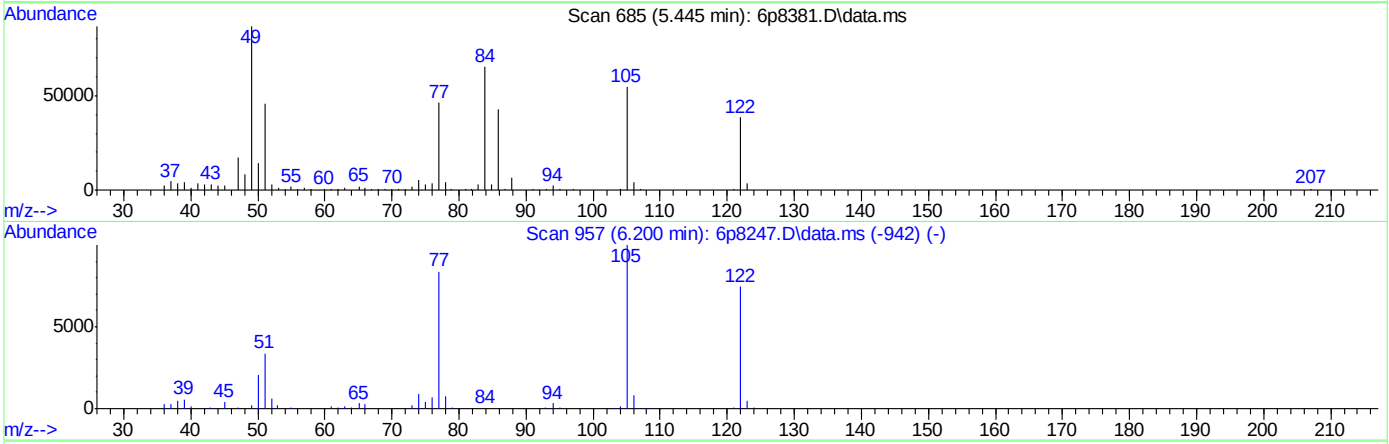
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8381.D
Acq On : 1 Jul 2014 9:53 am
Operator : saraw
Sample : cc357-25
Misc : op75816,e6p362
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 10:24:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri Jun 27 22:48:40 2014
Response via : Initial Calibration





TIC: 6p8381.D\data.ms

(31) Benzoic Acid

5.445min (+0.000) 23.77ppb m

response 170890

Ion	Exp%	Act%
105.00	100	100
122.00	71.30	40.63#
77.00	82.00	52.12#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8382.D
Acq On : 1 Jul 2014 10:30 am
Operator : saraw
Sample : cc358-25
Misc : op75816,e6p362
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 10:02:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 08:45:28 2014
Response via : Initial Calibration

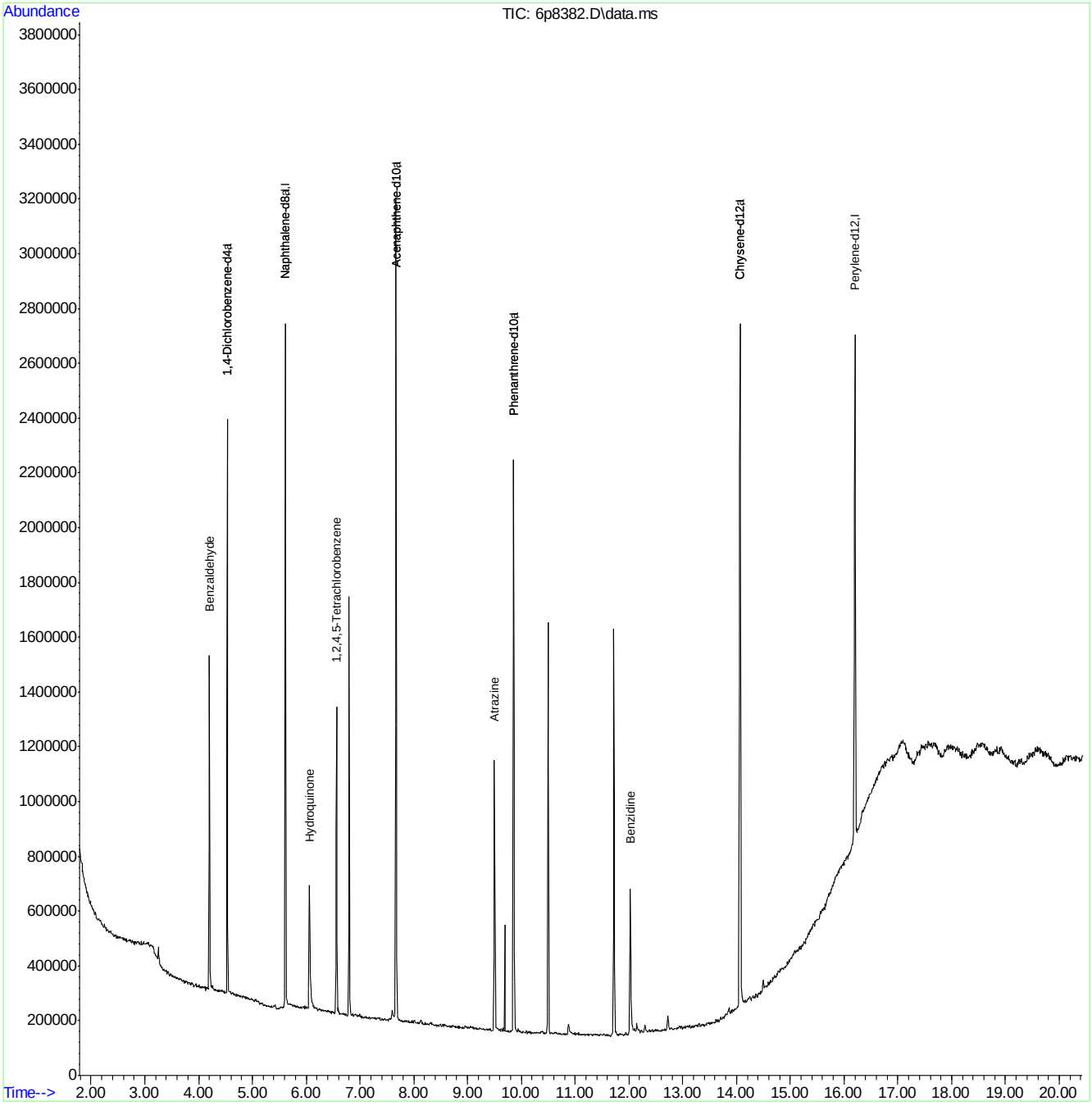
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.531	152	230370	40.00	ppb		0.00
24) Naphthalene-d8	5.611	136	924055	40.00	ppb		0.00
47) Acenaphthene-d10	7.676	164	567212	40.00	ppb		0.02
69) Phenanthrene-d10	9.853	188	949210	40.00	ppb		0.02
83) Chrysene-d12	14.067	240	941526	40.00	ppb		0.04
92) Perylene-d12	16.202	264	908633	40.00	ppb		0.06
102) 1,4-Dichlorobenzene-d4a	4.531	152	230370	40.00	ppb		0.00
104) Phenanthrene-d10a	9.853	188	949210	40.00	ppb		0.03
106) Chrysene-d12a	14.067	240	941526	40.00	ppb		0.05
108) Acenaphthene-d10a	7.676	164	567212	40.00	ppb		0.02
110) Naphthalene-d8a	5.611	136	924055	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
103) Benzaldehyde	4.199	105	179550	24.30	ppb		92
105) Atrazine	9.505	215	75255	26.82	ppb		84
107) Benzidine	12.024	184	297293	20.54	ppb		76
109) 1,2,4,5-Tetrachloroben...	6.563	216	195755	24.03	ppb	#	32
111) Hydroquinone	6.061	110	248073	32.17	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p362\
Data File : 6p8382.D
Acq On : 1 Jul 2014 10:30 am
Operator : saraw
Sample : cc358-25
Misc : op75816,e6p362
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 10:02:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P357.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed Jul 02 08:45:28 2014
Response via : Initial Calibration



M6P357.M Wed Jul 02 10:02:35 2014 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35906.D Vial: 2
Acq On : 11 Jun 2014 8:36 pm Operator: ashleyd
Sample : icc5692-50 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:19:06 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	161124	40.00	ppb	-0.03
24) Naphthalene-d8	5.86	136	586129	40.00	ppb	-0.03
47) Acenaphthene-d10	7.35	164	332995	40.00	ppb	-0.03
69) Phenanthrene-d10	9.32	188	541802	40.00	ppb	-0.04
83) Chrysene-d12	14.68	240	514719	40.00	ppb	-0.06
92) Perylene-d12	17.74	264	421531	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4A	4.93	152	161124	40.00	ppb	-0.03
112) Naphthalene-d8A	5.86	136	586129	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.35	164	332995	40.00	ppb	-0.03
132) Phenanthrene-d10A	9.32	188	541802	40.00	ppb	-0.04
147) Chrysene-d12A	14.68	240	514719	40.00	ppb	-0.06
155) Perylene-d12A	17.74	264	421531	40.00	ppb	-0.07
159) 1,4-Dichlorobenzene-d4b	4.93	152	161124	40.00	ppb	-0.03
161) Naphthalene-d8b	5.86	136	586129	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.35	164	332995	40.00	ppb	-0.03
165) Phenanthrene-d10b	9.32	188	541802	40.00	ppb	-0.04
167) Chrysene-d12b	14.68	240	514719	40.00	ppb	-0.06
169) 1,4-Dichlorobenzene-d4c	4.93	152	161124	40.00	ppb	-0.03
171) Naphthalene-d8c	5.86	136	586129	40.00	ppb	-0.03
176) Chrysene-d12c	14.68	240	514719	40.00	ppb	-0.06
178) Naphthalene-d8a	5.86	136	586129	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	294666	50.00	ppb	-0.02
Spiked Amount 50.000			Recovery =	100.00%		
8) Phenol-d5	4.65	99	371948	50.00	ppb	-0.03
Spiked Amount 50.000			Recovery =	100.00%		
25) Nitrobenzene-d5	5.33	82	295006	50.00	ppb	-0.03
Spiked Amount 50.000			Recovery =	100.00%		
51) 2-Fluorobiphenyl	6.69	172	565355	50.00	ppb	-0.03
Spiked Amount 50.000			Recovery =	100.00%		
73) 2,4,6-Tribromophenol	8.28	330	70623	50.00	ppb	-0.04
Spiked Amount 50.000			Recovery =	100.00%		
85) Terphenyl-d14	12.43	244	600118	50.00	ppb	-0.06
Spiked Amount 50.000			Recovery =	100.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	137324	50.00	ppb	100
3) Pyridine	2.84	79	344147	50.00	ppb	100
4) N-Nitrosodimethylamine	2.81	42	137616	50.00	ppb	100
6) Indene	5.12	116	500015	50.00	ppb	100
7) Cumene	4.34	105	697857	50.00	ppb	100
9) Phenol	4.66	94	386361	50.00	ppb	100
10) Aniline	4.69	93	481146	50.00	ppb	100
11) bis(2-Chloroethyl)ether	4.73	93	270940	50.00	ppb	100
12) 2-Chlorophenol	4.78	128	314727	50.00	ppb	100
13) Decane	4.81	43	297652	50.00	ppb	100
14) 1,3-Dichlorobenzene	4.89	146	339909	50.00	ppb	100
15) 1,4-Dichlorobenzene	4.94	146	335719	50.00	ppb	100
16) Benzyl alcohol	5.03	108	215129	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35906.D Vial: 2
Acq On : 11 Jun 2014 8:36 pm Operator: ashleyd
Sample : icc5692-50 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:19:06 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
17)	1,2-Dichlorobenzene	5.06	146	309962	50.00	ppb	100
18)	Acetophenone	5.22	105	390997	50.00	ppb	100
19)	2-Methylphenol	5.11	108	285247	50.00	ppb	100
20)	2,2'-oxybis(1-Chloropropan	5.12	121	93159	50.00	ppb	100
21)	3&4-Methylphenol	5.21	108	292860	50.00	ppb	100
22)	n-Nitroso-di-n-propylamine	5.22	70	192319	50.00	ppb	100
23)	Hexachloroethane	5.31	201	111174	50.00	ppb	100
26)	Nitrobenzene	5.35	77	309855	50.00	ppb	100
27)	Quinoline	6.11	129	609095	50.00	ppb	100
28)	Isophorone	5.51	82	541063	50.00	ppb	100
29)	2-Nitrophenol	5.58	139	164434	50.00	ppb	100
30)	2,4-Dimethylphenol	5.60	107	280496	50.00	ppb	100
31)	Benzoic acid	5.67	105	195433	50.00	ppb	100
32)	bis(2-Chloroethoxy)methane	5.66	93	311792	50.00	ppb	100
33)	2,4-Dichlorophenol	5.75	162	241160	50.00	ppb	100
34)	2,6-Dichlorophenol	5.91	162	233363	50.00	ppb	100
35)	1,3,5-Trichlorobenzene	5.59	180	267022	50.00	ppb	100
36)	1,2,4-Trichlorobenzene	5.81	180	255210	50.00	ppb	100
37)	1,2,3-Trichlorobenzene	5.97	180	250141	50.00	ppb	100
38)	Naphthalene	5.87	128	825749	50.00	ppb	100
39)	4-Chloroaniline	5.90	127	376191	50.00	ppb	100
40)	2,3-Dichloroaniline	6.62	161	287603	50.00	ppb	100
41)	Caprolactam	6.17	55	145186	50.00	ppb	100
42)	Hexachlorobutadiene	5.96	225	133913	50.00	ppb	100
43)	4-Chloro-3-methylphenol	6.26	107	247793	50.00	ppb	100
44)	2-Methylnaphthalene	6.39	141	484146	50.00	ppb	100
45)	1-Methylnaphthalene	6.47	142	563571	50.00	ppb	100
46)	Dimethylnaphthalene	6.92	156	508039	50.00	ppb	100
48)	Hexachlorocyclopentadiene	6.52	237	280379	100.00	ppb	100
49)	2,4,6-Trichlorophenol	6.62	196	161909	50.00	ppb	100
50)	2,4,5-Trichlorophenol	6.65	196	173619	50.00	ppb	100
52)	2-Chloronaphthalene	6.80	162	508917	50.00	ppb	100
53)	Biphenyl	6.78	154	685274	50.00	ppb	100
54)	2-Nitroaniline	6.89	65	159661	50.00	ppb	100
55)	Dimethylphthalate	7.05	163	542239	50.00	ppb	100
56)	Acenaphthylene	7.20	152	835715	50.00	ppb	100
57)	2,6-Dinitrotoluene	7.11	165	135337	50.00	ppb	100
58)	3-Nitroaniline	7.28	138	166453	50.00	ppb	100
59)	Acenaphthene	7.38	153	514029	50.00	ppb	100
60)	2,4-Dinitrophenol	7.39	184	142740	100.00	ppb	100
61)	4-Nitrophenol	7.45	109	78301	50.00	ppb	100
62)	Dibenzofuran	7.57	168	713743	50.00	ppb	100
63)	2,4-Dinitrotoluene	7.53	165	181926	50.00	ppb	100
64)	2,3,4,6-Tetrachlorophenol	7.70	232	142634	50.00	ppb	100
65)	Diethylphthalate	7.82	149	545600	50.00	ppb	100
66)	Fluorene	7.97	166	568828	50.00	ppb	100
67)	4-Chlorophenyl-phenylether	7.97	204	259630	50.00	ppb	100
68)	4-Nitroaniline	7.99	138	162730	50.00	ppb	100
70)	4,6-Dinitro-2-methylphenol	8.02	198	103308	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35906.D Vial: 2
Acq On : 11 Jun 2014 8:36 pm Operator: ashleyd
Sample : icc5692-50 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:19:06 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

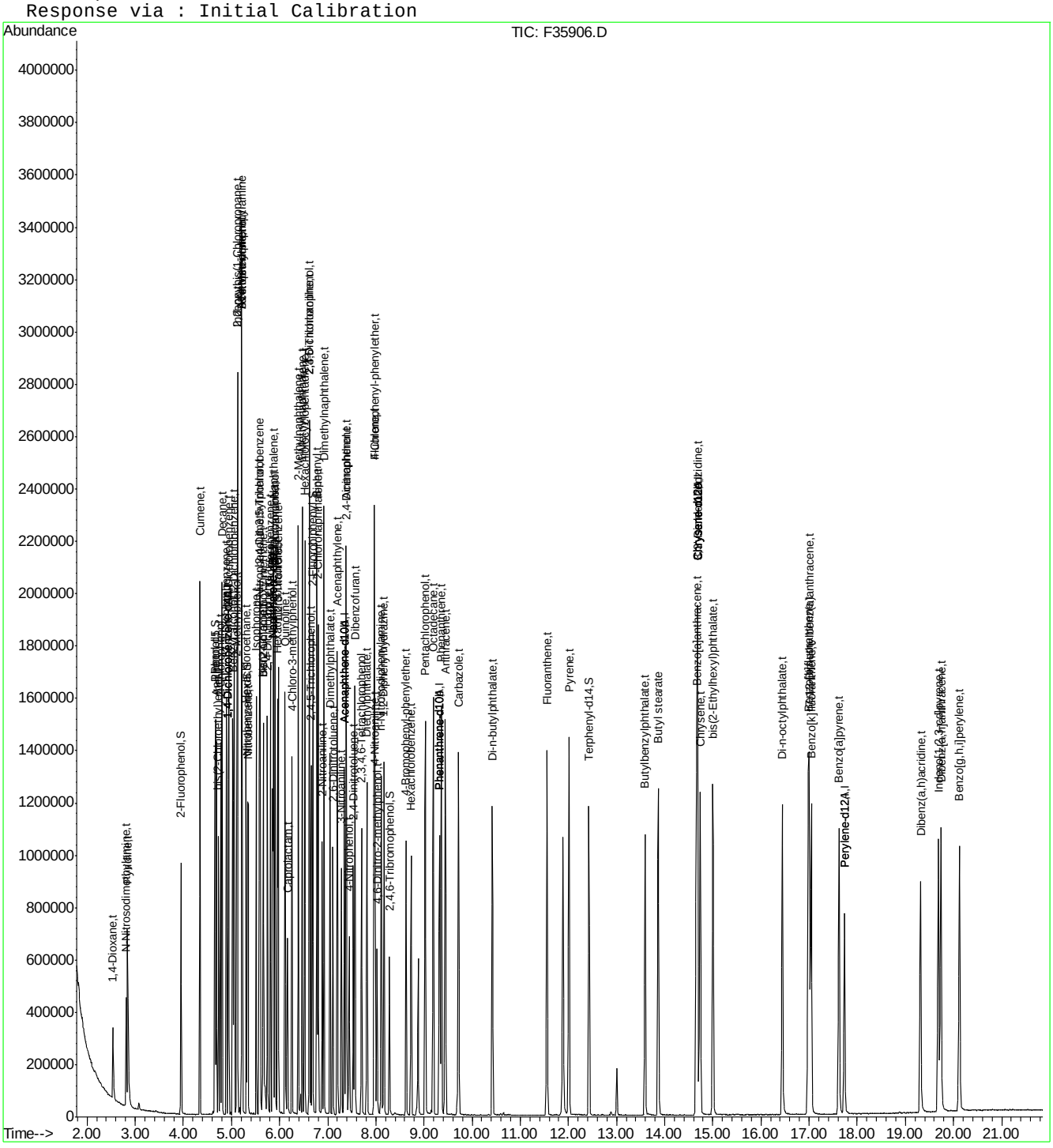
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.12	169	393671	50.00	ppb	100
72)	1,2-Diphenylhydrazine	8.17	77	599475	50.00	ppb	100
74)	4-Bromophenyl-phenylether	8.63	248	150105	50.00	ppb	100
75)	Hexachlorobenzene	8.74	284	160498	50.00	ppb	100
76)	Pentachlorophenol	9.02	266	206220	100.00	ppb	100
77)	Phenanthrene	9.36	178	807808	50.00	ppb	100
78)	Anthracene	9.44	178	834825	50.00	ppb	100
79)	Carbazole	9.72	167	808116	50.00	ppb	100
80)	Di-n-butylphthalate	10.42	149	922911	50.00	ppb	100
81)	Fluoranthene	11.56	202	884105	50.00	ppb	100
82)	Octadecane	9.19	57	405451	50.00	ppb	100
84)	Pyrene	12.02	202	923526	50.00	ppb	100
86)	Butylbenzylphthalate	13.59	149	412912	50.00	ppb	100
87)	Butyl stearate	13.86	56	289281	50.00	ppb	100
88)	Benzo[a]anthracene	14.66	228	788500	50.00	ppb	100
89)	3,3'-Dichlorobenzidine	14.69	252	294821	50.00	ppb	100
90)	Chrysene	14.74	228	736255	50.00	ppb	100
91)	bis(2-Ethylhexyl)phthalate	15.00	149	565823	50.00	ppb	100
93)	Di-n-octylphthalate	16.44	149	925562	50.00	ppb	100
94)	Benzo[b]fluoranthene	16.98	252	812148	50.00	ppb	100
95)	Benzo[k]fluoranthene	17.05	252	762225	50.00	ppb	100
96)	Benzo[a]pyrene	17.62	252	714477	50.00	ppb	100
97)	Indeno[1,2,3-cd]pyrene	19.69	276	673933	50.00	ppb	100
98)	Dibenz(a,h)acridine	19.32	279	617189	50.00	ppb	100
99)	Dibenz[a,h]anthracene	19.74	278	671234	50.00	ppb	100
100)	7,12-Dimethylbenz(a)anthra	17.00	256	386362	50.00	ppb	100
101)	Benzo[g,h,i]perylene	20.12	276	676927	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35906.D Vial: 2
Acq On : 11 Jun 2014 8:36 pm Operator: ashleyd
Sample : icc5692-50 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:20 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35907.D Vial: 3
Acq On : 11 Jun 2014 9:05 pm Operator: ashleyd
Sample : ic5692-25 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:20:44 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	188494	40.00	ppb	-0.03
24) Naphthalene-d8	5.85	136	682434	40.00	ppb	-0.03
47) Acenaphthene-d10	7.34	164	398533	40.00	ppb	-0.04
69) Phenanthrene-d10	9.32	188	639939	40.00	ppb	-0.05
83) Chrysene-d12	14.68	240	578687	40.00	ppb	-0.07
92) Perylene-d12	17.73	264	452056	40.00	ppb	-0.08
102) 1,4-Dichlorobenzene-d4A	4.93	152	188494	40.00	ppb	-0.03
112) Naphthalene-d8A	5.85	136	682434	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.34	164	398533	40.00	ppb	-0.04
132) Phenanthrene-d10A	9.32	188	639939	40.00	ppb	-0.05
147) Chrysene-d12A	14.68	240	578687	40.00	ppb	-0.07
155) Perylene-d12A	17.73	264	452056	40.00	ppb	-0.08
159) 1,4-Dichlorobenzene-d4b	4.93	152	188494	40.00	ppb	-0.03
161) Naphthalene-d8b	5.85	136	682434	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.34	164	398533	40.00	ppb	-0.04
165) Phenanthrene-d10b	9.32	188	639939	40.00	ppb	-0.05
167) Chrysene-d12b	14.68	240	578687	40.00	ppb	-0.07
169) 1,4-Dichlorobenzene-d4c	4.93	152	188494	40.00	ppb	-0.03
171) Naphthalene-d8c	5.85	136	682434	40.00	ppb	-0.03
176) Chrysene-d12c	14.68	240	578687	40.00	ppb	-0.07
178) Naphthalene-d8a	5.85	136	682434	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	174449	25.30	ppb	-0.03
Spiked Amount 50.000			Recovery = 50.60%			
8) Phenol-d5	4.65	99	222178	25.53	ppb	-0.03
Spiked Amount 50.000			Recovery = 51.06%			
25) Nitrobenzene-d5	5.33	82	176759	25.73	ppb	-0.03
Spiked Amount 50.000			Recovery = 51.46%			
51) 2-Fluorobiphenyl	6.68	172	343149	25.36	ppb	-0.03
Spiked Amount 50.000			Recovery = 50.72%			
73) 2,4,6-Tribromophenol	8.28	330	38952	23.35	ppb	-0.05
Spiked Amount 50.000			Recovery = 46.70%			
85) Terphenyl-d14	12.42	244	340129	25.21	ppb	-0.06
Spiked Amount 50.000			Recovery = 50.42%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	86123	26.80	ppb	95
3) Pyridine	2.85	79	197788	24.56	ppb	97
4) N-Nitrosodimethylamine	2.82	42	85852	26.66	ppb	94
6) Indene	5.12	116	312666	26.73	ppb	98
7) Cumene	4.34	105	429812	26.32	ppb	98
9) Phenol	4.66	94	234660	25.96	ppb	97
10) Aniline	4.69	93	293469	26.07	ppb	99
11) bis(2-Chloroethyl)ether	4.73	93	165522	26.11	ppb	99
12) 2-Chlorophenol	4.78	128	187929	25.52	ppb	95
13) Decane	4.81	43	192524	27.64	ppb	97
14) 1,3-Dichlorobenzene	4.89	146	205493	25.84	ppb	98
15) 1,4-Dichlorobenzene	4.94	146	202043	25.72	ppb	100
16) Benzyl alcohol	5.02	108	128067	25.44	ppb	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35907.D Vial: 3
Acq On : 11 Jun 2014 9:05 pm Operator: ashleyd
Sample : ic5692-25 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:20:44 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.05	146	191593	26.42	ppb		97
18)	Acetophenone	5.22	105	242888	26.55	ppb		95
19)	2-Methylphenol	5.10	108	170712	25.58	ppb		100
20)	2,2'-oxybis(1-Chloropropan	5.12	121	57175	26.23	ppb		88
21)	3&4-Methylphenol	5.21	108	179233	26.16	ppb		96
22)	n-Nitroso-di-n-propylamine	5.21	70	120298	26.73	ppb		94
23)	Hexachloroethane	5.31	201	65018	25.00	ppb		97
26)	Nitrobenzene	5.34	77	188922	26.18	ppb		94
27)	Quinoline	6.11	129	363736	25.65	ppb		99
28)	Isophorone	5.51	82	333254	26.45	ppb		97
29)	2-Nitrophenol	5.57	139	95783	25.01	ppb		81
30)	2,4-Dimethylphenol	5.59	107	169062	25.88	ppb		99
31)	Benzoic acid	5.65	105	87809	19.29	ppb		96
32)	bis(2-Chloroethoxy)methane	5.66	93	189625	26.12	ppb		98
33)	2,4-Dichlorophenol	5.74	162	144090	25.66	ppb		97
34)	2,6-Dichlorophenol	5.91	162	138752	25.53	ppb		99
35)	1,3,5-Trichlorobenzene	5.58	180	162133	26.08	ppb		98
36)	1,2,4-Trichlorobenzene	5.81	180	154797	26.05	ppb		97
37)	1,2,3-Trichlorobenzene	5.97	180	150517	25.84	ppb		98
38)	Naphthalene	5.87	128	515681	26.82	ppb		96
39)	4-Chloroaniline	5.90	127	227672	25.99	ppb		98
40)	2,3-Dichloroaniline	6.61	161	175948	26.27	ppb		98
41)	Caprolactam	6.15	55	83919	24.82	ppb		97
42)	Hexachlorobutadiene	5.96	225	78925	25.31	ppb		99
43)	4-Chloro-3-methylphenol	6.25	107	149396	25.89	ppb	#	27
44)	2-Methylnaphthalene	6.38	141	300489	26.65	ppb		98
45)	1-Methylnaphthalene	6.47	142	343348	26.16	ppb		99
46)	Dimethylnaphthalene	6.92	156	309249	26.14	ppb		99
48)	Hexachlorocyclopentadiene	6.52	237	159924	47.66	ppb		99
49)	2,4,6-Trichlorophenol	6.61	196	96169	24.81	ppb		98
50)	2,4,5-Trichlorophenol	6.65	196	99920	24.04	ppb		98
52)	2-Chloronaphthalene	6.80	162	309514	25.41	ppb		97
53)	Biphenyl	6.77	154	421683	25.71	ppb		99
54)	2-Nitroaniline	6.88	65	93212	24.39	ppb		98
55)	Dimethylphthalate	7.04	163	326483	25.15	ppb		99
56)	Acenaphthylene	7.20	152	509758	25.48	ppb		100
57)	2,6-Dinitrotoluene	7.11	165	77775	24.01	ppb		92
58)	3-Nitroaniline	7.28	138	95218	23.90	ppb		97
59)	Acenaphthene	7.37	153	316691	25.74	ppb		98
60)	2,4-Dinitrophenol	7.38	184	68869	40.31	ppb	#	36
61)	4-Nitrophenol	7.44	109	41684	22.24	ppb		92
62)	Dibenzofuran	7.56	168	437540	25.61	ppb		99
63)	2,4-Dinitrotoluene	7.53	165	104596	24.02	ppb		89
64)	2,3,4,6-Tetrachlorophenol	7.70	232	79561	23.30	ppb		99
65)	Diethylphthalate	7.81	149	325338	24.91	ppb		100
66)	Fluorene	7.97	166	348012	25.56	ppb		98
67)	4-Chlorophenyl-phenylether	7.96	204	155161	24.97	ppb		99
68)	4-Nitroaniline	7.98	138	93279	23.95	ppb		100
70)	4,6-Dinitro-2-methylphenol	8.02	198	51507	21.11	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35907.D Vial: 3
Acq On : 11 Jun 2014 9:05 pm Operator: ashleyd
Sample : ic5692-25 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:20:44 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

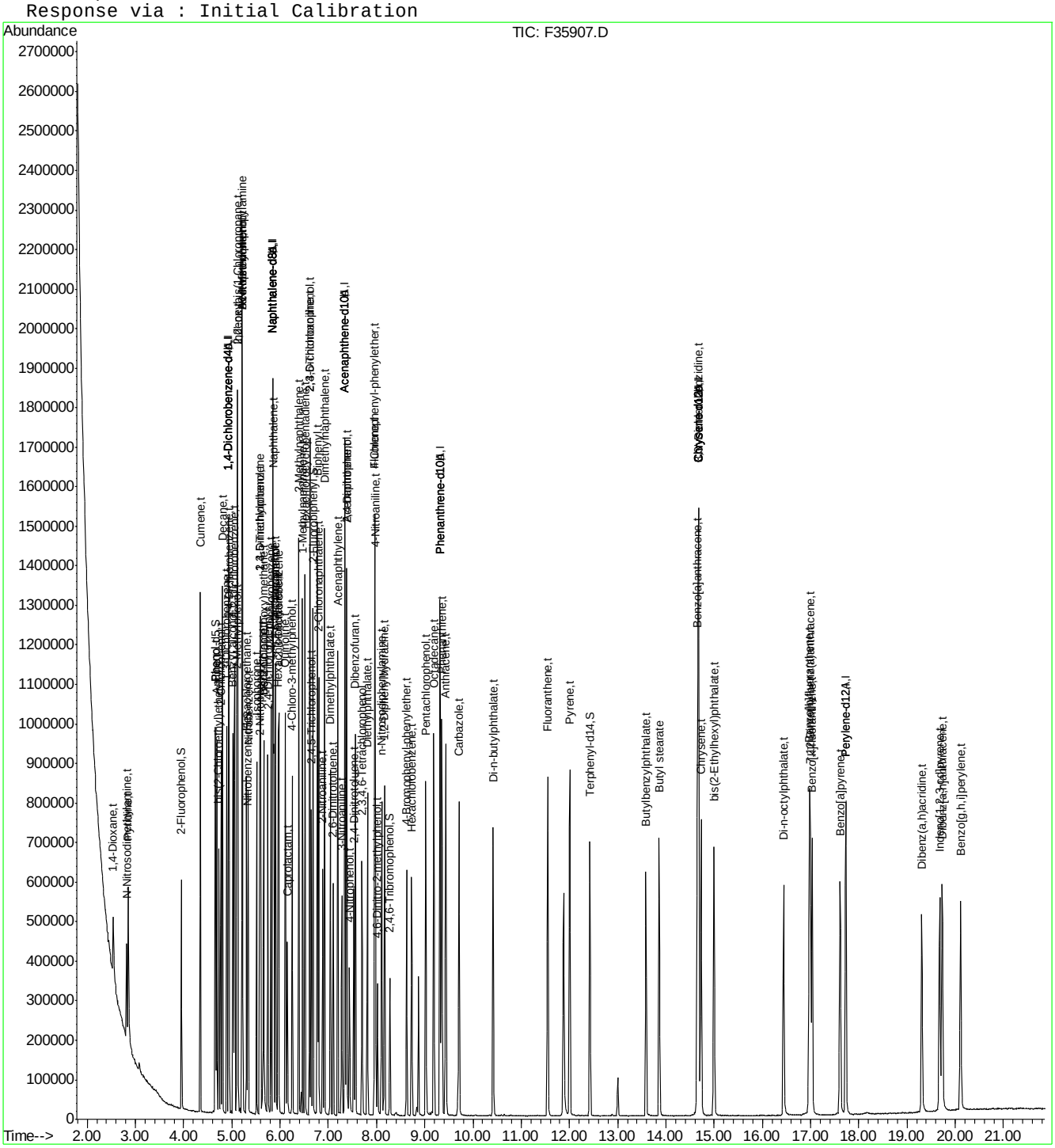
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.11	169	233147	25.07 ppb	97
72)	1,2-Diphenylhydrazine	8.16	77	364645	25.75 ppb	99
74)	4-Bromophenyl-phenylether	8.62	248	86667	24.44 ppb	99
75)	Hexachlorobenzene	8.73	284	93188	24.58 ppb	99
76)	Pentachlorophenol	9.02	266	108037	44.36 ppb	99
77)	Phenanthrene	9.36	178	488834	25.62 ppb	99
78)	Anthracene	9.44	178	501874	25.45 ppb	99
79)	Carbazole	9.71	167	467713	24.50 ppb	99
80)	Di-n-butylphthalate	10.42	149	540292	24.78 ppb	99
81)	Fluoranthene	11.55	202	505513	24.20 ppb	99
82)	Octadecane	9.18	57	246095	25.69 ppb	98
84)	Pyrene	12.00	202	538033	25.91 ppb	99
86)	Butylbenzylphthalate	13.59	149	223882	24.11 ppb	99
87)	Butyl stearate	13.86	56	159668	24.55 ppb	98
88)	Benzo[a]anthracene	14.65	228	439412	24.78 ppb	100
89)	3,3'-Dichlorobenzidine	14.68	252	155766	23.50 ppb	99
90)	Chrysene	14.73	228	417379	25.21 ppb	99
91)	bis(2-Ethylhexyl)phthalate	15.00	149	304227	23.91 ppb	99
93)	Di-n-octylphthalate	16.44	149	490437	24.71 ppb	99
94)	Benzo[b]fluoranthene	16.97	252	438294	25.16 ppb	99
95)	Benzo[k]fluoranthene	17.03	252	415013	25.39 ppb	98
96)	Benzo[a]pyrene	17.61	252	372023	24.28 ppb	98
97)	Indeno[1,2,3-cd]pyrene	19.68	276	335877	23.24 ppb	100
98)	Dibenz(a,h)acridine	19.30	279	311895	23.56 ppb	99
99)	Dibenz[a,h]anthracene	19.73	278	348815	24.23 ppb	99
100)	7,12-Dimethylbenz(a)anthra	16.99	256	207255	25.01 ppb	99
101)	Benzo[g,h,i]perylene	20.11	276	354208	24.40 ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35907.D Vial: 3
Acq On : 11 Jun 2014 9:05 pm Operator: ashleyd
Sample : ic5692-25 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:22 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35908.D Vial: 4
Acq On : 11 Jun 2014 9:35 pm Operator: ashleyd
Sample : ic5692-100 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:22:33 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	157675	40.00	ppb	-0.03
24) Naphthalene-d8	5.86	136	568421	40.00	ppb	-0.03
47) Acenaphthene-d10	7.35	164	320504	40.00	ppb	-0.03
69) Phenanthrene-d10	9.32	188	521946	40.00	ppb	-0.05
83) Chrysene-d12	14.69	240	493517	40.00	ppb	-0.06
92) Perylene-d12	17.74	264	413996	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4A	4.93	152	157675	40.00	ppb	-0.03
112) Naphthalene-d8A	5.86	136	568421	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.35	164	320504	40.00	ppb	-0.03
132) Phenanthrene-d10A	9.32	188	521946	40.00	ppb	-0.05
147) Chrysene-d12A	14.69	240	493517	40.00	ppb	-0.06
155) Perylene-d12A	17.74	264	413996	40.00	ppb	-0.07
159) 1,4-Dichlorobenzene-d4b	4.93	152	157675	40.00	ppb	-0.03
161) Naphthalene-d8b	5.86	136	568421	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.35	164	320504	40.00	ppb	-0.03
165) Phenanthrene-d10b	9.32	188	521946	40.00	ppb	-0.05
167) Chrysene-d12b	14.69	240	493517	40.00	ppb	-0.06
169) 1,4-Dichlorobenzene-d4c	4.93	152	157675	40.00	ppb	-0.03
171) Naphthalene-d8c	5.86	136	568421	40.00	ppb	-0.03
176) Chrysene-d12c	14.69	240	493517	40.00	ppb	-0.06
178) Naphthalene-d8a	5.86	136	568421	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	535789	92.90	ppb	-0.02
Spiked Amount 50.000			Recovery = 185.80%			
8) Phenol-d5	4.66	99	667014	91.63	ppb	-0.02
Spiked Amount 50.000			Recovery = 183.26%			
25) Nitrobenzene-d5	5.33	82	525997	91.93	ppb	-0.03
Spiked Amount 50.000			Recovery = 183.86%			
51) 2-Fluorobiphenyl	6.69	172	968359	88.98	ppb	-0.03
Spiked Amount 50.000			Recovery = 177.96%			
73) 2,4,6-Tribromophenol	8.29	330	121432	89.24	ppb	-0.04
Spiked Amount 50.000			Recovery = 178.48%			
85) Terphenyl-d14	12.43	244	1055470	91.72	ppb	-0.06
Spiked Amount 50.000			Recovery = 183.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.53	88	248222	92.36	ppb	99
3) Pyridine	2.84	79	626563	93.02	ppb	99
4) N-Nitrosodimethylamine	2.81	42	246348	91.46	ppb	99
6) Indene	5.12	116	862196	88.10	ppb	99
7) Cumene	4.34	105	1201289	87.95	ppb	99
9) Phenol	4.67	94	735859	97.31	ppb	86
10) Aniline	4.69	93	850744	90.34	ppb	99
11) bis(2-Chloroethyl)ether	4.73	93	492150	92.81	ppb	96
12) 2-Chlorophenol	4.78	128	557466	90.50	ppb	97
13) Decane	4.81	43	500989	86.00	ppb	98
14) 1,3-Dichlorobenzene	4.89	146	599759	90.15	ppb	99
15) 1,4-Dichlorobenzene	4.94	146	591934	90.09	ppb	98
16) Benzyl alcohol	5.03	108	390316	92.70	ppb	97

(#) = qualifier out of range (m) = manual integration
F35908.D MF5692.M Thu Jun 12 08:51:13 2014 RT1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35908.D Vial: 4
Acq On : 11 Jun 2014 9:35 pm Operator: ashleyd
Sample : ic5692-100 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:22:33 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.06	146	542464	89.42	ppb		98
18)	Acetophenone	5.23	105	667552	87.23	ppb		95
19)	2-Methylphenol	5.11	108	507552	90.91	ppb		98
20)	2,2'-oxybis(1-Chloropropan	5.12	121	165794	90.93	ppb	#	80
21)	3&4-Methylphenol	5.21	108	511631	89.26	ppb		100
22)	n-Nitroso-di-n-propylamine	5.22	70	323611	85.97	ppb		99
23)	Hexachloroethane	5.31	201	196796	90.44	ppb		99
26)	Nitrobenzene	5.35	77	546349	90.91	ppb		97
27)	Quinoline	6.12	129	1087837	92.08	ppb		99
28)	Isophorone	5.52	82	949739	90.50	ppb		98
29)	2-Nitrophenol	5.58	139	292366	91.67	ppb		84
30)	2,4-Dimethylphenol	5.60	107	498574	91.64	ppb		98
31)	Benzoic acid	5.69	105	409384	108.00	ppb		99
32)	bis(2-Chloroethoxy)methane	5.66	93	554761	91.73	ppb		99
33)	2,4-Dichlorophenol	5.75	162	427165	91.32	ppb		98
34)	2,6-Dichlorophenol	5.91	162	407654	90.06	ppb		98
35)	1,3,5-Trichlorobenzene	5.59	180	457413	88.32	ppb		98
36)	1,2,4-Trichlorobenzene	5.81	180	448692	90.64	ppb		99
37)	1,2,3-Trichlorobenzene	5.97	180	433846	89.42	ppb		98
38)	Naphthalene	5.87	128	1407715	87.89	ppb		96
39)	4-Chloroaniline	5.90	127	656853	90.02	ppb		98
40)	2,3-Dichloroaniline	6.62	161	494577	88.66	ppb		97
41)	Caprolactam	6.18	55	269109	95.56	ppb		99
42)	Hexachlorobutadiene	5.96	225	233523	89.91	ppb		98
43)	4-Chloro-3-methylphenol	6.26	107	449673	93.56	ppb		94
44)	2-Methylnaphthalene	6.39	141	838722	89.32	ppb		98
45)	1-Methylnaphthalene	6.47	142	974530	89.15	ppb		98
46)	Dimethylnaphthalene	6.92	156	882529	89.56	ppb		99
48)	Hexachlorocyclopentadiene	6.52	237	501840	185.96	ppb		100
49)	2,4,6-Trichlorophenol	6.62	196	280023	89.85	ppb		98
50)	2,4,5-Trichlorophenol	6.66	196	304954	91.25	ppb		98
52)	2-Chloronaphthalene	6.81	162	879700	89.80	ppb		98
53)	Biphenyl	6.78	154	1173254	88.94	ppb		99
54)	2-Nitroaniline	6.89	65	294878	95.94	ppb		95
55)	Dimethylphthalate	7.05	163	949233	90.94	ppb		99
56)	Acenaphthylene	7.20	152	1440910	89.57	ppb		99
57)	2,6-Dinitrotoluene	7.11	165	246784	94.73	ppb		97
58)	3-Nitroaniline	7.29	138	298279	93.09	ppb		99
59)	Acenaphthene	7.38	153	902287	91.19	ppb		99
60)	2,4-Dinitrophenol	7.39	184	283821	206.59	ppb	#	59
61)	4-Nitrophenol	7.45	109	146839	97.42	ppb		97
62)	Dibenzofuran	7.57	168	1225067	89.16	ppb		100
63)	2,4-Dinitrotoluene	7.54	165	328202	93.72	ppb		100
64)	2,3,4,6-Tetrachlorophenol	7.70	232	248766	90.60	ppb		95
65)	Diethylphthalate	7.82	149	956901	91.11	ppb		99
66)	Fluorene	7.98	166	998568	91.19	ppb		100
67)	4-Chlorophenyl-phenylether	7.97	204	452513	90.54	ppb		98
68)	4-Nitroaniline	8.00	138	306237	97.76	ppb		99
70)	4,6-Dinitro-2-methylphenol	8.04	198	196735	98.84	ppb		93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35908.D Vial: 4
Acq On : 11 Jun 2014 9:35 pm Operator: ashleyd
Sample : ic5692-100 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:22:33 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

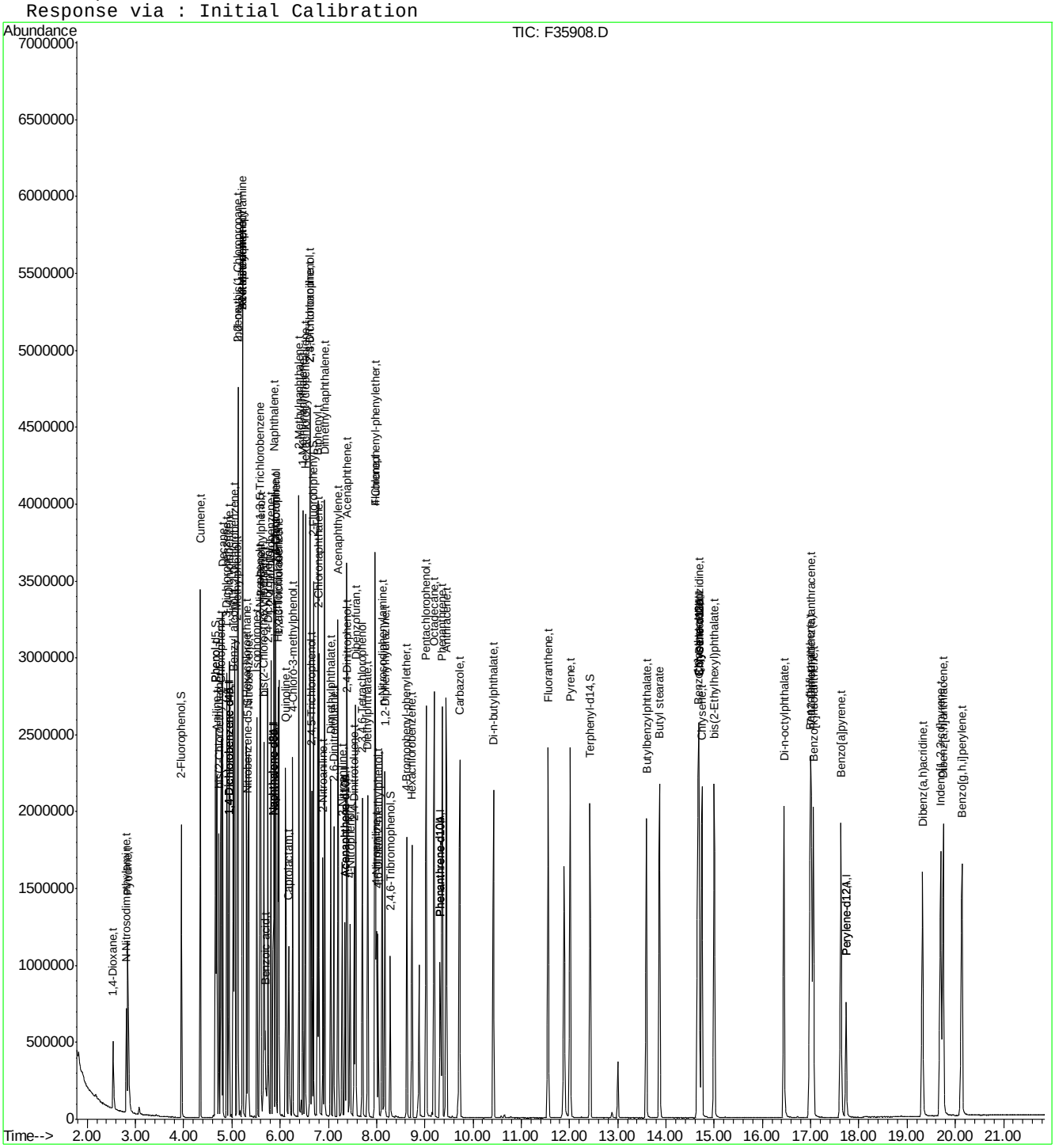
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.12	169	696378	91.81	ppb	99
72)	1,2-Diphenylhydrazine	8.17	77	1057422	91.55	ppb	95
74)	4-Bromophenyl-phenylether	8.63	248	263898	91.25	ppb	99
75)	Hexachlorobenzene	8.74	284	276555	89.43	ppb	98
76)	Pentachlorophenol	9.03	266	367539	185.01	ppb	99
77)	Phenanthrene	9.36	178	1424136	91.50	ppb	98
78)	Anthracene	9.45	178	1437489	89.37	ppb	98
79)	Carbazole	9.72	167	1437470	92.32	ppb	100
80)	Di-n-butylphthalate	10.42	149	1652891	92.95	ppb	98
81)	Fluoranthene	11.56	202	1564786	91.86	ppb	99
82)	Octadecane	9.19	57	718537	91.98	ppb	97
84)	Pyrene	12.02	202	1633557	92.24	ppb	98
86)	Butylbenzylphthalate	13.60	149	764437	96.54	ppb	98
87)	Butyl stearate	13.87	56	529532	95.46	ppb	96
88)	Benzo[a]anthracene	14.67	228	1412457	93.41	ppb	99
89)	3,3'-Dichlorobenzidine	14.69	252	522916	92.49	ppb	97
90)	Chrysene	14.75	228	1293188	91.59	ppb	99
91)	bis(2-Ethylhexyl)phthalate	15.00	149	1032781	95.18	ppb	99
93)	Di-n-octylphthalate	16.45	149	1723939	94.82	ppb	99
94)	Benzo[b]fluoranthene	16.99	252	1453855	91.14	ppb	99
95)	Benzo[k]fluoranthene	17.06	252	1369375	91.46	ppb	99
96)	Benzo[a]pyrene	17.63	252	1300760	92.69	ppb	98
97)	Indeno[1,2,3-cd]pyrene	19.70	276	1263808	95.47	ppb	97
98)	Dibenz(a,h)acridine	19.32	279	1148210	94.71	ppb	99
99)	Dibenz[a,h]anthracene	19.75	278	1263697	95.85	ppb	99
100)	7,12-Dimethylbenz(a)anthra	17.02	256	699697	92.20	ppb	100
101)	Benzo[g,h,i]perylene	20.14	276	1258202	94.63	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35908.D Vial: 4
Acq On : 11 Jun 2014 9:35 pm Operator: ashleyd
Sample : ic5692-100 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:23 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35909.D Vial: 5
Acq On : 11 Jun 2014 10:04 pm Operator: ashleyd
Sample : ic5692-80 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:24:14 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	183501	40.00	ppb	-0.03
24) Naphthalene-d8	5.86	136	656201	40.00	ppb	-0.03
47) Acenaphthene-d10	7.35	164	369423	40.00	ppb	-0.03
69) Phenanthrene-d10	9.32	188	595800	40.00	ppb	-0.05
83) Chrysene-d12	14.68	240	495225	40.00	ppb	-0.06
92) Perylene-d12	17.73	264	407040	40.00	ppb	-0.08
102) 1,4-Dichlorobenzene-d4A	4.93	152	183501	40.00	ppb	-0.03
112) Naphthalene-d8A	5.86	136	656201	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.35	164	369423	40.00	ppb	-0.03
132) Phenanthrene-d10A	9.32	188	595800	40.00	ppb	-0.05
147) Chrysene-d12A	14.68	240	495225	40.00	ppb	-0.06
155) Perylene-d12A	17.73	264	407040	40.00	ppb	-0.08
159) 1,4-Dichlorobenzene-d4b	4.93	152	183501	40.00	ppb	-0.03
161) Naphthalene-d8b	5.86	136	656201	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.35	164	369423	40.00	ppb	-0.03
165) Phenanthrene-d10b	9.32	188	595800	40.00	ppb	-0.05
167) Chrysene-d12b	14.68	240	495225	40.00	ppb	-0.06
169) 1,4-Dichlorobenzene-d4c	4.93	152	183501	40.00	ppb	-0.03
171) Naphthalene-d8c	5.86	136	656201	40.00	ppb	-0.03
176) Chrysene-d12c	14.68	240	495225	40.00	ppb	-0.06
178) Naphthalene-d8a	5.86	136	656201	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	525120	78.24	ppb	-0.02
Spiked Amount 50.000			Recovery = 156.48%			
8) Phenol-d5	4.66	99	654482	77.25	ppb	-0.02
Spiked Amount 50.000			Recovery = 154.50%			
25) Nitrobenzene-d5	5.33	82	513611	77.76	ppb	-0.03
Spiked Amount 50.000			Recovery = 155.52%			
51) 2-Fluorobiphenyl	6.69	172	943806	75.24	ppb	-0.03
Spiked Amount 50.000			Recovery = 150.48%			
73) 2,4,6-Tribromophenol	8.29	330	113741	73.23	ppb	-0.04
Spiked Amount 50.000			Recovery = 146.46%			
85) Terphenyl-d14	12.43	244	928252	80.38	ppb	-0.06
Spiked Amount 50.000			Recovery = 160.76%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	237083	75.80	ppb	97
3) Pyridine	2.85	79	602980	76.92	ppb	99
4) N-Nitrosodimethylamine	2.82	42	248075	79.14	ppb	95
6) Indene	5.12	116	852305	74.83	ppb	99
7) Cumene	4.34	105	1182606	74.40	ppb	99
9) Phenol	4.67	94	731927	83.17	ppb	85
10) Aniline	4.69	93	835479	76.23	ppb	99
11) bis(2-Chloroethyl)ether	4.73	93	481198	77.97	ppb	97
12) 2-Chlorophenol	4.78	128	541134	75.49	ppb	95
13) Decane	4.81	43	508295	74.97	ppb	98
14) 1,3-Dichlorobenzene	4.89	146	579507	74.85	ppb	98
15) 1,4-Dichlorobenzene	4.94	146	569697	74.50	ppb	98
16) Benzyl alcohol	5.03	108	381395	77.83	ppb	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35909.D Vial: 5
Acq On : 11 Jun 2014 10:04 pm Operator: ashleyd
Sample : ic5692-80 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:24:14 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.06	146	528937	74.92	ppb		99
18)	Acetophenone	5.23	105	668106	75.02	ppb		94
19)	2-Methylphenol	5.11	108	497389	76.55	ppb		98
20)	2,2'-oxybis(1-Chloropropan	5.12	121	163278	76.95	ppb	#	83
21)	3&4-Methylphenol	5.21	108	504090	75.57	ppb		100
22)	n-Nitroso-di-n-propylamine	5.22	70	322686	73.66	ppb		98
23)	Hexachloroethane	5.31	201	186705	73.73	ppb		100
26)	Nitrobenzene	5.35	77	539756	77.80	ppb		96
27)	Quinoline	6.12	129	1039547	76.22	ppb		99
28)	Isophorone	5.52	82	940185	77.61	ppb		99
29)	2-Nitrophenol	5.58	139	288185	78.27	ppb		92
30)	2,4-Dimethylphenol	5.60	107	486938	77.53	ppb		99
31)	Benzoic acid	5.69	105	356790	81.53	ppb		95
32)	bis(2-Chloroethoxy)methane	5.66	93	542591	77.72	ppb		100
33)	2,4-Dichlorophenol	5.75	162	415409	76.93	ppb		99
34)	2,6-Dichlorophenol	5.91	162	392425	75.10	ppb		99
35)	1,3,5-Trichlorobenzene	5.59	180	443952	74.25	ppb		99
36)	1,2,4-Trichlorobenzene	5.81	180	430521	75.34	ppb		99
37)	1,2,3-Trichlorobenzene	5.97	180	420850	75.14	ppb		99
38)	Naphthalene	5.87	128	1384720	74.89	ppb		97
39)	4-Chloroaniline	5.90	127	629037	74.68	ppb		97
40)	2,3-Dichloroaniline	6.62	161	479165	74.41	ppb		97
41)	Caprolactam	6.18	55	244734	75.28	ppb		96
42)	Hexachlorobutadiene	5.96	225	221208	73.77	ppb		98
43)	4-Chloro-3-methylphenol	6.26	107	433122	78.06	ppb		93
44)	2-Methylnaphthalene	6.39	141	822982	75.92	ppb		99
45)	1-Methylnaphthalene	6.47	142	950781	75.35	ppb		98
46)	Dimethylnaphthalene	6.92	156	851574	74.86	ppb		99
48)	Hexachlorocyclopentadiene	6.52	237	483751	155.52	ppb		99
49)	2,4,6-Trichlorophenol	6.62	196	271762	75.65	ppb		98
50)	2,4,5-Trichlorophenol	6.66	196	279633	72.59	ppb		96
52)	2-Chloronaphthalene	6.80	162	851030	75.37	ppb		98
53)	Biphenyl	6.78	154	1141062	75.05	ppb		98
54)	2-Nitroaniline	6.89	65	283853	80.13	ppb		94
55)	Dimethylphthalate	7.05	163	913677	75.94	ppb		99
56)	Acenaphthylene	7.20	152	1389434	74.93	ppb		98
57)	2,6-Dinitrotoluene	7.11	165	230560	76.78	ppb		97
58)	3-Nitroaniline	7.29	138	283440	76.75	ppb		99
59)	Acenaphthene	7.38	153	863419	75.70	ppb		98
60)	2,4-Dinitrophenol	7.39	184	250866	158.42	ppb	#	57
61)	4-Nitrophenol	7.45	109	135207	77.82	ppb		96
62)	Dibenzofuran	7.57	168	1178261	74.40	ppb		97
63)	2,4-Dinitrotoluene	7.54	165	308110	76.33	ppb		97
64)	2,3,4,6-Tetrachlorophenol	7.70	232	231067	73.01	ppb		96
65)	Diethylphthalate	7.82	149	909459	75.13	ppb		98
66)	Fluorene	7.98	166	960261	76.08	ppb		100
67)	4-Chlorophenyl-phenylether	7.97	204	429873	74.62	ppb		98
68)	4-Nitroaniline	8.00	138	277833	76.95	ppb		99
70)	4,6-Dinitro-2-methylphenol	8.03	198	173340	76.29	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35909.D Vial: 5
Acq On : 11 Jun 2014 10:04 pm Operator: ashleyd
Sample : ic5692-80 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:24:14 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

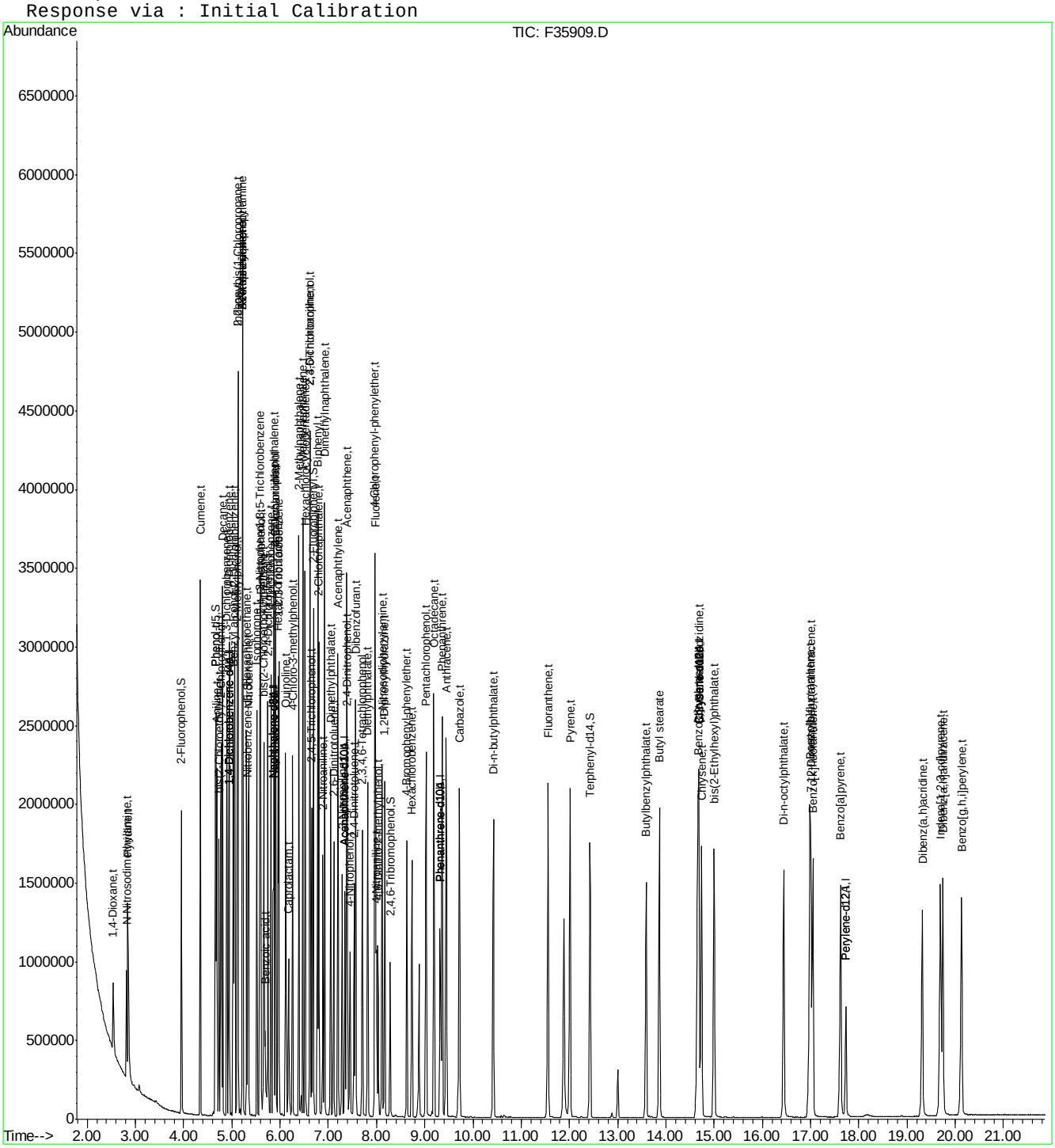
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.12	169	661900	76.45	ppb	98
72)	1,2-Diphenylhydrazine	8.17	77	1027139	77.91	ppb	99
74)	4-Bromophenyl-phenylether	8.63	248	245516	74.37	ppb	97
75)	Hexachlorobenzene	8.74	284	259686	73.57	ppb	98
76)	Pentachlorophenol	9.03	266	329986	145.51	ppb	98
77)	Phenanthrene	9.36	178	1337683	75.29	ppb	99
78)	Anthracene	9.45	178	1372285	74.74	ppb	99
79)	Carbazole	9.72	167	1311948	73.82	ppb	99
80)	Di-n-butylphthalate	10.42	149	1541020	75.92	ppb	99
81)	Fluoranthene	11.56	202	1408709	72.45	ppb	100
82)	Octadecane	9.19	57	695633	78.01	ppb	98
84)	Pyrene	12.02	202	1457359	82.01	ppb	99
86)	Butylbenzylphthalate	13.59	149	651236	81.96	ppb	99
87)	Butyl stearate	13.86	56	483279	86.82	ppb	98
88)	Benzo[a]anthracene	14.66	228	1193468	78.66	ppb	99
89)	3,3'-Dichlorobenzidine	14.68	252	430326	75.85	ppb	97
90)	Chrysene	14.74	228	1078685	76.14	ppb	99
91)	bis(2-Ethylhexyl)phthalate	15.00	149	888937	81.64	ppb	100
93)	Di-n-octylphthalate	16.44	149	1464325	81.92	ppb	100
94)	Benzo[b]fluoranthene	16.99	252	1287467	82.08	ppb	99
95)	Benzo[k]fluoranthene	17.05	252	1062754	72.20	ppb	99
96)	Benzo[a]pyrene	17.62	252	1077982	78.12	ppb	98
97)	Indeno[1,2,3-cd]pyrene	19.69	276	1055183	81.07	ppb	99
98)	Dibenz(a,h)acridine	19.32	279	948365	79.56	ppb	100
99)	Dibenz[a,h]anthracene	19.75	278	1058218	81.63	ppb	99
100)	7,12-Dimethylbenz(a)anthra	17.01	256	580441	77.79	ppb	99
101)	Benzo[g,h,i]perylene	20.13	276	1048831	80.23	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35909.D Vial: 5
Acq On : 11 Jun 2014 10:04 pm Operator: ashleyd
Sample : ic5692-80 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:25 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



F35909.D MF5692.M Thu Jun 12 08:51:21 2014 RT1 Page 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35910.D Vial: 6
Acq On : 11 Jun 2014 10:33 pm Operator: ashleyd
Sample : ic5692-10 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:25:59 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	166671	40.00	ppb	-0.03
24) Naphthalene-d8	5.85	136	608656	40.00	ppb	-0.03
47) Acenaphthene-d10	7.34	164	350911	40.00	ppb	-0.04
69) Phenanthrene-d10	9.31	188	574074	40.00	ppb	-0.05
83) Chrysene-d12	14.67	240	576371	40.00	ppb	-0.07
92) Perylene-d12	17.73	264	454616	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4A	4.93	152	166671	40.00	ppb	-0.03
112) Naphthalene-d8A	5.85	136	608656	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.34	164	350911	40.00	ppb	-0.04
132) Phenanthrene-d10A	9.31	188	574074	40.00	ppb	-0.05
147) Chrysene-d12A	14.67	240	576371	40.00	ppb	-0.07
155) Perylene-d12A	17.73	264	454616	40.00	ppb	-0.09
159) 1,4-Dichlorobenzene-d4b	4.93	152	166671	40.00	ppb	-0.03
161) Naphthalene-d8b	5.85	136	608656	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.34	164	350911	40.00	ppb	-0.04
165) Phenanthrene-d10b	9.31	188	574074	40.00	ppb	-0.05
167) Chrysene-d12b	14.67	240	576371	40.00	ppb	-0.07
169) 1,4-Dichlorobenzene-d4c	4.93	152	166671	40.00	ppb	-0.03
171) Naphthalene-d8c	5.85	136	608656	40.00	ppb	-0.03
176) Chrysene-d12c	14.67	240	576371	40.00	ppb	-0.07
178) Naphthalene-d8a	5.85	136	608656	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	62496	10.25	ppb	-0.03
Spiked Amount 50.000			Recovery =	20.50%		
8) Phenol-d5	4.65	99	78226	10.17	ppb	-0.03
Spiked Amount 50.000			Recovery =	20.34%		
25) Nitrobenzene-d5	5.33	82	68954	11.25	ppb	-0.03
Spiked Amount 50.000			Recovery =	22.50%		
51) 2-Fluorobiphenyl	6.68	172	127509	10.70	ppb	-0.03
Spiked Amount 50.000			Recovery =	21.40%		
73) 2,4,6-Tribromophenol	8.28	330	14556	9.73	ppb	-0.05
Spiked Amount 50.000			Recovery =	19.46%		
85) Terphenyl-d14	12.42	244	134866	10.03	ppb	-0.06
Spiked Amount 50.000			Recovery =	20.06%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	30414	10.71	ppb	99
3) Pyridine	2.85	79	71673	10.07	ppb	96
4) N-Nitrosodimethylamine	2.82	42	29493	10.36	ppb	95
6) Indene	5.12	116	114160	11.04	ppb	97
7) Cumene	4.34	105	156429	10.83	ppb	98
9) Phenol	4.66	94	82651	10.34	ppb	90
10) Aniline	4.69	93	104949	10.54	ppb	99
11) bis(2-Chloroethyl)ether	4.73	93	58893	10.51	ppb	98
12) 2-Chlorophenol	4.78	128	68954	10.59	ppb	97
13) Decane	4.81	43	70398	11.43	ppb	97
14) 1,3-Dichlorobenzene	4.89	146	75184	10.69	ppb	97
15) 1,4-Dichlorobenzene	4.94	146	74532	10.73	ppb	98
16) Benzyl alcohol	5.02	108	45891	10.31	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35910.D Vial: 6
Acq On : 11 Jun 2014 10:33 pm Operator: ashleyd
Sample : ic5692-10 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:25:59 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.05	146	70927	11.06	ppb		98
18)	Acetophenone	5.21	105	90644	11.21	ppb		97
19)	2-Methylphenol	5.10	108	60361	10.23	ppb		100
20)	2,2'-oxybis(1-Chloropropan	5.12	121	20403	10.59	ppb	#	69
21)	3&4-Methylphenol	5.21	108	63334	10.45	ppb		96
22)	n-Nitroso-di-n-propylamine	5.21	70	44717	11.24	ppb		97
23)	Hexachloroethane	5.31	201	23388	10.17	ppb		95
26)	Nitrobenzene	5.34	77	67176	10.44	ppb		96
27)	Quinoline	6.11	129	133242	10.53	ppb		99
28)	Isophorone	5.51	82	116678	10.38	ppb		99
29)	2-Nitrophenol	5.57	139	33553	9.82	ppb		91
30)	2,4-Dimethylphenol	5.59	107	62747	10.77	ppb		98
31)	Benzoic acid	5.64	105	25307	6.23	ppb		96
32)	bis(2-Chloroethoxy)methane	5.66	93	69641	10.75	ppb		97
33)	2,4-Dichlorophenol	5.74	162	52076	10.40	ppb		98
34)	2,6-Dichlorophenol	5.91	162	51851	10.70	ppb		97
35)	1,3,5-Trichlorobenzene	5.58	180	61323	11.06	ppb		99
36)	1,2,4-Trichlorobenzene	5.81	180	56933	10.74	ppb		98
37)	1,2,3-Trichlorobenzene	5.97	180	56120	10.80	ppb		98
38)	Naphthalene	5.87	128	191646	11.17	ppb		95
39)	4-Chloroaniline	5.90	127	84350	10.80	ppb		97
40)	2,3-Dichloroaniline	6.61	161	66891	11.20	ppb		99
41)	Caprolactam	6.13	55	28914	9.59	ppb		97
42)	Hexachlorobutadiene	5.96	225	28714	10.32	ppb		97
43)	4-Chloro-3-methylphenol	6.25	107	52055	10.11	ppb		94
44)	2-Methylnaphthalene	6.38	141	109933	10.93	ppb		99
45)	1-Methylnaphthalene	6.46	142	125572	10.73	ppb		99
46)	Dimethylnaphthalene	6.92	156	114132	10.82	ppb		99
48)	Hexachlorocyclopentadiene	6.52	237	55665	18.84	ppb		100
49)	2,4,6-Trichlorophenol	6.61	196	36151	10.59	ppb		96
50)	2,4,5-Trichlorophenol	6.65	196	37615	10.28	ppb		98
52)	2-Chloronaphthalene	6.80	162	118210	11.02	ppb		96
53)	Biphenyl	6.77	154	157061	10.87	ppb		99
54)	2-Nitroaniline	6.88	65	31716	9.43	ppb		95
55)	Dimethylphthalate	7.04	163	120652	10.56	ppb		99
56)	Acenaphthylene	7.20	152	186688	10.60	ppb		98
57)	2,6-Dinitrotoluene	7.10	165	27754	9.73	ppb		97
58)	3-Nitroaniline	7.28	138	33714	9.61	ppb		95
59)	Acenaphthene	7.37	153	117563	10.85	ppb		98
60)	2,4-Dinitrophenol	7.38	184	19122	12.71	ppb	#	79
61)	4-Nitrophenol	7.44	109	15650	9.48	ppb		96
62)	Dibenzofuran	7.56	168	164247	10.92	ppb		97
63)	2,4-Dinitrotoluene	7.53	165	37283	9.72	ppb		80
64)	2,3,4,6-Tetrachlorophenol	7.70	232	28937	9.63	ppb		99
65)	Diethylphthalate	7.81	149	119794	10.42	ppb		99
66)	Fluorene	7.97	166	129982	10.84	ppb		97
67)	4-Chlorophenyl-phenylether	7.96	204	58431	10.68	ppb		100
68)	4-Nitroaniline	7.97	138	35680	10.40	ppb		96
70)	4,6-Dinitro-2-methylphenol	8.01	198	16816	7.68	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35910.D Vial: 6
Acq On : 11 Jun 2014 10:33 pm Operator: ashleyd
Sample : ic5692-10 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:25:59 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:18:51 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

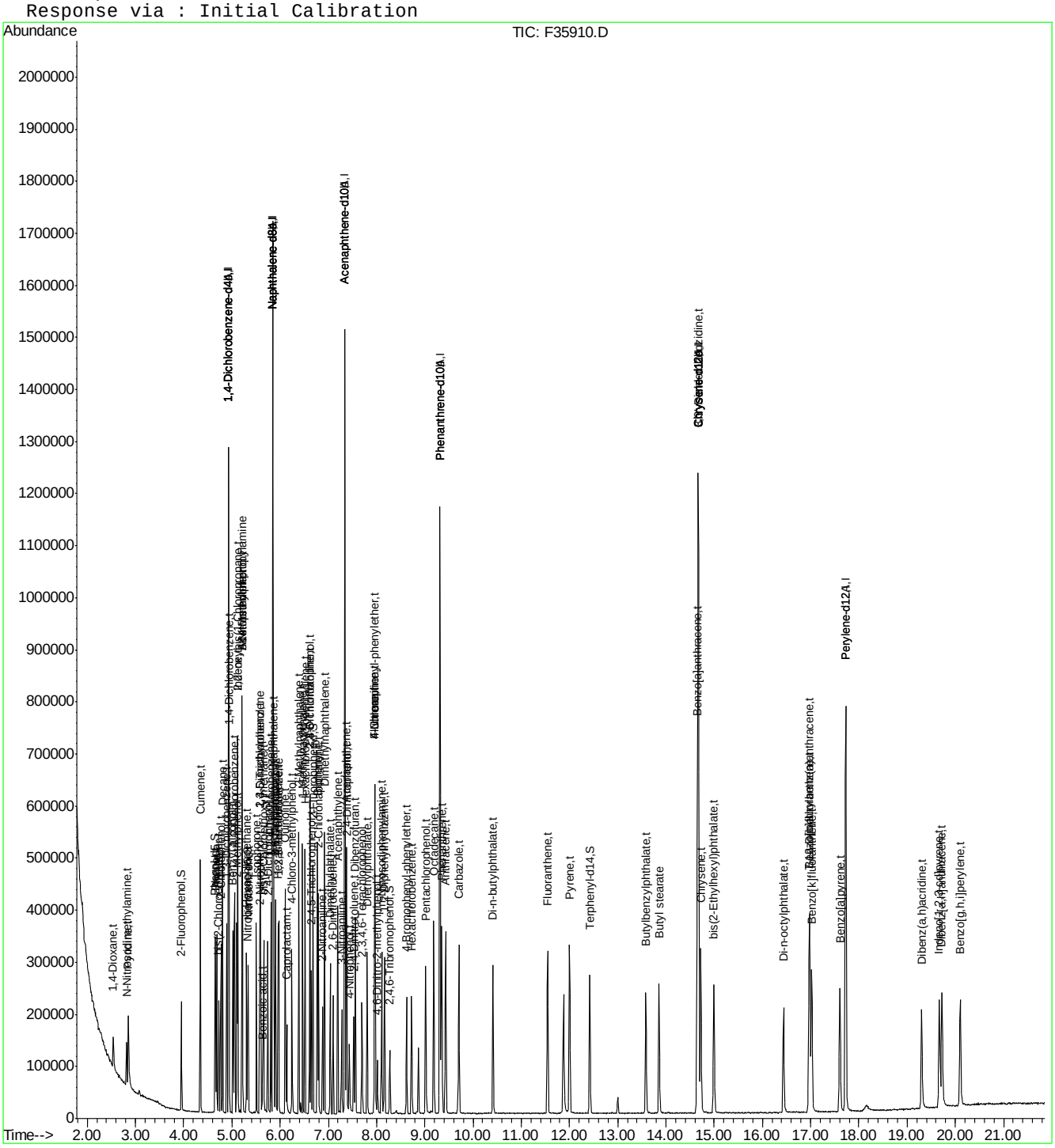
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.10	169	87105	10.44	ppb	99
72)	1,2-Diphenylhydrazine	8.16	77	131398	10.34	ppb	98
74)	4-Bromophenyl-phenylether	8.62	248	31922	10.04	ppb	97
75)	Hexachlorobenzene	8.72	284	36097	10.61	ppb	98
76)	Pentachlorophenol	9.02	266	40759	18.65	ppb	99
77)	Phenanthrene	9.35	178	183499	10.72	ppb	99
78)	Anthracene	9.44	178	184468	10.43	ppb	100
79)	Carbazole	9.71	167	184121	10.75	ppb	99
80)	Di-n-butylphthalate	10.41	149	195250	9.98	ppb	99
81)	Fluoranthene	11.55	202	196387	10.48	ppb	99
82)	Octadecane	9.18	57	85890	10.00	ppb	98
84)	Pyrene	12.00	202	212371	10.27	ppb	99
86)	Butylbenzylphthalate	13.59	149	85697	9.27	ppb	97
87)	Butyl stearate	13.86	56	55928	8.63	ppb	99
88)	Benzo[a]anthracene	14.65	228	184209	10.43	ppb	100
89)	3,3'-Dichlorobenzidine	14.67	252	63648	9.64	ppb	99
90)	Chrysene	14.72	228	176575	10.71	ppb	98
91)	bis(2-Ethylhexyl)phthalate	15.00	149	115511	9.12	ppb	99
93)	Di-n-octylphthalate	16.44	149	176869	8.86	ppb	99
94)	Benzo[b]fluoranthene	16.97	252	180221	10.29	ppb	99
95)	Benzo[k]fluoranthene	17.03	252	182503	11.10	ppb	98
96)	Benzo[a]pyrene	17.61	252	154581	10.03	ppb	99
97)	Indeno[1,2,3-cd]pyrene	19.67	276	136267	9.37	ppb	97
98)	Dibenz(a,h)acridine	19.30	279	125380	9.42	ppb	99
99)	Dibenz[a,h]anthracene	19.72	278	139590	9.64	ppb	98
100)	7,12-Dimethylbenz(a)anthra	16.98	256	85562	10.27	ppb	98
101)	Benzo[g,h,i]perylene	20.10	276	143236	9.81	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35910.D Vial: 6
Acq On : 11 Jun 2014 10:33 pm Operator: ashleyd
Sample : ic5692-10 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:28 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Olga Azarihn 06/12/14 13:56

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:42:03 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:42:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	184575	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	670411	40.00	ppb	0.00
47) Acenaphthene-d10	7.34	164	383948	40.00	ppb	0.00
69) Phenanthrene-d10	9.31	188	619445	40.00	ppb	-0.01
83) Chrysene-d12	14.67	240	591793	40.00	ppb	-0.01
92) Perylene-d12	17.73	264	472188	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	184575	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	670411	40.00	ppb	0.00
121) Acenaphthene-d10A	7.34	164	383948	40.00	ppb	0.00
132) Phenanthrene-d10A	9.31	188	619445	40.00	ppb	-0.01
147) Chrysene-d12A	14.67	240	591793	40.00	ppb	-0.01
155) Perylene-d12A	17.73	264	472188	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	184575	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	670411	40.00	ppb	0.00
163) Acenaphthene-d10b	7.34	164	383948	40.00	ppb	0.00
165) Phenanthrene-d10b	9.31	188	619445	40.00	ppb	-0.01
167) Chrysene-d12b	14.67	240	591793	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.93	152	184575	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	670411	40.00	ppb	0.00
176) Chrysene-d12c	14.67	240	591793	40.00	ppb	-0.01
178) Naphthalene-d8a	5.85	136	670411	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	34606	5.20	ppb	0.00
Spiked Amount 50.000			Recovery = 10.40%			
8) Phenol-d5	4.65	99	44464	5.33	ppb	0.00
Spiked Amount 50.000			Recovery = 10.66%			
25) Nitrobenzene-d5	5.33	82	40323	5.70	ppb	0.00
Spiked Amount 50.000			Recovery = 11.40%			
51) 2-Fluorobiphenyl	6.68	172	72650	5.43	ppb	0.00
Spiked Amount 50.000			Recovery = 10.86%			
73) 2,4,6-Tribromophenol	8.28	330	6816	4.90	ppb	0.00
Spiked Amount 50.000			Recovery = 9.80%			
85) Terphenyl-d14	12.42	244	70202	5.22	ppb	-0.01
Spiked Amount 50.000			Recovery = 10.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	14654m	4.46	ppb	
3) Pyridine	2.85	79	39934	5.14	ppb	98
4) N-Nitrosodimethylamine	2.82	42	17372	5.23	ppb	95
6) Indene	5.12	116	68022	5.65	ppb	95
7) Cumene	4.34	105	91847	5.54	ppb	95
9) Phenol	4.66	94	49052	5.36	ppb	94
10) Aniline	4.69	93	61461	5.48	ppb	97
11) bis(2-Chloroethyl)ether	4.73	93	35404	5.45	ppb	98
12) 2-Chlorophenol	4.78	128	38945	5.38	ppb	95
13) Decane	4.81	43	42722	5.73	ppb	94
14) 1,3-Dichlorobenzene	4.89	146	43721	5.48	ppb	97
15) 1,4-Dichlorobenzene	4.94	146	42880	5.41	ppb	98
16) Benzyl alcohol	5.02	108	24822	5.15	ppb	92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:42:03 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:42:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.05	146	41437	5.56	ppb		94
18)	Acetophenone	5.21	105	52673	5.56	ppb		97
19)	2-Methylphenol	5.10	108	34733	5.30	ppb		98
20)	2,2'-oxybis(1-Chloropropan	5.12	121	12138	5.52	ppb	#	75
21)	3&4-Methylphenol	5.21	108	37363	5.55	ppb		97
22)	n-Nitroso-di-n-propylamine	5.21	70	25901	5.65	ppb		92
23)	Hexachloroethane	5.31	201	13202	5.29	ppb		96
26)	Nitrobenzene	5.34	77	38997	5.41	ppb		92
27)	Quinoline	6.11	129	76769	5.42	ppb		99
28)	Isophorone	5.51	82	67786	5.42	ppb		95
29)	2-Nitrophenol	5.57	139	17402	5.05	ppb		88
30)	2,4-Dimethylphenol	5.59	107	35383	5.41	ppb		98
31)	Benzoic acid	5.63	105	9386	5.72	ppb		97
32)	bis(2-Chloroethoxy)methane	5.66	93	40548	5.51	ppb		96
33)	2,4-Dichlorophenol	5.74	162	27678	5.20	ppb		99
34)	2,6-Dichlorophenol	5.91	162	28932	5.78	ppb		97
35)	1,3,5-Trichlorobenzene	5.58	180	34520	5.42	ppb		98
36)	1,2,4-Trichlorobenzene	5.81	180	33027	5.42	ppb		96
37)	1,2,3-Trichlorobenzene	5.97	180	32275	5.44	ppb		95
38)	Naphthalene	5.87	128	110942	5.54	ppb		95
39)	4-Chloroaniline	5.90	127	46148	5.36	ppb		97
40)	2,3-Dichloroaniline	6.61	161	37604	5.52	ppb		95
41)	Caprolactam	6.13	55	16576	5.25	ppb		95
42)	Hexachlorobutadiene	5.96	225	16605	5.37	ppb		99
43)	4-Chloro-3-methylphenol	6.25	107	28726	5.17	ppb		91
44)	2-Methylnaphthalene	6.38	141	64456	5.53	ppb		94
45)	1-Methylnaphthalene	6.46	142	72574	5.40	ppb		100
46)	Dimethylnaphthalene	6.92	156	65486	5.47	ppb		100
48)	Hexachlorocyclopentadiene	6.52	237	27114	9.62	ppb		98
49)	2,4,6-Trichlorophenol	6.61	196	18969	5.27	ppb		96
50)	2,4,5-Trichlorophenol	6.65	196	18624	5.01	ppb		98
52)	2-Chloronaphthalene	6.80	162	66885	5.47	ppb		96
53)	Biphenyl	6.77	154	88586	5.40	ppb		97
54)	2-Nitroaniline	6.88	65	17308	5.12	ppb		98
55)	Dimethylphthalate	7.04	163	67920	5.38	ppb		98
56)	Acenaphthylene	7.20	152	107106	5.49	ppb		98
57)	2,6-Dinitrotoluene	7.10	165	14295	5.09	ppb		98
58)	3-Nitroaniline	7.28	138	17761	5.19	ppb		99
59)	Acenaphthene	7.37	153	68192	5.52	ppb		98
60)	2,4-Dinitrophenol	7.38	184	6212	12.03	ppb	#	24
61)	4-Nitrophenol	7.44	109	7384	4.64	ppb	#	85
62)	Dibenzofuran	7.56	168	93366	5.47	ppb		96
63)	2,4-Dinitrotoluene	7.53	165	19485	5.24	ppb		84
64)	2,3,4,6-Tetrachlorophenol	7.70	232	14367	5.03	ppb		93
65)	Diethylphthalate	7.81	149	67180	5.37	ppb		97
66)	Fluorene	7.97	166	74146	5.46	ppb		95
67)	4-Chlorophenyl-phenylether	7.96	204	32467	5.38	ppb		97
68)	4-Nitroaniline	7.97	138	17757	5.15	ppb		95
70)	4,6-Dinitro-2-methylphenol	8.01	198	6057	5.15	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:42:03 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:42:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

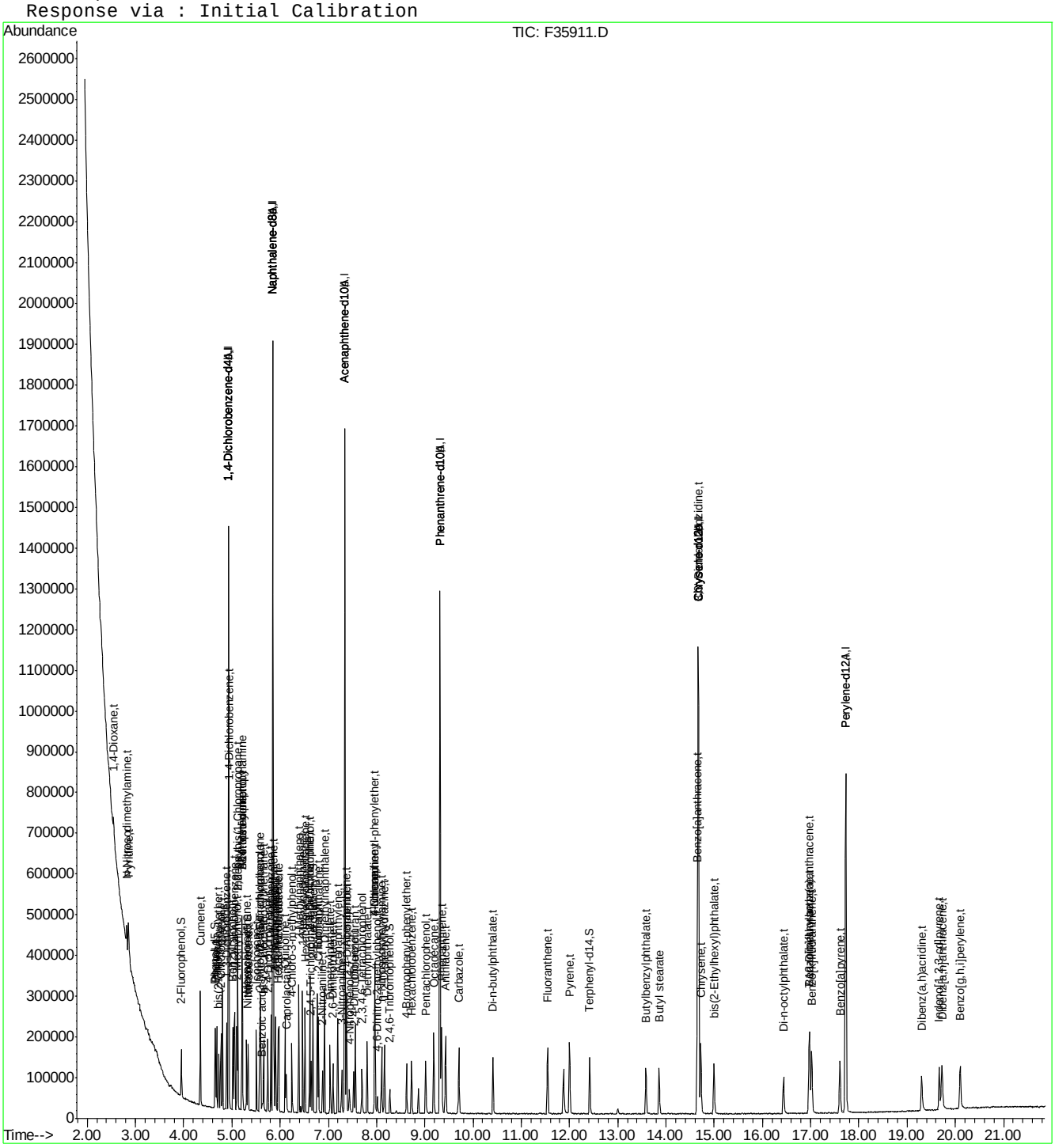
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.10	169	47362	5.31	ppb	97
72)	1,2-Diphenylhydrazine	8.16	77	74890	5.42	ppb	98
74)	4-Bromophenyl-phenylether	8.62	248	18052	5.40	ppb	95
75)	Hexachlorobenzene	8.72	284	19959	5.38	ppb	95
76)	Pentachlorophenol	9.02	266	17955	8.96	ppb	98
77)	Phenanthrene	9.35	178	103499	5.40	ppb	99
78)	Anthracene	9.43	178	102044	5.36	ppb	98
79)	Carbazole	9.71	167	97448	5.35	ppb	97
80)	Di-n-butylphthalate	10.41	149	100979	5.17	ppb	99
81)	Fluoranthene	11.55	202	101169	5.20	ppb	99
82)	Octadecane	9.18	57	47137	5.35	ppb	97
84)	Pyrene	12.00	202	112743	5.33	ppb	100
86)	Butylbenzylphthalate	13.59	149	42505	5.00	ppb	95
87)	Butyl stearate	13.86	56	26224	4.43	ppb	98
88)	Benzo[a]anthracene	14.65	228	98028	5.22	ppb	99
89)	3,3'-Dichlorobenzidine	14.68	252	30501	5.07	ppb	97
90)	Chrysene	14.72	228	96145	5.33	ppb	98
91)	bis(2-Ethylhexyl)phthalate	15.00	149	55784	4.95	ppb	97
93)	Di-n-octylphthalate	16.44	149	81838	4.46	ppb	98
94)	Benzo[b]fluoranthene	16.97	252	96687	5.25	ppb	95
95)	Benzo[k]fluoranthene	17.02	252	99795	5.51	ppb	97
96)	Benzo[a]pyrene	17.61	252	82176	5.28	ppb	98
97)	Indeno[1,2,3-cd]pyrene	19.67	276	67483	4.89	ppb	98
98)	Dibenz(a,h)acridine	19.30	279	61353	4.94	ppb	98
99)	Dibenz[a,h]anthracene	19.72	278	70241	4.94	ppb	95
100)	7,12-Dimethylbenz(a)anthra	16.98	256	42928	5.14	ppb	99
101)	Benzo[g,h,i]perylene	20.10	276	73704	5.02	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:43 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

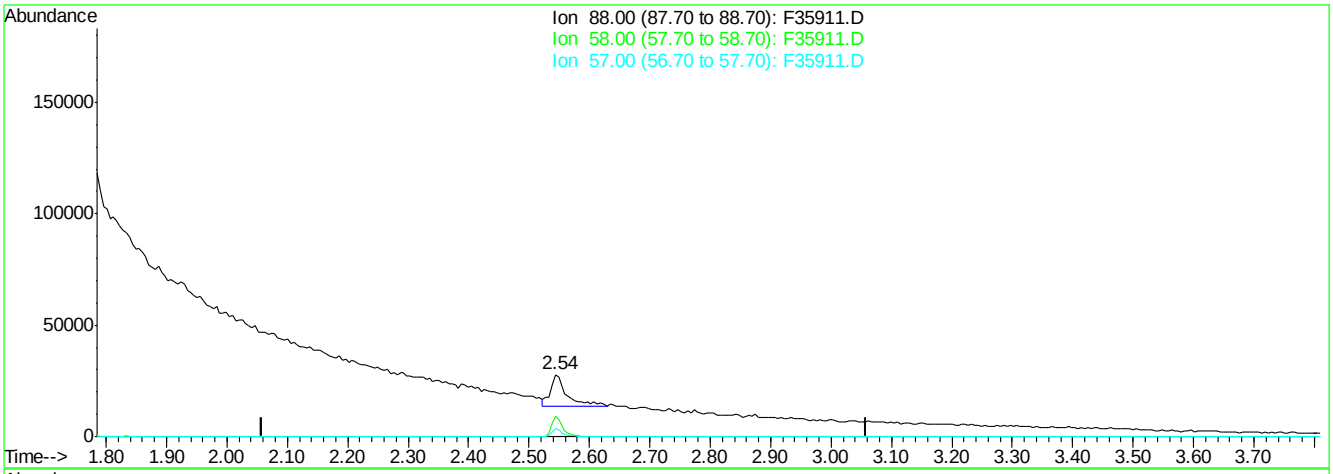
Sample Number:	EF5692-IC5692	**Method:**	SW846 8270D
Lab FileID:	F35911.D	**Analyst approved:**	06/12/14 09:15 Nina Pandya
Injection Time:	06/11/14 23:02	**Supervisor approved:**	06/12/14 13:56 Olga Azarihn

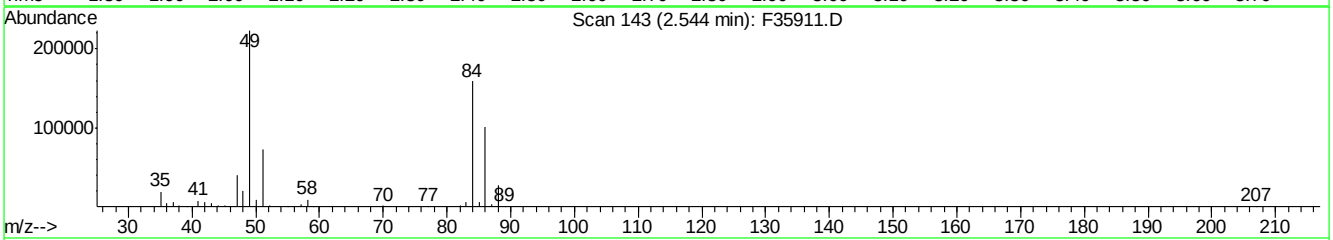
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.54	Poor instrument integration

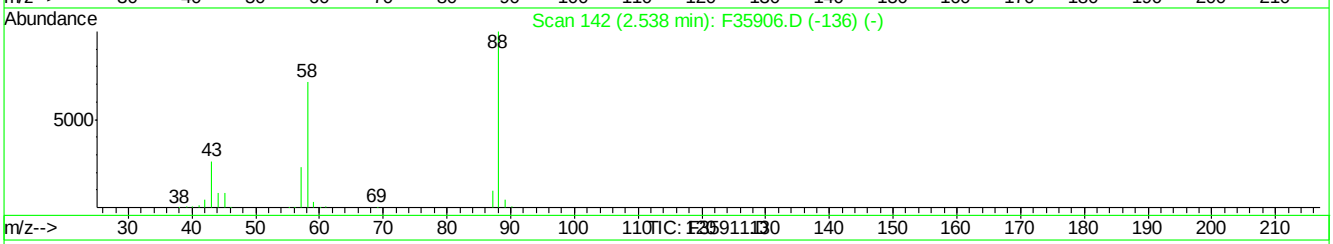
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Multiple Level Calibration







(2) 1,4-Dioxane (t)

2.54min 8.73ppb

response 27473

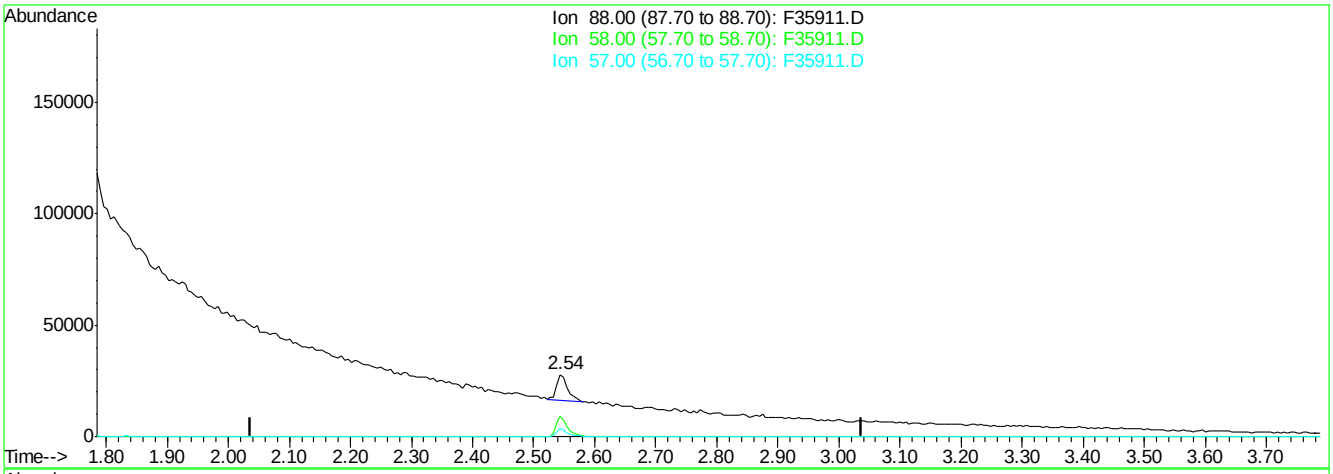
Ion	Exp%	Act%
88.00	100	100
58.00	71.10	70.84
57.00	22.80	27.41
0.00	0.00	0.00

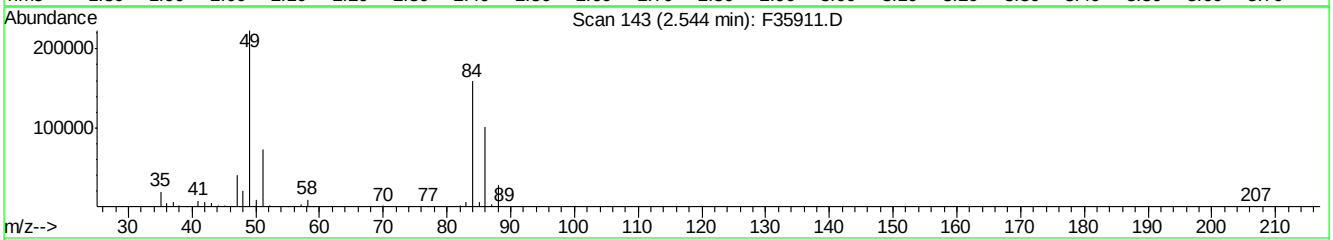
F35911.D MF5692.M Thu Jun 12 08:29:03 2014 RT1

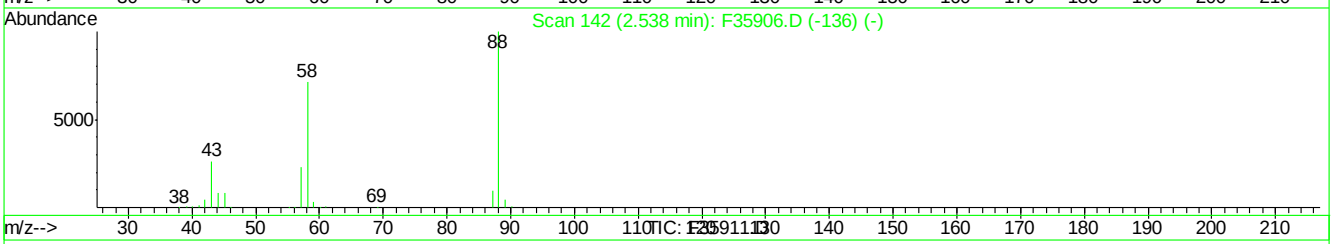
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35911.D Vial: 7
Acq On : 11 Jun 2014 11:02 pm Operator: ashleyd
Sample : ic5692-5 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:42 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:42:00 2014
Response via : Multiple Level Calibration







(2) 1,4-Dioxane (t)

2.54min 4.46ppb m

response 14654

Ion	Exp%	Act%
88.00	100	100
58.00	71.10	31.95#
57.00	22.80	12.37
0.00	0.00	0.00

F35911.D MF5692.M Thu Jun 12 08:42:28 2014 RT1

F35912.D

Manual Integrations APPROVED (compounds with "m" flag)

Olga Azarihn 06/12/14 13:56

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:30:20 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	180327	40.00	ppb	-0.03
24) Naphthalene-d8	5.85	136	660097	40.00	ppb	-0.03
47) Acenaphthene-d10	7.34	164	379907	40.00	ppb	-0.04
69) Phenanthrene-d10	9.31	188	609626	40.00	ppb	-0.05
83) Chrysene-d12	14.67	240	596998	40.00	ppb	-0.07
92) Perylene-d12	17.73	264	476869	40.00	ppb	-0.08
102) 1,4-Dichlorobenzene-d4A	4.93	152	180327	40.00	ppb	-0.03
112) Naphthalene-d8A	5.85	136	660097	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.34	164	379907	40.00	ppb	-0.04
132) Phenanthrene-d10A	9.31	188	609626	40.00	ppb	-0.05
147) Chrysene-d12A	14.67	240	596998	40.00	ppb	-0.07
155) Perylene-d12A	17.73	264	476869	40.00	ppb	-0.08
159) 1,4-Dichlorobenzene-d4b	4.93	152	180327	40.00	ppb	-0.03
161) Naphthalene-d8b	5.85	136	660097	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.34	164	379907	40.00	ppb	-0.04
165) Phenanthrene-d10b	9.31	188	609626	40.00	ppb	0.00
167) Chrysene-d12b	14.67	240	596998	40.00	ppb	-0.07
169) 1,4-Dichlorobenzene-d4c	4.93	152	180327	40.00	ppb	-0.03
171) Naphthalene-d8c	5.85	136	660097	40.00	ppb	-0.03
176) Chrysene-d12c	14.67	240	596998	40.00	ppb	-0.07
178) Naphthalene-d8a	5.85	136	660097	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	12524	1.90	ppb	-0.02
Spiked Amount 50.000			Recovery =	3.80%		
8) Phenol-d5	4.65	99	15692	1.88	ppb	-0.03
Spiked Amount 50.000			Recovery =	3.76%		
25) Nitrobenzene-d5	5.33	82	13353	2.01	ppb	-0.03
Spiked Amount 50.000			Recovery =	4.02%		
51) 2-Fluorobiphenyl	6.68	172	27575	2.14	ppb	-0.03
Spiked Amount 50.000			Recovery =	4.28%		
73) 2,4,6-Tribromophenol	8.28	330	2223	1.40	ppb	-0.05
Spiked Amount 50.000			Recovery =	2.80%		
85) Terphenyl-d14	12.42	244	25407	1.83	ppb	-0.07
Spiked Amount 50.000			Recovery =	3.66%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	5859m	1.91	ppb	
3) Pyridine	2.86	79	14965	1.94	ppb	91
4) N-Nitrosodimethylamine	2.82	42	8572	2.78	ppb	78
6) Indene	5.12	116	24691	2.21	ppb	93
7) Cumene	4.34	105	34485	2.21	ppb	98
9) Phenol	4.66	94	17853	2.06	ppb	97
10) Aniline	4.69	93	22208	2.06	ppb	91
11) bis(2-Chloroethyl)ether	4.73	93	13449	2.22	ppb	99
12) 2-Chlorophenol	4.78	128	14263	2.02	ppb	93
13) Decane	4.81	43	15656	2.35	ppb	96
14) 1,3-Dichlorobenzene	4.89	146	16429	2.16	ppb	95
15) 1,4-Dichlorobenzene	4.94	146	15357	2.04	ppb	96
16) Benzyl alcohol	5.02	108	9057	1.88	ppb	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:30:20 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.05	146	15185	2.19	ppb		94
18)	Acetophenone	5.21	105	20530	2.35	ppb		97
19)	2-Methylphenol	5.10	108	12914	2.02	ppb		98
20)	2,2'-oxybis(1-Chloropropan	5.12	121	4484	2.15	ppb	#	64
21)	3&4-Methylphenol	5.21	108	13111	2.00	ppb		91
22)	n-Nitroso-di-n-propylamine	5.21	70	9438	2.19	ppb		91
23)	Hexachloroethane	5.31	201	4662	1.87	ppb		94
26)	Nitrobenzene	5.34	77	14386	2.06	ppb		92
27)	Quinoline	6.11	129	27766	2.02	ppb		99
28)	Isophorone	5.51	82	24230	1.99	ppb		98
29)	2-Nitrophenol	5.57	139	5740	1.55	ppb		95
30)	2,4-Dimethylphenol	5.59	107	12932	2.05	ppb		97
31)	Benzoic acid	5.63	105	2152	0.49	ppb	#	30
32)	bis(2-Chloroethoxy)methane	5.66	93	14574	2.08	ppb		97
33)	2,4-Dichlorophenol	5.74	162	9656	1.78	ppb		99
34)	2,6-Dichlorophenol	5.90	162	10316	1.96	ppb		97
35)	1,3,5-Trichlorobenzene	5.58	180	13351	2.22	ppb		94
36)	1,2,4-Trichlorobenzene	5.81	180	12304	2.14	ppb		92
37)	1,2,3-Trichlorobenzene	5.97	180	12431	2.21	ppb		96
38)	Naphthalene	5.87	128	41940	2.25	ppb		94
39)	4-Chloroaniline	5.90	127	15941	1.88	ppb		97
40)	2,3-Dichloroaniline	6.61	161	13526	2.09	ppb		93
41)	Caprolactam	6.13	55	5972	1.83	ppb		96
42)	Hexachlorobutadiene	5.96	225	6248	2.07	ppb		94
43)	4-Chloro-3-methylphenol	6.25	107	10496	1.88	ppb		93
44)	2-Methylnaphthalene	6.38	141	24444	2.24	ppb		98
45)	1-Methylnaphthalene	6.46	142	27882	2.20	ppb		94
46)	Dimethylnaphthalene	6.92	156	24521	2.14	ppb		99
48)	Hexachlorocyclopentadiene	6.52	237	8686	2.72	ppb		98
49)	2,4,6-Trichlorophenol	6.61	196	6637	1.80	ppb		91
50)	2,4,5-Trichlorophenol	6.65	196	6937	1.75	ppb		98
52)	2-Chloronaphthalene	6.80	162	25432	2.19	ppb		97
53)	Biphenyl	6.77	154	34549	2.21	ppb		97
54)	2-Nitroaniline	6.88	65	5539	1.52	ppb		97
55)	Dimethylphthalate	7.04	163	25137	2.03	ppb		97
56)	Acenaphthylene	7.20	152	39502	2.07	ppb		97
57)	2,6-Dinitrotoluene	7.10	165	4737	1.53	ppb		93
58)	3-Nitroaniline	7.28	138	5811	1.53	ppb		88
59)	Acenaphthene	7.37	153	25679	2.19	ppb		94
60)	2,4-Dinitrophenol	7.39	184	1103	0.68	ppb	#	1
61)	4-Nitrophenol	7.44	109	2025	1.13	ppb	#	79
62)	Dibenzofuran	7.56	168	35517	2.18	ppb		100
63)	2,4-Dinitrotoluene	7.53	165	5890	1.42	ppb		80
64)	2,3,4,6-Tetrachlorophenol	7.70	232	4529	1.39	ppb		94
65)	Diethylphthalate	7.81	149	24485	1.97	ppb		98
66)	Fluorene	7.97	166	27902	2.15	ppb		98
67)	4-Chlorophenyl-phenylether	7.96	204	12222	2.06	ppb		97
68)	4-Nitroaniline	7.97	138	5899	1.59	ppb		97
70)	4,6-Dinitro-2-methylphenol	8.01	198	1350	0.58	ppb		87

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:30:20 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

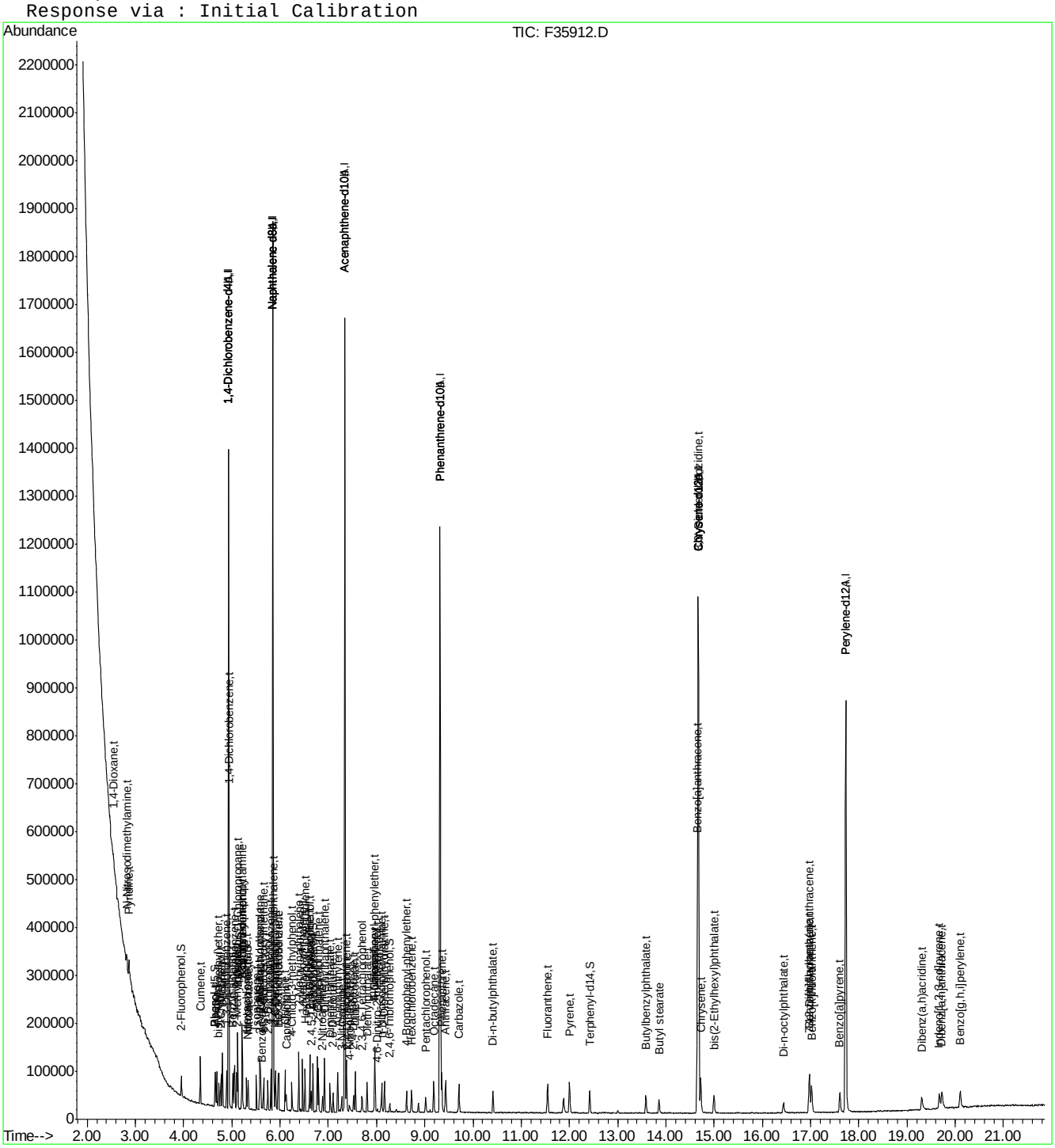
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	n-Nitrosodiphenylamine	8.10	169	16921	1.91	ppb	98
72)	1,2-Diphenylhydrazine	8.16	77	27284	2.02	ppb	98
74)	4-Bromophenyl-phenylether	8.62	248	6379	1.89	ppb	92
75)	Hexachlorobenzene	8.72	284	7542	2.09	ppb	92
76)	Pentachlorophenol	9.02	266	4962	2.14	ppb	96
77)	Phenanthrene	9.35	178	39195	2.16	ppb	97
78)	Anthracene	9.44	178	37305	1.99	ppb	96
79)	Carbazole	9.71	167	35880	1.97	ppb	99
80)	Di-n-butylphthalate	10.41	149	33788	1.63	ppb	99
81)	Fluoranthene	11.55	202	37587	1.89	ppb	100
82)	Octadecane	9.18	57	15691	1.72	ppb	97
84)	Pyrene	12.00	202	40893	1.91	ppb	98
86)	Butylbenzylphthalate	13.59	149	13800	1.44	ppb	96
87)	Butyl stearate	13.86	56	7467	1.11	ppb	95
88)	Benzo[a]anthracene	14.65	228	39532	2.16	ppb	96
89)	3,3'-Dichlorobenzidine	14.67	252	10114	1.48	ppb	91
90)	Chrysene	14.72	228	38649	2.26	ppb	98
91)	bis(2-Ethylhexyl)phthalate	15.00	149	17498	1.33	ppb	94
93)	Di-n-octylphthalate	16.43	149	23530	1.12	ppb	100
94)	Benzo[b]fluoranthene	16.97	252	36789	2.00	ppb	97
95)	Benzo[k]fluoranthene	17.02	252	38941	2.26	ppb	98
96)	Benzo[a]pyrene	17.61	252	29802	1.84	ppb	92
97)	Indeno[1,2,3-cd]pyrene	19.67	276	23089	1.51	ppb	95
98)	Dibenz(a,h)acridine	19.30	279	21166	1.52	ppb	94
99)	Dibenz[a,h]anthracene	19.72	278	24452	1.61	ppb	99
100)	7,12-Dimethylbenz(a)anthra	16.98	256	15499	1.77	ppb	99
101)	Benzo[g,h,i]perylene	20.10	276	27537	1.80	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:31 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



Manual Integration Approval Summary

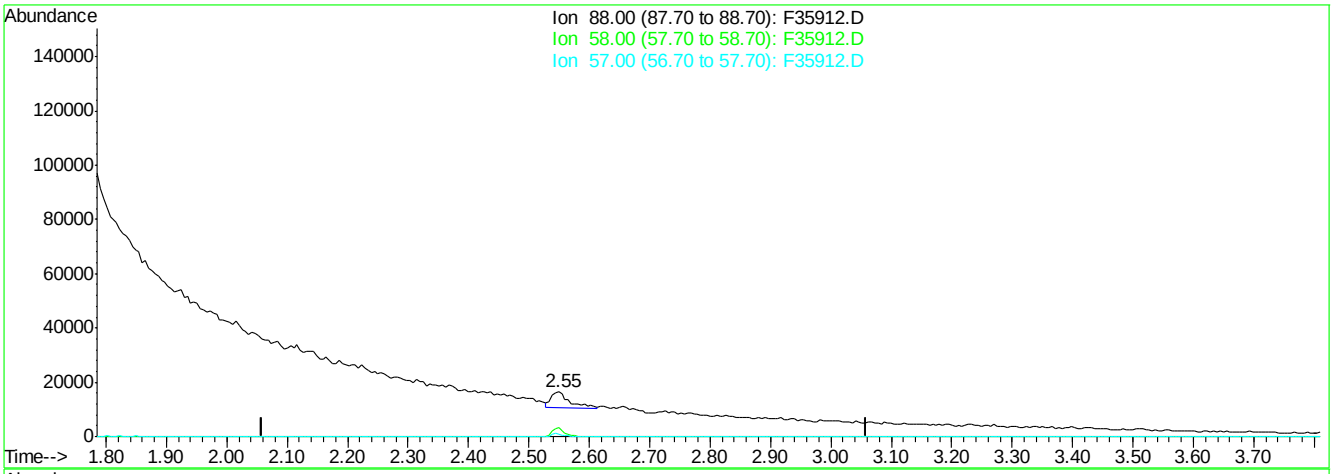
Sample Number:	EF5692-IC5692	**Method:**	SW846 8270D
Lab FileID:	F35912.D	**Analyst approved:**	06/12/14 09:15 Nina Pandya
Injection Time:	06/11/14 23:32	**Supervisor approved:**	06/12/14 13:56 Olga Azarihn

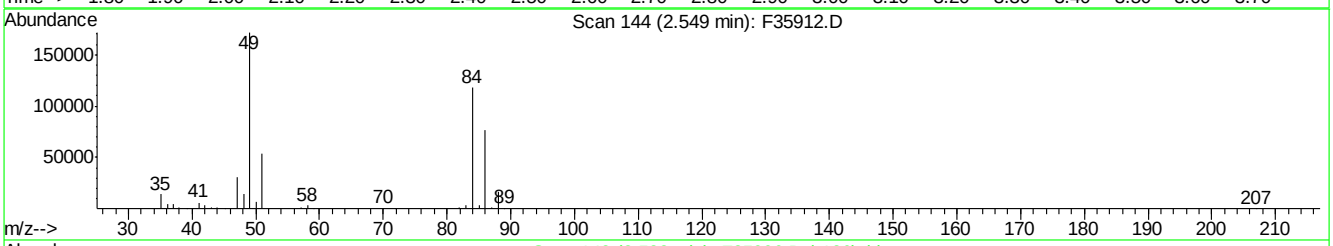
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.55	Poor instrument integration

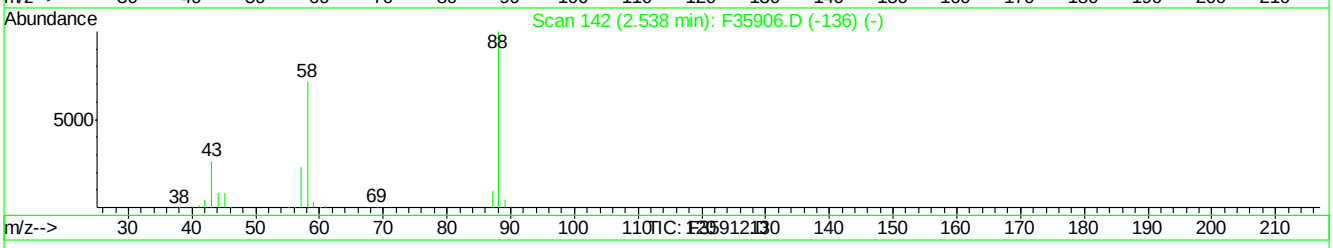
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:30 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Multiple Level Calibration







(2) 1,4-Dioxane (t)

2.55min 4.06ppb

response 12474

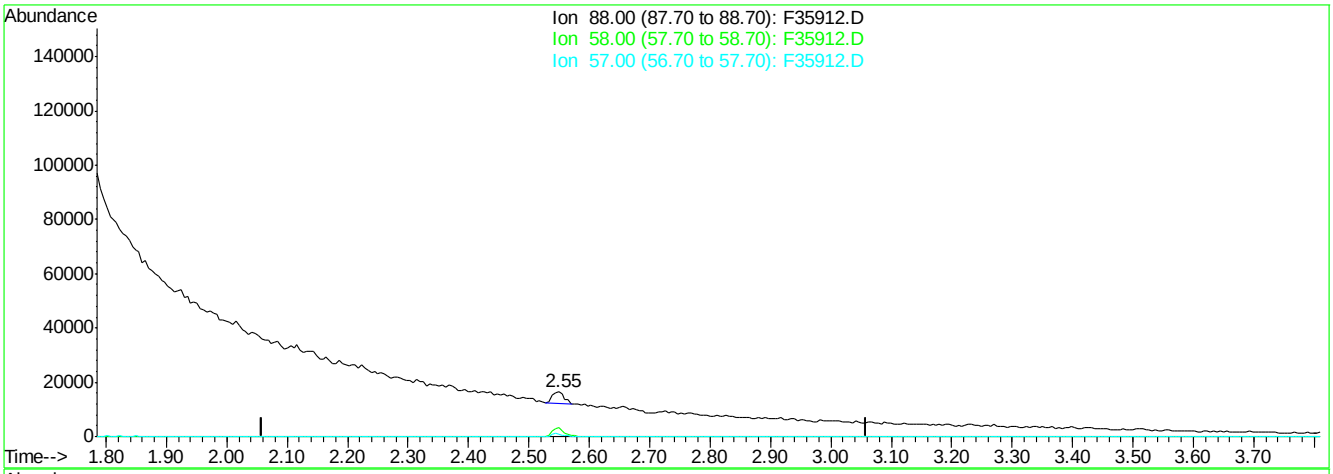
Ion	Exp%	Act%
88.00	100	100
58.00	71.10	67.55
57.00	22.80	18.62
0.00	0.00	0.00

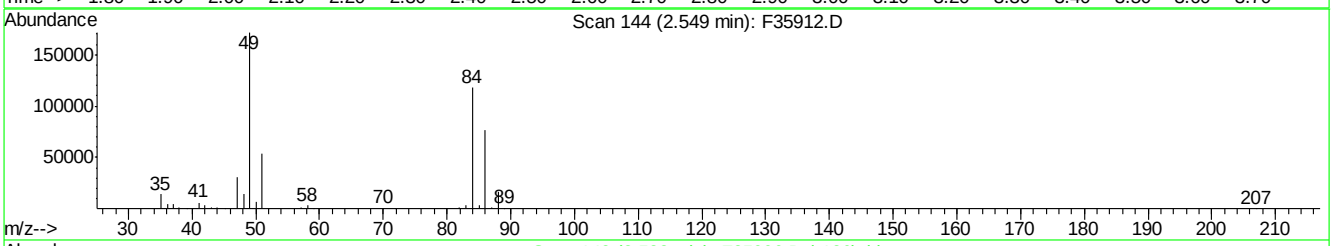
F35912.D MF5692.M Thu Jun 12 08:30:39 2014 RT1

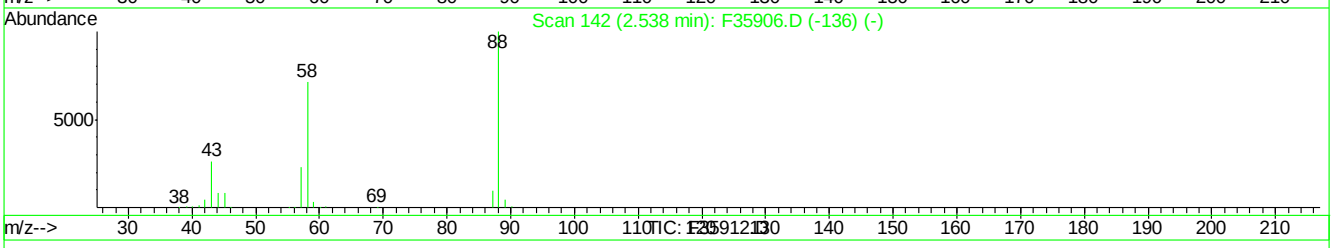
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35912.D Vial: 8
Acq On : 11 Jun 2014 11:32 pm Operator: ashleyd
Sample : ic5692-2 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:31 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Multiple Level Calibration







(2) 1,4-Dioxane (t)

2.55min 1.91ppb m

response 5859

Ion	Exp%	Act%
88.00	100	100
58.00	71.10	19.81#
57.00	22.80	5.46
0.00	0.00	0.00

F35912.D MF5692.M Thu Jun 12 08:55:38 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35913.D Vial: 9
Acq On : 12 Jun 2014 12:01 am Operator: ashleyd
Sample : ic5692-1 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:33:05 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	196588	40.00	ppb	-0.03
24) Naphthalene-d8	5.85	136	705792	40.00	ppb	-0.03
47) Acenaphthene-d10	7.34	164	409528	40.00	ppb	-0.04
69) Phenanthrene-d10	9.31	188	654379	40.00	ppb	-0.05
83) Chrysene-d12	14.67	240	621642	40.00	ppb	-0.07
92) Perylene-d12	17.73	264	499715	40.00	ppb	-0.08
102) 1,4-Dichlorobenzene-d4A	4.93	152	196588	40.00	ppb	-0.03
112) Naphthalene-d8A	5.85	136	705792	40.00	ppb	-0.03
121) Acenaphthene-d10A	7.34	164	409528	40.00	ppb	-0.04
132) Phenanthrene-d10A	9.31	188	654379	40.00	ppb	-0.05
147) Chrysene-d12A	14.67	240	621642	40.00	ppb	-0.07
155) Perylene-d12A	17.73	264	499715	40.00	ppb	-0.08
159) 1,4-Dichlorobenzene-d4b	4.93	152	196588	40.00	ppb	-0.03
161) Naphthalene-d8b	5.85	136	705792	40.00	ppb	-0.03
163) Acenaphthene-d10b	7.34	164	409528	40.00	ppb	-0.04
165) Phenanthrene-d10b	9.31	188	654379	40.00	ppb	0.00
167) Chrysene-d12b	14.67	240	621642	40.00	ppb	-0.07
169) 1,4-Dichlorobenzene-d4c	4.93	152	196588	40.00	ppb	-0.03
171) Naphthalene-d8c	5.85	136	705792	40.00	ppb	-0.03
176) Chrysene-d12c	14.67	240	621642	40.00	ppb	-0.07
178) Naphthalene-d8a	5.85	136	705792	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	6997	0.97	ppb	-0.02
Spiked Amount 50.000			Recovery =	1.94%		
8) Phenol-d5	4.65	99	8387	0.92	ppb	-0.03
Spiked Amount 50.000			Recovery =	1.84%		
25) Nitrobenzene-d5	5.33	82	8088	1.14	ppb	-0.03
Spiked Amount 50.000			Recovery =	2.28%		
51) 2-Fluorobiphenyl	6.68	172	15416	1.11	ppb	-0.03
Spiked Amount 50.000			Recovery =	2.22%		
73) 2,4,6-Tribromophenol	8.28	330	1081	0.63	ppb	-0.05
Spiked Amount 50.000			Recovery =	1.26%		
85) Terphenyl-d14	12.42	244	13570	0.94	ppb	-0.07
Spiked Amount 50.000			Recovery =	1.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	4963	1.48	ppb	96
3) Pyridine	2.87	79	8585	1.02	ppb	94
4) N-Nitrosodimethylamine	2.82	42	3116	0.93	ppb	98
6) Indene	5.12	116	13716	1.12	ppb	99
7) Cumene	4.34	105	18702	1.10	ppb	94
9) Phenol	4.66	94	9851	1.04	ppb	94
10) Aniline	4.69	93	12143	1.03	ppb	91
11) bis(2-Chloroethyl)ether	4.73	93	7435	1.12	ppb	93
12) 2-Chlorophenol	4.78	128	7769	1.01	ppb	94
13) Decane	4.81	43	9246	1.27	ppb	93
14) 1,3-Dichlorobenzene	4.89	146	8754	1.06	ppb	98
15) 1,4-Dichlorobenzene	4.94	146	9571	1.17	ppb	91
16) Benzyl alcohol	5.02	108	4879	0.93	ppb	92

(#) = qualifier out of range (m) = manual integration
F35913.D MF5692.M Thu Jun 12 08:51:51 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35913.D Vial: 9
Acq On : 12 Jun 2014 12:01 am Operator: ashleyd
Sample : ic5692-1 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:33:05 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
17)	1,2-Dichlorobenzene	5.05	146	8676	1.15	ppb		97
18)	Acetophenone	5.21	105	10634	1.11	ppb		98
19)	2-Methylphenol	5.10	108	7194	1.03	ppb		89
20)	2,2'-oxybis(1-Chloropropan	5.12	121	2393	1.05	ppb	#	78
21)	3&4-Methylphenol	5.21	108	7019	0.98	ppb		95
22)	n-Nitroso-di-n-propylamine	5.21	70	5034	1.07	ppb		96
23)	Hexachloroethane	5.31	201	2788	1.03	ppb		91
26)	Nitrobenzene	5.34	77	7665	1.03	ppb		99
27)	Quinoline	6.11	129	15709	1.07	ppb		99
28)	Isophorone	5.51	82	13327	1.02	ppb		95
29)	2-Nitrophenol	5.57	139	2973	0.75	ppb		92
30)	2,4-Dimethylphenol	5.59	107	6993	1.04	ppb		98
32)	bis(2-Chloroethoxy)methane	5.66	93	8004	1.07	ppb		97
33)	2,4-Dichlorophenol	5.74	162	5115	0.88	ppb		94
34)	2,6-Dichlorophenol	5.90	162	5666	1.01	ppb		92
35)	1,3,5-Trichlorobenzene	5.58	180	7329	1.14	ppb		96
36)	1,2,4-Trichlorobenzene	5.81	180	7289	1.19	ppb		97
37)	1,2,3-Trichlorobenzene	5.97	180	6694	1.11	ppb		98
38)	Naphthalene	5.87	128	23343	1.17	ppb		97
39)	4-Chloroaniline	5.90	127	9432	1.04	ppb		99
40)	2,3-Dichloroaniline	6.61	161	7727	1.12	ppb		95
41)	Caprolactam	6.13	55	2969	0.85	ppb		90
42)	Hexachlorobutadiene	5.96	225	3516	1.09	ppb		98
43)	4-Chloro-3-methylphenol	6.25	107	5532	0.93	ppb		95
44)	2-Methylnaphthalene	6.38	141	13277	1.14	ppb		96
45)	1-Methylnaphthalene	6.46	142	15882	1.17	ppb		96
46)	Dimethylnaphthalene	6.92	156	13278	1.09	ppb		96
48)	Hexachlorocyclopentadiene	6.52	237	4534	1.31	ppb		99
49)	2,4,6-Trichlorophenol	6.61	196	3589	0.90	ppb		98
50)	2,4,5-Trichlorophenol	6.65	196	3454	0.81	ppb		90
52)	2-Chloronaphthalene	6.80	162	14260	1.14	ppb		97
53)	Biphenyl	6.77	154	19056	1.13	ppb		99
54)	2-Nitroaniline	6.88	65	2982	0.76	ppb		81
55)	Dimethylphthalate	7.04	163	13977	1.05	ppb		96
56)	Acenaphthylene	7.20	152	21342	1.04	ppb		95
57)	2,6-Dinitrotoluene	7.10	165	2256	0.68	ppb		83
58)	3-Nitroaniline	7.28	138	2588	0.63	ppb		74
59)	Acenaphthene	7.37	153	14086	1.11	ppb		96
62)	Dibenzofuran	7.56	168	20002	1.14	ppb		98
63)	2,4-Dinitrotoluene	7.53	165	2796	0.62	ppb		80
64)	2,3,4,6-Tetrachlorophenol	7.70	232	2353	0.67	ppb		91
65)	Diethylphthalate	7.81	149	13699	1.02	ppb		99
66)	Fluorene	7.97	166	15520	1.11	ppb		94
67)	4-Chlorophenyl-phenylether	7.96	204	6667	1.04	ppb		99
68)	4-Nitroaniline	7.97	138	2682	0.67	ppb		89
71)	n-Nitrosodiphenylamine	8.11	169	9456	0.99	ppb		92
72)	1,2-Diphenylhydrazine	8.16	77	14628	1.01	ppb		97
74)	4-Bromophenyl-phenylether	8.62	248	3540	0.98	ppb		94
75)	Hexachlorobenzene	8.72	284	4239	1.09	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35913.D Vial: 9
Acq On : 12 Jun 2014 12:01 am Operator: ashleyd
Sample : ic5692-1 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 08:33:05 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:28:47 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

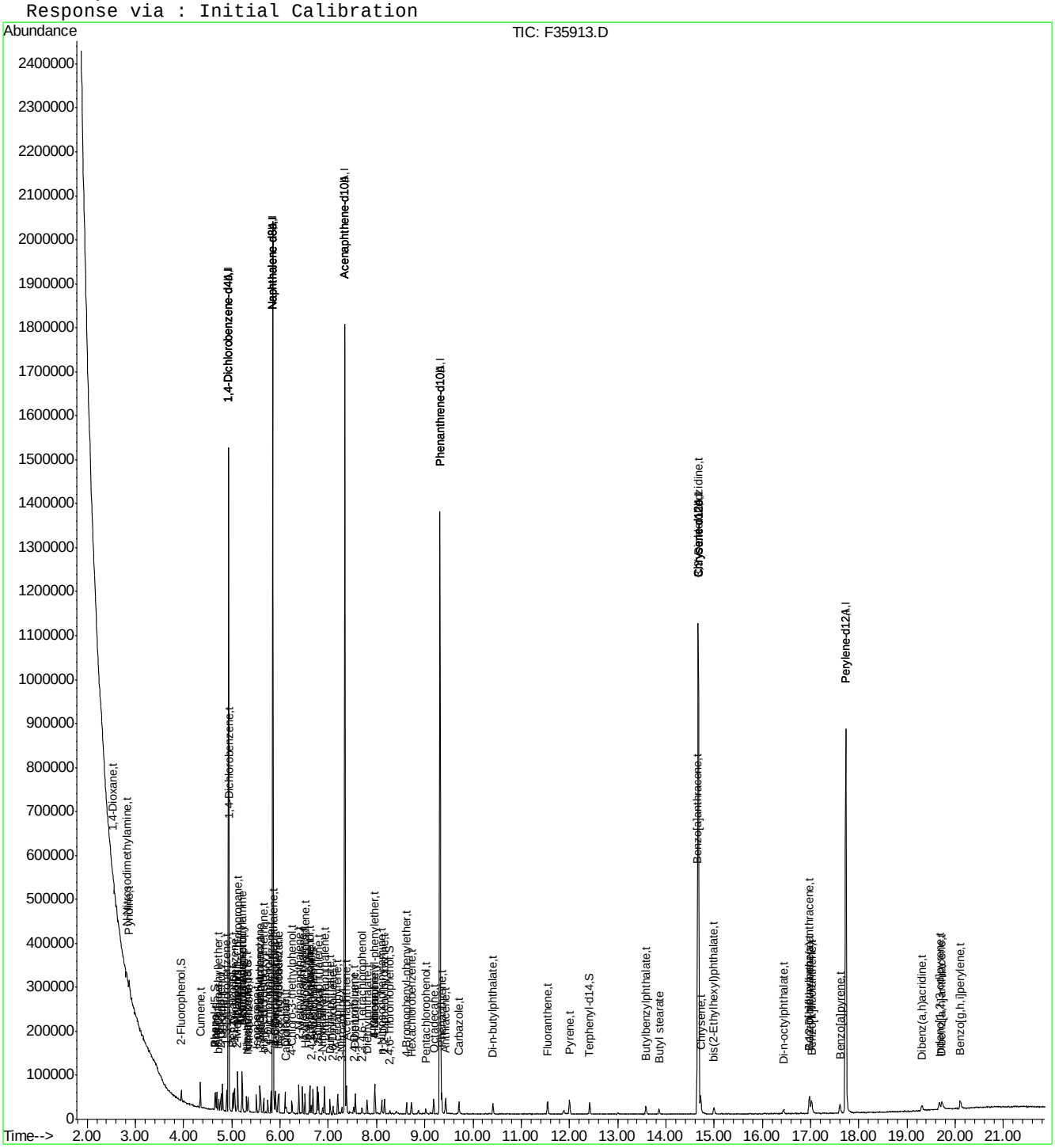
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76)	Pentachlorophenol	9.02	266	2078	0.83	ppb	86
77)	Phenanthrene	9.35	178	22532	1.15	ppb	99
78)	Anthracene	9.44	178	20585	1.02	ppb	98
79)	Carbazole	9.71	167	18465	0.95	ppb	99
80)	Di-n-butylphthalate	10.41	149	17190	0.77	ppb	97
81)	Fluoranthene	11.55	202	19505	0.91	ppb	97
82)	Octadecane	9.18	57	7939	0.81	ppb	98
84)	Pyrene	12.00	202	20956	0.94	ppb	97
86)	Butylbenzylphthalate	13.59	149	6708	0.67	ppb	95
87)	Butyl stearate	13.86	56	3398	0.49	ppb	100
88)	Benzo[a]anthracene	14.65	228	22388	1.18	ppb	98
89)	3,3'-Dichlorobenzidine	14.68	252	4855	0.68	ppb	80
90)	Chrysene	14.72	228	23359	1.31	ppb	98
91)	bis(2-Ethylhexyl)phthalate	15.00	149	7793	0.57	ppb	93
93)	Di-n-octylphthalate	16.43	149	11459	0.52	ppb	97
94)	Benzo[b]fluoranthene	16.97	252	20371	1.06	ppb	91
95)	Benzo[k]fluoranthene	17.03	252	22520	1.25	ppb	97
96)	Benzo[a]pyrene	17.61	252	16048	0.95	ppb	97
97)	Indeno[1,2,3-cd]pyrene	19.67	276	13228	0.83	ppb	97
98)	Dibenz(a,h)acridine	19.30	279	10506	0.72	ppb	98
99)	Dibenz[a,h]anthracene	19.72	278	14471	0.91	ppb	95
100)	7,12-Dimethylbenz(a)anthra	16.98	256	8458	0.92	ppb	97
101)	Benzo[g,h,i]perylene	20.10	276	15634	0.97	ppb	90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5692\F35913.D Vial: 9
Acq On : 12 Jun 2014 12:01 am Operator: ashleyd
Sample : ic5692-1 Inst : MSF
Misc : op74333,ef5692 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 8:34 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 08:49:00 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35915.D Vial: 2
Acq On : 12 Jun 2014 9:02 am Operator: ashleyd
Sample : icc5693-50 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:12:04 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

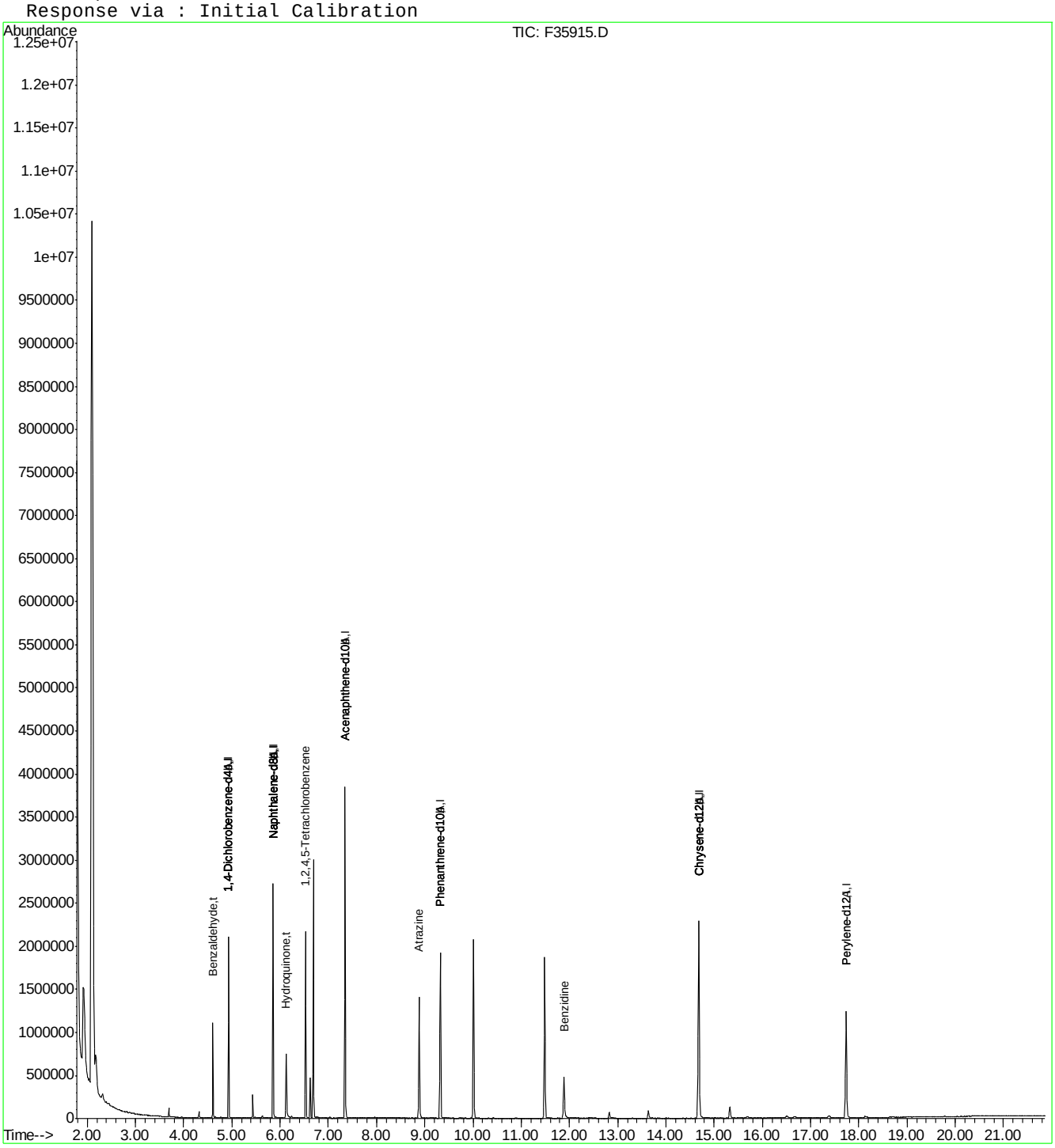
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	269195	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	959980	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	546078	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	928782	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	828849	40.00	ppb	0.00
92) Perylene-d12	17.74	264	739789	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	269195	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	959980	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	546078	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	928782	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	828849	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	739789	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	269195	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	959980	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	546078	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	928782	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	828849	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	269195	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	959980	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	828849	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	959980	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	184920	50.00	ppb	100
162) Hydroquinone	6.13	110	407595	50.00	ppb	100
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	335963	50.00	ppb	100
166) Atrazine	8.88	200	207200	50.00	ppb	100
168) Benzidine	11.89	184	330426	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35915.D Vial: 2
Acq On : 12 Jun 2014 9:02 am Operator: ashleyd
Sample : icc5693-50 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:12 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35916.D Vial: 3
Acq On : 12 Jun 2014 9:30 am Operator: ashleyd
Sample : ic5693-25 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:13:14 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

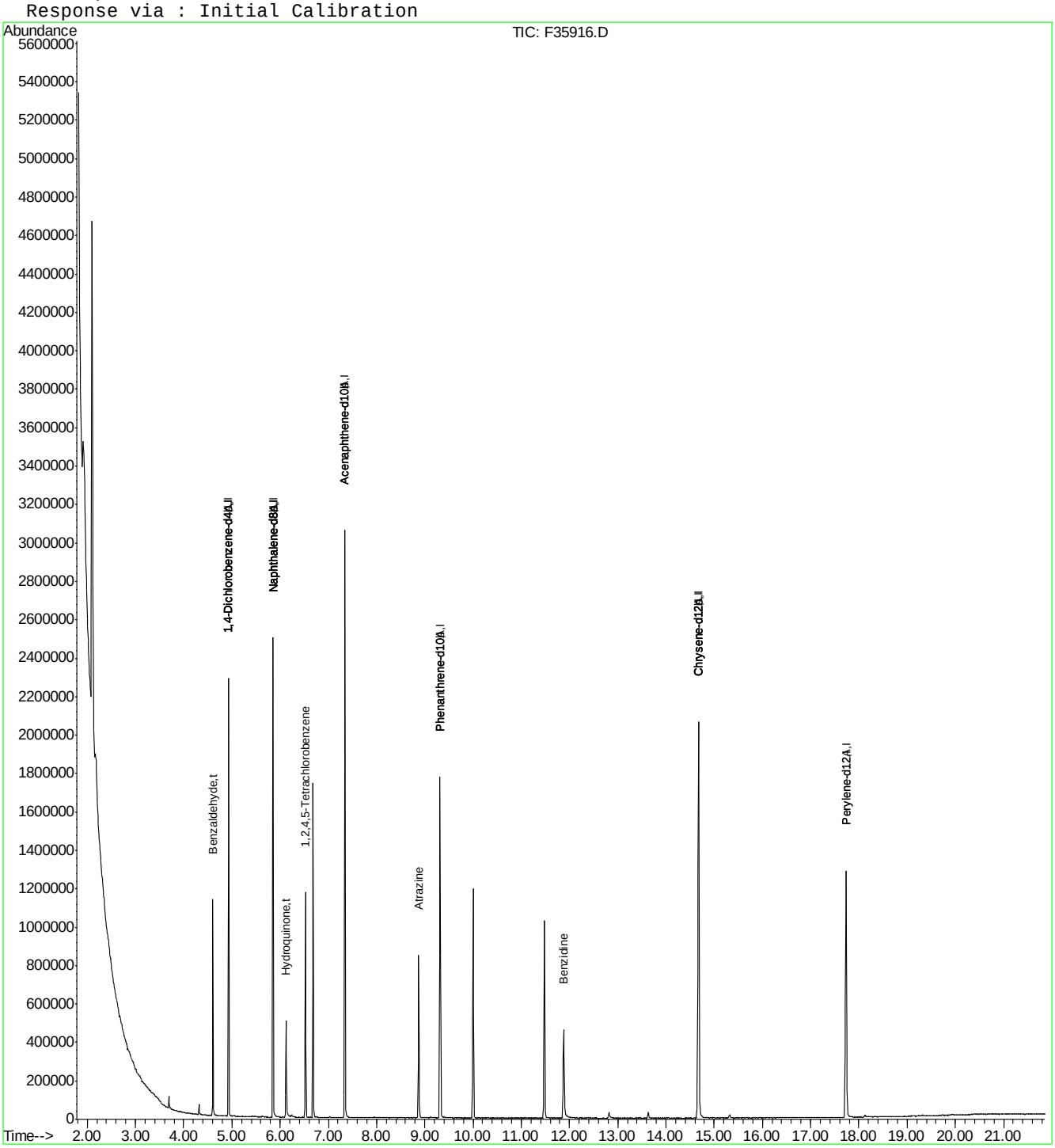
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	288394	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	991997	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	542657	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	870909	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	856265	40.00	ppb	0.00
92) Perylene-d12	17.74	264	760702	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	288394	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	991997	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	542657	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	870909	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	856265	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	760702	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	288394	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	991997	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	542657	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	870909	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	856265	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	288394	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	991997	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	856265	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	991997	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	182866	46.15	ppb	97
162) Hydroquinone	6.12	110	211560	25.11	ppb	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	203311	30.45	ppb	98
166) Atrazine	8.87	200	116538	29.99	ppb	98
168) Benzidine	11.88	184	305598	44.76	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35916.D Vial: 3
Acq On : 12 Jun 2014 9:30 am Operator: ashleyd
Sample : ic5693-25 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:14 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35917.D Vial: 4
Acq On : 12 Jun 2014 9:59 am Operator: ashleyd
Sample : ic5693-100 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:14:27 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

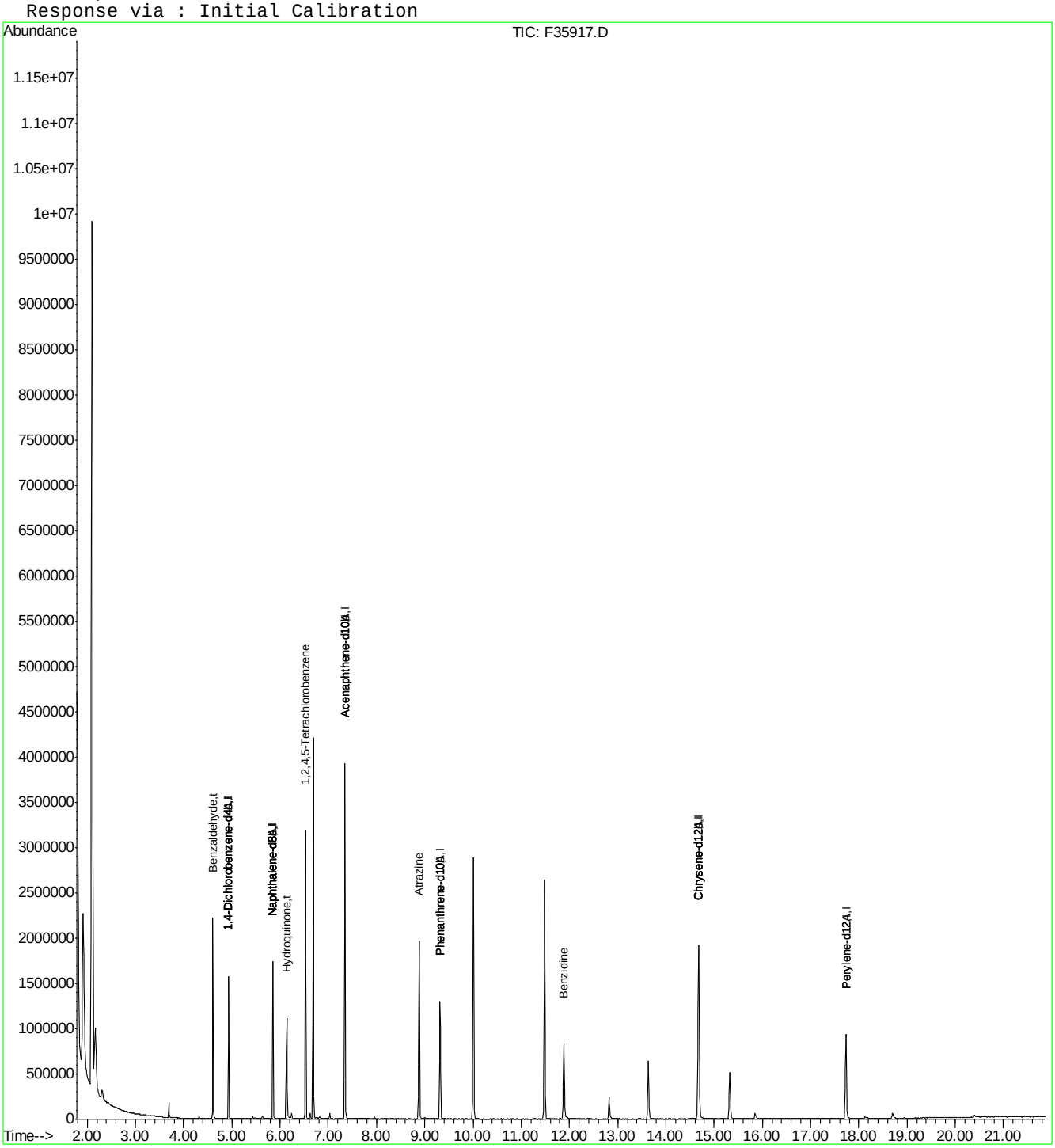
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	190661	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	696683	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	367743	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	626769	40.00	ppb	0.00
83) Chrysene-d12	14.67	240	616813	40.00	ppb	-0.01
92) Perylene-d12	17.74	264	562339	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	190661	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	696683	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	367743	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	626769	40.00	ppb	0.00
147) Chrysene-d12A	14.67	240	616813	40.00	ppb	-0.01
155) Perylene-d12A	17.74	264	562339	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	190661	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	696683	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	367743	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	626769	40.00	ppb	0.00
167) Chrysene-d12b	14.67	240	616813	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.93	152	190661	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	696683	40.00	ppb	0.00
176) Chrysene-d12c	14.67	240	616813	40.00	ppb	-0.01
178) Naphthalene-d8a	5.85	136	696683	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	386851	147.68	ppb	97
162) Hydroquinone	6.14	110	664895	112.39	ppb	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	509233	112.54	ppb	99
166) Atrazine	8.89	200	327235	117.02	ppb	98
168) Benzidine	11.88	184	528919	107.55	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35917.D Vial: 4
Acq On : 12 Jun 2014 9:59 am Operator: ashleyd
Sample : ic5693-100 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:15 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35918.D Vial: 5
Acq On : 12 Jun 2014 10:28 am Operator: ashleyd
Sample : ic5693-80 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:15:24 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

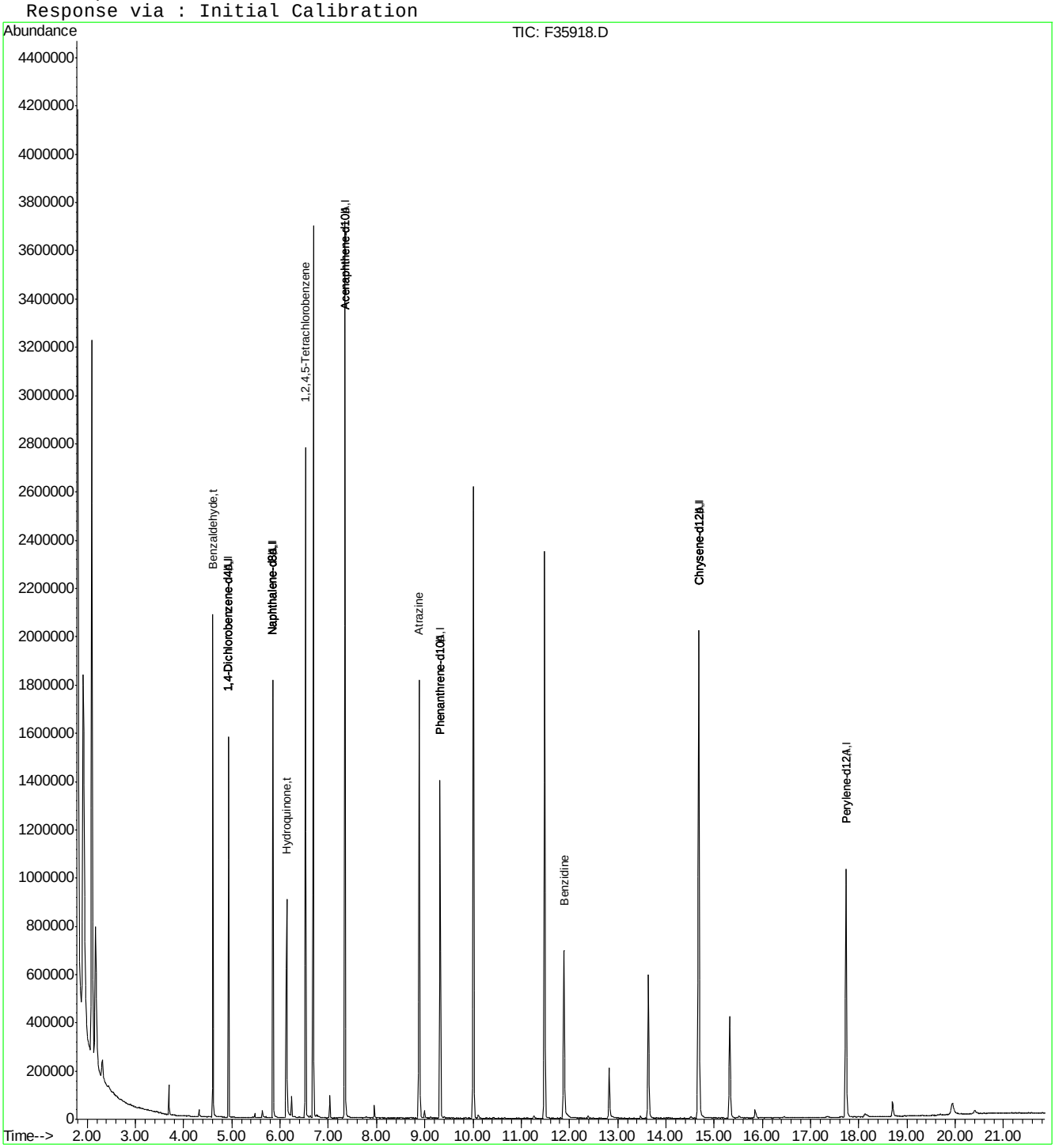
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	199131	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	721583	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	397156	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	677795	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	661324	40.00	ppb	0.00
92) Perylene-d12	17.74	264	596766	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	199131	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	721583	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	397156	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	677795	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	661324	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	596766	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	199131	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	721583	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	397156	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	677795	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	661324	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	199131	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	721583	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	661324	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	721583	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	350260	128.03	ppb	97
162) Hydroquinone	6.14	110	582879	95.13	ppb	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	436797	89.38	ppb	99
166) Atrazine	8.88	200	286735	94.81	ppb	99
168) Benzidine	11.89	184	461238	87.47	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35918.D Vial: 5
Acq On : 12 Jun 2014 10:28 am Operator: ashleyd
Sample : ic5693-80 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:15 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35919.D Vial: 6
Acq On : 12 Jun 2014 10:57 am Operator: ashleyd
Sample : ic5693-10 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:42:06 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

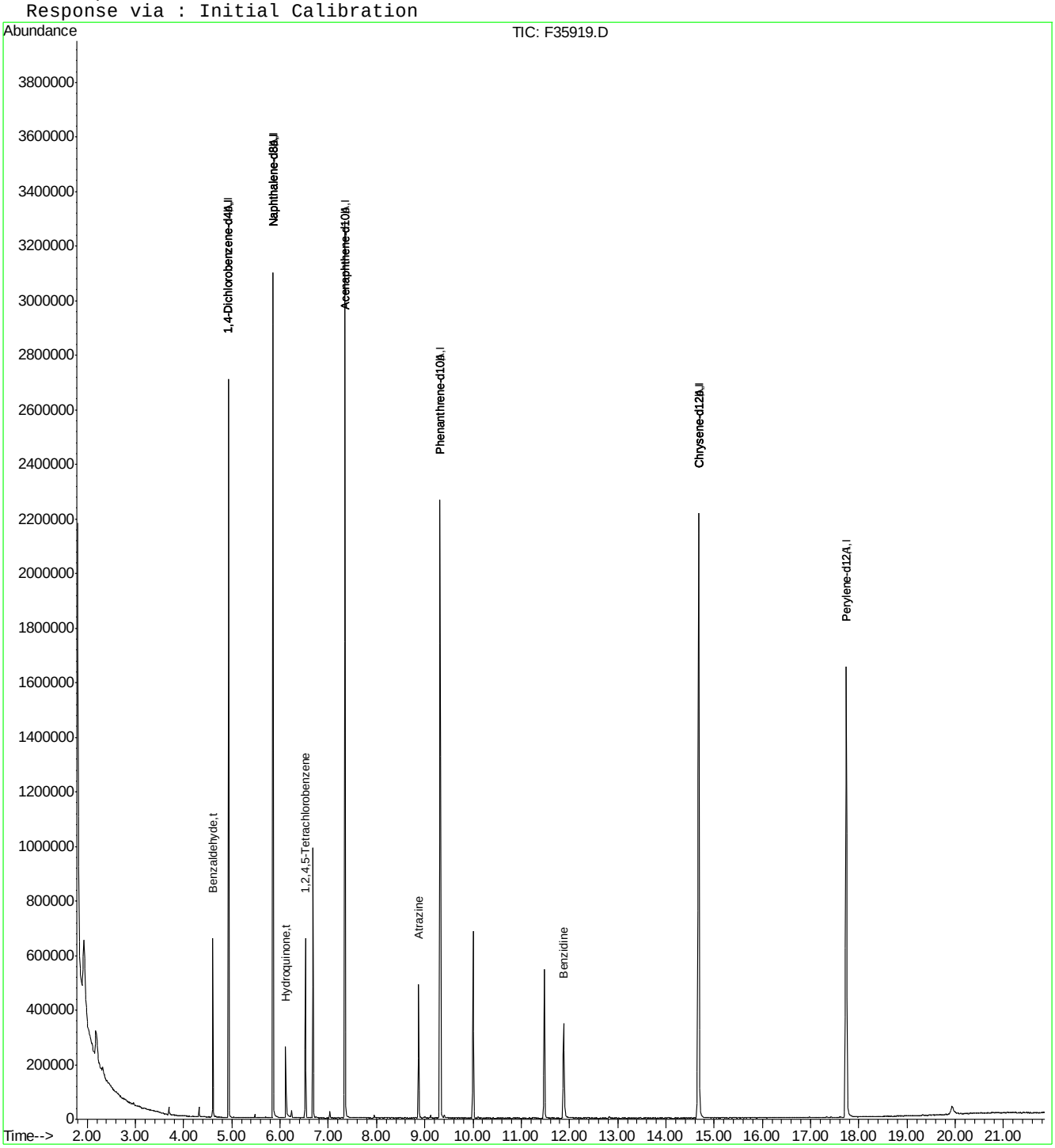
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	350701	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	1211727	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	723434	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	1178236	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	1170642	40.00	ppb	0.00
92) Perylene-d12	17.74	264	1043944	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	350701	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	1211727	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	723434	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	1178236	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	1170642	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	1043944	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	350701	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	1211727	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	723434	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	1178236	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	1170642	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	350701	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	1211727	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	1170642	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	1211727	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	105074	21.81	ppb	94
162) Hydroquinone	6.12	110	107580	10.46	ppb	100
164) 1,2,4,5-Tetrachlorobenzene	6.52	216	108248	12.16	ppb	98
166) Atrazine	8.87	200	65434	12.45	ppb	98
168) Benzidine	11.88	184	226070	24.22	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35919.D Vial: 6
Acq On : 12 Jun 2014 10:57 am Operator: ashleyd
Sample : ic5693-10 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 11:42 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35920.D Vial: 7
Acq On : 12 Jun 2014 11:26 am Operator: ashleyd
Sample : ic5693-5 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 12:38:16 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

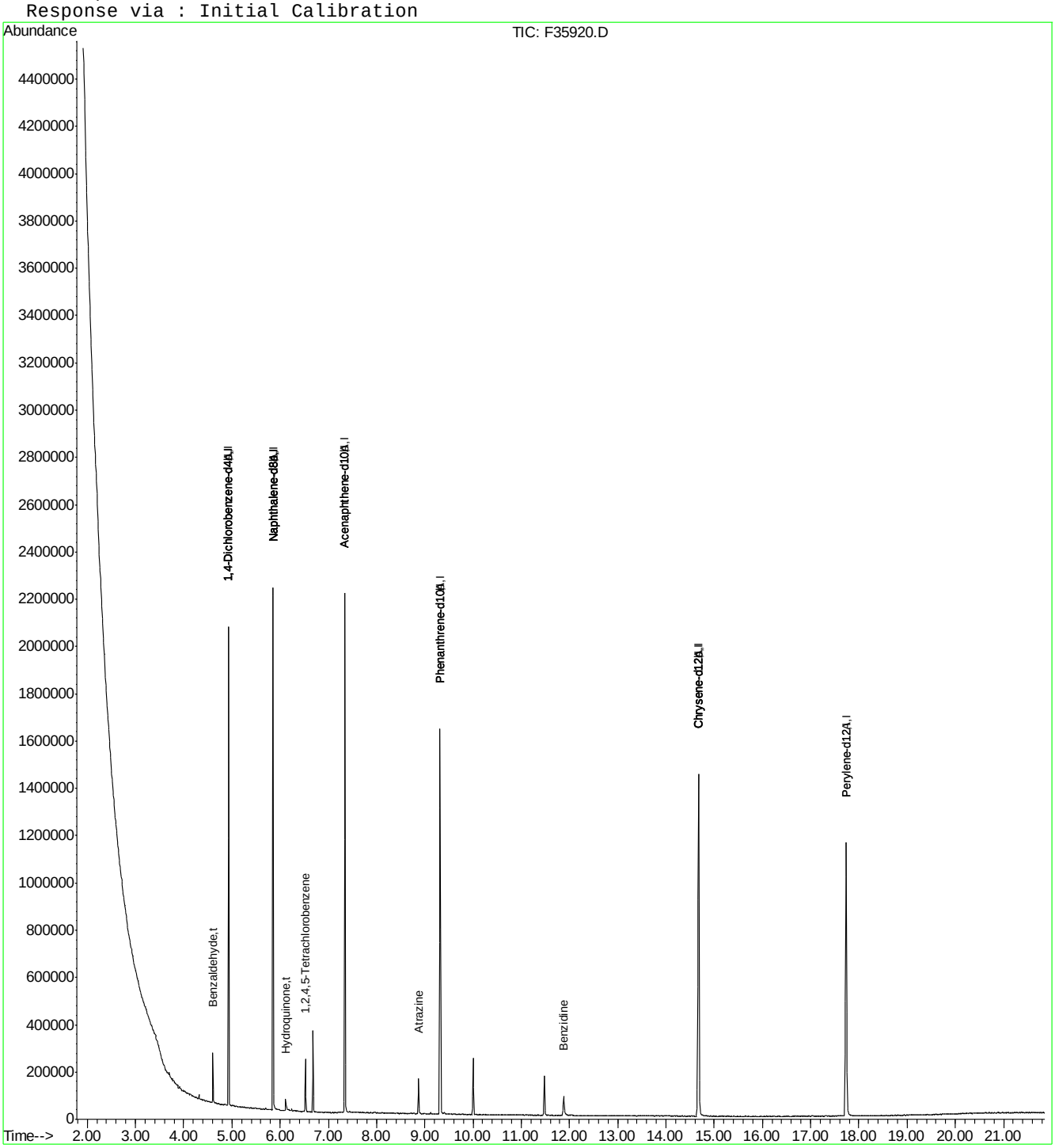
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	250435	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	880707	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	511195	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	807464	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	797699	40.00	ppb	0.00
92) Perylene-d12	17.74	264	705435	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	250435	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	880707	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	511195	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	807464	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	797699	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	705435	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	250435	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	880707	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	511195	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	807464	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	797699	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	250435	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	880707	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	797699	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	880707	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	35438	10.30	ppb	97
162) Hydroquinone	6.12	110	27748	3.71	ppb	99
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	37401	5.95	ppb	99
166) Atrazine	8.87	200	19420	5.39	ppb	99
168) Benzidine	11.88	184	60978	9.59	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35920.D Vial: 7
Acq On : 12 Jun 2014 11:26 am Operator: ashleyd
Sample : ic5693-5 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 12:38 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35921.D Vial: 8
Acq On : 12 Jun 2014 11:55 am Operator: ashleyd
Sample : ic5693-2 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 12:39:05 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 11:12:01 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

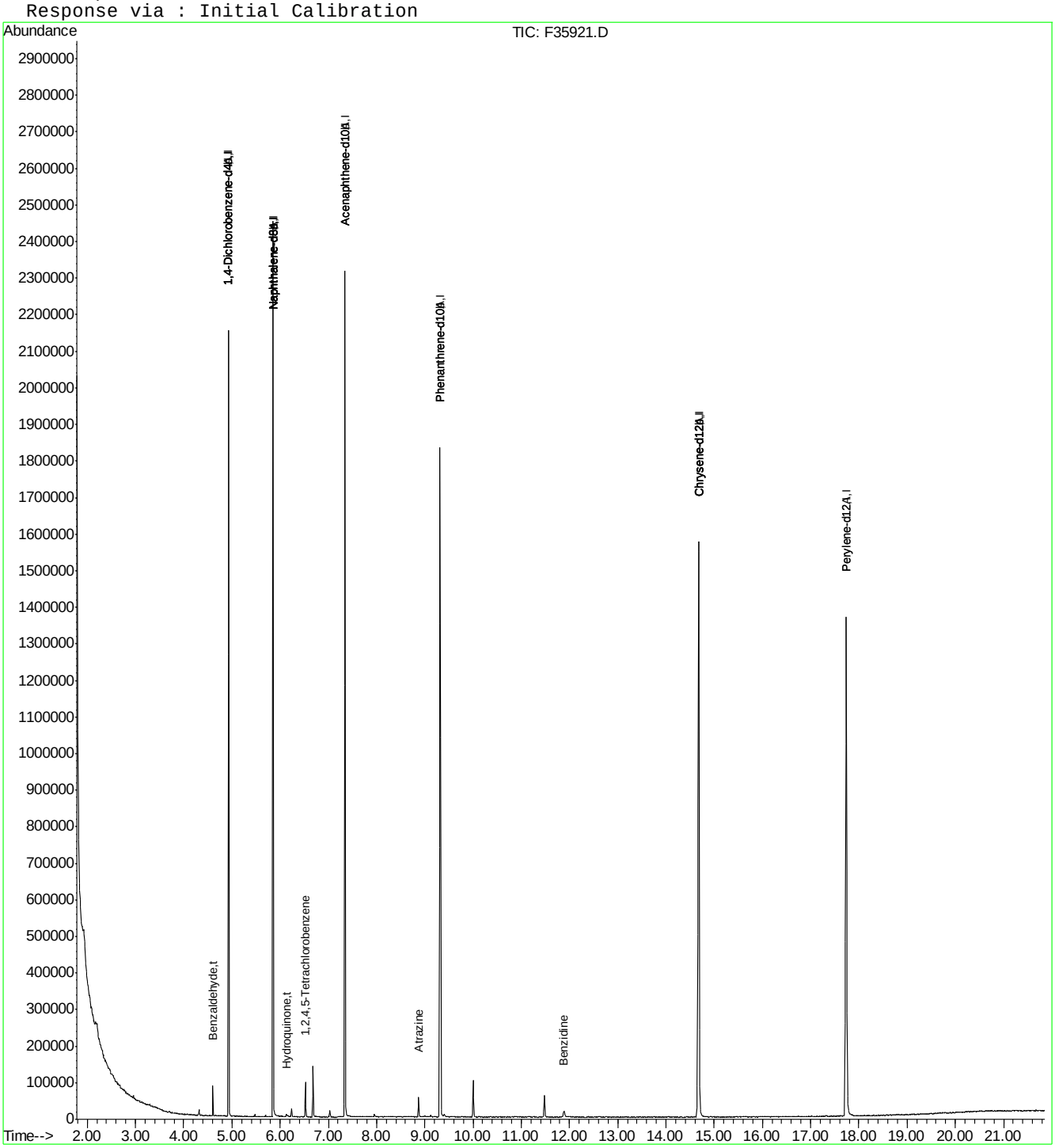
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	271834	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	953079	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	575546	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	922062	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	931033	40.00	ppb	0.00
92) Perylene-d12	17.74	264	813213	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	271834	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	953079	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	575546	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	922062	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	931033	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	813213	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	271834	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	953079	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	575546	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	922062	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	931033	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	271834	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	953079	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	931033	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	953079	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	15359	4.11	ppb	95
162) Hydroquinone	6.13	110	5666	0.70	ppb	86
164) 1,2,4,5-Tetrachlorobenzene	6.52	216	16753	2.37	ppb	94
166) Atrazine	8.87	200	8393	2.04	ppb	94
168) Benzidine	11.88	184	18774	2.53	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35921.D Vial: 8
Acq On : 12 Jun 2014 11:55 am Operator: ashleyd
Sample : ic5693-2 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 12:39 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/16/14 10:09

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35922.D Vial: 9
Acq On : 12 Jun 2014 12:24 pm Operator: ashleyd
Sample : ic5693-1 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 12:46:05 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 12:43:07 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

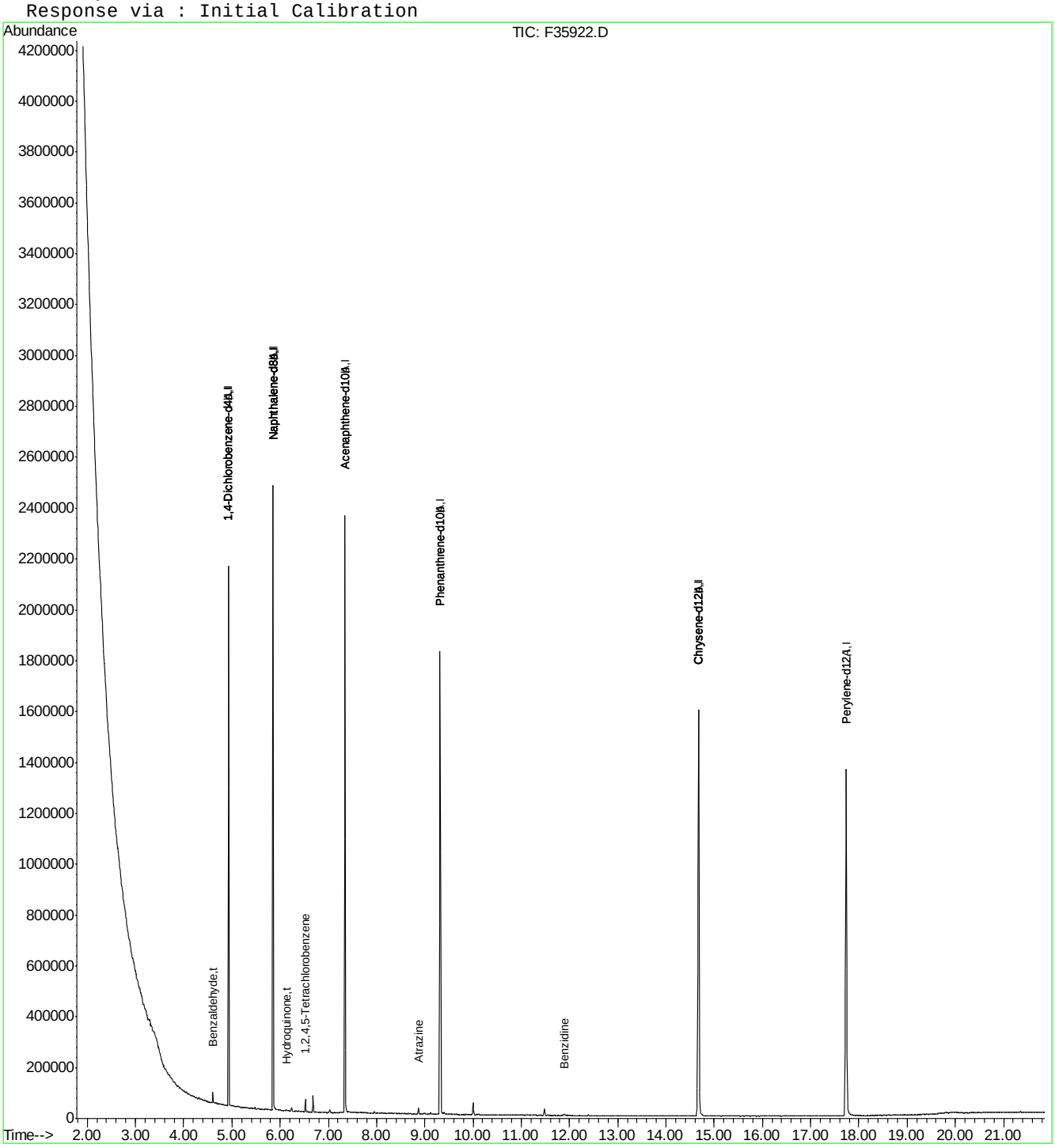
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	266511	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	950700	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	576587	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	916168	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	919224	40.00	ppb	0.00
92) Perylene-d12	17.74	264	811842	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	266511	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	950700	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	576587	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	916168	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	919224	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	811842	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	266511	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	950700	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	576587	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	916168	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	919224	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	266511	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	950700	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	919224	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	950700	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	7635	1.41	ppb	95
162) Hydroquinone	6.13	110	2183	0.25	ppb	84
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	7955	1.01	ppb	98
166) Atrazine	8.87	200	3509	0.75	ppb	96
168) Benzidine	11.88	184	8008m	0.88	ppb	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35922.D Vial: 9
Acq On : 12 Jun 2014 12:24 pm Operator: ashleyd
Sample : ic5693-1 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 13:01 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

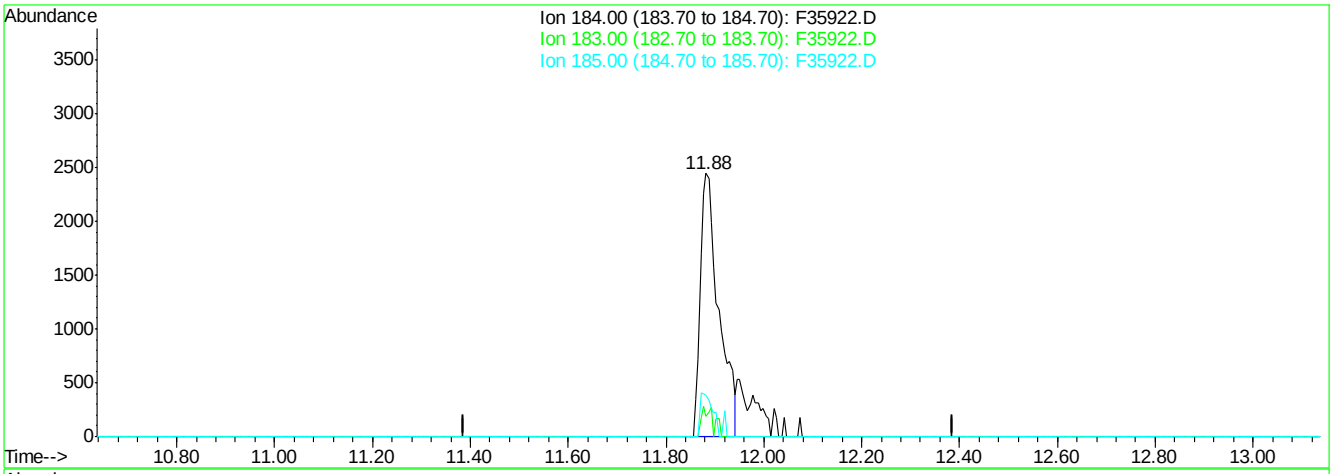
Sample Number:	EF5693-IC5693	**Method:**	SW846 8270D
Lab FileID:	F35922.D	**Analyst approved:**	06/12/14 16:25 Kristi Schollenberger
Injection Time:	06/12/14 12:24	**Supervisor approved:**	06/16/14 10:09 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzidine	92-87-5		11.88	Poor instrument integration

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35922.D Vial: 9
Acq On : 12 Jun 2014 12:24 pm Operator: ashleyd
Sample : ic5693-1 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 13:01 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 13:00:38 2014
Response via : Multiple Level Calibration



(168) Benzidine

11.88min 0.71ppb

response 6409

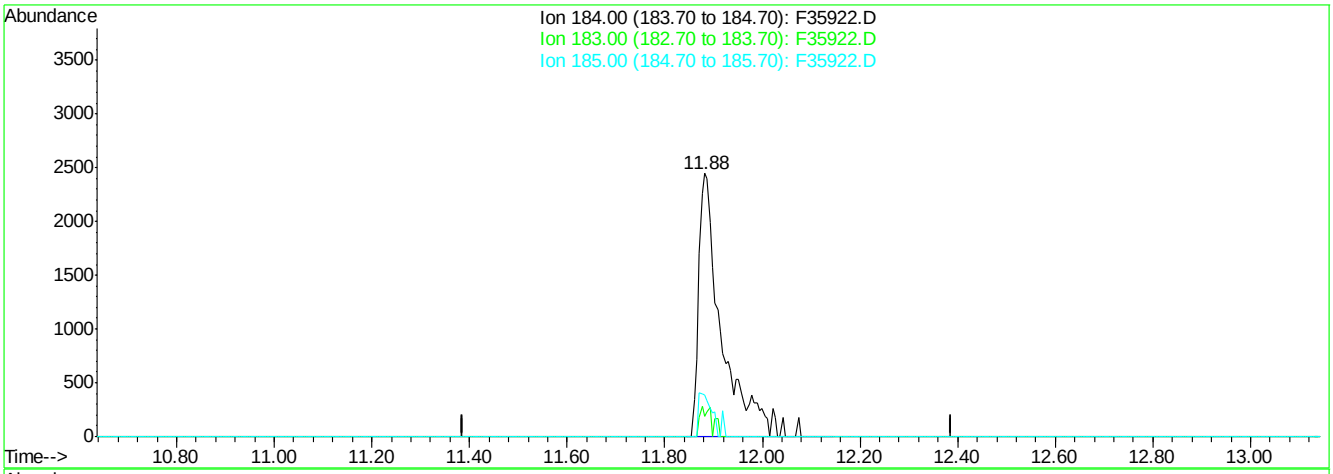
Ion	Exp%	Act%
184.00	100	100
183.00	11.40	8.52
185.00	15.10	17.27
0.00	0.00	0.00

F35922.D MF5692.M Thu Jun 12 13:01:25 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35922.D Vial: 9
Acq On : 12 Jun 2014 12:24 pm Operator: ashleyd
Sample : ic5693-1 Inst : MSF
Misc : op74333,ef5693 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 13:01 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Multiple Level Calibration



(168) Benzidine

11.88min 0.88ppb m

response 8008

Ion	Exp%	Act%
184.00	100	100
183.00	11.40	7.84
185.00	15.10	15.89
0.00	0.00	0.00

F35922.D MF5692.M Mon Jun 16 10:06:28 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:41:58 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	214464	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	745452	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	425570	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	661133	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	614708	40.00	ppb	0.00
92) Perylene-d12	17.74	264	581544	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	214464	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	745452	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	425570	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	661133	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	614708	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	581544	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	214464	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	745452	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	425570	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	661133	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	614708	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	214464	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	745452	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	614708	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	745452	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.85	79	392504	43.45	ppb	98
4) N-Nitrosodimethylamine	2.82	42	152118	39.42	ppb	98
11) bis(2-Chloroethyl)ether	4.73	93	331472	43.92	ppb	97
14) 1,3-Dichlorobenzene	4.89	146	382818	41.29	ppb	100
15) 1,4-Dichlorobenzene	4.94	146	373857	40.62	ppb	99
16) Benzyl alcohol	5.03	108	236605	42.23	ppb	99
17) 1,2-Dichlorobenzene	5.06	146	361375	41.70	ppb	100
20) 2,2'-oxybis(1-Chloropropan	5.12	121	115730	45.28	ppb	98
22) n-Nitroso-di-n-propylamine	5.21	70	236519	44.43	ppb	97
23) Hexachloroethane	5.31	201	126706	43.67	ppb	97
26) Nitrobenzene	5.34	77	336899	42.06	ppb	93
28) Isophorone	5.51	82	566770	40.76	ppb	96
32) bis(2-Chloroethoxy)methane	5.66	93	371825	45.46	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:41:58 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

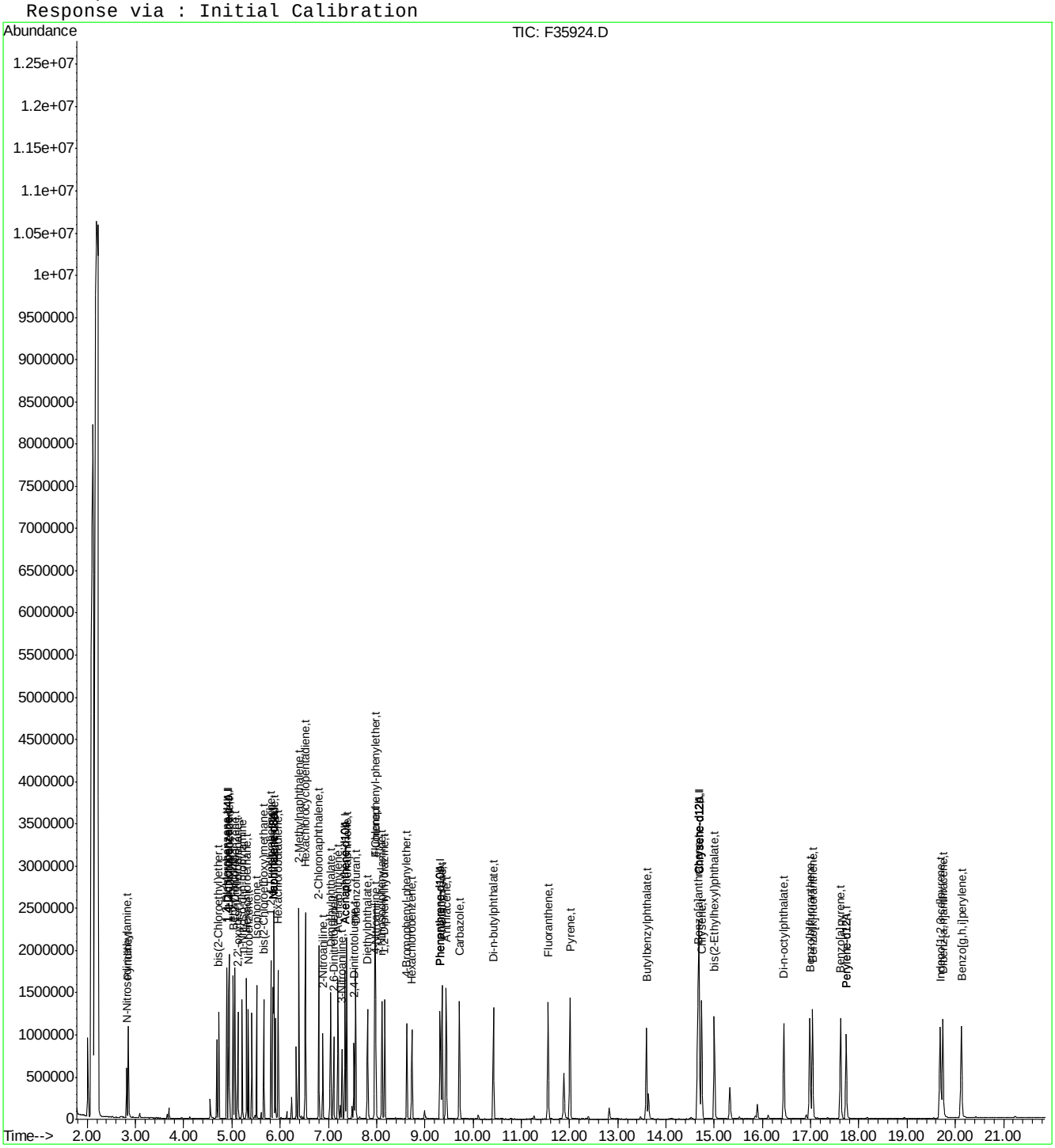
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	1,2,4-Trichlorobenzene	5.81	180	288838	42.62	ppb	99
38)	Naphthalene	5.87	128	914008	41.05	ppb	100
42)	Hexachlorobutadiene	5.96	225	150765	43.84	ppb	99
44)	2-Methylnaphthalene	6.39	141	521577	40.22	ppb	99
48)	Hexachlorocyclopentadiene	6.52	237	131517	42.11	ppb	99
52)	2-Chloronaphthalene	6.80	162	557217	41.13	ppb	96
54)	2-Nitroaniline	6.89	65	161448	43.13	ppb	96
55)	Dimethylphthalate	7.05	163	592485	42.37	ppb	99
56)	Acenaphthylene	7.20	152	785818	36.35	ppb	99
57)	2,6-Dinitrotoluene	7.11	165	134520	43.20	ppb	91
58)	3-Nitroaniline	7.28	138	151499	39.96	ppb	98
59)	Acenaphthene	7.38	153	584714	42.73	ppb	99
62)	Dibenzofuran	7.57	168	784609	41.44	ppb	100
63)	2,4-Dinitrotoluene	7.53	165	172606	41.90	ppb	95
65)	Diethylphthalate	7.82	149	583587	42.05	ppb	98
66)	Fluorene	7.97	166	620182	41.19	ppb	99
67)	4-Chlorophenyl-phenylether	7.97	204	289362	43.25	ppb	99
68)	4-Nitroaniline	7.99	138	158447	41.47	ppb	97
71)	n-Nitrosodiphenylamine	8.12	169	435041	45.72	ppb	99
72)	1,2-Diphenylhydrazine	8.17	77	632088	42.84	ppb	98
74)	4-Bromophenyl-phenylether	8.63	248	164109	45.97	ppb	98
75)	Hexachlorobenzene	8.74	284	163626	41.34	ppb	100
77)	Phenanthrene	9.36	178	848858	41.47	ppb	99
78)	Anthracene	9.44	178	874612	43.08	ppb	100
79)	Carbazole	9.72	167	824101	42.38	ppb	99
80)	Di-n-butylphthalate	10.42	149	962152	46.12	ppb	100
81)	Fluoranthene	11.56	202	897434	43.22	ppb	97
84)	Pyrene	12.02	202	931945	42.43	ppb	99
86)	Butylbenzylphthalate	13.60	149	412586	46.68	ppb	98
88)	Benzo[a]anthracene	14.66	228	795327	40.76	ppb	100
90)	Chrysene	14.74	228	791569	42.23	ppb	100
91)	bis(2-Ethylhexyl)phthalate	15.00	149	562234	47.99	ppb	99
93)	Di-n-octylphthalate	16.44	149	975156	43.13	ppb	99
94)	Benzo[b]fluoranthene	16.98	252	837373	36.93	ppb	100
95)	Benzo[k]fluoranthene	17.04	252	858544	38.48	ppb	99
96)	Benzo[a]pyrene	17.62	252	776383	40.53	ppb	100
97)	Indeno[1,2,3-cd]pyrene	19.69	276	717897	42.23	ppb	98
99)	Dibenz[a,h]anthracene	19.74	278	740446	42.30	ppb	99
101)	Benzo[g,h,i]perylene	20.13	276	769538	42.52	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:58 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924A.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:41:58 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	214464	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	745452	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	425570	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	661133	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	614708	40.00	ppb	0.00
92) Perylene-d12	17.74	264	581544	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	214464	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	745452	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	425570	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	661133	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	614708	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	581544	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	214464	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	745452	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	425570	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	661133	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	614708	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	214464	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	745452	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	614708	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	745452	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
164) 1,2,4,5-Tetrachlorobenzene	6.53	216	297685	49.60	ppb	98

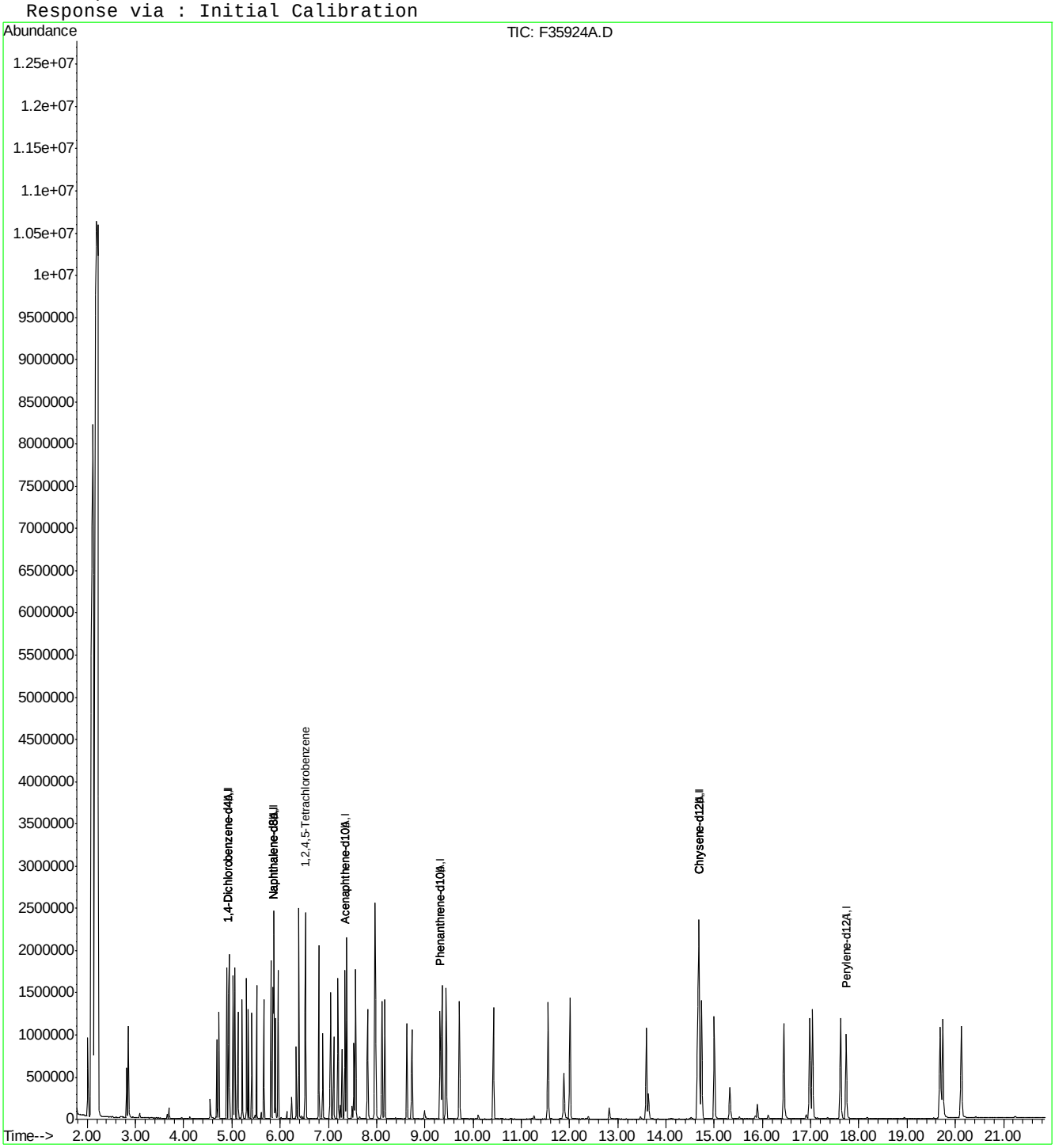
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F35924A.D MF5692.M Thu Jun 12 15:59:44 2014 RT1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35924A.D Vial: 11
Acq On : 12 Jun 2014 1:22 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:59 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:45:51 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

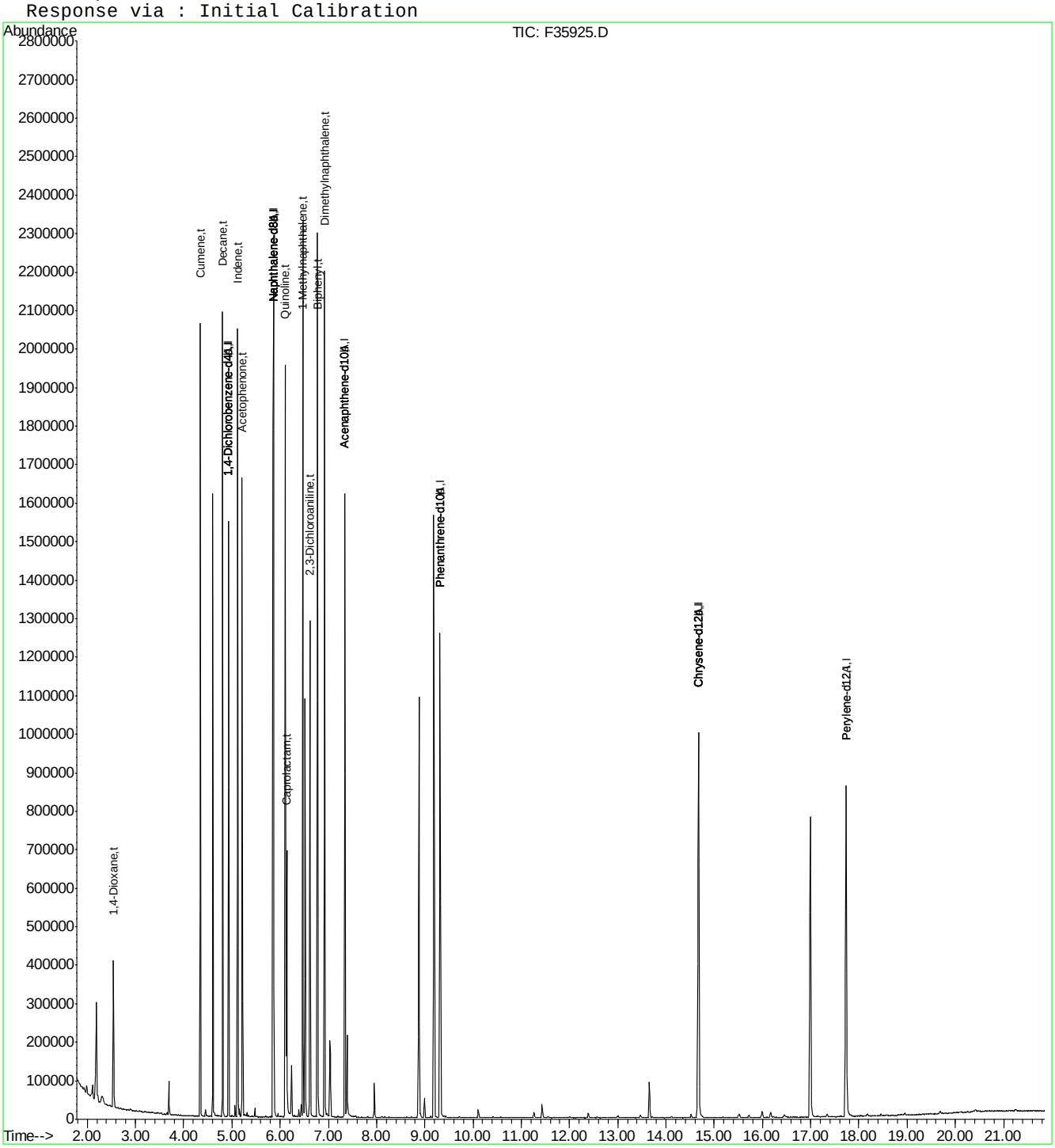
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	192210	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	767529	40.00	ppb	0.00
47) Acenaphthene-d10	7.34	164	397128	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	616359	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	575951	40.00	ppb	0.00
92) Perylene-d12	17.74	264	500747	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	192210	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	767529	40.00	ppb	0.00
121) Acenaphthene-d10A	7.34	164	397128	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	616359	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	575951	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	500747	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	192210	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	767529	40.00	ppb	0.00
163) Acenaphthene-d10b	7.34	164	397128	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	616359	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	575951	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	192210	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	767529	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	575951	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	767529	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	139410	40.62	ppb	98
6) Indene	5.12	116	557922	44.52	ppb	99
7) Cumene	4.35	105	719058	41.64	ppb	98
13) Decane	4.81	43	291234	37.51	ppb	97
18) Acetophenone	5.21	105	419976	42.59	ppb	95
27) Quinoline	6.11	129	610790	37.64	ppb	99
40) 2,3-Dichloroaniline	6.62	161	273805	35.08	ppb	97
41) Caprolactam	6.14	55	128340	35.49	ppb	98
45) 1-Methylnaphthalene	6.47	142	577235	37.48	ppb	99
46) Dimethylnaphthalene	6.92	156	522590	38.12	ppb	99
53) Biphenyl	6.77	154	698140	41.17	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:59 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925A.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:45:51 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

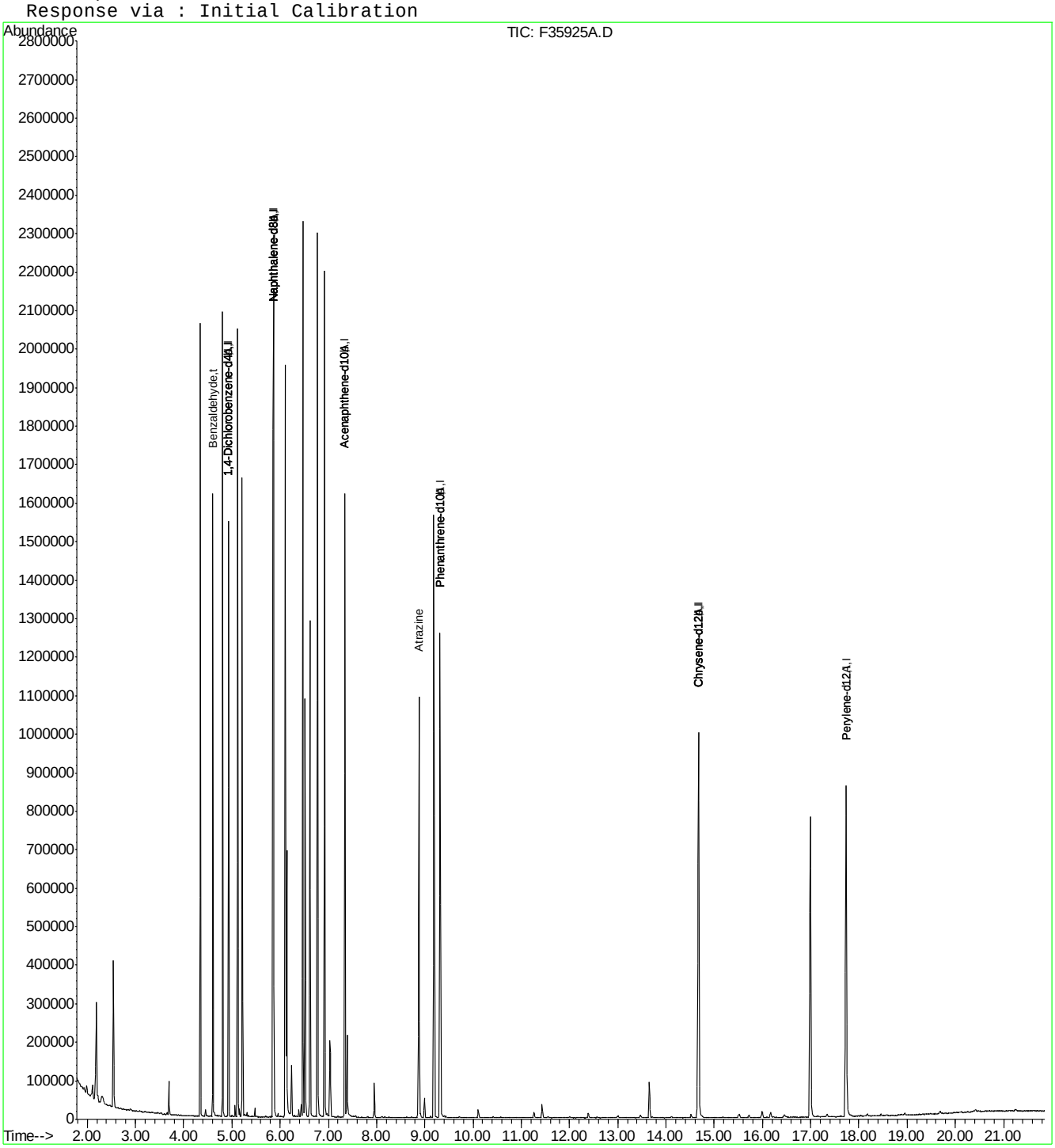
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	192210	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	767529	40.00	ppb	0.00
47) Acenaphthene-d10	7.34	164	397128	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	616359	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	575951	40.00	ppb	0.00
92) Perylene-d12	17.74	264	500747	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	192210	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	767529	40.00	ppb	0.00
121) Acenaphthene-d10A	7.34	164	397128	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	616359	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	575951	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	500747	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	192210	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	767529	40.00	ppb	0.00
163) Acenaphthene-d10b	7.34	164	397128	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	616359	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	575951	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	192210	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	767529	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	575951	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	767529	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
160) Benzaldehyde	4.61	105	264860	56.09	ppb	96
166) Atrazine	8.88	200	157079	52.19	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35925A.D Vial: 12
Acq On : 12 Jun 2014 1:51 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,bn2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 16:00 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35926.D Vial: 13
Acq On : 12 Jun 2014 2:20 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,surr Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:48:13 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

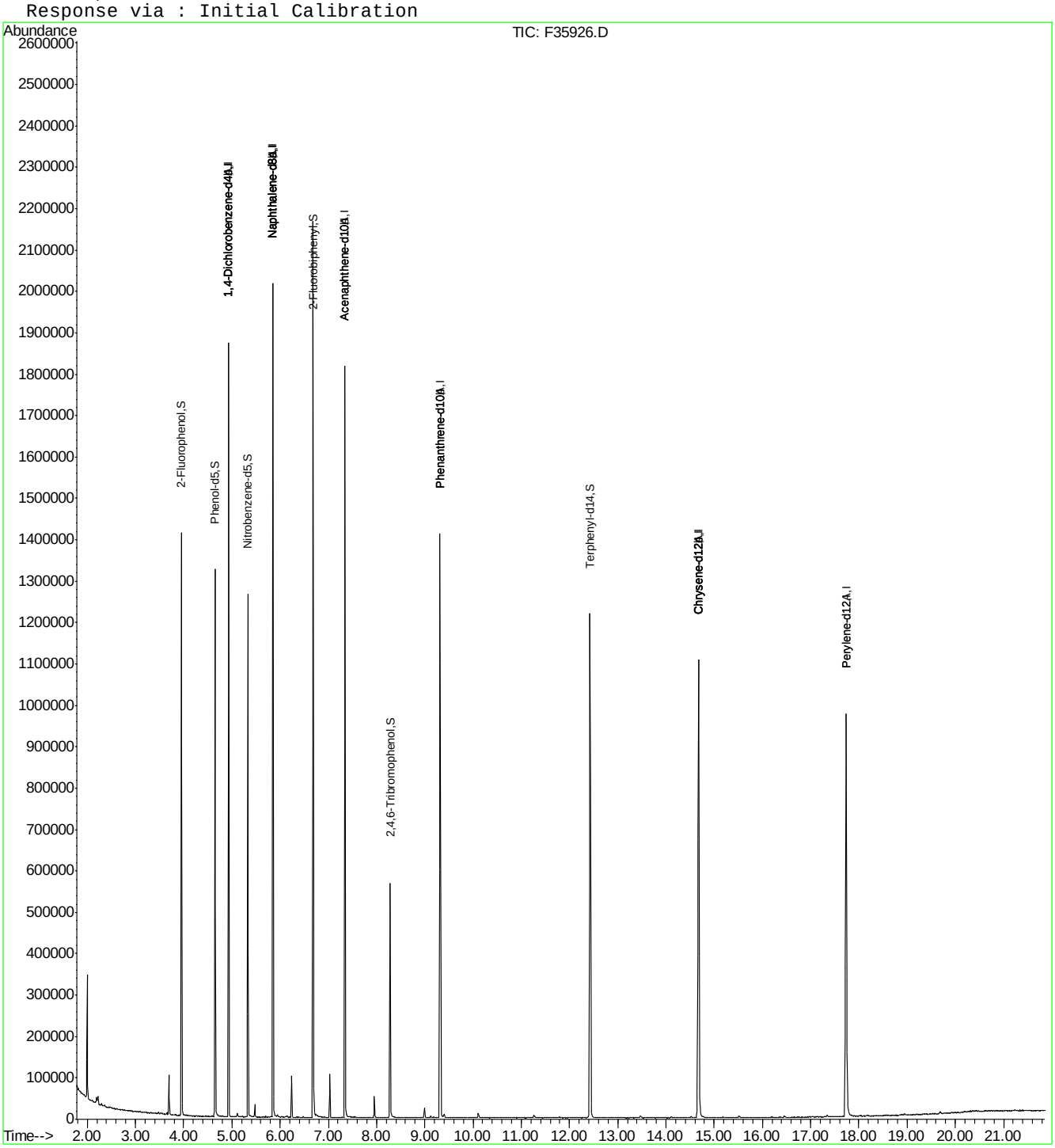
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	235832	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	809165	40.00	ppb	0.00
47) Acenaphthene-d10	7.34	164	463402	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	697564	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	641557	40.00	ppb	0.00
92) Perylene-d12	17.74	264	579476	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	235832	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	809165	40.00	ppb	0.00
121) Acenaphthene-d10A	7.34	164	463402	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	697564	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	641557	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	579476	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	235832	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	809165	40.00	ppb	0.00
163) Acenaphthene-d10b	7.34	164	463402	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	697564	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	641557	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	235832	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	809165	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	641557	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	809165	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	339162	39.86	ppb	0.00
Spiked Amount 50.000			Recovery = 79.72%			
8) Phenol-d5	4.65	99	409706	38.45	ppb	0.00
Spiked Amount 50.000			Recovery = 76.90%			
25) Nitrobenzene-d5	5.33	82	343111	40.19	ppb	0.00
Spiked Amount 50.000			Recovery = 80.38%			
51) 2-Fluorobiphenyl	6.68	172	672982	41.69	ppb	0.00
Spiked Amount 50.000			Recovery = 83.38%			
73) 2,4,6-Tribromophenol	8.28	330	70096	44.75	ppb	0.00
Spiked Amount 50.000			Recovery = 89.50%			
85) Terphenyl-d14	12.43	244	636071	43.61	ppb	0.00
Spiked Amount 50.000			Recovery = 87.22%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35926.D Vial: 13
Acq On : 12 Jun 2014 2:20 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,surr Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:48 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35927.D Vial: 14
Acq On : 12 Jun 2014 2:49 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,aniline Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:49:04 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

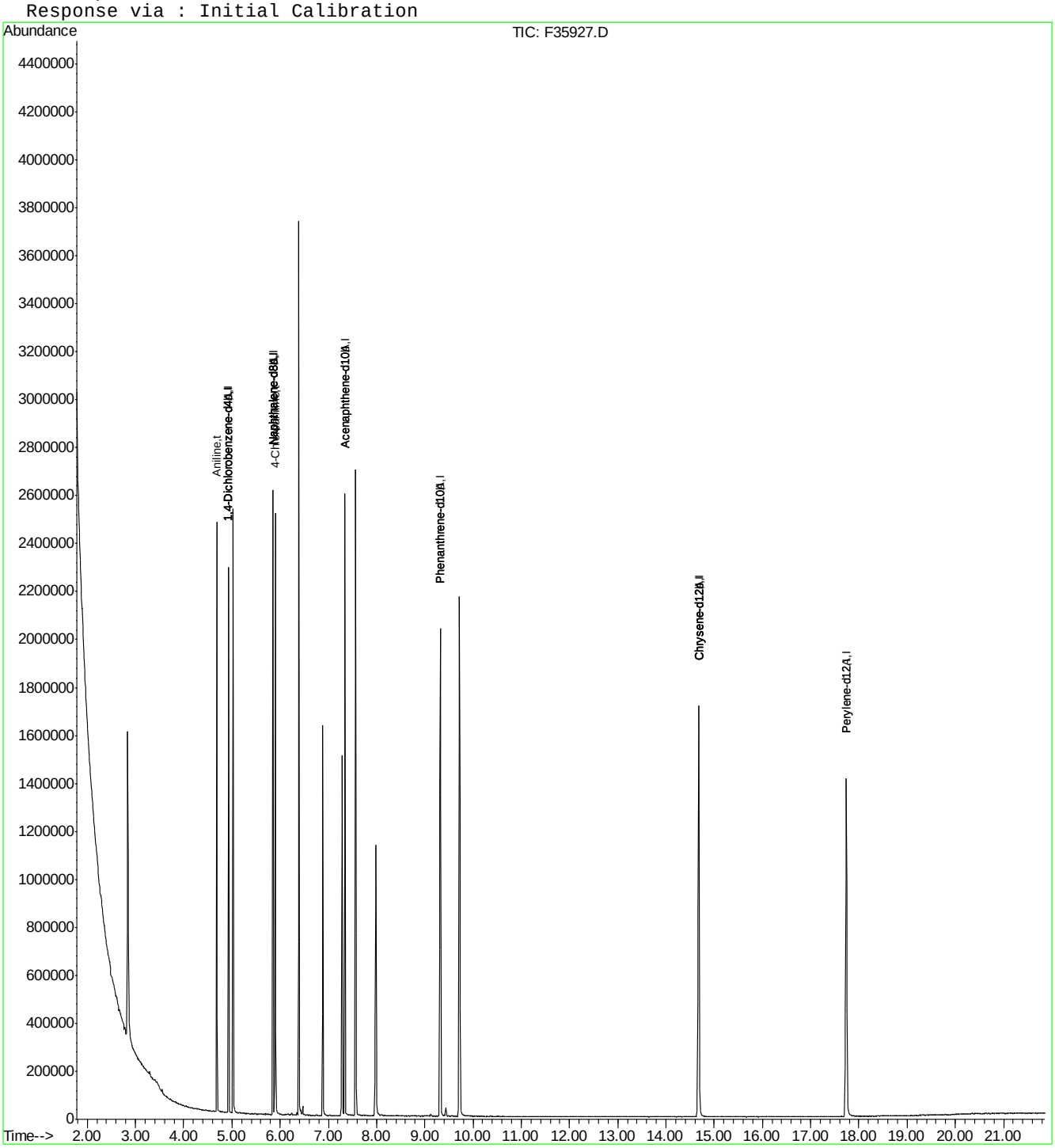
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	289719	40.00	ppb	0.00
24) Naphthalene-d8	5.86	136	1029544	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	634060	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	1020142	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	1031978	40.00	ppb	0.00
92) Perylene-d12	17.74	264	886681	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	289719	40.00	ppb	0.00
112) Naphthalene-d8A	5.86	136	1029544	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	634060	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	1020142	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	1031978	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	886681	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	289719	40.00	ppb	0.00
161) Naphthalene-d8b	5.86	136	1029544	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	634060	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	1020142	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	1031978	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	289719	40.00	ppb	0.00
171) Naphthalene-d8c	5.86	136	1029544	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	1031978	40.00	ppb	0.00
178) Naphthalene-d8a	5.86	136	1029544	40.00	ppb	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.69	93	796170	45.26	ppb	99
39) 4-Chloroaniline	5.90	127	620684	46.92	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35927.D Vial: 14
Acq On : 12 Jun 2014 2:49 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,aniline Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:49 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:49:58 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

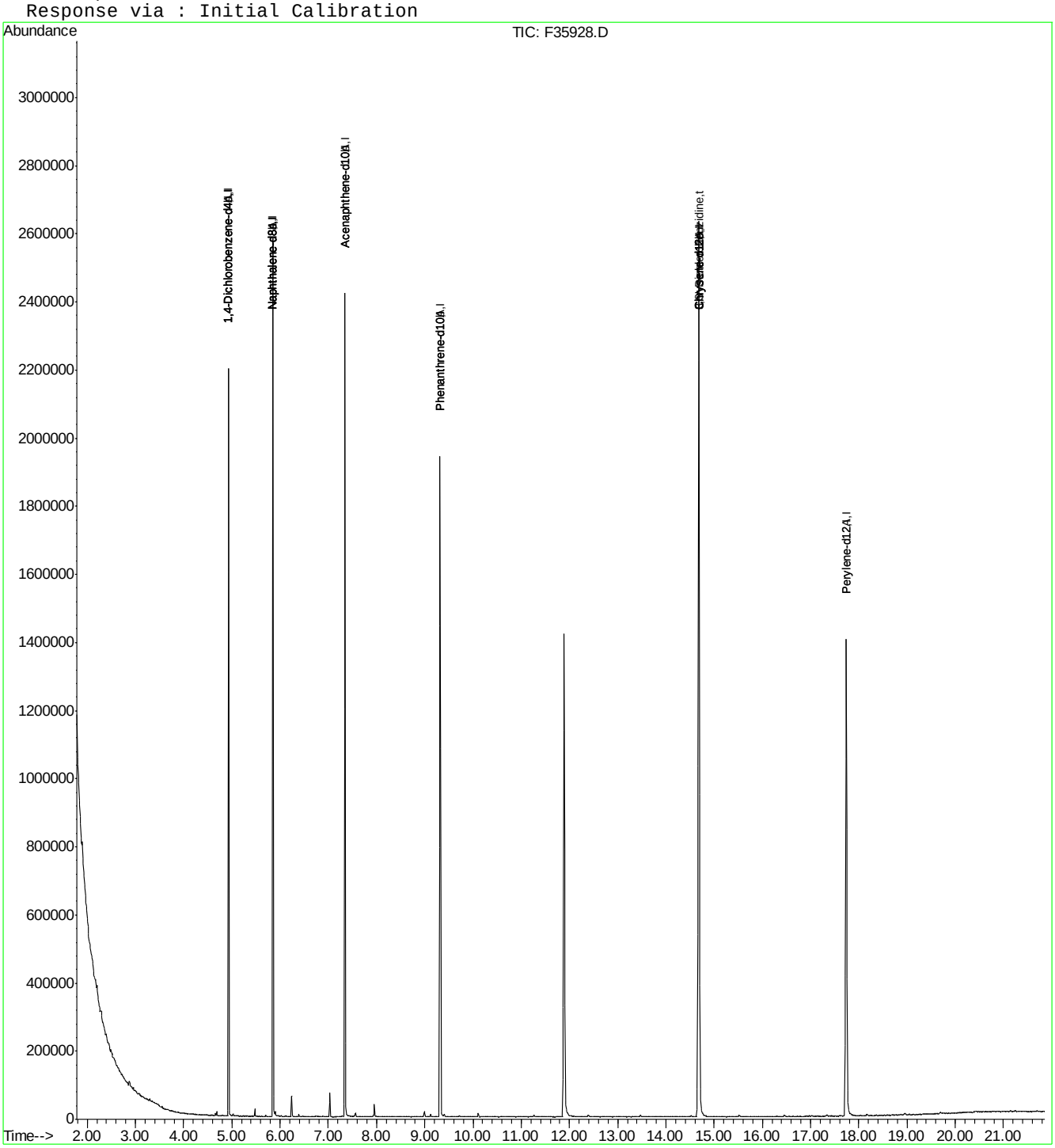
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	290141	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	1020490	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	615968	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	984273	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	964145	40.00	ppb	0.00
92) Perylene-d12	17.74	264	872816	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	290141	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	1020490	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	615968	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	984273	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	964145	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	872816	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	290141	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	1020490	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	615968	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	984273	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	964145	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	290141	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	1020490	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	964145	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	1020490	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.69	252	438572	44.75	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F35928.D MF5692.M Thu Jun 12 16:02:27 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 16:02 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928A.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 15:49:58 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

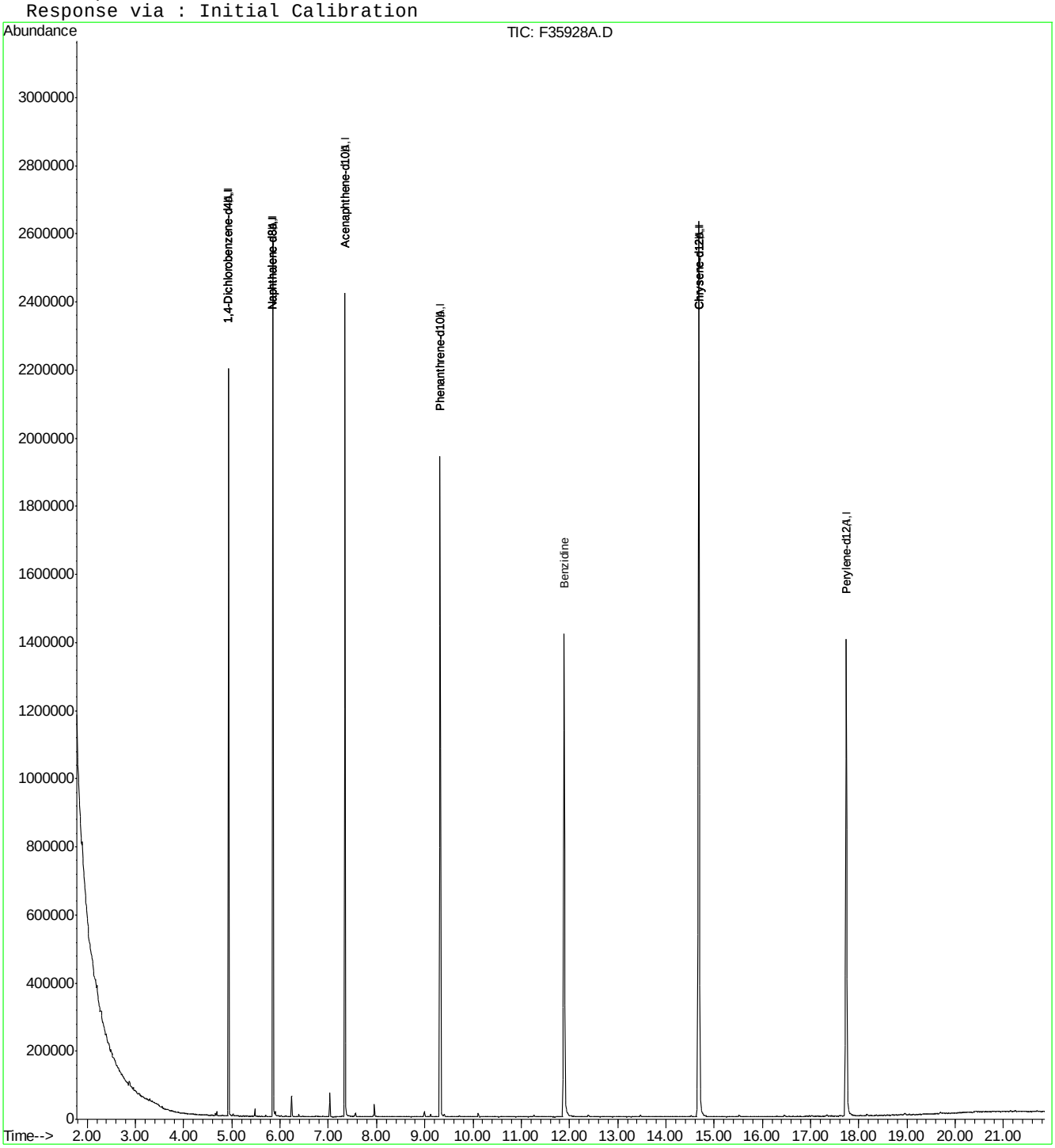
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	290141	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	1020490	40.00	ppb	0.00
47) Acenaphthene-d10	7.35	164	615968	40.00	ppb	0.00
69) Phenanthrene-d10	9.32	188	984273	40.00	ppb	0.00
83) Chrysene-d12	14.68	240	964145	40.00	ppb	0.00
92) Perylene-d12	17.74	264	872816	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.93	152	290141	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	1020490	40.00	ppb	0.00
121) Acenaphthene-d10A	7.35	164	615968	40.00	ppb	0.00
132) Phenanthrene-d10A	9.32	188	984273	40.00	ppb	0.00
147) Chrysene-d12A	14.68	240	964145	40.00	ppb	0.00
155) Perylene-d12A	17.74	264	872816	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.93	152	290141	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	1020490	40.00	ppb	0.00
163) Acenaphthene-d10b	7.35	164	615968	40.00	ppb	0.00
165) Phenanthrene-d10b	9.32	188	984273	40.00	ppb	0.00
167) Chrysene-d12b	14.68	240	964145	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.93	152	290141	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	1020490	40.00	ppb	0.00
176) Chrysene-d12c	14.68	240	964145	40.00	ppb	0.00
178) Naphthalene-d8a	5.85	136	1020490	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
168) Benzidine	11.89	184	884579	78.98	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5693\F35928A.D Vial: 15
Acq On : 12 Jun 2014 3:18 pm Operator: ashleyd
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5693,benzedine Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 12 16:02 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35957.D Vial: 2
Acq On : 13 Jun 2014 8:24 am Operator: kristis
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 08:46:53 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	166423	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	600391	40.00	ppb	-0.01
47) Acenaphthene-d10	7.34	164	351870	40.00	ppb	-0.01
69) Phenanthrene-d10	9.31	188	561782	40.00	ppb	-0.02
83) Chrysene-d12	14.66	240	553683	40.00	ppb	-0.02
92) Perylene-d12	17.72	264	510267	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.93	152	166423	40.00	ppb	0.00
112) Naphthalene-d8A	5.85	136	600391	40.00	ppb	-0.01
121) Acenaphthene-d10A	7.34	164	351870	40.00	ppb	-0.01
132) Phenanthrene-d10A	9.31	188	561782	40.00	ppb	-0.02
147) Chrysene-d12A	14.66	240	553683	40.00	ppb	-0.02
155) Perylene-d12A	17.72	264	510267	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.93	152	166423	40.00	ppb	0.00
161) Naphthalene-d8b	5.85	136	600391	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.34	164	351870	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.31	188	561782	40.00	ppb	-0.02
167) Chrysene-d12b	14.66	240	553683	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.93	152	166423	40.00	ppb	0.00
171) Naphthalene-d8c	5.85	136	600391	40.00	ppb	-0.01
176) Chrysene-d12c	14.66	240	553683	40.00	ppb	-0.02
178) Naphthalene-d8a	5.85	136	600391	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	4.65	94	379748	46.02	ppb	85
12) 2-Chlorophenol	4.77	128	312901	47.93	ppb	98
19) 2-Methylphenol	5.10	108	282413	47.81	ppb	99
21) 3&4-Methylphenol	5.20	108	292422	48.19	ppb	98
29) 2-Nitrophenol	5.57	139	163835	53.09	ppb	90
30) 2,4-Dimethylphenol	5.59	107	274343	46.81	ppb	99
31) Benzoic acid	5.66	105	202580	52.41	ppb	97
33) 2,4-Dichlorophenol	5.74	162	241166	50.62	ppb	97
34) 2,6-Dichlorophenol	5.90	162	235491	52.54	ppb	99
43) 4-Chloro-3-methylphenol	6.24	107	242504	48.75	ppb	96
49) 2,4,6-Trichlorophenol	6.61	196	168806	51.18	ppb	99
50) 2,4,5-Trichlorophenol	6.64	196	172247	50.58	ppb	98
60) 2,4-Dinitrophenol	7.38	184	73319	54.05	ppb #	46

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35957.D Vial: 2
Acq On : 13 Jun 2014 8:24 am Operator: kristis
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 08:46:53 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

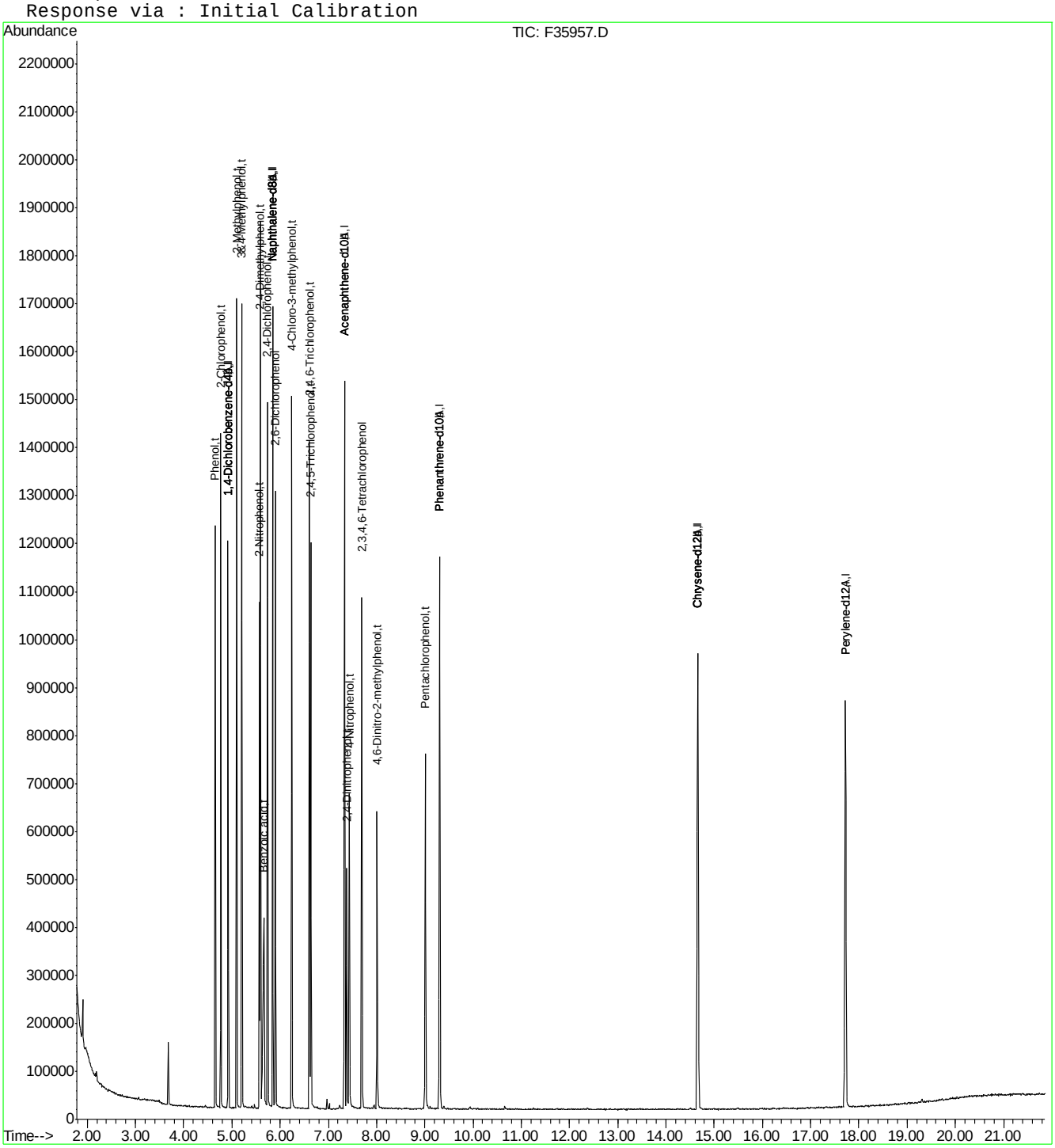
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
61)	4-Nitrophenol	7.44	109	77318	53.01	ppb	98
64)	2,3,4,6-Tetrachlorophenol	7.69	232	138797	52.97	ppb	99
70)	4,6-Dinitro-2-methylphenol	8.01	198	105946	51.65	ppb	99
76)	Pentachlorophenol	9.01	266	110849	60.98	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F35957.D MF5692.M Fri Jun 13 13:29:54 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35957.D Vial: 2
Acq On : 13 Jun 2014 8:24 am Operator: kristis
Sample : icv5692-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 13:29 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



F35957.D MF5692.M Fri Jun 13 13:29:54 2014 RT1 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35958.D Vial: 3
Acq On : 13 Jun 2014 8:54 am Operator: kristis
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 13:30:02 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

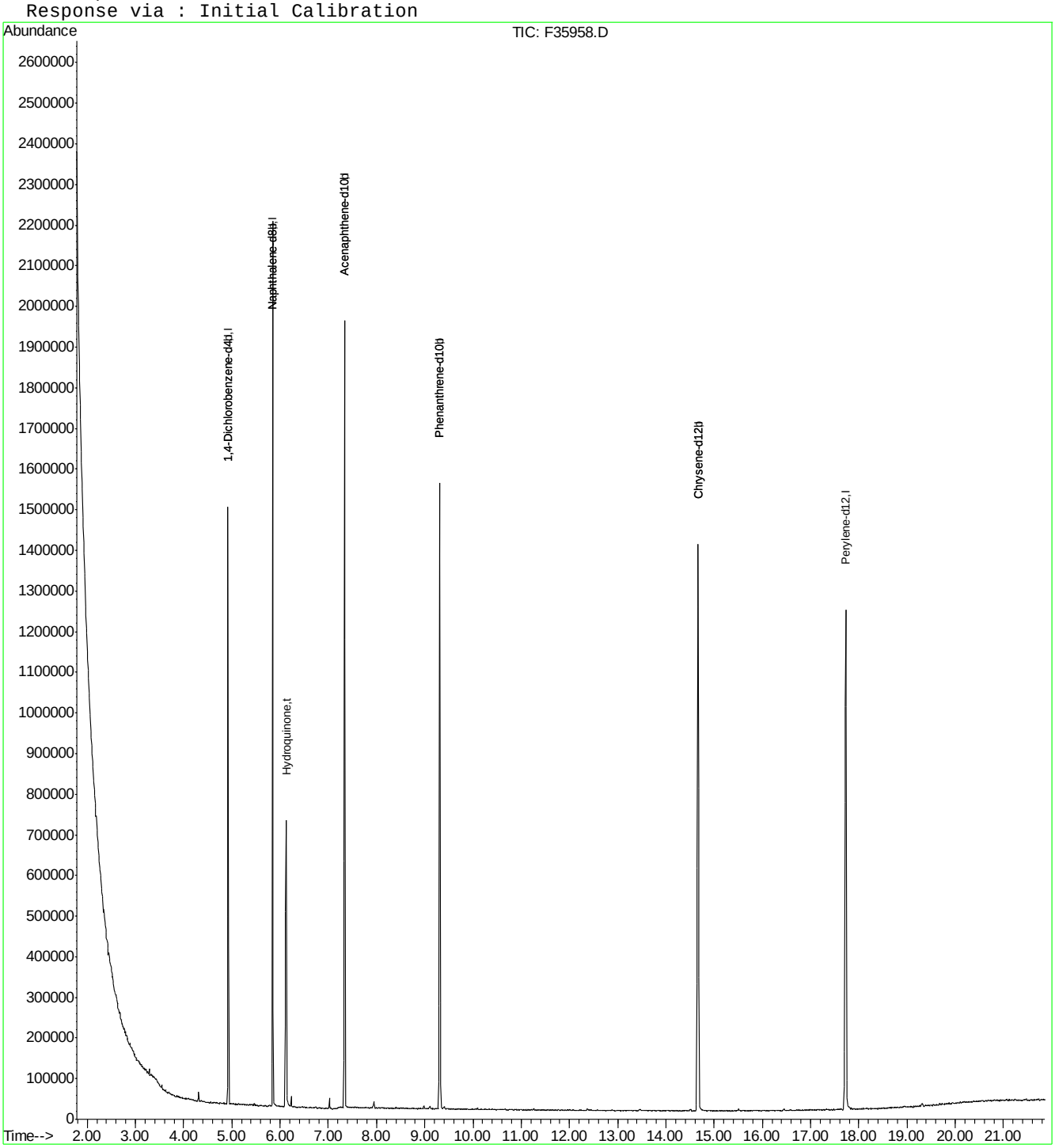
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.93	152	210148	40.00	ppb	0.00
24) Naphthalene-d8	5.85	136	764194	40.00	ppb	-0.01
47) Acenaphthene-d10	7.34	164	458015	40.00	ppb	-0.01
69) Phenanthrene-d10	9.31	188	764212	40.00	ppb	-0.02
83) Chrysene-d12	14.67	240	827423	40.00	ppb	-0.02
92) Perylene-d12	17.73	264	758344	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4b	4.93	152	210148	40.00	ppb	0.00
104) Naphthalene-d8b	5.85	136	764194	40.00	ppb	-0.01
106) Acenaphthene-d10b	7.34	164	458015	40.00	ppb	-0.01
108) Phenanthrene-d10b	9.31	188	764212	40.00	ppb	-0.02
110) Chrysene-d12b	14.67	240	827423	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
105) Hydroquinone	6.13	110	426060	64.53	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F35958.D MF5692.M Fri Jun 13 13:30:23 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5695\F35958.D Vial: 3
Acq On : 13 Jun 2014 8:54 am Operator: kristis
Sample : icv5693-50 Inst : MSF
Misc : op74333,ef5695,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 13 13:30 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 12 15:41:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:29:59 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.87	152	131260	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	467477	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	274409	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	428680	40.00	ppb	0.00
83) Chrysene-d12	14.56	240	402759	40.00	ppb	0.00
92) Perylene-d12	17.63	264	349481	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.87	152	131260	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	467477	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	274409	40.00	ppb	0.00
132) Phenanthrene-d10A	9.22	188	428680	40.00	ppb	0.00
147) Chrysene-d12A	14.56	240	402759	40.00	ppb	0.00
155) Perylene-d12A	17.63	264	349481	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.87	152	131260	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	467477	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	274409	40.00	ppb	0.00
165) Phenanthrene-d10b	9.22	188	428680	40.00	ppb	0.00
167) Chrysene-d12b	14.56	240	402759	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.87	152	131260	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	467477	40.00	ppb	0.00
176) Chrysene-d12c	14.56	240	402759	40.00	ppb	0.00
178) Naphthalene-d8a	5.79	136	467477	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.40	93	478782	100.00	ppb	100
104) Pentachloroethane	4.66	167	173007	100.00	ppb	100
105) Methyl methanesulfonate	3.75	80	225021	100.00	ppb	100
106) N-Nitrosodiethylamine	4.06	102	210883	100.00	ppb	100
107) N-Nitrosomethylethylamine	3.50	42	194677	100.00	ppb	100
108) Ethyl methanesulfonate	4.29	79	310678	100.00	ppb	100
109) N-Nitrosopyrrolidine	5.16	41	162454m	62.95	ppb	
110) N-Nitrosomorpholine	5.17	56	207472	100.00	ppb	100
111) o-Toluidine	5.19	106	556495	100.00	ppb #	37
113) O,O,O-Triethyl phosphoroth	5.58	198	187616	100.00	ppb	100
114) N-Nitrosopiperidine	5.39	42	231567	100.00	ppb	100
115) A,A-Dimethylphenethylamine	5.80	58	994437m	99.93	ppb	
116) Hexachloropropene	5.87	213	246299	100.00	ppb	100

(#) = qualifier out of range (m) = manual integration
F36118.D MFAP5692.M Thu Jun 19 11:13:54 2014 RT1 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:29:59 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

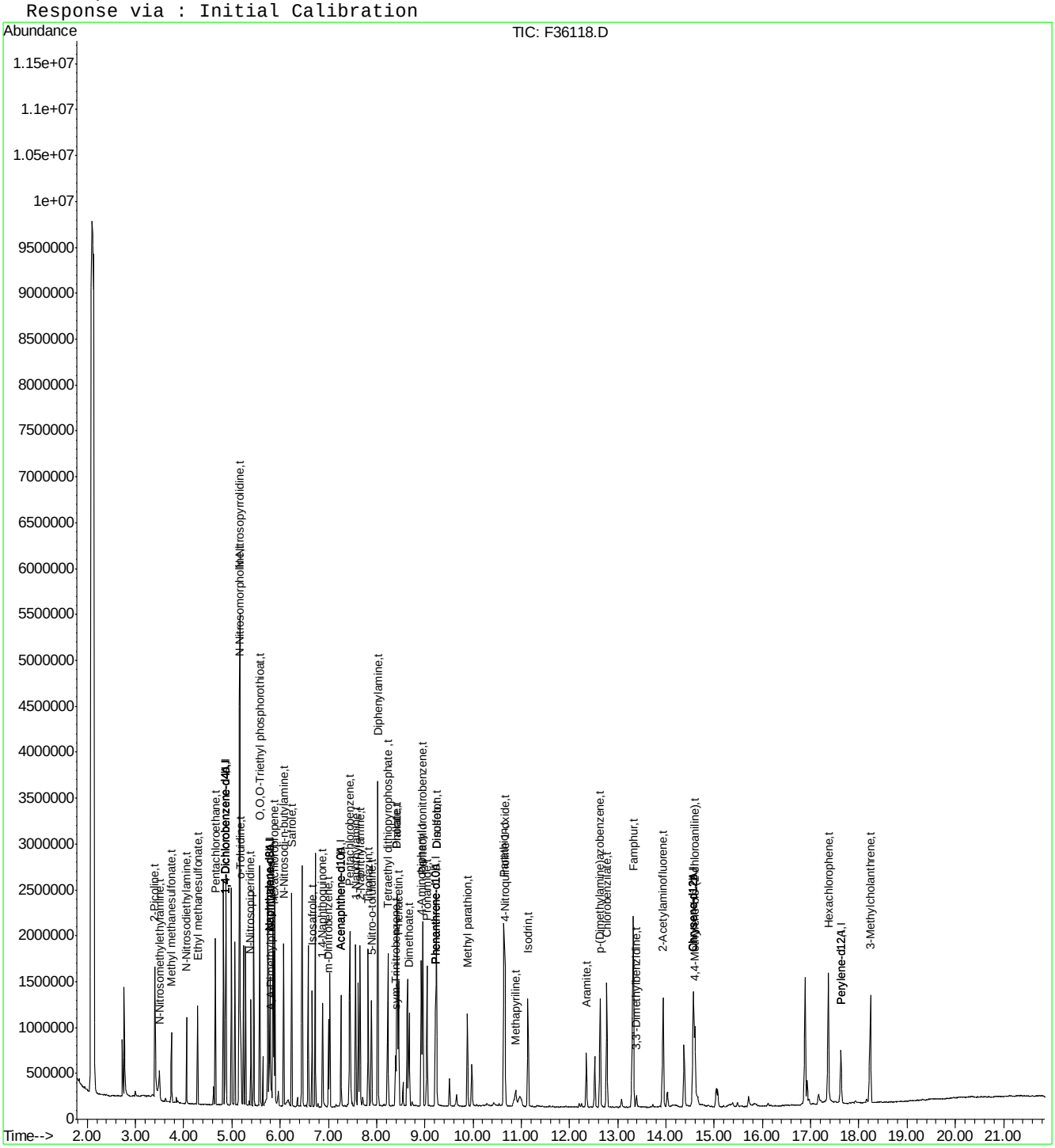
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
118) N-Nitrosodi-n-butylamine	6.07	84	258199	100.00	ppb	100
119) Safrole	6.24	162	293256	100.00	ppb	100
120) Isosafrole	6.66	162	196472	100.00	ppb	100
122) Thionazin	7.83	143	101757	100.00	ppb	100
123) Tetraethyl dithiopyrophosp	8.23	322	99458	100.00	ppb	100
124) Phorate	8.43	75	452942	70.91	ppb	100
125) Phenacetin	8.46	108	408086	100.00	ppb	100
126) 1,4-Naphthoquinone	6.88	158	229338	100.00	ppb	100
127) m-Dinitrobenzene	7.00	168	127467	100.00	ppb	100
128) Pentachlorobenzene	7.44	250	280036	100.00	ppb	100
129) 1-Naphthylamine	7.57	143	552023	100.00	ppb	100
130) 2-Naphthylamine	7.66	143	659717	99.72	ppb	99
131) 5-Nitro-o-toluidine	7.90	152	238362	100.00	ppb	100
133) Disulfoton	9.24	88	371927	100.00	ppb	100
134) Dinoseb	9.24	211	201927	100.00	ppb	100
135) Dimethoate	8.68	87	289329	100.00	ppb	100
136) 4-Aminobiphenyl	8.93	169	740574	200.00	ppb	100
137) Methyl parathion	9.88	125	210580	100.00	ppb	100
138) Parathion	10.64	109	165488	100.00	ppb	100
139) Diphenylamine	8.02	169	1134373	100.00	ppb	100
140) Isodrin	11.14	193	126408	100.00	ppb	100
141) Diallate	8.42	86	313683	100.00	ppb	100
142) Pentachloronitrobenzene	8.96	295	72509	200.00	ppb	100
143) Pronamide	9.05	173	356745	100.00	ppb	100
144) 4-Nitroquinoline 1-oxide	10.66	190	390131	400.00	ppb	100
145) Methapyriline	10.88	58	306867m	100.15	ppb	
146) sym-Trinitrobenzene	8.39	213	77229	100.00	ppb	100
148) Aramite	12.35	185	66702	200.00	ppb	100
149) p-(Dimethylamine)azobenzen	12.64	120	369555	100.00	ppb	100
151) Famphur	13.33	218	1158720	600.00	ppb	100
152) 2-Acetylaminofluorene	13.94	181	518330	100.00	ppb	100
153) 3,3'-Dimethylbenzidine	13.39	212	75040	100.00	ppb	100
154) Chlorobenzilate	12.77	251	325233	100.00	ppb	100
156) 4,4-Methylene-bis-(2-chlor	14.60	266	79901	100.00	ppb	100
157) 3-Methylcholanthrene	18.24	268	489281	100.00	ppb	100
158) Hexachlorophene	17.37	196	206435	600.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:04 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Manual Integration Approval Summary

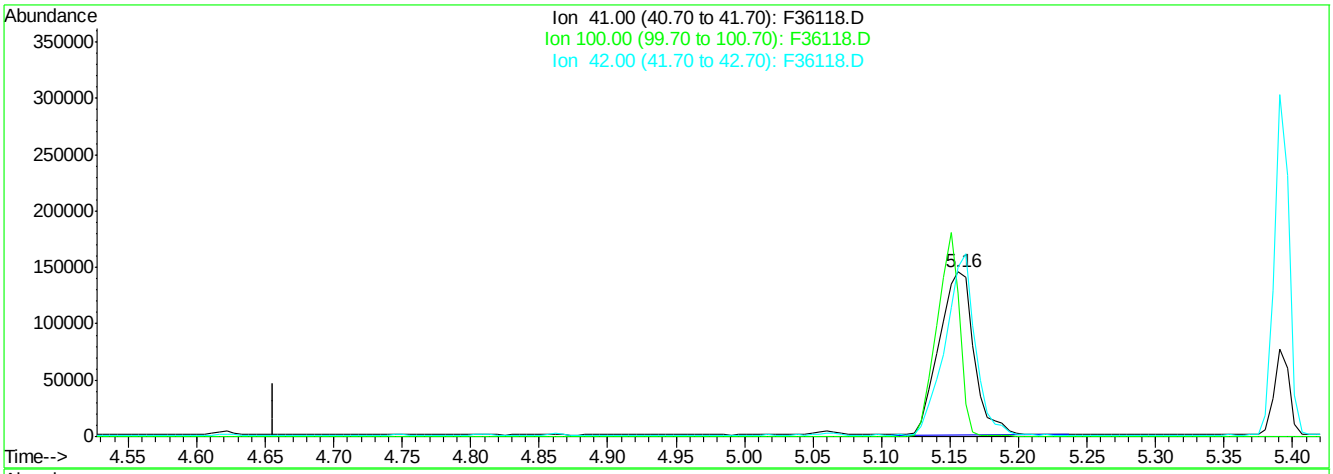
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36118.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 20:25	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

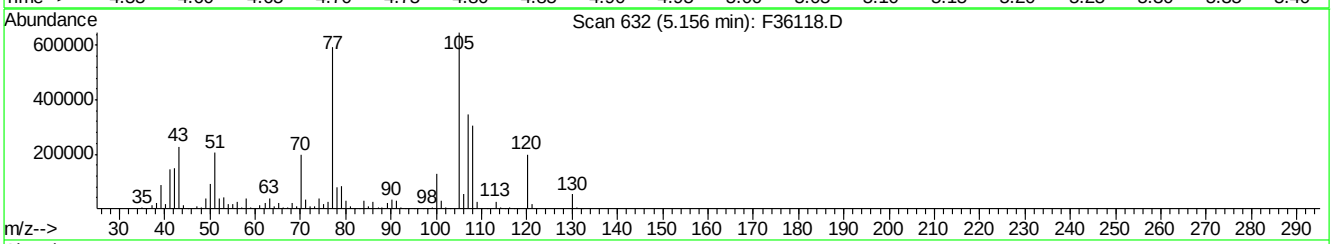
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.16	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.80	Split peak
Methapyrilene	91-80-5		10.88	Split peak

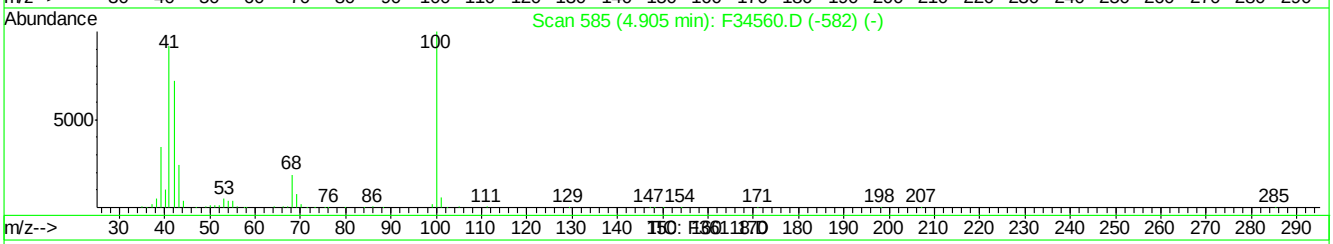
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(109) N-Nitrosopyrrolidine (t)

5.16min 100.00ppb

response 258081

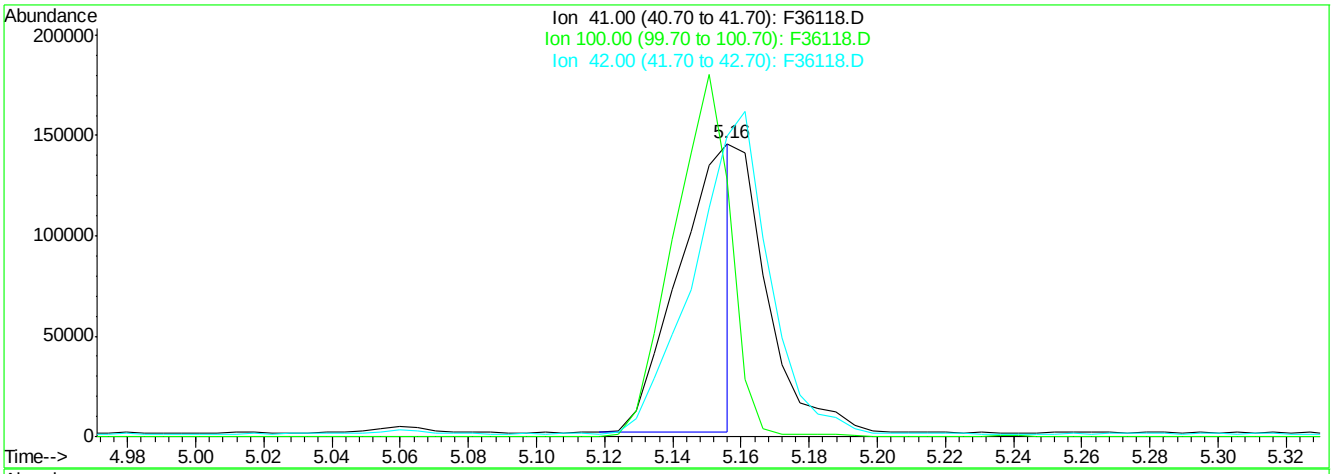
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	88.38
42.00	102.50	102.83
0.00	0.00	0.00

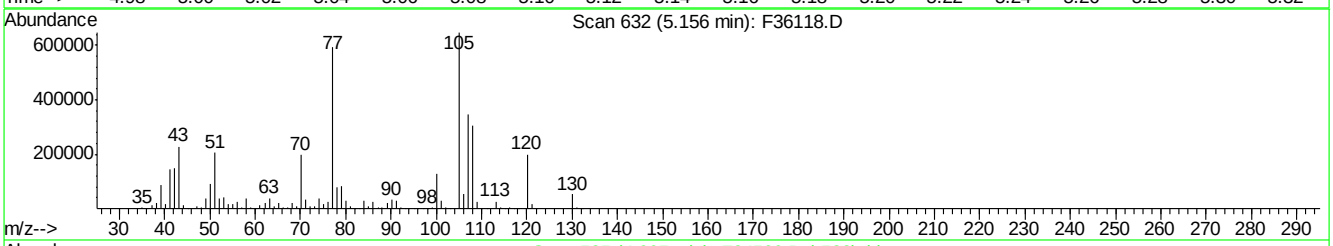
F36118.D MFAP5692.M Thu Jun 19 09:05:36 2014 RT1

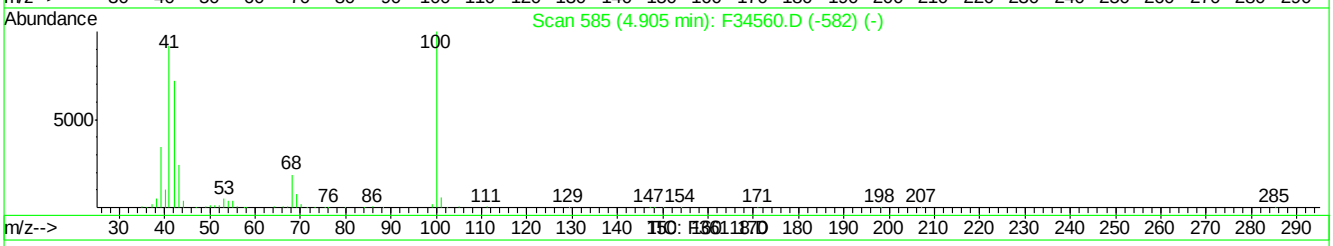
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:06 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(109) N-Nitrosopyrrolidine (t)

5.16min 62.02ppb m

response 160067

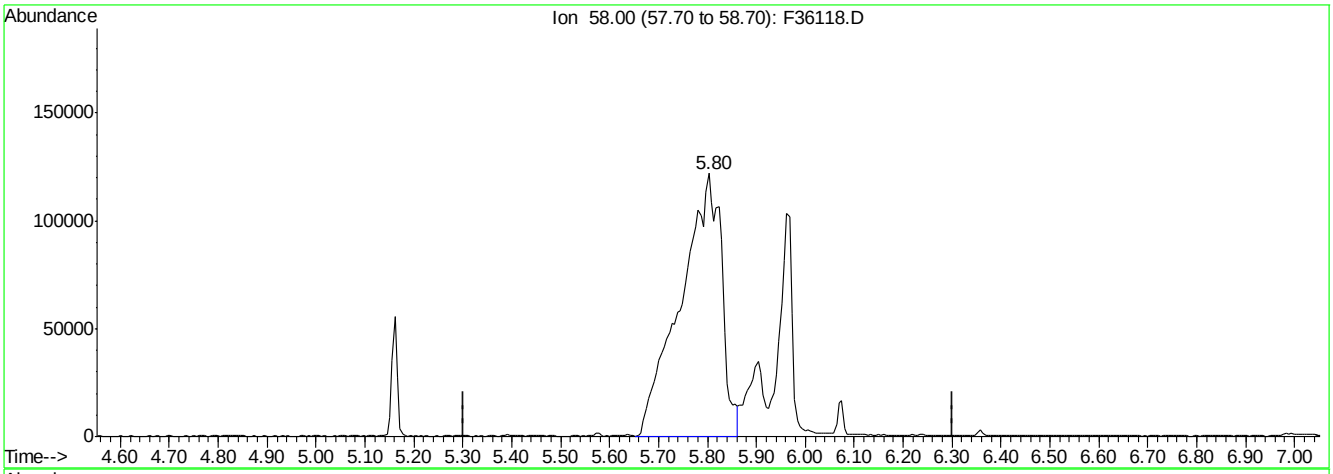
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	87.50
42.00	102.50	102.54
0.00	0.00	0.00

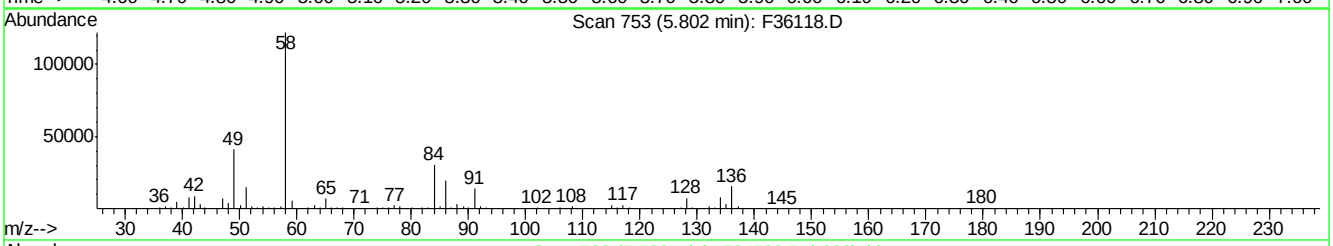
F36118.D MFAP5692.M Thu Jun 19 09:06:10 2014 RT1

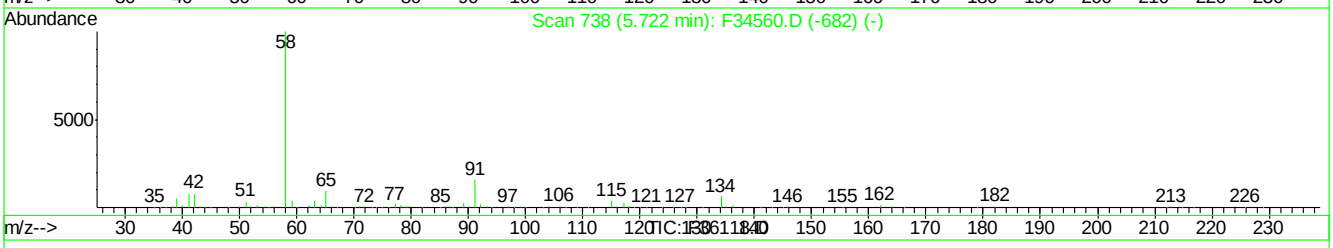
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:06 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(115) A,A-Dimethylphenethylamine (t)

5.80min 71.20ppb

response 708533

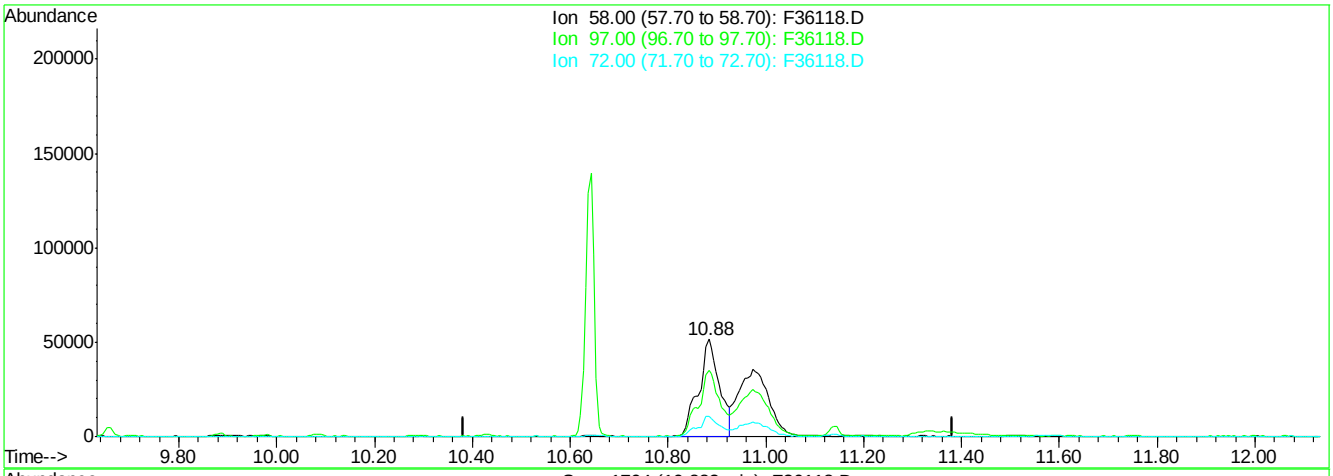
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

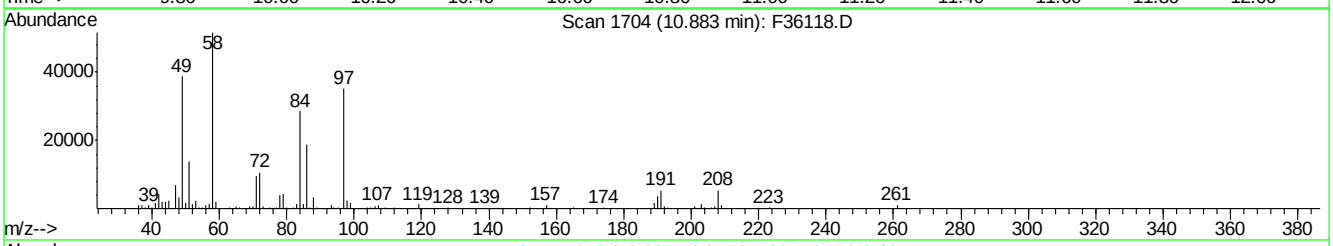
F36118.D MFAP5692.M Thu Jun 19 09:06:24 2014 RT1

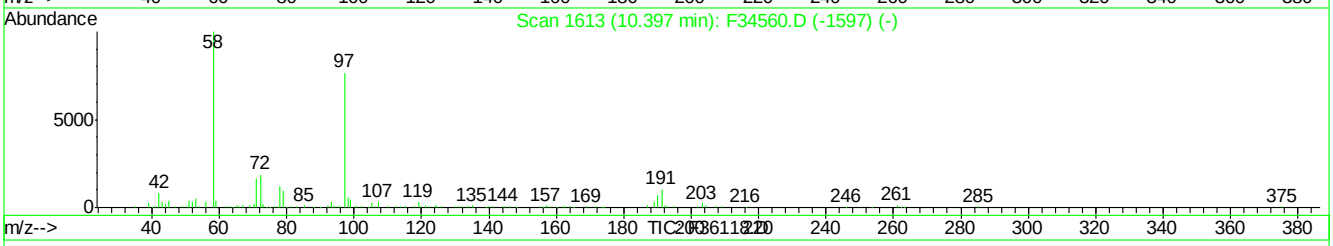
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:06 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(145) Methapyriline (t)

10.88min 50.16ppb

response 153698

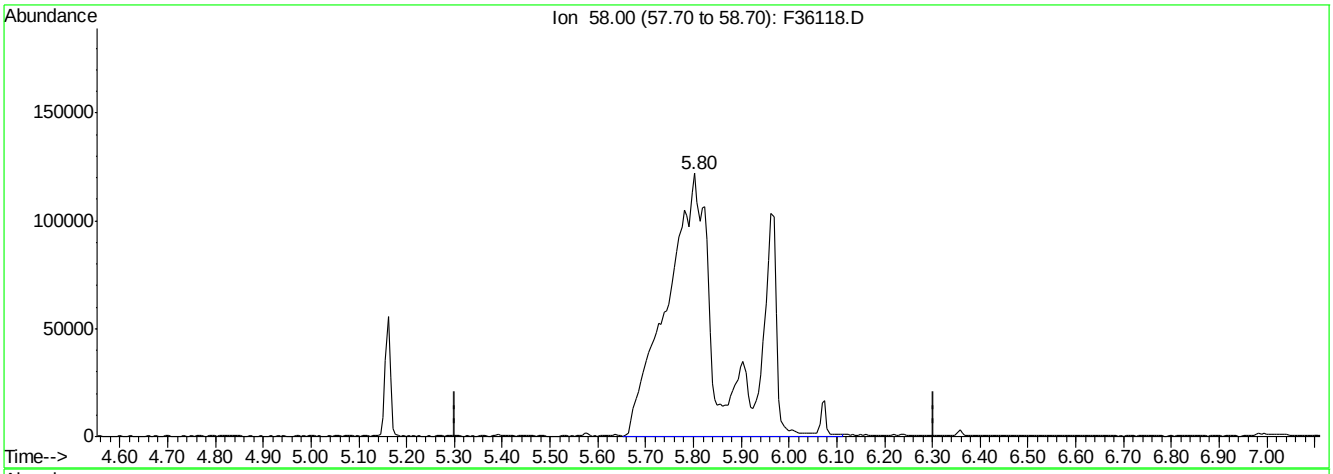
Ion	Exp%	Act%
58.00	100	100
97.00	68.00	67.01
72.00	20.80	20.32
0.00	0.00	0.00

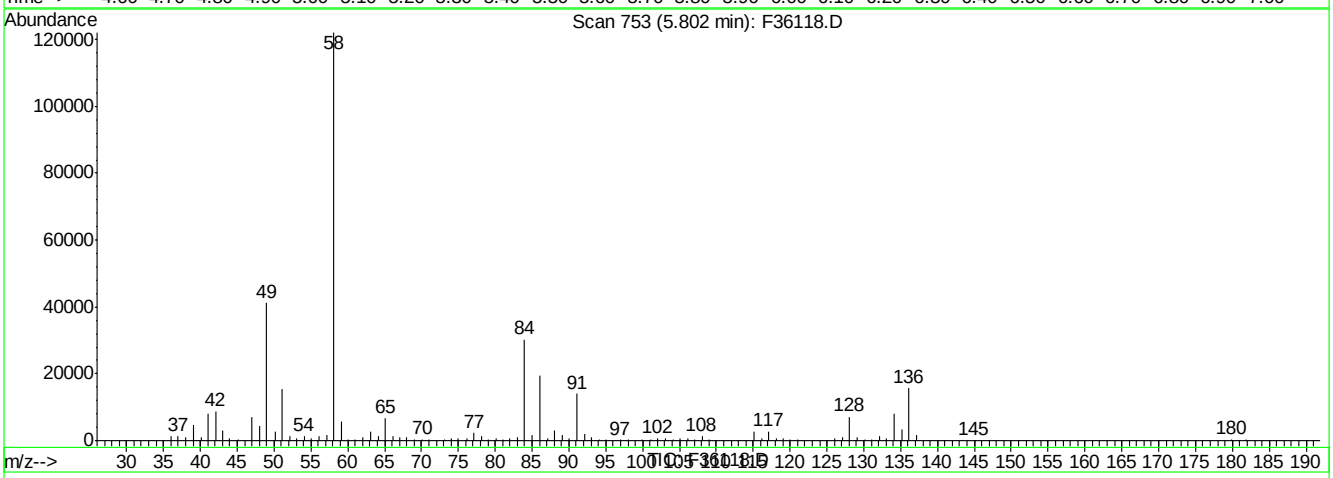
F36118.D MFAP5692.M Thu Jun 19 09:07:06 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:04 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.80min 99.93ppb m

response 994437

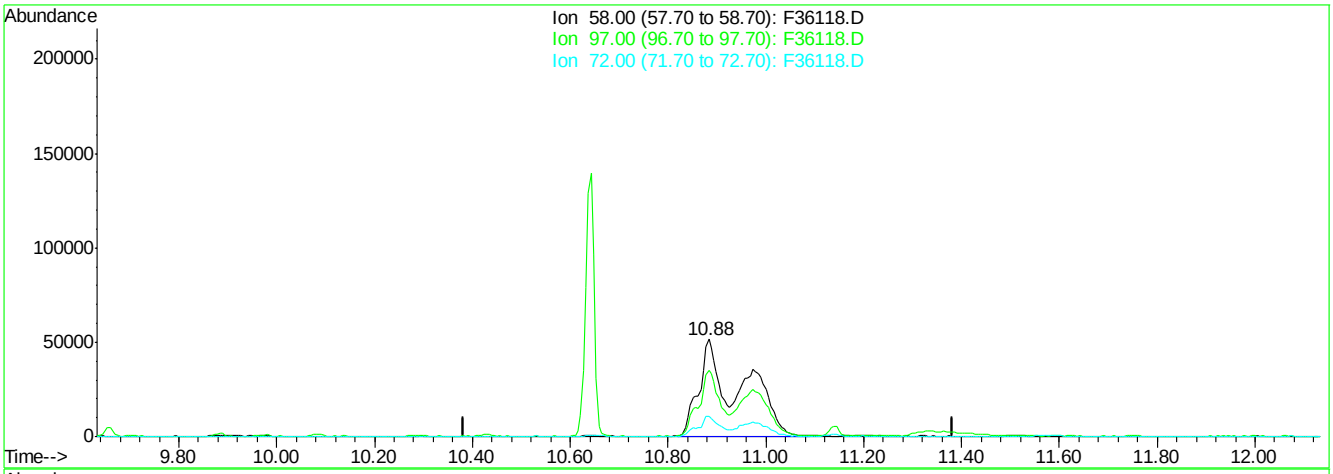
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

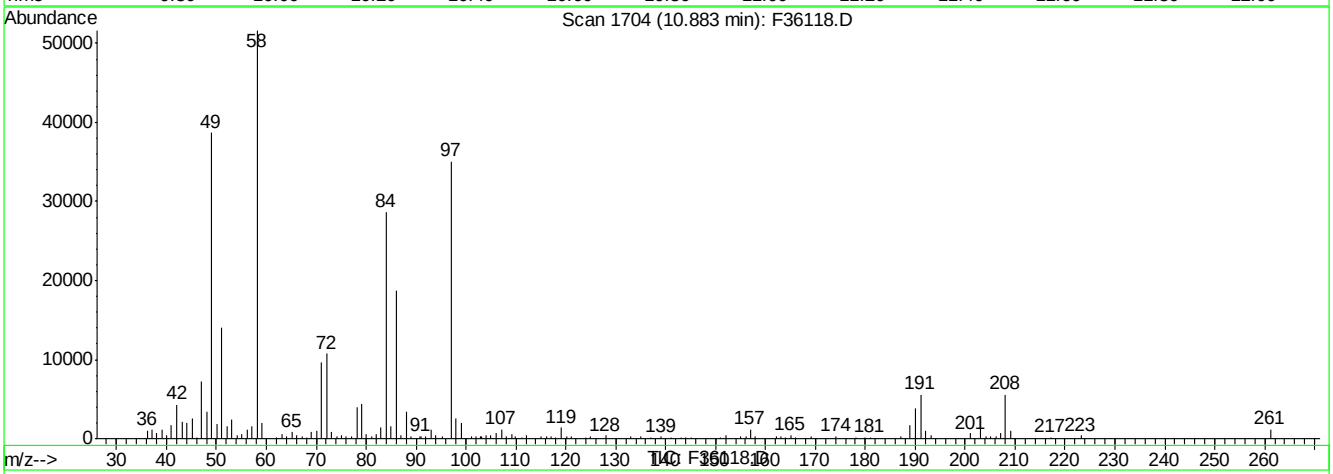
F36118.D MFAP5692.M Thu Jun 19 11:12:03 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36118.D Vial: 2
Acq On : 18 Jun 2014 8:25 pm Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:04 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(145) Methapyriline (t)

10.88min 100.15ppb m

response 306867

Ion	Exp%	Act%
58.00	100	100
97.00	68.00	67.99
72.00	20.80	20.76
0.00	0.00	0.00

F36118.D MFAP5692.M Thu Jun 19 11:12:09 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:32:05 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	127394	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	452718	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	267896	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	423239	40.00	ppb	-0.01
83) Chrysene-d12	14.55	240	403407	40.00	ppb	0.00
92) Perylene-d12	17.62	264	347270	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4A	4.86	152	127394	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	452718	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	267896	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	423239	40.00	ppb	-0.01
147) Chrysene-d12A	14.55	240	403407	40.00	ppb	0.00
155) Perylene-d12A	17.62	264	347270	40.00	ppb	-0.01
159) 1,4-Dichlorobenzene-d4b	4.86	152	127394	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	452718	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	267896	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	423239	40.00	ppb	-0.01
167) Chrysene-d12b	14.55	240	403407	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	127394	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	452718	40.00	ppb	0.00
176) Chrysene-d12c	14.55	240	403407	40.00	ppb	0.00
178) Naphthalene-d8a	5.79	136	452718	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.40	93	375988	80.91	ppb	99
104) Pentachloroethane	4.65	167	136415	81.24	ppb	93
105) Methyl methanesulfonate	3.74	80	179124	82.02	ppb	100
106) N-Nitrosodiethylamine	4.06	102	165370	80.80	ppb	96
107) N-Nitrosomethylethylamine	3.49	42	151799	80.34	ppb	97
108) Ethyl methanesulfonate	4.29	79	246486	81.75	ppb	97
109) N-Nitrosopyrrolidine	5.15	41	133209m	53.18	ppb	
110) N-Nitrosomorpholine	5.17	56	168189	83.53	ppb	98
111) o-Toluidine	5.18	106	445633	82.51	ppb	78
113) O,O,O-Triethyl phosphoroth	5.57	198	148655	81.82	ppb	94
114) N-Nitrosopiperidine	5.39	42	184050	82.07	ppb	99
115) A,A-Dimethylphenethylamine	5.96	58	804245m	83.46	ppb	
116) Hexachloropropene	5.87	213	199001	83.43	ppb	100

(#) = qualifier out of range (m) = manual integration
F36119.D MFAP5692.M Thu Jun 19 11:14:02 2014 RT1

9.6.129

6

ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:32:05 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

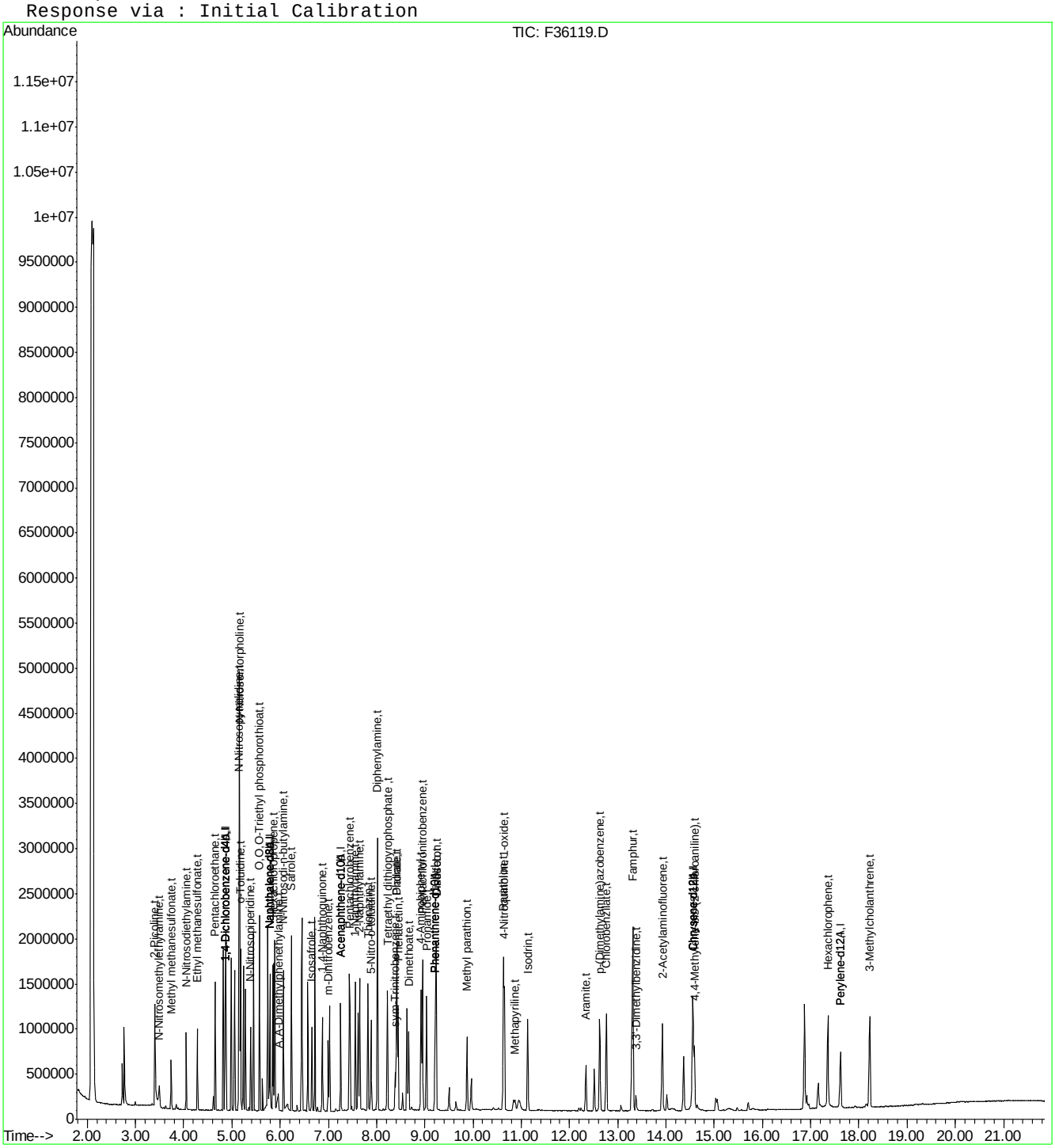
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
118) N-Nitrosodi-n-butylamine	6.07	84	207642	83.04	ppb	96
119) Safrole	6.24	162	233892	82.36	ppb	97
120) Isosafrole	6.66	162	155318	81.63	ppb	99
122) Thionazin	7.82	143	83371	83.92	ppb	99
123) Tetraethyl dithiopyrophosp	8.23	322	81205	83.63	ppb	100
124) Phorate	8.43	75	376147	60.32	ppb	100
125) Phenacetin	8.45	108	334306	83.91	ppb	99
126) 1,4-Naphthoquinone	6.88	158	196346	87.70	ppb	99
127) m-Dinitrobenzene	7.00	168	101221	81.34	ppb	98
128) Pentachlorobenzene	7.44	250	226359	82.80	ppb	100
129) 1-Naphthylamine	7.56	143	446193	82.79	ppb	99
130) 2-Naphthylamine	7.65	143	542970	84.07	ppb	99
131) 5-Nitro-o-toluidine	7.89	152	189900	81.61	ppb	98
133) Disulfoton	9.24	88	305613	83.23	ppb	98
134) Dinoseb	9.24	211	159752	80.13	ppb	99
135) Dimethoate	8.67	87	240352	84.14	ppb	97
136) 4-Aminobiphenyl	8.92	169	619359	169.41	ppb	99
137) Methyl parathion	9.88	125	175563	84.44	ppb	98
138) Parathion	10.63	109	135295	82.81	ppb	99
139) Diphenylamine	8.02	169	929087	82.96	ppb	99
140) Isodrin	11.13	193	101715	81.50	ppb	99
141) Diallate	8.41	86	255038	82.35	ppb	96
142) Pentachloronitrobenzene	8.95	295	58271	162.79	ppb	99
143) Pronamide	9.04	173	290693	82.53	ppb	99
144) 4-Nitroquinoline 1-oxide	10.65	190	333552	346.39	ppb	100
145) Methapyriline	10.87	58	268282m	88.68	ppb	
146) sym-Trinitrobenzene	8.39	213	62508	81.98	ppb	84
148) Aramite	12.34	185	55539	166.26	ppb	96
149) p-(Dimethylamine)azobenzen	12.63	120	305920	82.65	ppb	99
151) Famphur	13.32	218	1114962	576.41	ppb	98
152) 2-Acetylaminofluorene	13.93	181	423830	81.64	ppb	98
153) 3,3'-Dimethylbenzidine	13.38	212	100782	134.09	ppb	99
154) Chlorobenzilate	12.77	251	272028	83.51	ppb	94
156) 4,4-Methylene-bis-(2-chlor	14.59	266	69798	87.91	ppb	94
157) 3-Methylcholanthrene	18.23	268	400434	82.36	ppb	100
158) Hexachlorophene	17.36	196	141325	413.37	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

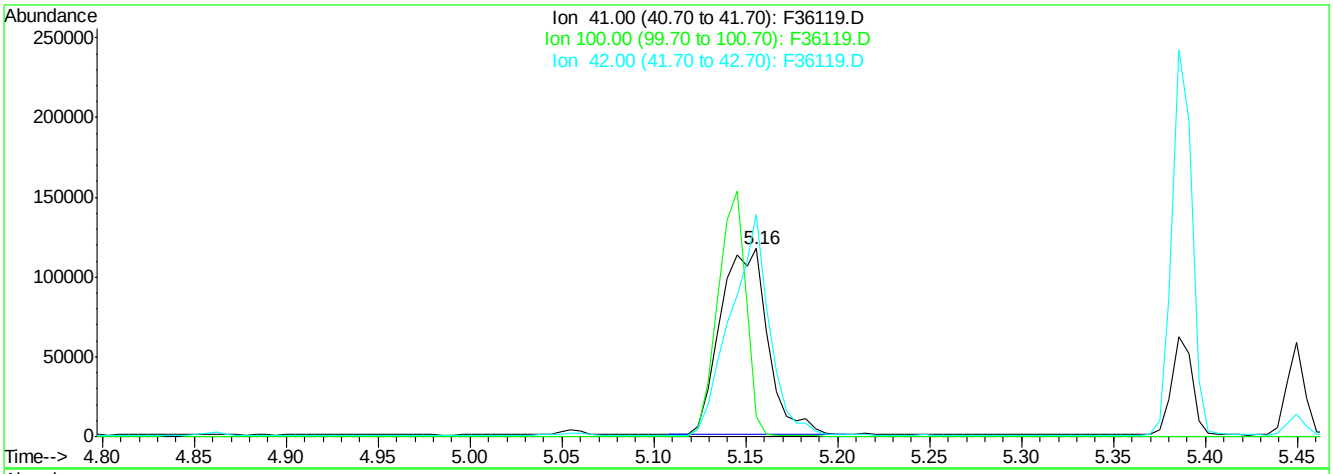
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36119.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 20:53	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

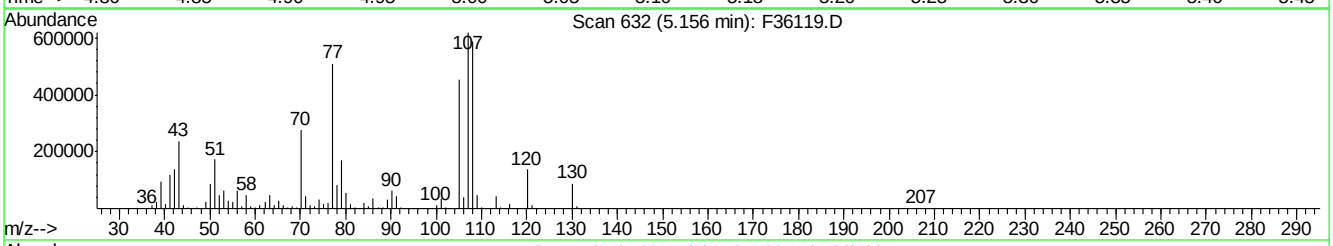
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.15	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.96	Split peak
Methapyrilene	91-80-5		10.87	Split peak

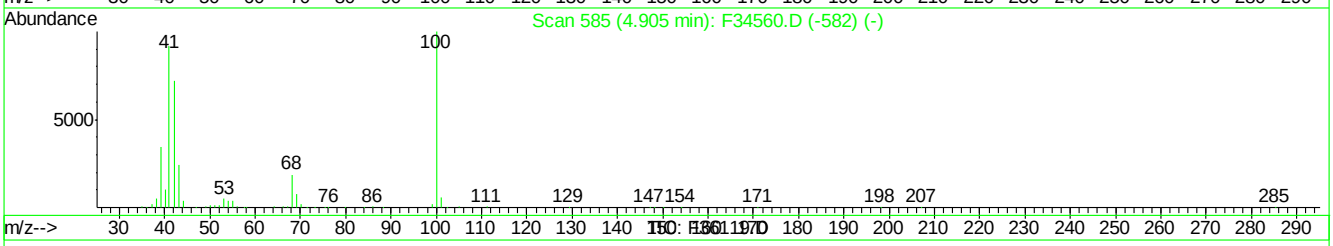
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:08 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(109) N-Nitrosopyrrolidine (t)

5.16min 83.74ppb

response 209761

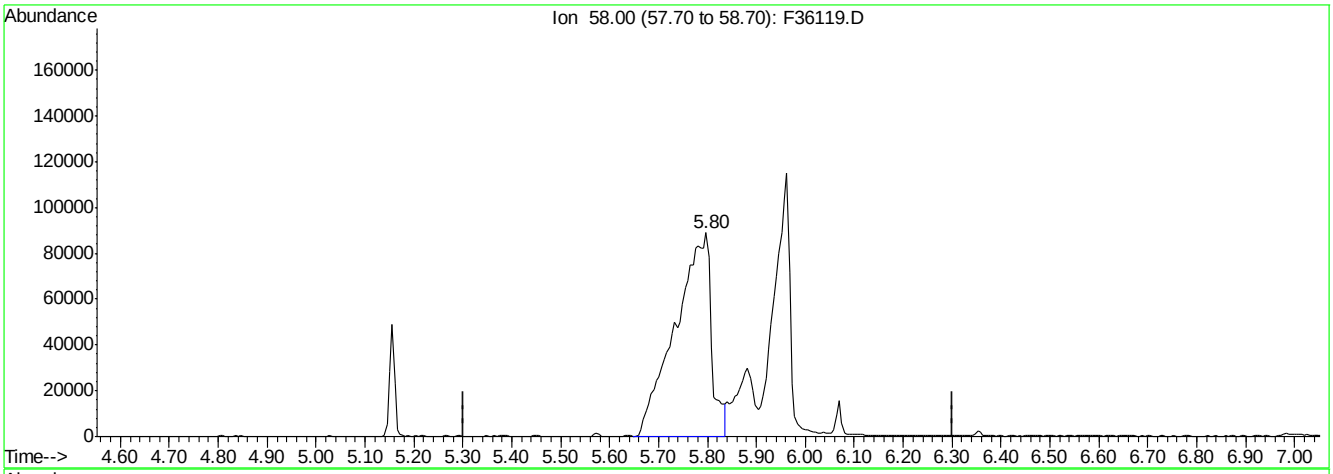
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	11.15#
42.00	102.50	118.77
0.00	0.00	0.00

F36119.D MFAP5692.M Thu Jun 19 09:10:51 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:10 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration



(115) A,A-Dimethylphenethylamine (t)

5.80min 46.82ppb

response 451187

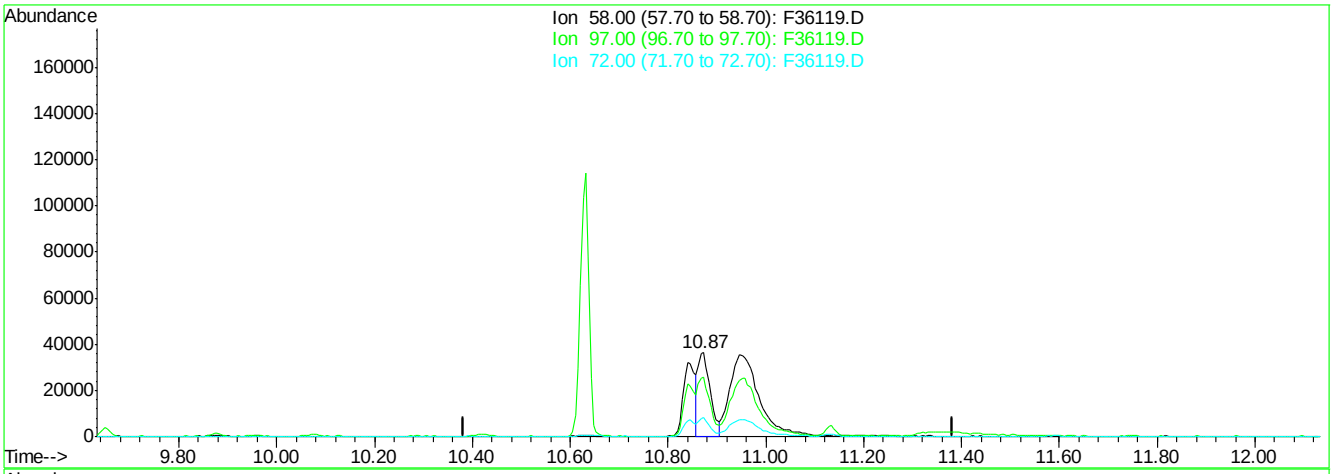
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

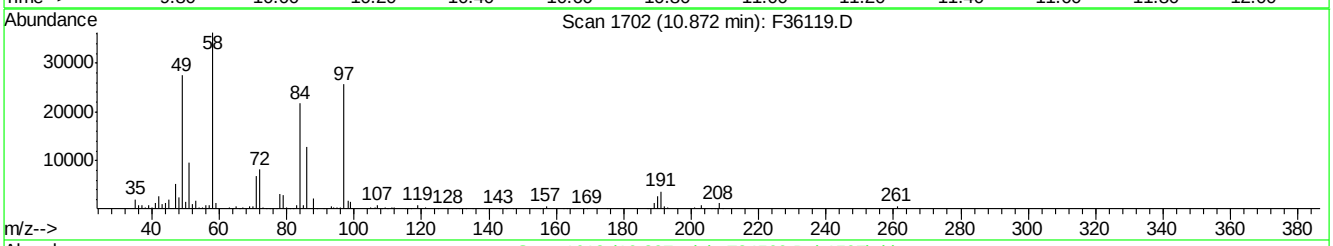
F36119.D MFAP5692.M Thu Jun 19 09:11:04 2014 RT1

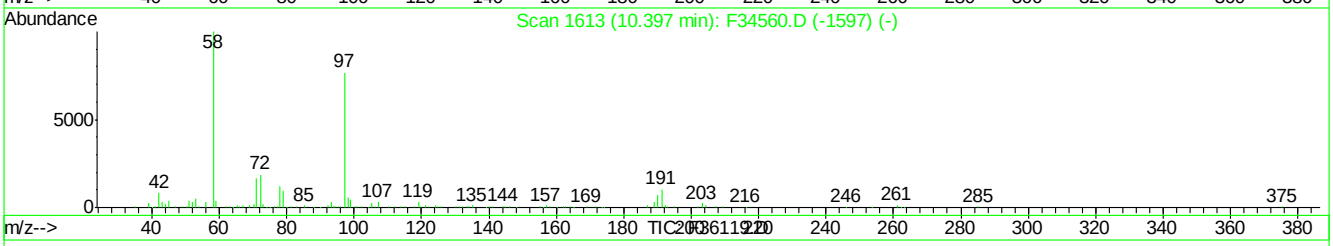
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:11 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(145) Methapyriline (t)

10.87min 20.98ppb

response 63480

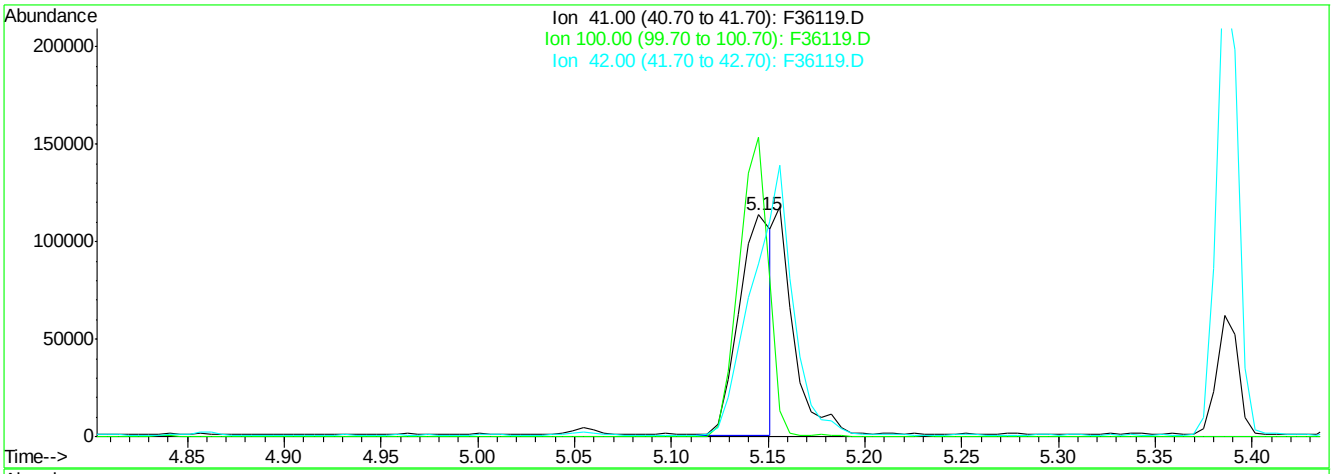
Ion	Exp%	Act%
58.00	100	100
97.00	68.00	71.81
72.00	20.80	24.56
0.00	0.00	0.00

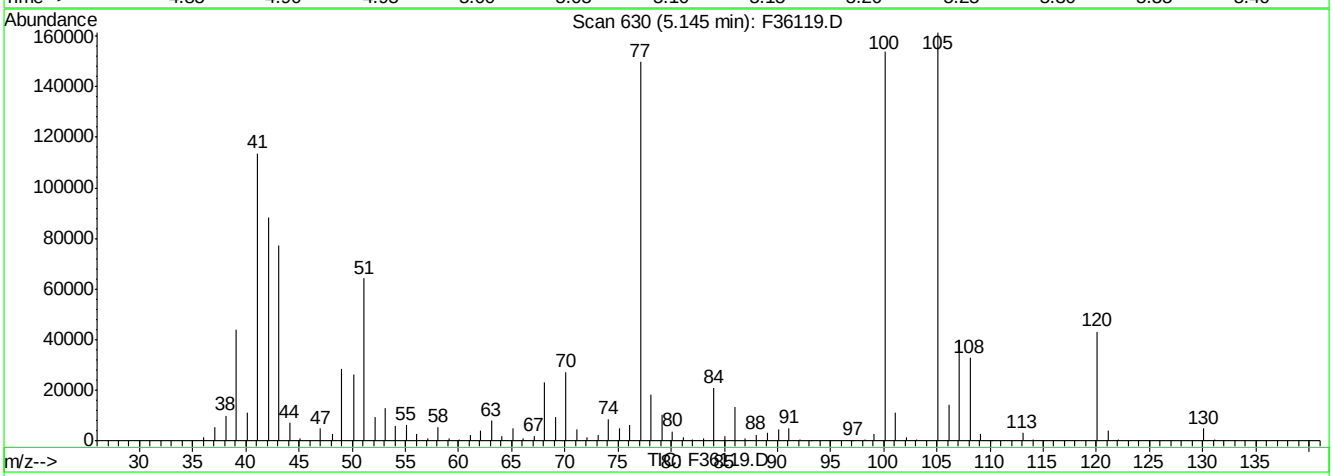
F36119.D MFAP5692.M Thu Jun 19 09:11:29 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.15min 53.18ppb m

response 133209

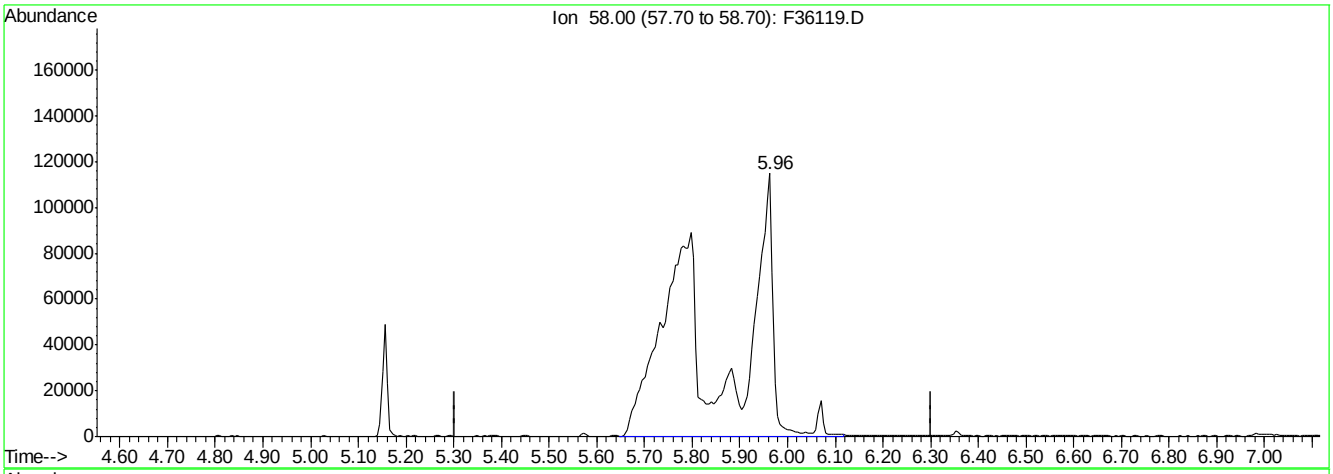
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	135.28#
42.00	102.50	77.71
0.00	0.00	0.00

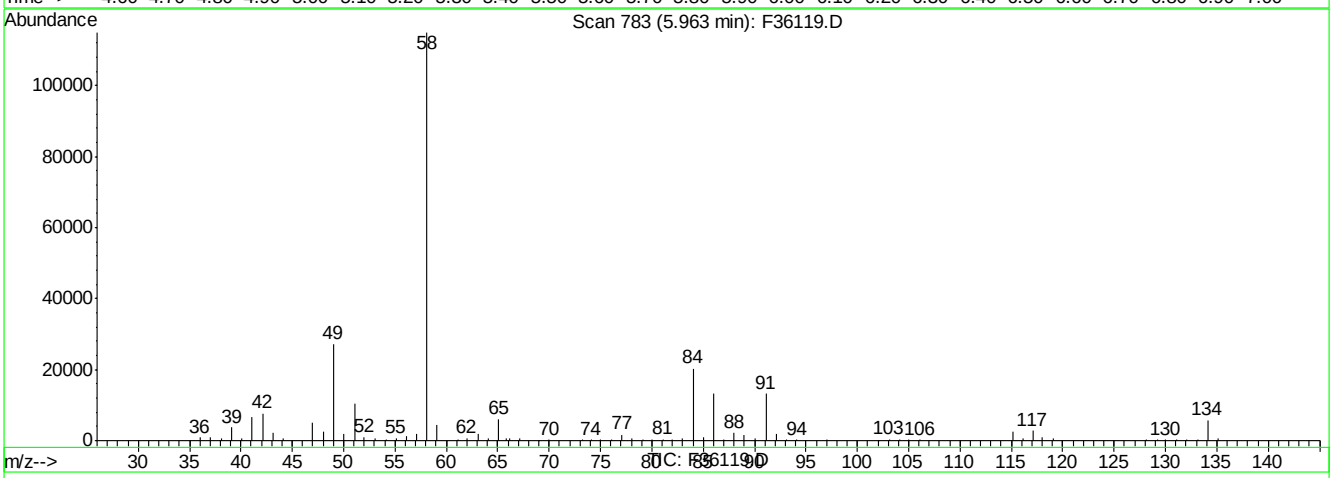
F36119.D MFAP5692.M Thu Jun 19 11:12:30 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.96min 83.46ppb m

response 804245

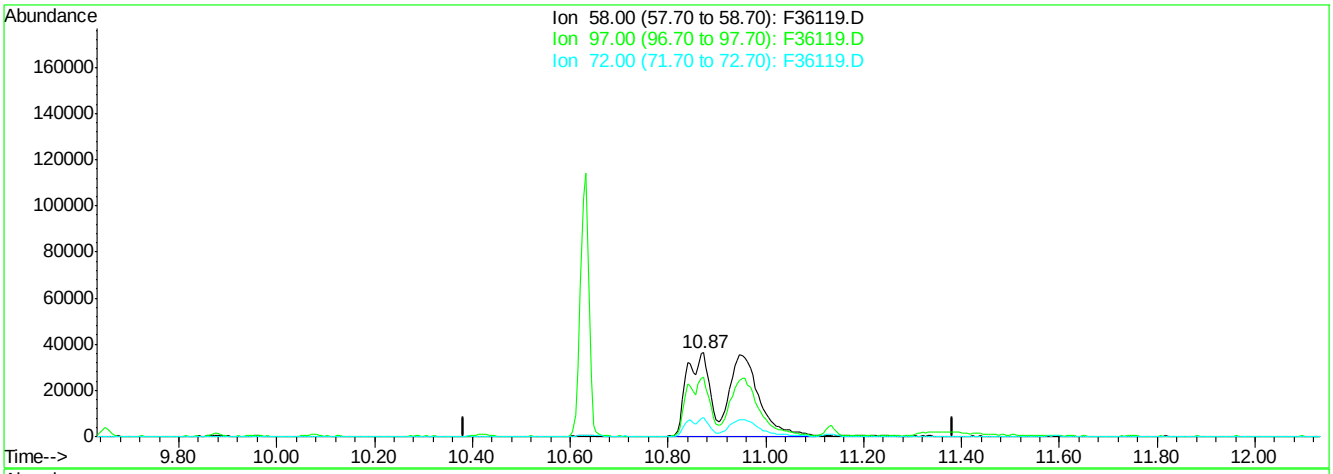
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

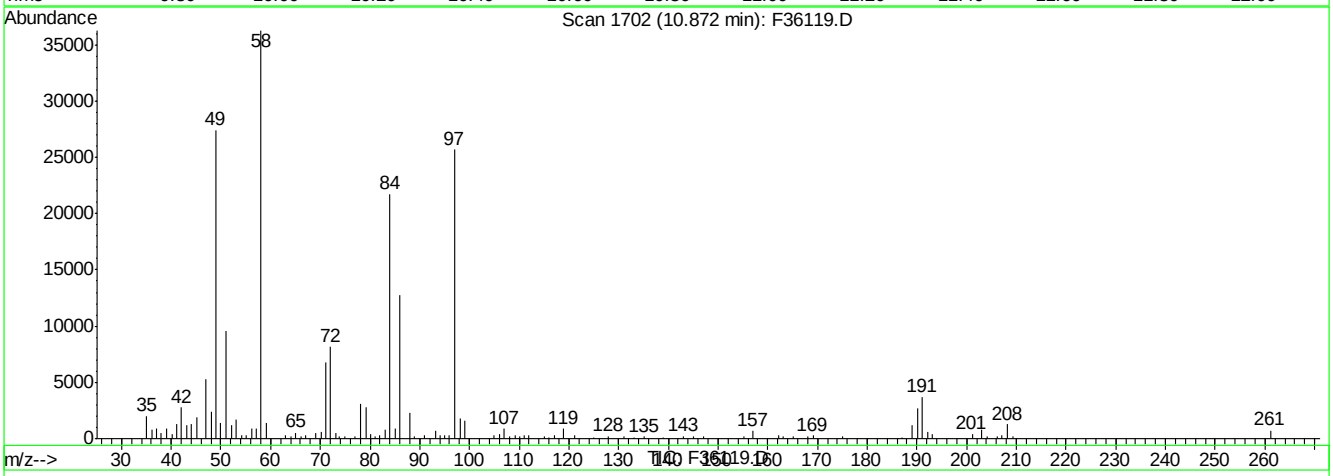
F36119.D MFAP5692.M Thu Jun 19 11:12:37 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36119.D Vial: 3
Acq On : 18 Jun 2014 8:53 pm Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(145) Methapyriline (t)

10.87min 88.68ppb m

response 268282

Ion	Exp%	Act%
58.00	100	100
97.00	68.00	70.81
72.00	20.80	22.45
0.00	0.00	0.00

F36119.D MFAP5692.M Thu Jun 19 11:12:42 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:33:40 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	167917	40.00	ppb		0.00
24) Naphthalene-d8	5.79	136	592897	40.00	ppb		0.00
47) Acenaphthene-d10	7.26	164	353229	40.00	ppb		0.00
69) Phenanthrene-d10	9.21	188	562135	40.00	ppb		-0.01
83) Chrysene-d12	14.55	240	534523	40.00	ppb		0.00
92) Perylene-d12	17.62	264	471896	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4A	4.86	152	167917	40.00	ppb		0.00
112) Naphthalene-d8A	5.79	136	592897	40.00	ppb		0.00
121) Acenaphthene-d10A	7.26	164	353229	40.00	ppb		0.00
132) Phenanthrene-d10A	9.21	188	562135	40.00	ppb		-0.01
147) Chrysene-d12A	14.55	240	534523	40.00	ppb		0.00
155) Perylene-d12A	17.62	264	471896	40.00	ppb		-0.01
159) 1,4-Dichlorobenzene-d4b	4.86	152	167917	40.00	ppb		0.00
161) Naphthalene-d8b	5.79	136	592897	40.00	ppb		0.00
163) Acenaphthene-d10b	7.26	164	353229	40.00	ppb		0.00
165) Phenanthrene-d10b	9.21	188	562135	40.00	ppb		-0.01
167) Chrysene-d12b	14.55	240	534523	40.00	ppb		0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	167917	40.00	ppb		0.00
171) Naphthalene-d8c	5.79	136	592897	40.00	ppb		0.00
176) Chrysene-d12c	14.55	240	534523	40.00	ppb		0.00
178) Naphthalene-d8a	5.79	136	592897	40.00	ppb		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.00	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
85) Terphenyl-d14	0.00	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
103) 2-Picoline	3.40	93	296378	48.39	ppb		99
104) Pentachloroethane	4.65	167	111503	50.38	ppb		94
105) Methyl methanesulfonate	3.74	80	134157	46.60	ppb		98
106) N-Nitrosodiethylamine	4.06	102	132892	49.26	ppb		96
107) N-Nitrosomethylethylamine	3.49	42	123112	49.43	ppb		97
108) Ethyl methanesulfonate	4.29	79	201576	50.72	ppb		97
109) N-Nitrosopyrrolidine	5.14	41	94726m	28.69	ppb		
110) N-Nitrosomorpholine	5.16	56	139040	52.39	ppb		97
111) o-Toluidine	5.18	106	351154	49.33	ppb	#	45
113) O,O,O-Triethyl phosphoroth	5.57	198	119771	50.33	ppb		98
114) N-Nitrosopiperidine	5.39	42	149866	51.03	ppb		97
115) A,A-Dimethylphenethylamine	5.97	58	575809m	45.62	ppb		
116) Hexachloropropene	5.87	213	163214	52.25	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:33:40 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

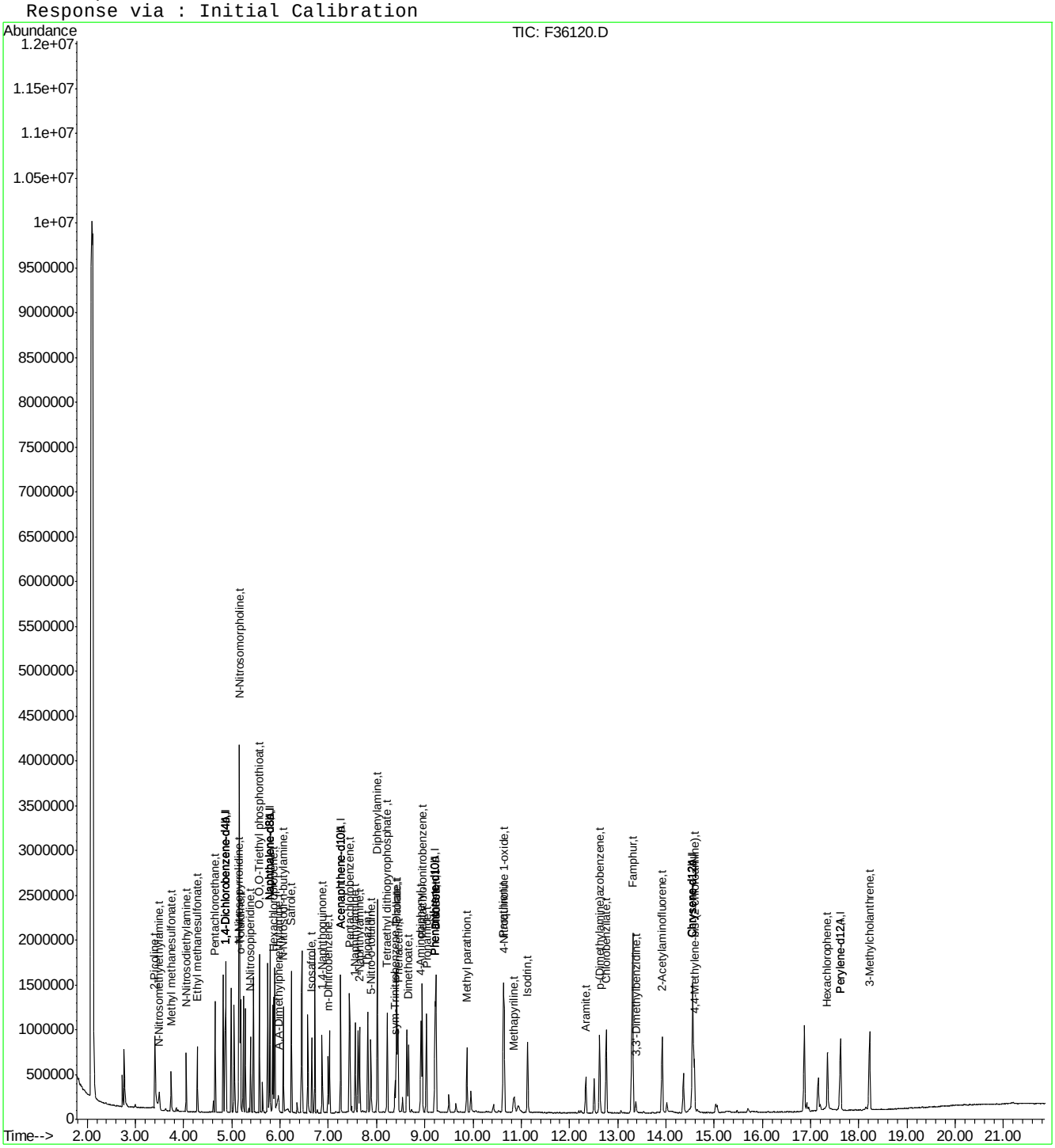
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
118) N-Nitrosodi-n-butylamine	6.07	84	172076	52.55	ppb	99
119) Safrole	6.24	162	189866	51.05	ppb	99
120) Isosafrole	6.66	162	127055	50.99	ppb	99
122) Thionazin	7.82	143	68777	52.51	ppb	96
123) Tetraethyl dithiopyrophosp	8.23	322	65787	51.39	ppb	100
124) Phorate	8.42	75	303031	36.86	ppb	100
125) Phenacetin	8.45	108	272074	51.79	ppb	100
126) 1,4-Naphthoquinone	6.88	158	167402	56.71	ppb	97
127) m-Dinitrobenzene	7.00	168	81019	49.38	ppb	94
128) Pentachlorobenzene	7.44	250	183937	51.03	ppb	98
129) 1-Naphthylamine	7.55	143	322605	45.40	ppb	100
130) 2-Naphthylamine	7.65	143	378879	44.49	ppb	99
131) 5-Nitro-o-toluidine	7.88	152	152980	49.86	ppb	93
133) Disulfoton	9.23	88	231214	47.41	ppb	99
134) Dinoseb	9.23	211	129721	48.99	ppb	100
135) Dimethoate	8.67	87	199526	52.59	ppb	97
136) 4-Aminobiphenyl	8.92	169	470425	96.88	ppb	99
137) Methyl parathion	9.87	125	145987	52.87	ppb	99
138) Parathion	10.63	109	109648	50.53	ppb	96
139) Diphenylamine	8.02	169	772457	51.93	ppb	98
140) Isodrin	11.13	193	83942	50.64	ppb	99
141) Diallate	8.41	86	210333	51.13	ppb	98
142) Pentachloronitrobenzene	8.95	295	48199	101.38	ppb	97
143) Pronamide	9.03	173	238708	51.03	ppb	99
144) 4-Nitroquinoline 1-oxide	10.65	190	276681	216.33	ppb	97
145) Methapyriline	10.85	58	224107m	55.77	ppb	
146) sym-Trinitrobenzene	8.38	213	50453	49.82	ppb	95
148) Aramite	12.34	185	45358	102.48	ppb	97
149) p-(Dimethylamine)azobenzen	12.62	120	252316	51.45	ppb	97
151) Famphur	13.31	218	1064055	415.16	ppb	96
152) 2-Acetylaminofluorene	13.92	181	348445	50.65	ppb	99
153) 3,3'-Dimethylbenzidine	13.38	212	70821	71.11	ppb	98
154) Chlorobenzilate	12.76	251	224921	52.11	ppb	95
156) 4,4-Methylene-bis-(2-chlor	14.59	266	60521	56.10	ppb	98
157) 3-Methylcholanthrene	18.22	268	330431	50.01	ppb	99
158) Hexachlorophene	17.35	196	85241	183.48	ppb	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

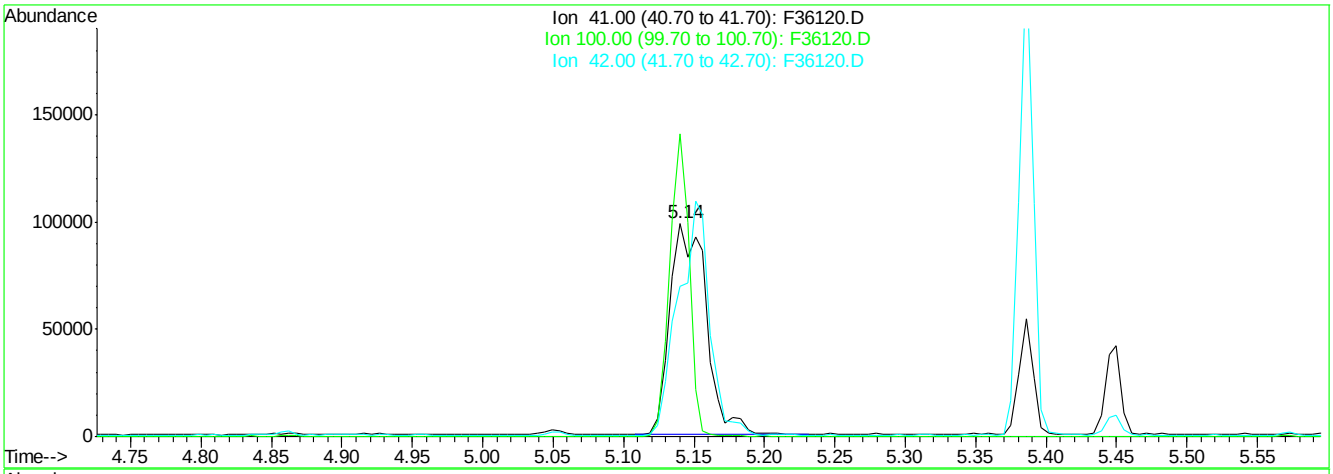
Sample Number:	EF5702-ICC5702	**Method:**	SW846 8270D
Lab FileID:	F36120.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 21:22	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

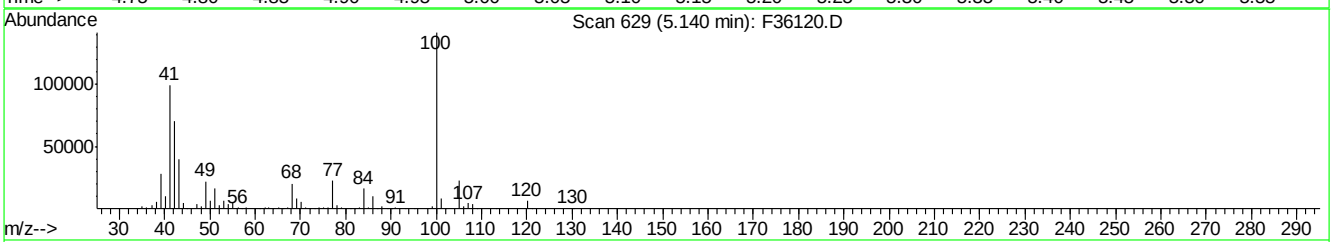
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.14	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.97	Split peak
Methapyrilene	91-80-5		10.85	Split peak

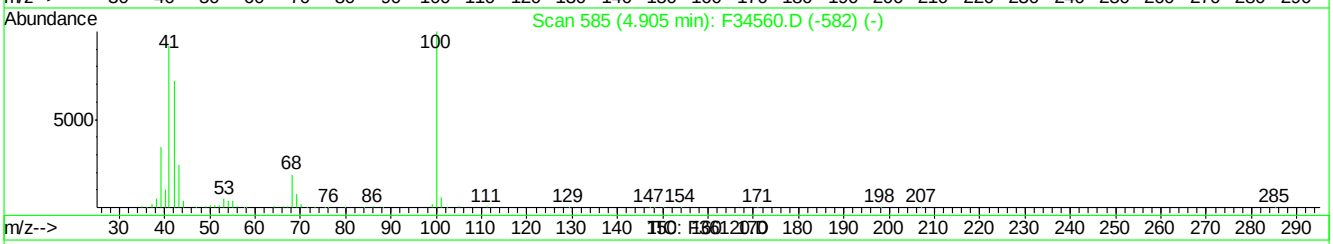
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:12 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(109) N-Nitrosopyrrolidine (t)

5.14min 53.60ppb

response 176947

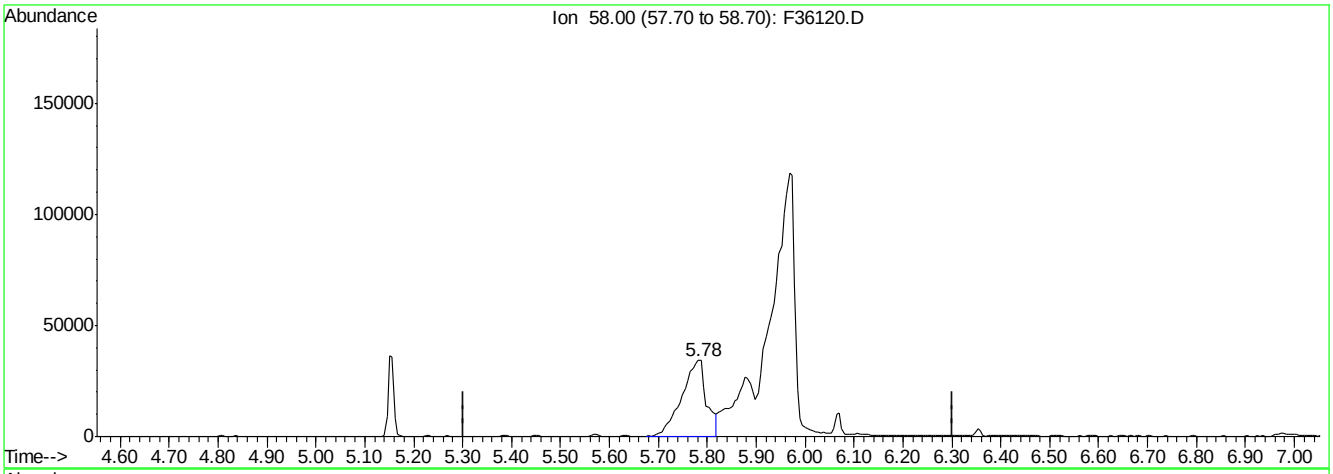
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	143.55#
42.00	102.50	70.44#
0.00	0.00	0.00

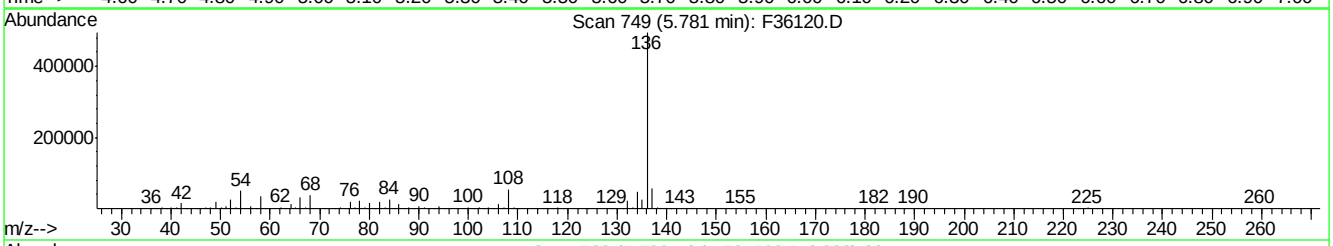
F36120.D MFAP5692.M Thu Jun 19 09:12:50 2014 RT1

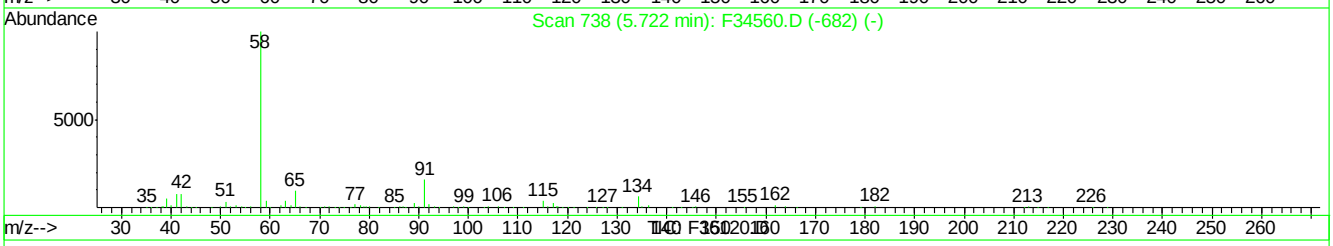
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:12 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(115) A,A-Dimethylphenethylamine (t)

5.78min 9.53ppb

response 120267

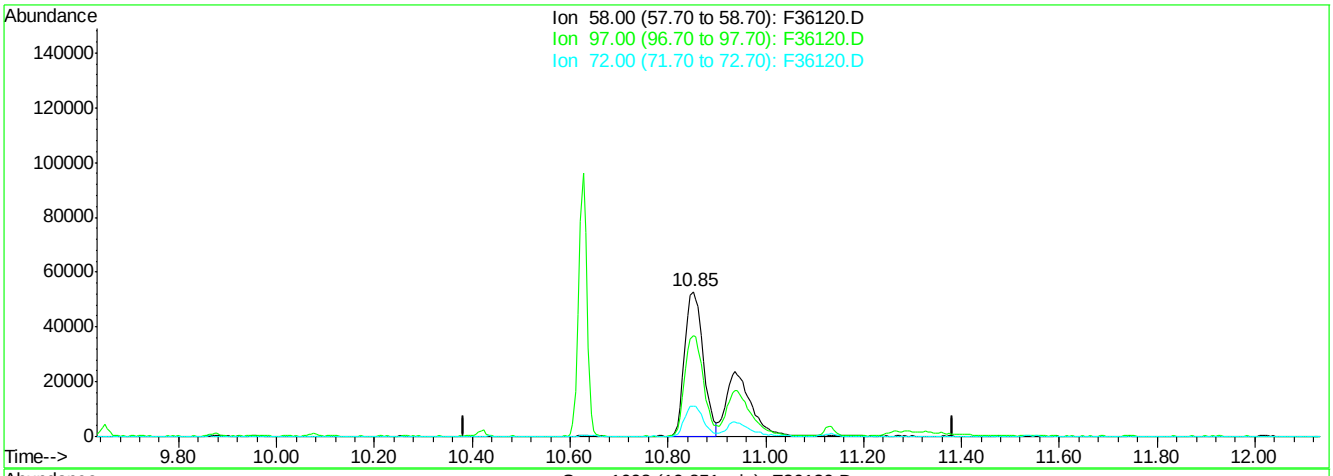
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

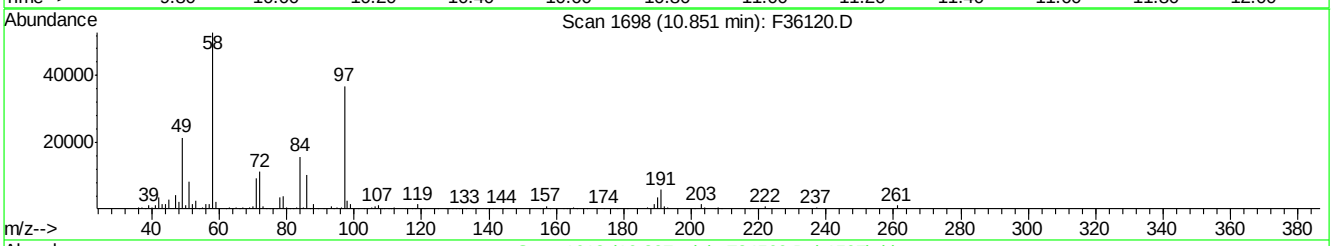
F36120.D MFAP5692.M Thu Jun 19 09:13:00 2014 RT1

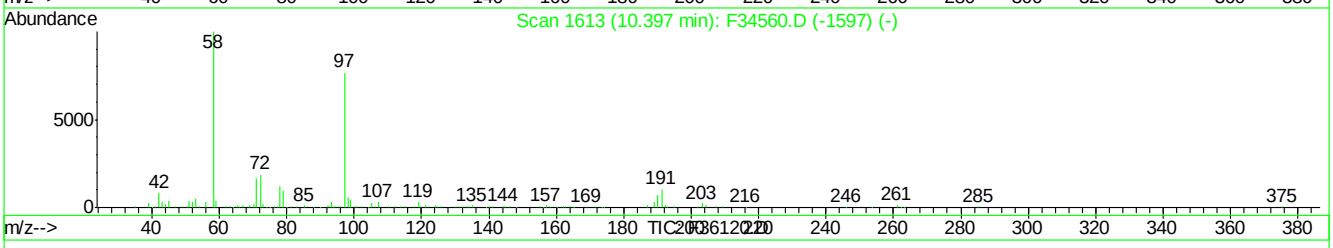
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:13 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration







(145) Methapyriline (t)

10.85min 34.80ppb

response 139844

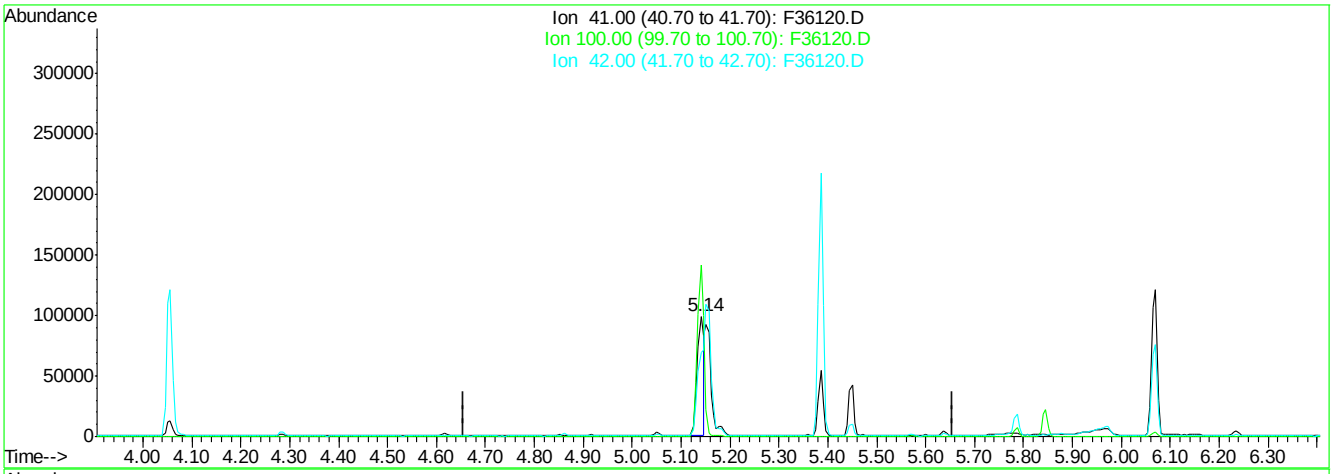
Ion	Exp%	Act%
58.00	100	100
97.00	68.00	68.81
72.00	20.80	20.93
0.00	0.00	0.00

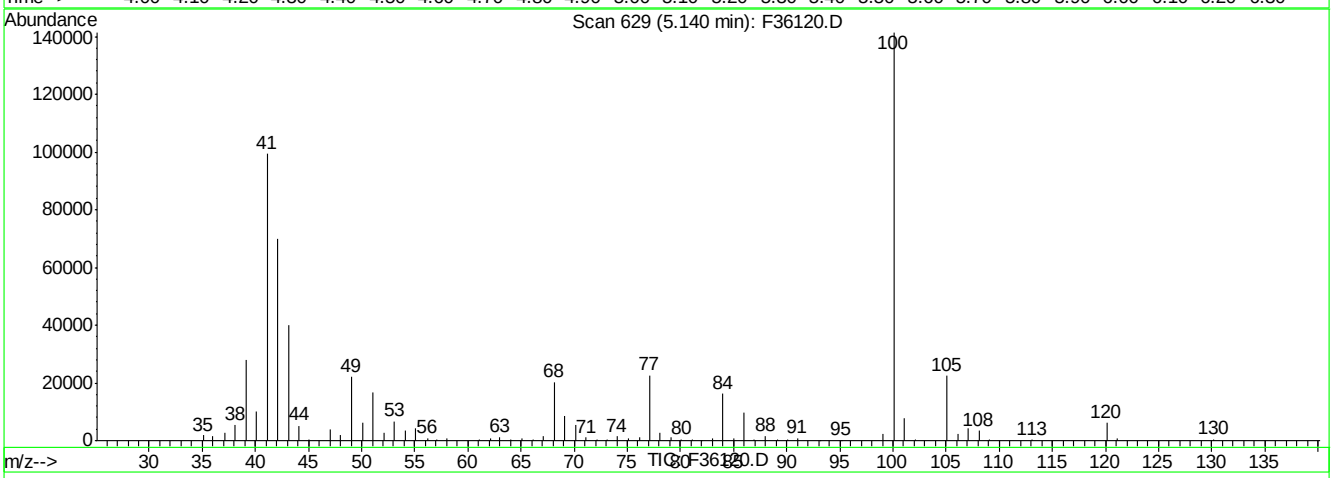
F36120.D MFAP5692.M Thu Jun 19 09:13:25 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.14min 28.69ppb m

response 94726

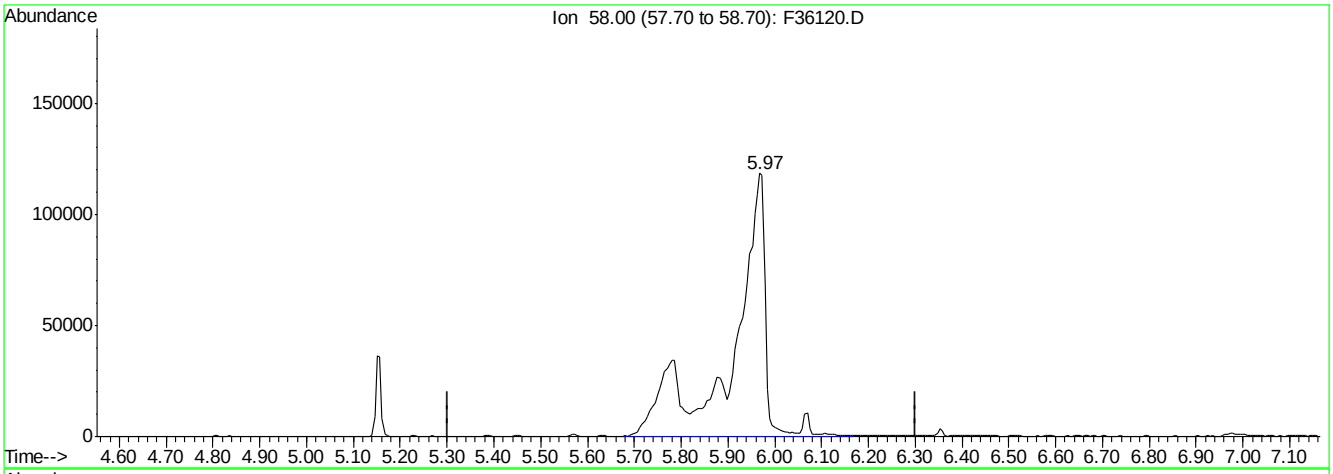
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	142.29#
42.00	102.50	70.44#
0.00	0.00	0.00

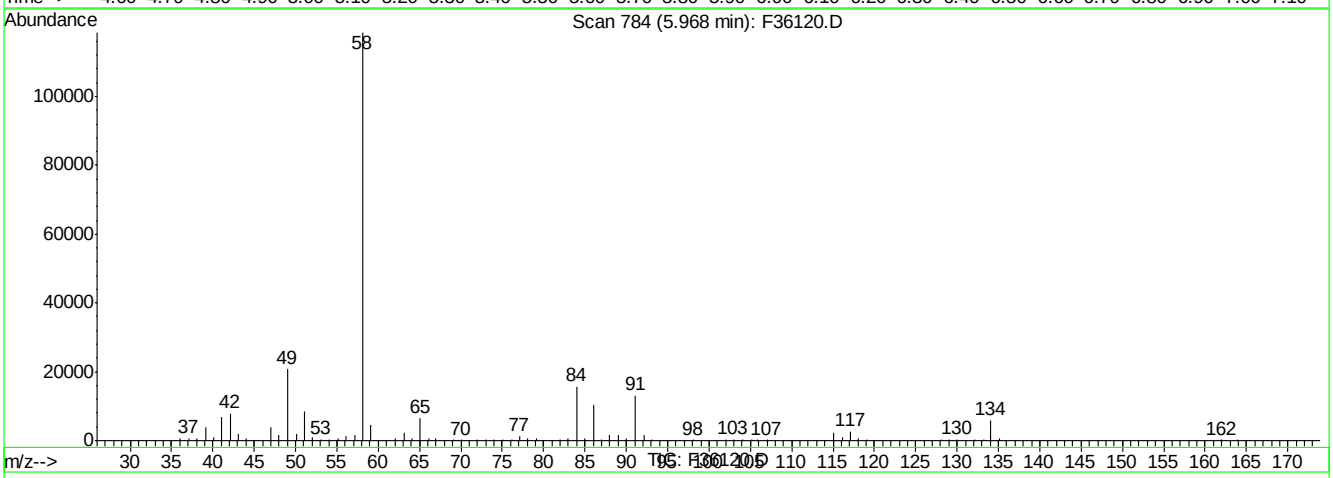
F36120.D MFAP5692.M Thu Jun 19 11:12:59 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.97min 45.62ppb m

response 575809

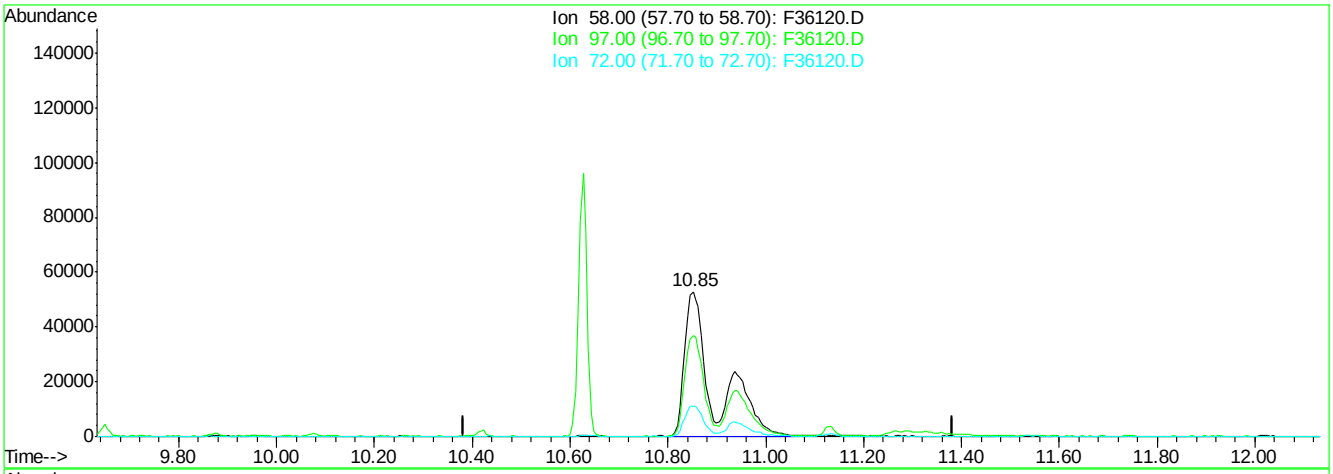
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

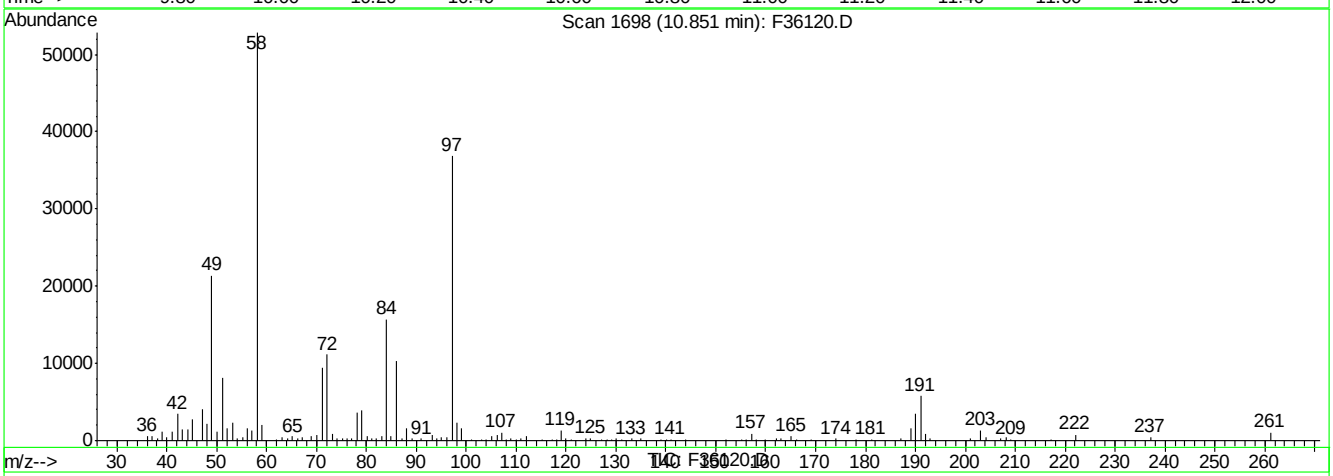
F36120.D MFAP5692.M Thu Jun 19 11:13:03 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36120.D Vial: 4
Acq On : 18 Jun 2014 9:22 pm Operator: ashleyd
Sample : icc5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:05 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(145) Methapyriline (t)

10.85min 55.77ppb m

response 224107

Ion	Exp%	Act%
58.00	100	100
97.00	68.00	69.75
72.00	20.80	21.07
0.00	0.00	0.00

F36120.D MFAP5692.M Thu Jun 19 11:13:10 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36121.D Vial: 5
Acq On : 18 Jun 2014 9:50 pm Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:35:09 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	150402	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	545918	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	324483	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	522946	40.00	ppb	-0.02
83) Chrysene-d12	14.55	240	515039	40.00	ppb	-0.01
92) Perylene-d12	17.61	264	444881	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	150402	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	545918	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	324483	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	522946	40.00	ppb	-0.02
147) Chrysene-d12A	14.55	240	515039	40.00	ppb	-0.01
155) Perylene-d12A	17.61	264	444881	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	150402	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	545918	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	324483	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	522946	40.00	ppb	-0.02
167) Chrysene-d12b	14.55	240	515039	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.86	152	150402	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	545918	40.00	ppb	0.00
176) Chrysene-d12c	14.55	240	515039	40.00	ppb	-0.01
178) Naphthalene-d8a	5.79	136	545918	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.41	93	140743	25.65	ppb	99
104) Pentachloroethane	4.65	167	51453	25.96	ppb	91
105) Methyl methanesulfonate	3.74	80	65103	25.25	ppb	96
106) N-Nitrosodiethylamine	4.06	102	62520	25.87	ppb	97
107) N-Nitrosomethylethylamine	3.50	42	56705	25.42	ppb	98
108) Ethyl methanesulfonate	4.29	79	94549	26.56	ppb	99
109) N-Nitrosopyrrolidine	5.13	41	44140m	14.93	ppb	
110) N-Nitrosomorpholine	5.16	56	67870	28.55	ppb	99
111) o-Toluidine	5.18	106	190337	29.85	ppb	78
113) O,O,O-Triethyl phosphoroth	5.57	198	57273	26.14	ppb	98
114) N-Nitrosopiperidine	5.38	42	69758	25.80	ppb	96
115) A,A-Dimethylphenethylamine	5.90	58	227850	19.61	ppb	100
116) Hexachloropropene	5.87	213	73977	25.72	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36121.D Vial: 5
Acq On : 18 Jun 2014 9:50 pm Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:35:09 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

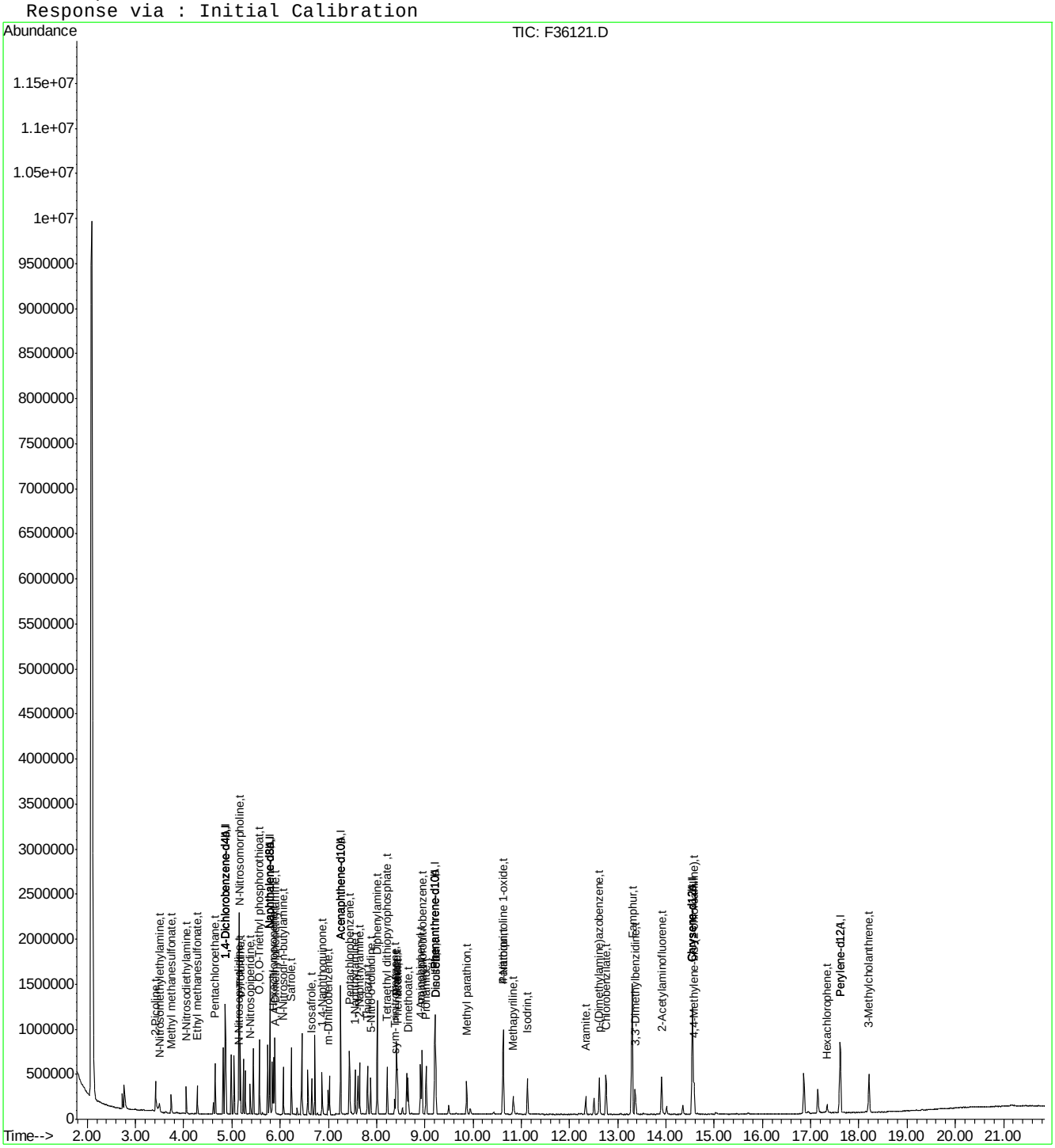
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	6.06	84	80845	26.81	ppb		92
119)	Safrole	6.24	162	90027	26.29	ppb		99
120)	Isosafrole	6.66	162	60820	26.51	ppb		99
122)	Thionazin	7.82	143	31921	26.53	ppb		99
123)	Tetraethyl dithiopyrophosp	8.22	322	31768	27.01	ppb		100
124)	Phorate	8.41	75	146037	19.34	ppb		100
125)	Phenacetin	8.44	108	130149	26.97	ppb		98
126)	1,4-Naphthoquinone	6.87	158	81022	29.88	ppb		97
127)	m-Dinitrobenzene	7.00	168	37825	25.10	ppb		91
128)	Pentachlorobenzene	7.44	250	87922	26.55	ppb		100
129)	1-Naphthylamine	7.55	143	150914	23.12	ppb		97
130)	2-Naphthylamine	7.65	143	218832	27.97	ppb		98
131)	5-Nitro-o-toluidine	7.88	152	76512	27.15	ppb		98
133)	Disulfoton	9.23	88	106604	23.50	ppb		98
134)	Dinoseb	9.23	211	56888	23.09	ppb		99
135)	Dimethoate	8.66	87	101658	28.80	ppb		100
136)	4-Aminobiphenyl	8.91	169	259662	57.48	ppb		99
137)	Methyl parathion	9.87	125	74264	28.91	ppb		100
138)	Parathion	10.62	109	52649	26.08	ppb		98
139)	Diphenylamine	8.01	169	377152	27.25	ppb		100
140)	Isodrin	11.13	193	40152	26.04	ppb		94
141)	Diallate	8.41	86	99114	25.90	ppb		95
142)	Pentachloronitrobenzene	8.94	295	23392	52.89	ppb		97
143)	Pronamide	9.03	173	115214	26.47	ppb		98
144)	4-Nitroquinoline 1-oxide	10.63	190	126487	106.31	ppb		94
145)	Methapyriline	10.83	58	109803	29.38	ppb		96
146)	sym-Trinitrobenzene	8.38	213	22038	23.39	ppb	#	75
148)	Aramite	12.34	185	21307	49.96	ppb		96
149)	p-(Dimethylamine)azobenzen	12.62	120	120929	25.59	ppb		99
151)	Famphur	13.30	218	686402	277.94	ppb		96
152)	2-Acetylaminofluorene	13.91	181	161924	24.43	ppb		99
153)	3,3'-Dimethylbenzidine	13.37	212	107929	112.47	ppb		100
154)	Chlorobenzilate	12.76	251	107617	25.88	ppb		97
156)	4,4-Methylene-bis-(2-chlor	14.58	266	34345	33.77	ppb		99
157)	3-Methylcholanthrene	18.21	268	157349	25.26	ppb		99
158)	Hexachlorophene	17.34	196	12275	28.03	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36121.D Vial: 5
Acq On : 18 Jun 2014 9:50 pm Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:14 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

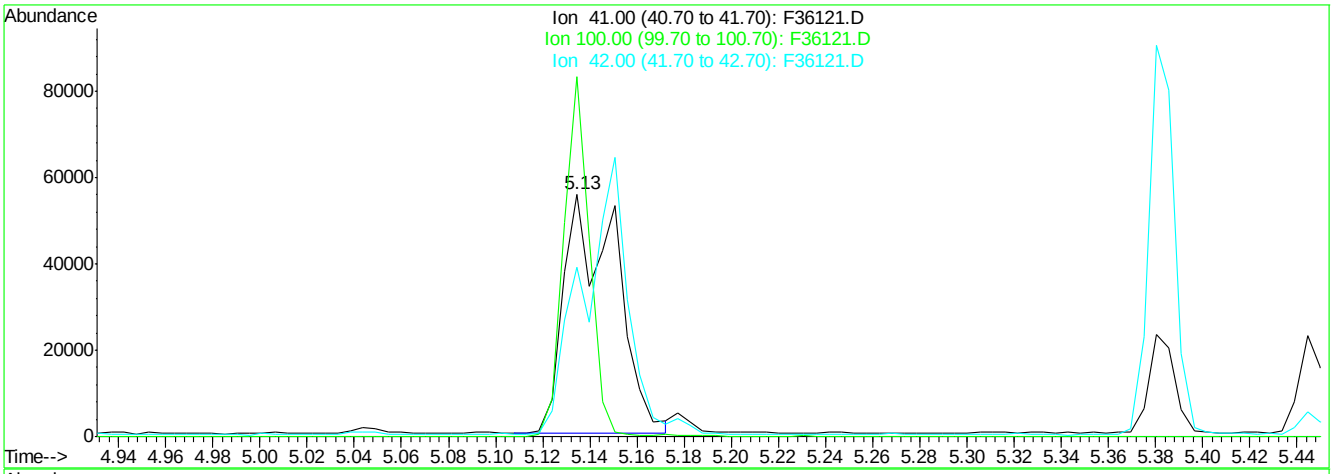
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36121.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 21:50	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

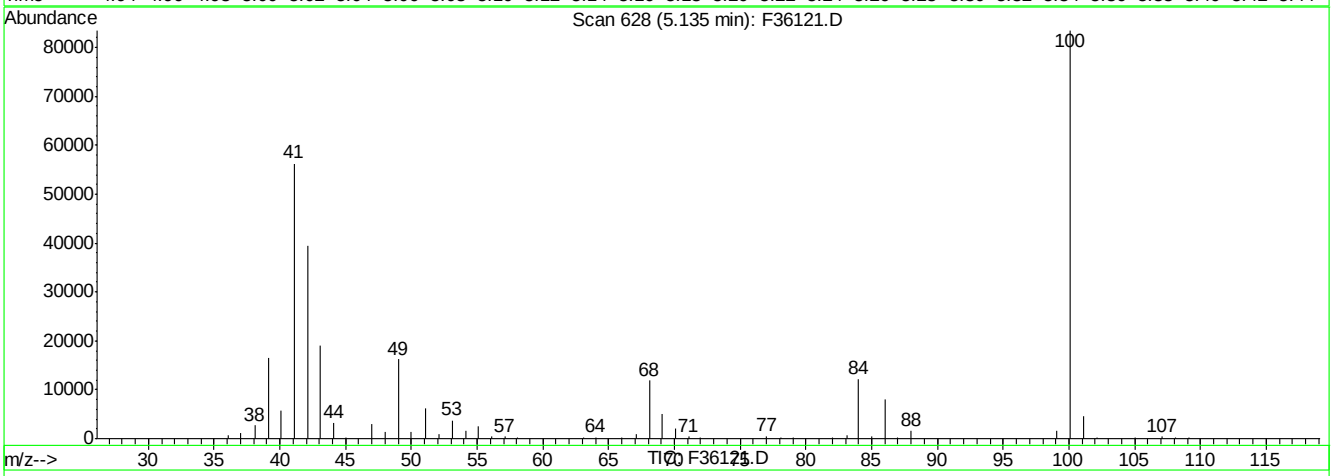
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.13	Overlapping peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36121.D Vial: 5
Acq On : 18 Jun 2014 9:50 pm Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:36 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:48:59 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 29.17ppb

response 86259

Ion	Exp%	Act%
41.00	100	100
100.00	87.50	154.13#
42.00	102.50	69.74#
0.00	0.00	0.00

F36121.D MFAP5692.M Thu Jun 19 10:03:26 2014 RT1

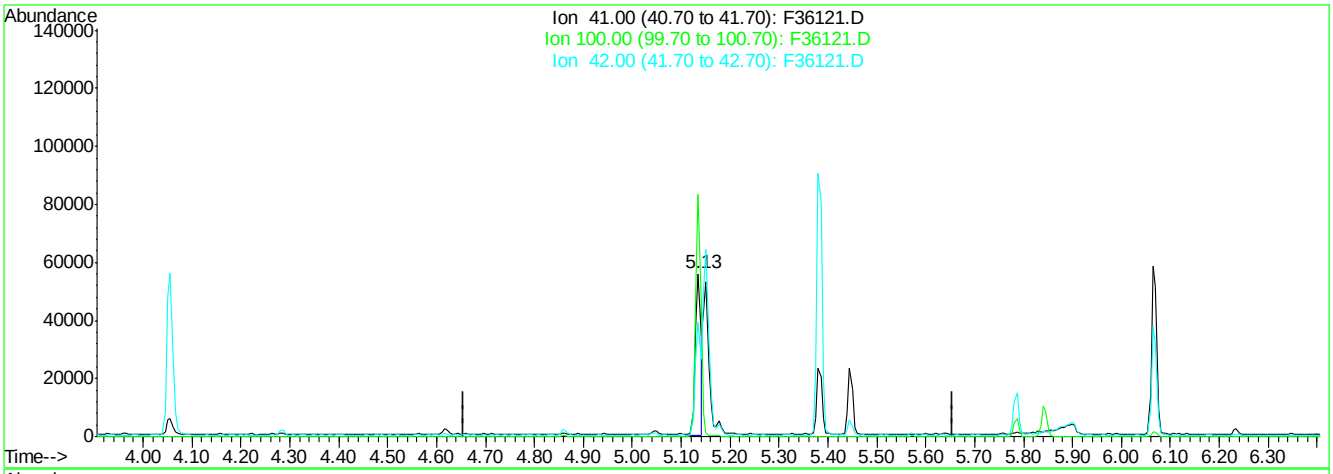
9.6.131.2

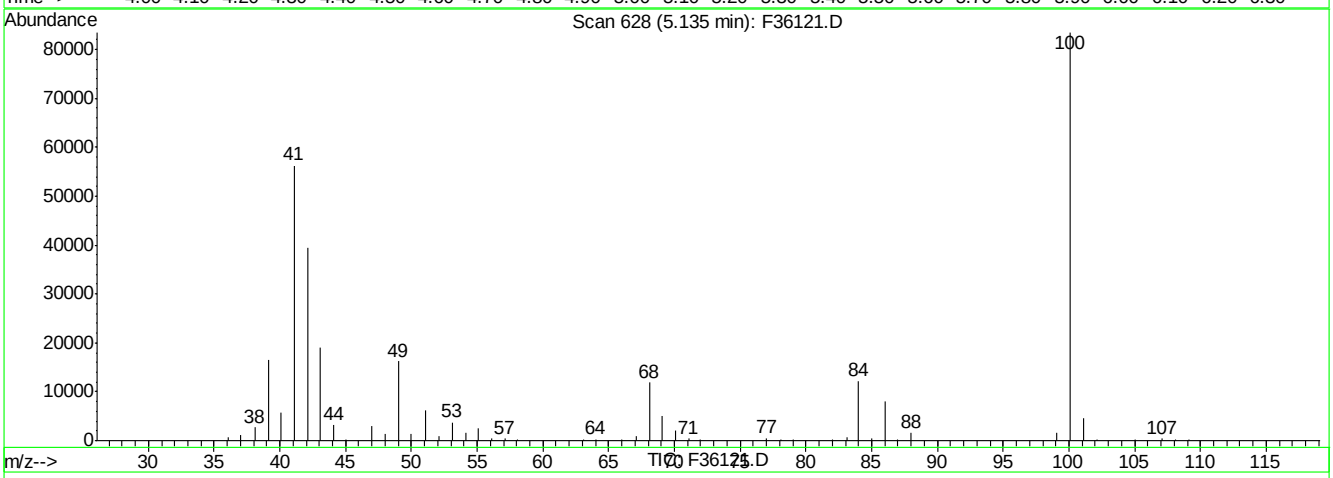
9

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36121.D Vial: 5
Acq On : 18 Jun 2014 9:50 pm Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:14 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 14.93ppb m

response 44140

Ion	Exp%	Act%
41.00	100	100
100.00	87.50	148.55#
42.00	102.50	70.04#
0.00	0.00	0.00

F36121.D MFAP5692.M Thu Jun 19 11:17:29 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:38:06 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	141550	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	518626	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	308281	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	501040	40.00	ppb	-0.02
83) Chrysene-d12	14.55	240	501736	40.00	ppb	-0.01
92) Perylene-d12	17.61	264	435391	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	141550	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	518626	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	308281	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	501040	40.00	ppb	-0.02
147) Chrysene-d12A	14.55	240	501736	40.00	ppb	-0.01
155) Perylene-d12A	17.61	264	435391	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	141550	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	518626	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	308281	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	501040	40.00	ppb	-0.02
167) Chrysene-d12b	14.55	240	501736	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.86	152	141550	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	518626	40.00	ppb	0.00
176) Chrysene-d12c	14.55	240	501736	40.00	ppb	-0.01
178) Naphthalene-d8a	5.79	136	518626	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.42	93	59810	11.58	ppb	99
104) Pentachloroethane	4.65	167	21570	11.56	ppb	95
105) Methyl methanesulfonate	3.75	80	28740	11.84	ppb	98
106) N-Nitrosodiethylamine	4.06	102	25789	11.34	ppb	96
107) N-Nitrosomethylethylamine	3.50	42	24333	11.59	ppb	98
108) Ethyl methanesulfonate	4.29	79	39847	11.89	ppb	96
109) N-Nitrosopyrrolidine	5.13	41	20945m	7.53	ppb	
110) N-Nitrosomorpholine	5.16	56	30247	13.52	ppb	98
111) o-Toluidine	5.18	106	81846	13.64	ppb	90
113) O,O,O-Triethyl phosphoroth	5.57	198	24714	11.87	ppb	93
114) N-Nitrosopiperidine	5.38	42	29102	11.33	ppb	95
115) A,A-Dimethylphenethylamine	5.83	58	115547m	10.47	ppb	
116) Hexachloropropene	5.87	213	30790	11.27	ppb	98

(#) = qualifier out of range (m) = manual integration
F36122.D MFAP5692.M Thu Jun 19 11:17:52 2014 RT1 Page 1

9.6.132
9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:38:06 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

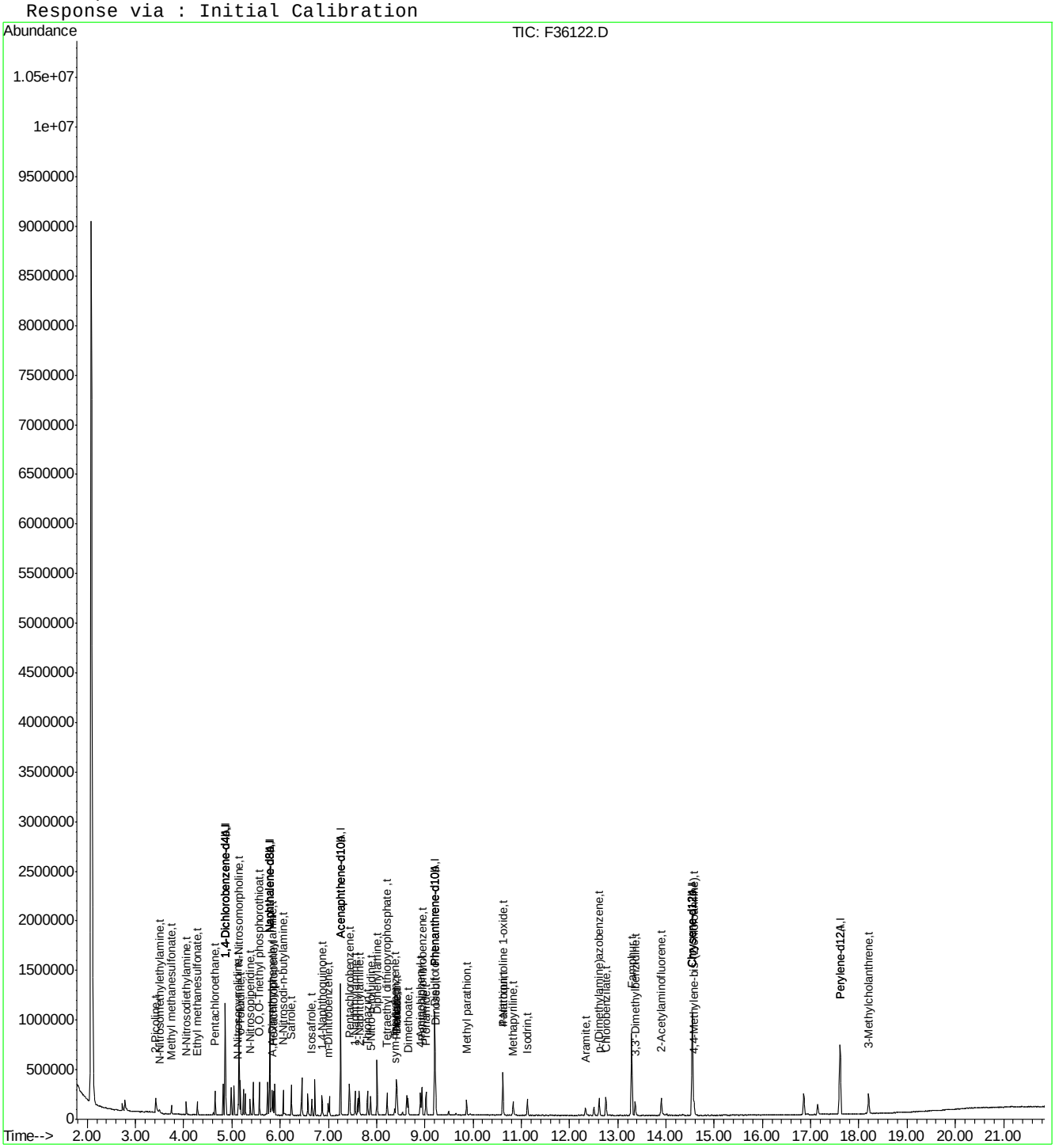
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	6.06	84	35187	12.28	ppb		93
119)	Safrole	6.24	162	38410	11.81	ppb		97
120)	Isosafrole	6.66	162	25991	11.92	ppb		98
122)	Thionazin	7.81	143	14158	12.38	ppb		97
123)	Tetraethyl dithiopyrophosp	8.22	322	14153	12.67	ppb		100
124)	Phorate	8.41	75	65804	9.17	ppb		100
125)	Phenacetin	8.43	108	55879	12.19	ppb		98
126)	1,4-Naphthoquinone	6.87	158	33213	12.89	ppb		97
127)	m-Dinitrobenzene	6.99	168	15124	10.56	ppb		99
128)	Pentachlorobenzene	7.43	250	37653	11.97	ppb		99
129)	1-Naphthylamine	7.55	143	78254	12.62	ppb		95
130)	2-Naphthylamine	7.64	143	98191	13.21	ppb		99
131)	5-Nitro-o-toluidine	7.88	152	31853	11.90	ppb		98
133)	Disulfoton	9.22	88	57551	13.24	ppb		93
134)	Dinoseb	9.23	211	21284	9.02	ppb		98
135)	Dimethoate	8.65	87	43347	12.82	ppb		98
136)	4-Aminobiphenyl	8.91	169	112048	25.89	ppb		97
137)	Methyl parathion	9.87	125	30719	12.48	ppb		98
138)	Parathion	10.62	109	22147	11.45	ppb		98
139)	Diphenylamine	8.01	169	164016	12.37	ppb		99
140)	Isodrin	11.13	193	17274	11.69	ppb		96
141)	Diallate	8.40	86	41845	11.41	ppb		82
142)	Pentachloronitrobenzene	8.94	295	10131	23.91	ppb		95
143)	Pronamide	9.02	173	48615	11.66	ppb		100
144)	4-Nitroquinoline 1-oxide	10.62	190	44466	39.01	ppb		98
145)	Methapyriline	10.83	58	65382	18.26	ppb		98
146)	sym-Trinitrobenzene	8.38	213	8088	8.96	ppb	#	1
148)	Aramite	12.33	185	8899	21.42	ppb		96
149)	p-(Dimethylamine)azobenzen	12.61	120	49926	10.84	ppb		99
151)	Famphur	13.29	218	367057	152.57	ppb		97
152)	2-Acetylaminofluorene	13.90	181	68954	10.68	ppb		98
153)	3,3'-Dimethylbenzidine	13.36	212	74463	79.66	ppb		98
154)	Chlorobenzilate	12.76	251	46099	11.38	ppb		91
156)	4,4-Methylene-bis-(2-chlor	14.58	266	15660	15.73	ppb		93
157)	3-Methylcholanthrene	18.21	268	72054	11.82	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

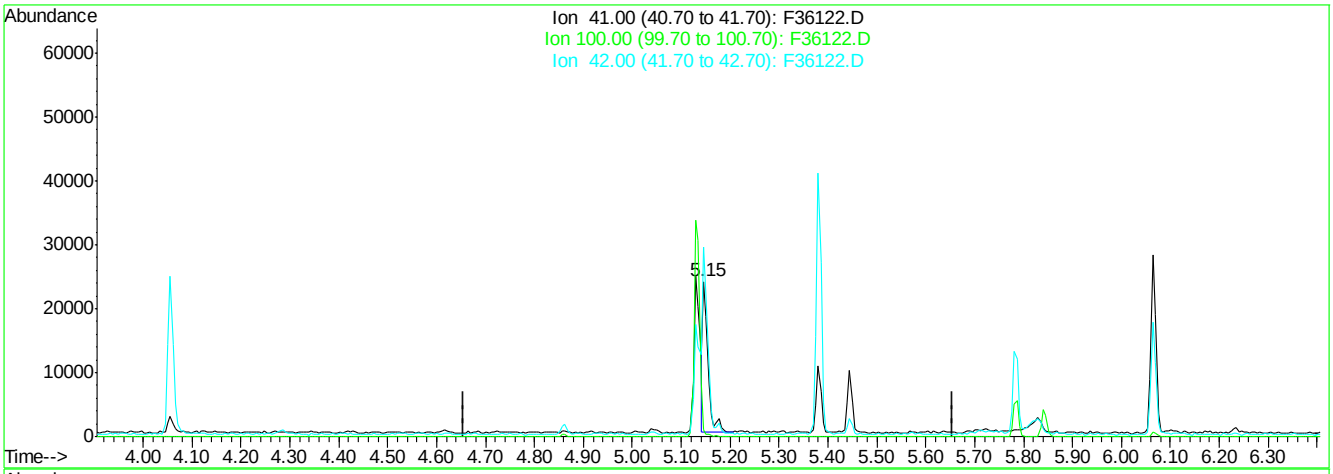
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36122.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 22:19	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

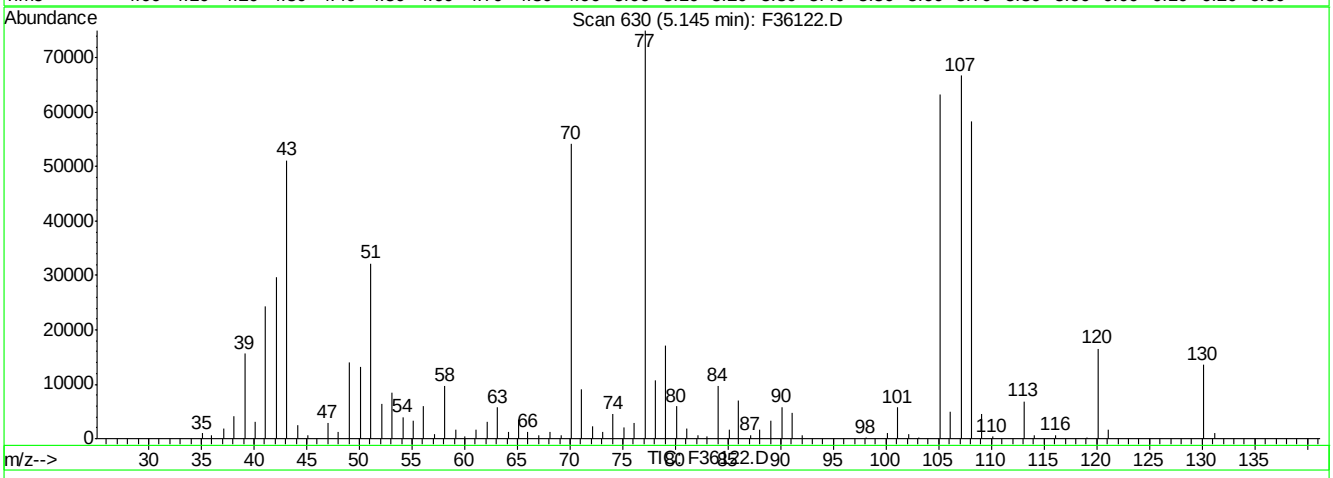
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.13	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.83	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:16 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.15min 6.64ppb

response 18491

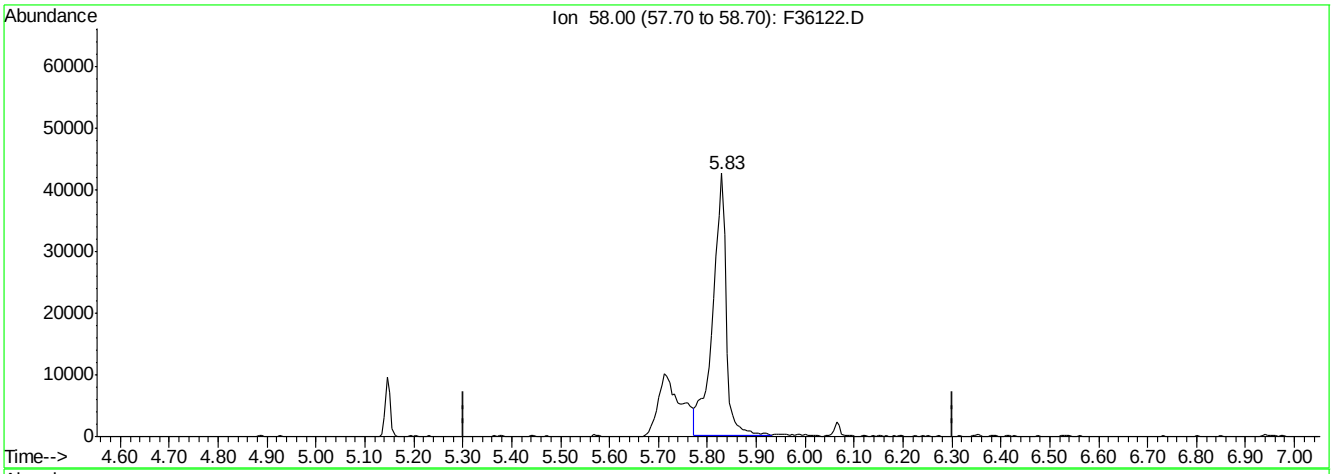
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	0.00#
42.00	102.50	132.31
0.00	0.00	0.00

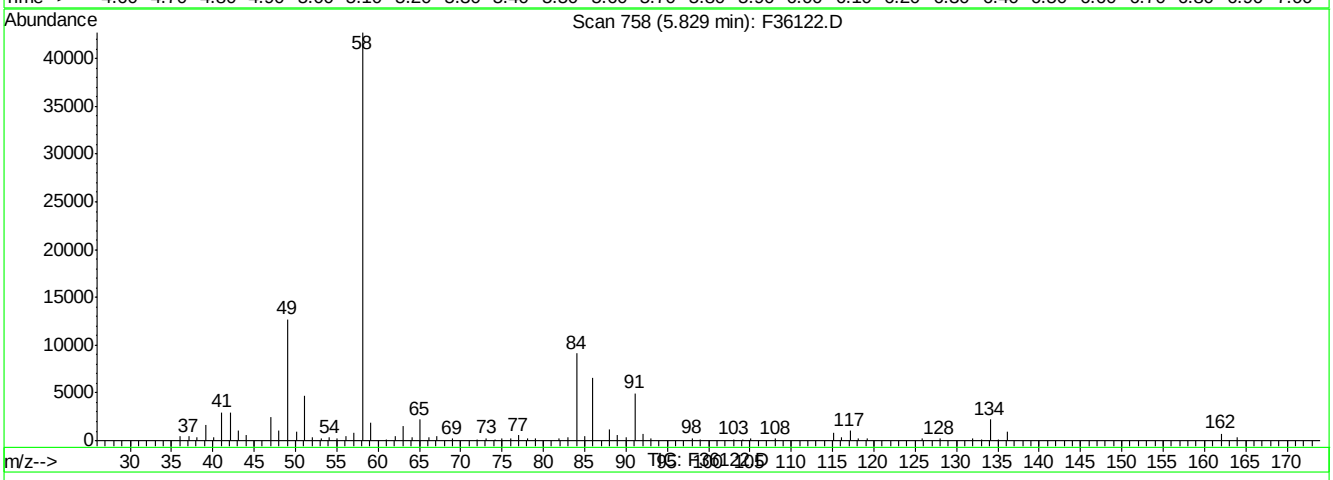
F36122.D MFAP5692.M Thu Jun 19 09:16:39 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:16 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.83min 7.31ppb

response 80683

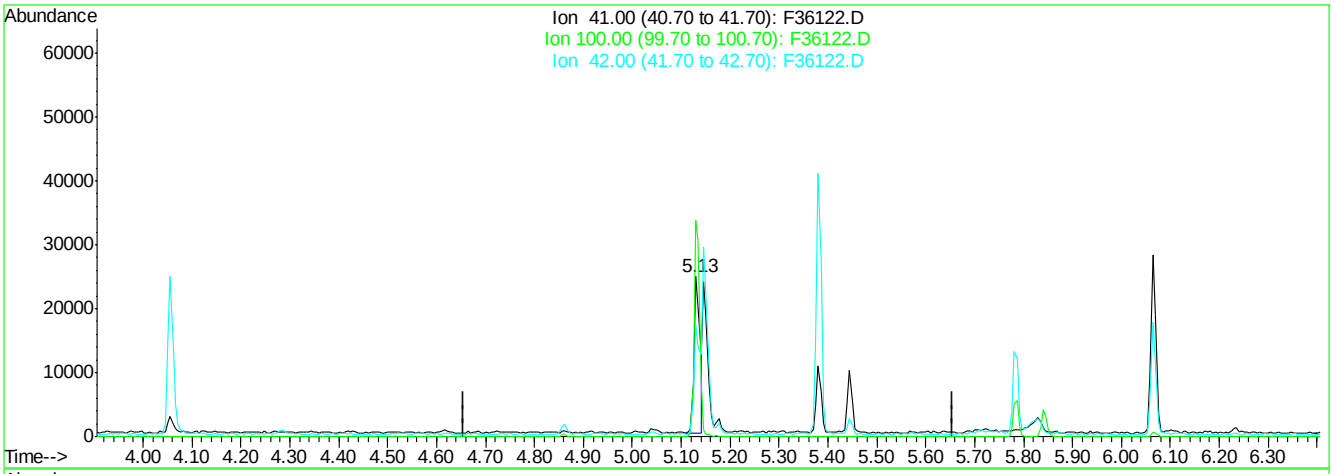
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

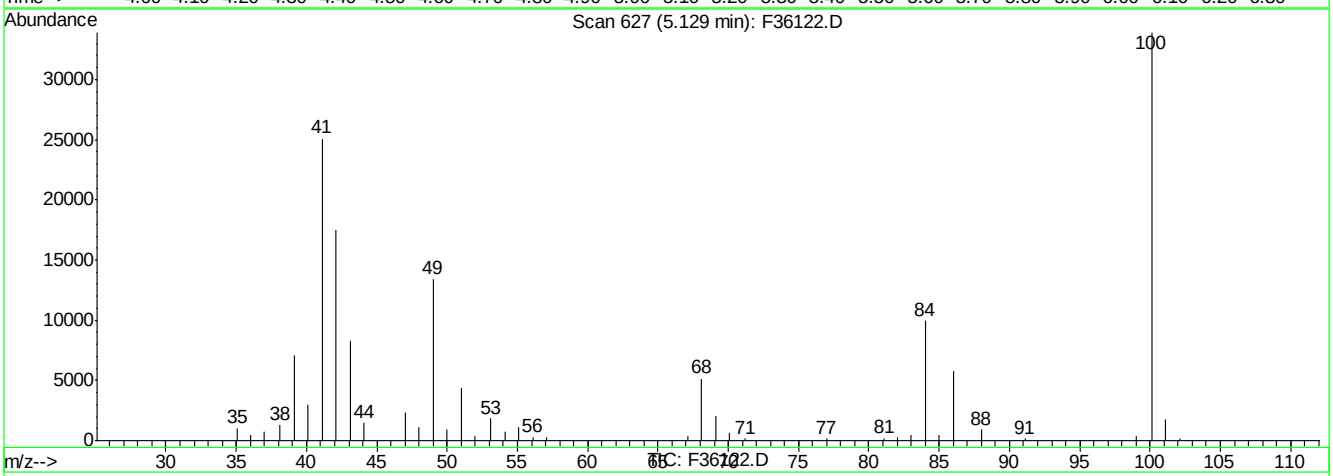
F36122.D MFAP5692.M Thu Jun 19 09:16:59 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 7.53ppb m

response 20945

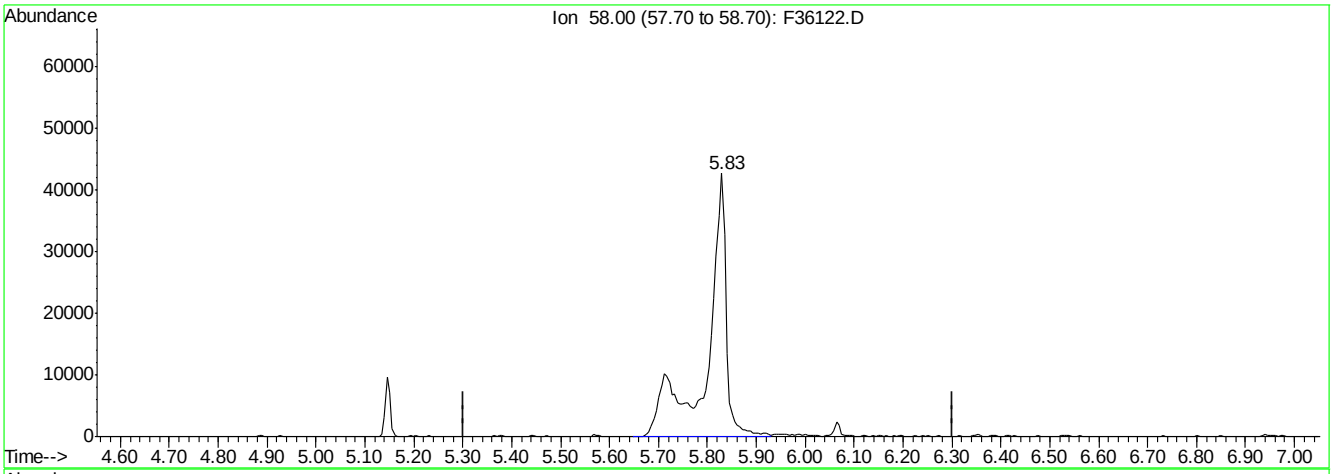
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	135.31#
42.00	102.50	69.80#
0.00	0.00	0.00

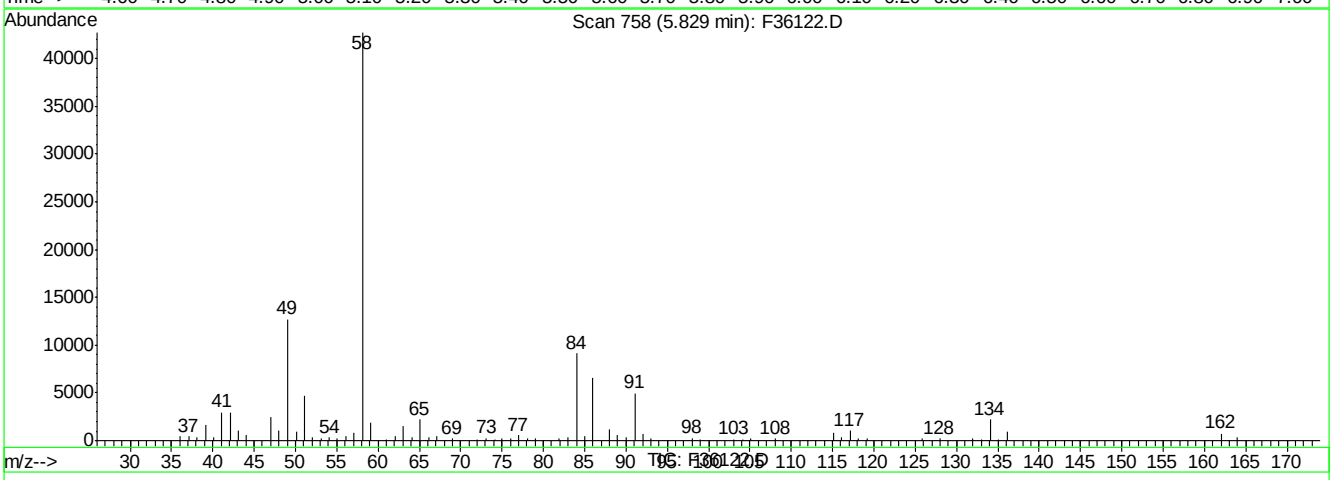
F36122.D MFAP5692.M Thu Jun 19 11:18:02 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36122.D Vial: 6
Acq On : 18 Jun 2014 10:19 pm Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.83min 10.47ppb m

response 115547

Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

F36122.D MFAP5692.M Thu Jun 19 11:18:05 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:39:39 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	133321	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	483967	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	284698	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	463584	40.00	ppb	-0.02
83) Chrysene-d12	14.55	240	471402	40.00	ppb	-0.01
92) Perylene-d12	17.61	264	422971	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	133321	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	483967	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	284698	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	463584	40.00	ppb	-0.02
147) Chrysene-d12A	14.55	240	471402	40.00	ppb	-0.01
155) Perylene-d12A	17.61	264	422971	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	133321	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	483967	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	284698	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	463584	40.00	ppb	-0.02
167) Chrysene-d12b	14.55	240	471402	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.86	152	133321	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	483967	40.00	ppb	0.00
176) Chrysene-d12c	14.55	240	471402	40.00	ppb	-0.01
178) Naphthalene-d8a	5.79	136	483967	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.43	93	25751	5.30	ppb	94
104) Pentachloroethane	4.65	167	9216	5.24	ppb	91
105) Methyl methanesulfonate	3.75	80	12110	5.30	ppb	96
106) N-Nitrosodiethylamine	4.06	102	11265	5.26	ppb	85
107) N-Nitrosomethylethylamine	3.51	42	10297	5.21	ppb	97
108) Ethyl methanesulfonate	4.29	79	17406	5.52	ppb	94
109) N-Nitrosopyrrolidine	5.13	41	8665m	3.31	ppb	
110) N-Nitrosomorpholine	5.16	56	13888	6.59	ppb	92
111) o-Toluidine	5.18	106	36284	6.42	ppb	86
113) O,O,O-Triethyl phosphoroth	5.57	198	10773	5.55	ppb	86
114) N-Nitrosopiperidine	5.38	42	12354	5.15	ppb	95
115) A,A-Dimethylphenethylamine	5.79	58	46409m	4.50	ppb	
116) Hexachloropropene	5.87	213	13635	5.35	ppb	95

(#) = qualifier out of range (m) = manual integration
F36123.D MFAP5692.M Thu Jun 19 11:19:00 2014 RT1 Page 1

9.6.133
6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:39:39 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

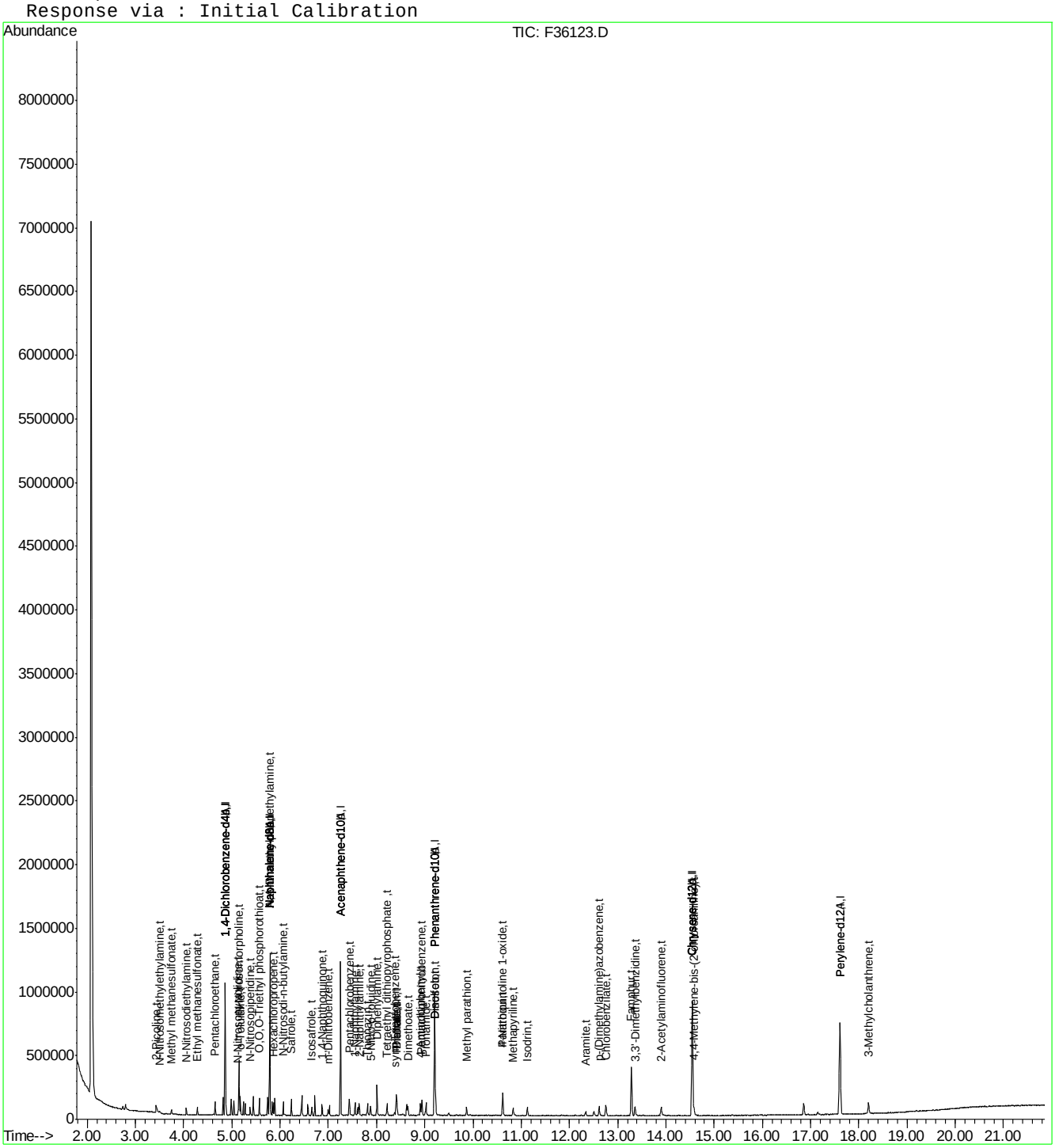
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	6.06	84	14816	5.54	ppb		95
119)	Safrole	6.24	162	16285	5.36	ppb		95
120)	Isosafrole	6.66	162	10422	5.12	ppb		98
122)	Thionazin	7.81	143	5640	5.34	ppb		94
123)	Tetraethyl dithiopyrophosp	8.22	322	6049	5.86	ppb		100
124)	Phorate	8.41	75	27278	4.12	ppb		100
125)	Phenacetin	8.43	108	23025	5.44	ppb		97
126)	1,4-Naphthoquinone	6.87	158	13096	5.50	ppb		94
127)	m-Dinitrobenzene	6.99	168	6119	4.63	ppb		96
128)	Pentachlorobenzene	7.43	250	16642	5.73	ppb		96
129)	1-Naphthylamine	7.55	143	33369	5.83	ppb		96
130)	2-Naphthylamine	7.64	143	39268	5.72	ppb		97
131)	5-Nitro-o-toluidine	7.88	152	13296	5.38	ppb		98
133)	Disulfoton	9.22	88	26041	6.47	ppb		93
134)	Dinoseb	9.22	211	7668	3.51	ppb		96
135)	Dimethoate	8.65	87	18721	5.98	ppb		95
136)	4-Aminobiphenyl	8.91	169	48148	12.02	ppb		99
137)	Methyl parathion	9.87	125	12797	5.62	ppb		99
138)	Parathion	10.62	109	9543	5.33	ppb		95
139)	Diphenylamine	8.01	169	70507	5.75	ppb		98
140)	Isodrin	11.13	193	7687	5.62	ppb		97
141)	Diallate	8.40	86	19137	5.64	ppb		86
142)	Pentachloronitrobenzene	8.94	295	4380	11.17	ppb		93
143)	Pronamide	9.02	173	20335	5.27	ppb		97
144)	4-Nitroquinoline 1-oxide	10.62	190	13921	13.20	ppb		93
145)	Methapyriline	10.83	58	28128	8.49	ppb		100
146)	sym-Trinitrobenzene	8.37	213	2568	3.07	ppb	#	62
148)	Aramite	12.34	185	3729	9.55	ppb		95
149)	p-(Dimethylamine)azobenzen	12.61	120	20113	4.65	ppb		91
151)	Famphur	13.29	218	164511	72.78	ppb		99
152)	2-Acetylaminofluorene	13.90	181	27688	4.56	ppb		100
153)	3,3'-Dimethylbenzidine	13.36	212	39864	45.39	ppb		99
154)	Chlorobenzilate	12.75	251	19678	5.17	ppb		94
156)	4,4-Methylene-bis-(2-chlor	14.58	266	6754	6.98	ppb		79
157)	3-Methylcholanthrene	18.20	268	32083	5.42	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



Manual Integration Approval Summary

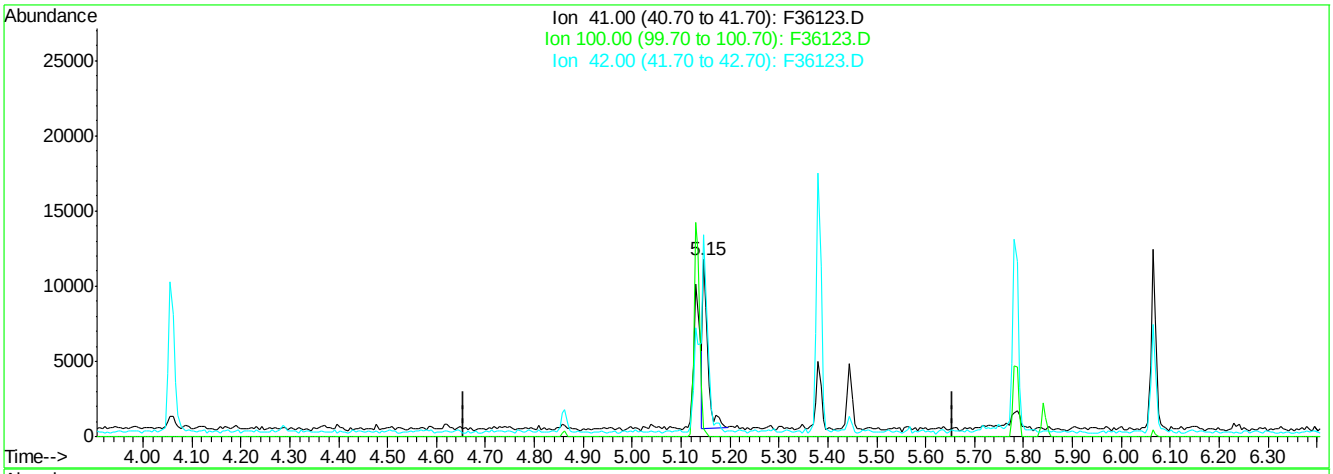
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36123.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 22:47	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

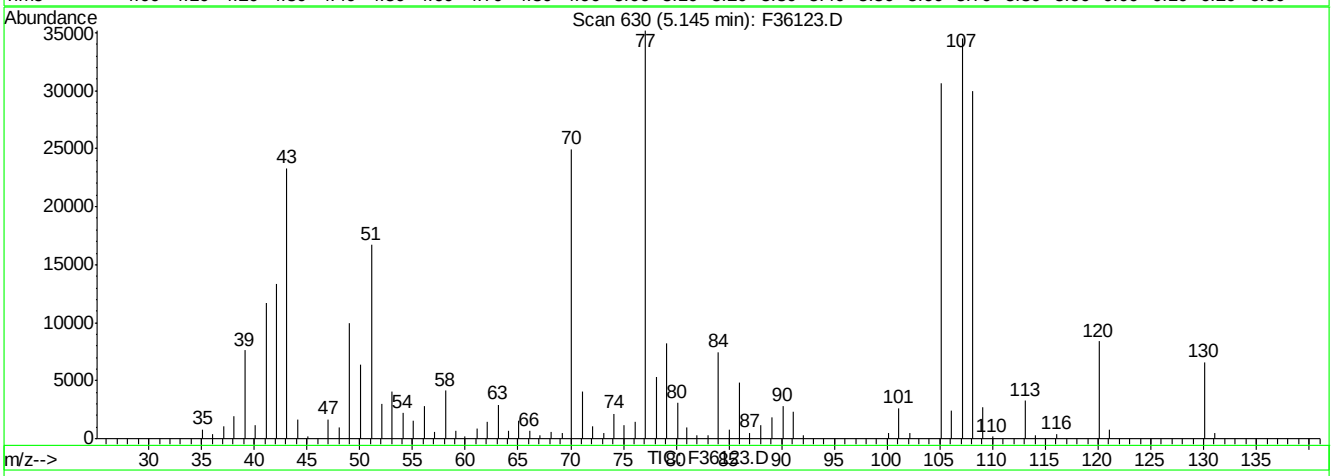
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.13	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.79	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:22 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.15min 3.12ppb

response 8168

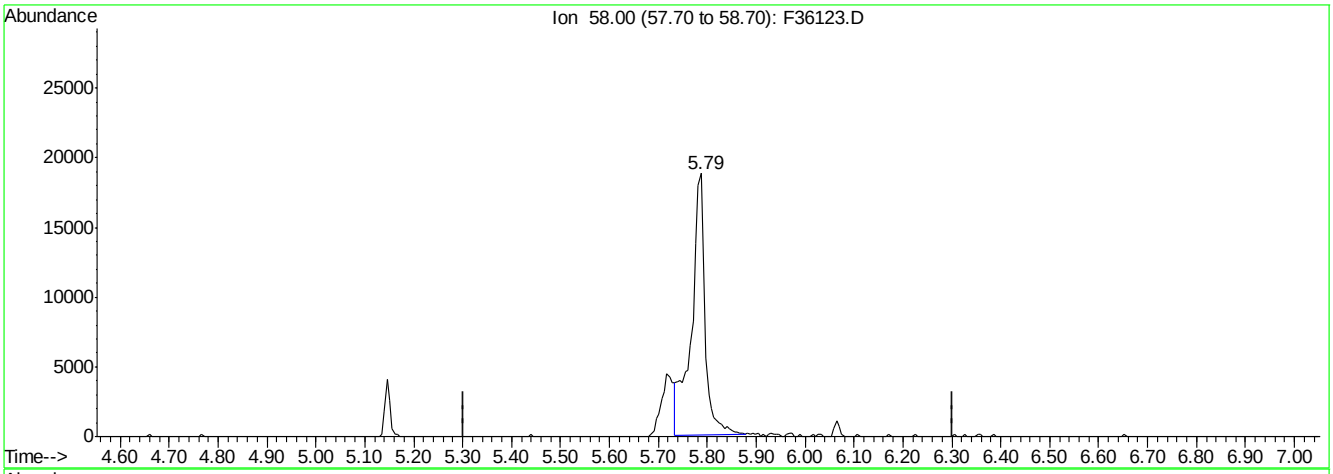
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	0.00#
42.00	102.50	117.45
0.00	0.00	0.00

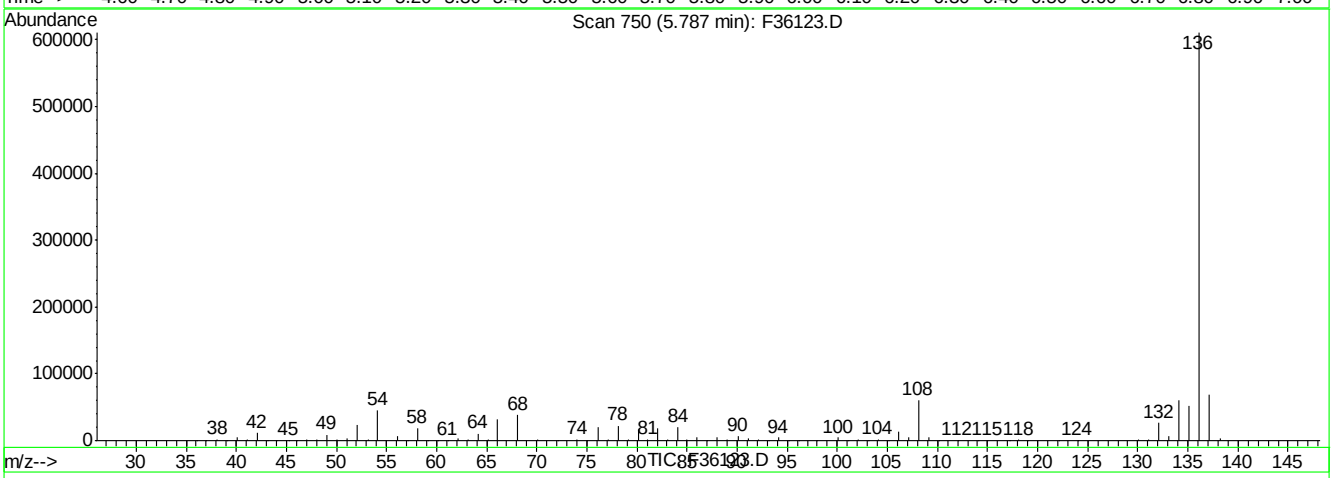
F36123.D MFAP5692.M Thu Jun 19 09:22:32 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:22 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.79min 3.56ppb

response 36725

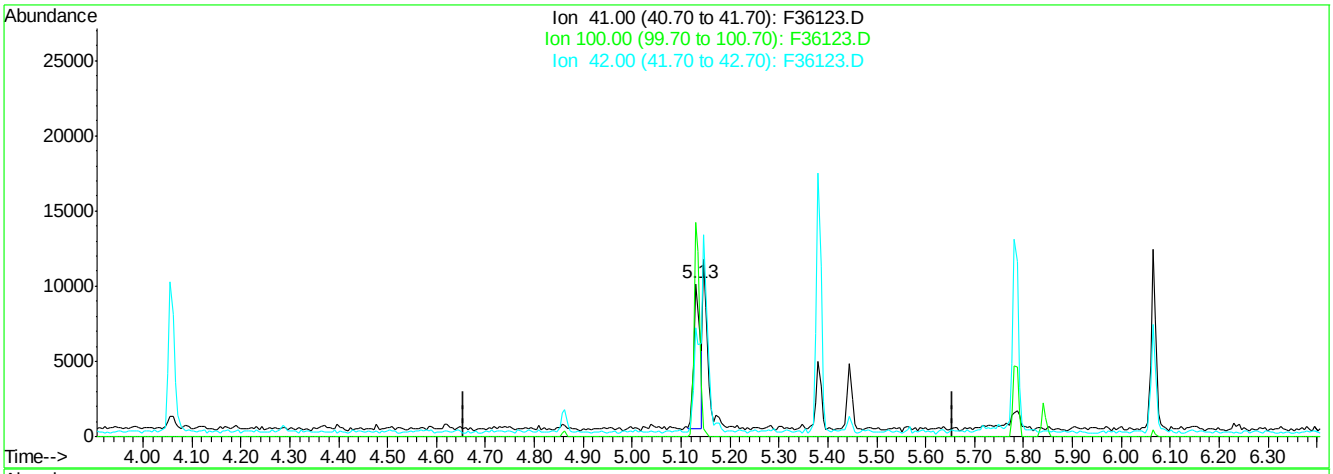
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

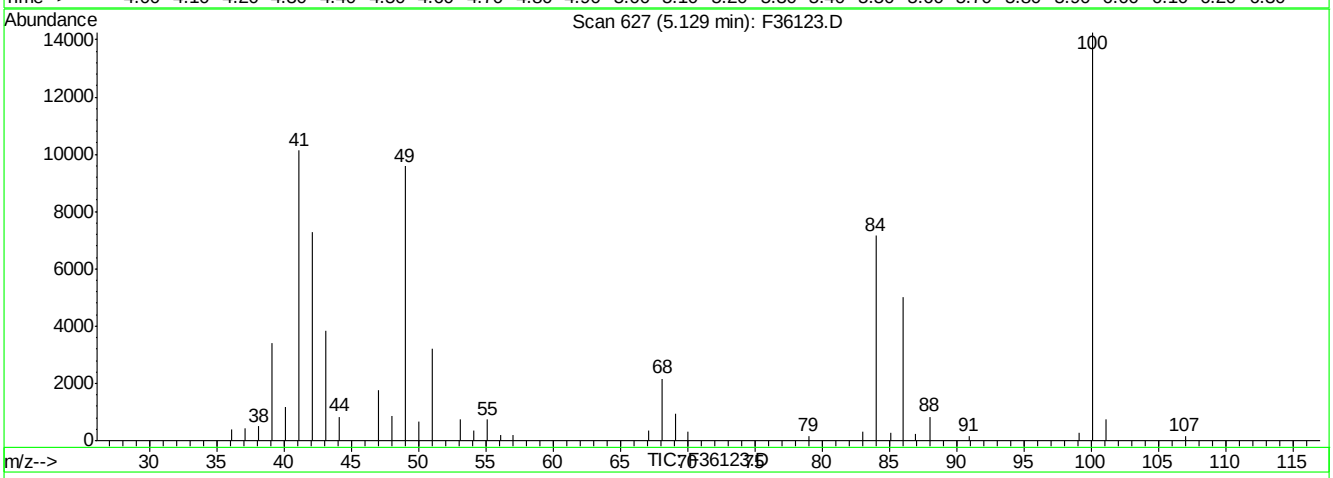
F36123.D MFAP5692.M Thu Jun 19 09:22:46 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 3.31ppb m

response 8665

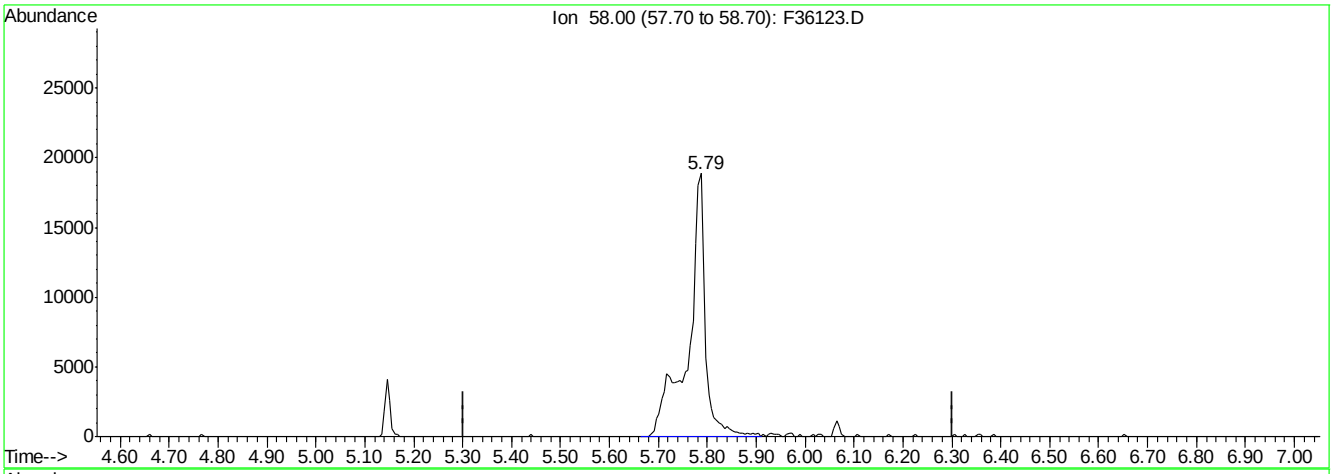
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	140.57#
42.00	102.50	71.66#
0.00	0.00	0.00

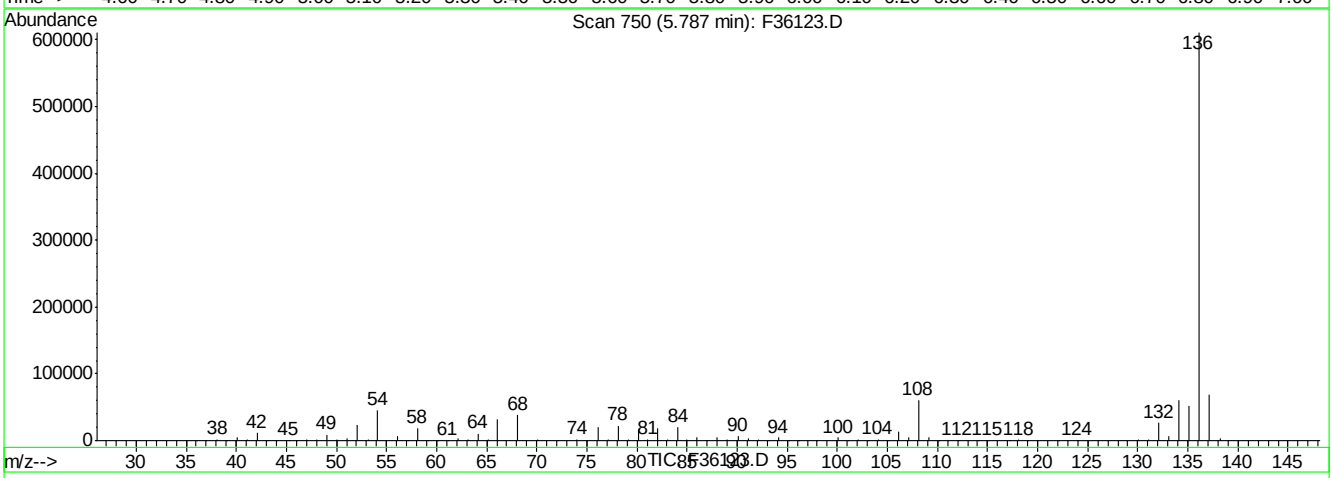
F36123.D MFAP5692.M Thu Jun 19 11:19:12 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36123.D Vial: 7
Acq On : 18 Jun 2014 10:47 pm Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:07 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.79min 4.50ppb m

response 46409

Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

F36123.D MFAP5692.M Thu Jun 19 11:19:15 2014 RT1

F36124.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36124.D Vial: 8
Acq On : 18 Jun 2014 11:16 pm Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:41:12 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	135212	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	492054	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	287704	40.00	ppb	-0.01
69) Phenanthrene-d10	9.21	188	469316	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	468710	40.00	ppb	-0.02
92) Perylene-d12	17.61	264	425858	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	135212	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	492054	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	287704	40.00	ppb	-0.01
132) Phenanthrene-d10A	9.21	188	469316	40.00	ppb	-0.02
147) Chrysene-d12A	14.54	240	468710	40.00	ppb	-0.02
155) Perylene-d12A	17.61	264	425858	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	135212	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	492054	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	287704	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.21	188	469316	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	468710	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	135212	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	492054	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	468710	40.00	ppb	-0.02
178) Naphthalene-d8a	5.79	136	492054	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.45	93	11918	2.42	ppb	96
104) Pentachloroethane	4.65	167	4200	2.36	ppb	92
105) Methyl methanesulfonate	3.75	80	5546	2.39	ppb	91
106) N-Nitrosodiethylamine	4.06	102	5179	2.38	ppb	95
107) N-Nitrosomethylethylamine	3.51	42	4357	2.17	ppb	86
108) Ethyl methanesulfonate	4.29	79	7451	2.33	ppb	96
109) N-Nitrosopyrrolidine	5.13	41	3973m	1.49	ppb	
110) N-Nitrosomorpholine	5.16	56	6023	2.82	ppb	94
111) o-Toluidine	5.18	106	16592	2.89	ppb	93
113) O,O,O-Triethyl phosphoroth	5.57	198	4916	2.49	ppb	92
114) N-Nitrosopiperidine	5.38	42	5649	2.32	ppb	99
115) A,A-Dimethylphenethylamine	5.76	58	19546	1.87	ppb	100
116) Hexachloropropene	5.87	213	6186	2.39	ppb	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36124.D Vial: 8
Acq On : 18 Jun 2014 11:16 pm Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:41:12 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

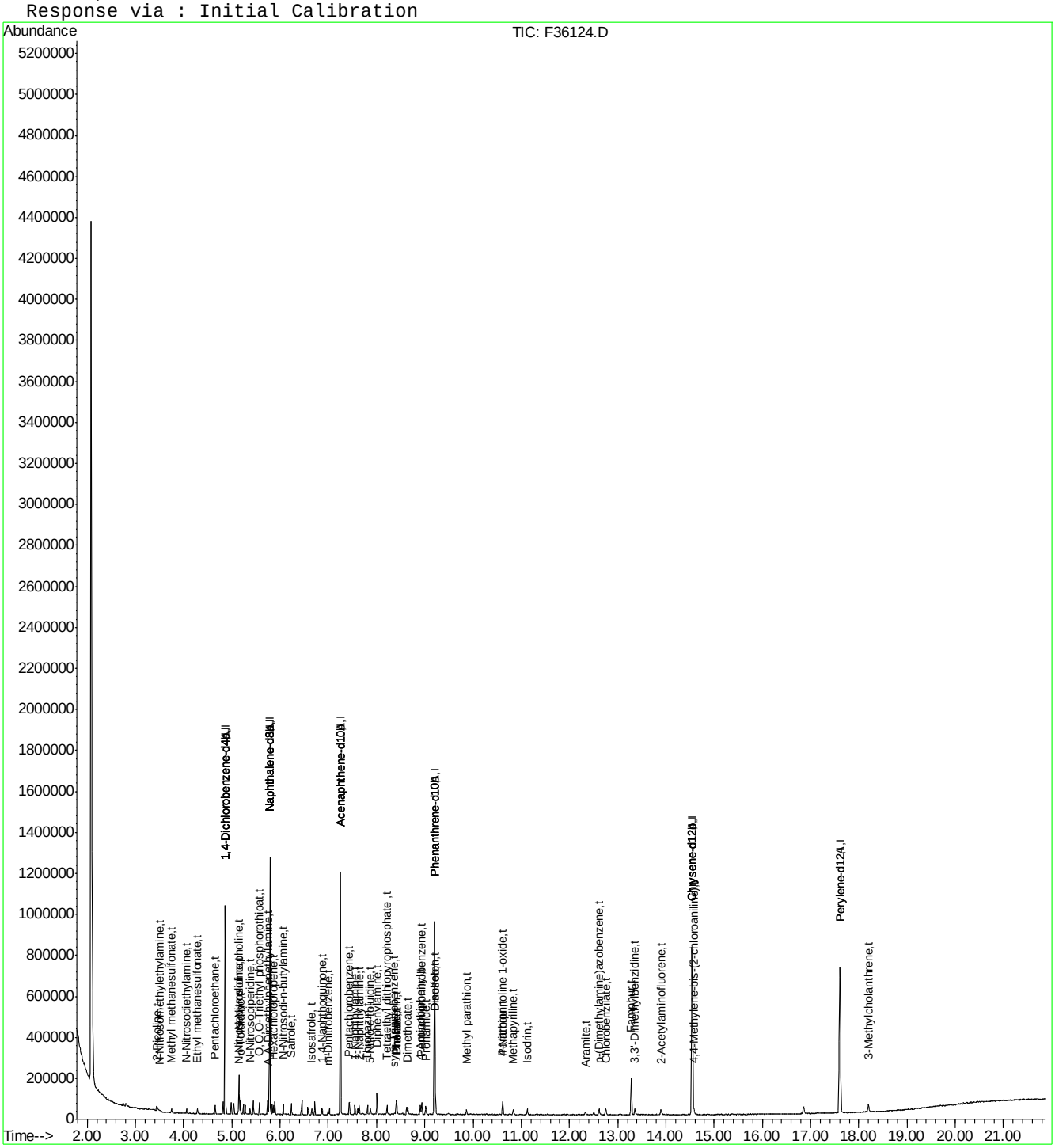
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	6.06	84	6409	2.36	ppb		89
119)	Safrole	6.24	162	7215	2.34	ppb		93
120)	Isosafrole	6.66	162	4886	2.36	ppb		98
122)	Thionazin	7.81	143	2539	2.38	ppb		94
123)	Tetraethyl dithiopyrophosp	8.22	322	2884	2.77	ppb		100
124)	Phorate	8.41	75	11870	1.77	ppb		100
125)	Phenacetin	8.42	108	9636	2.25	ppb		100
126)	1,4-Naphthoquinone	6.87	158	5180	2.15	ppb		96
127)	m-Dinitrobenzene	6.99	168	2405	1.80	ppb		93
128)	Pentachlorobenzene	7.43	250	7537	2.57	ppb		99
129)	1-Naphthylamine	7.55	143	15001	2.59	ppb		96
130)	2-Naphthylamine	7.64	143	17508	2.52	ppb		92
131)	5-Nitro-o-toluidine	7.88	152	5257	2.10	ppb		96
133)	Disulfoton	9.22	88	14215	3.49	ppb		87
134)	Dinoseb	9.22	211	2469	1.12	ppb		91
135)	Dimethoate	8.64	87	8069	2.55	ppb		95
136)	4-Aminobiphenyl	8.91	169	21967	5.42	ppb		97
137)	Methyl parathion	9.86	125	5134	2.23	ppb		99
138)	Parathion	10.62	109	3618	2.00	ppb		91
139)	Diphenylamine	8.01	169	30710	2.47	ppb		98
140)	Isodrin	11.12	193	3354	2.42	ppb		92
141)	Diallate	8.40	86	7889	2.30	ppb		89
142)	Pentachloronitrobenzene	8.94	295	1935	4.88	ppb		88
143)	Pronamide	9.02	173	8573	2.20	ppb		94
144)	4-Nitroquinoline 1-oxide	10.62	190	4026	3.77	ppb		93
145)	Methapyriline	10.83	58	11743	3.50	ppb		98
146)	sym-Trinitrobenzene	8.37	213	1015	1.20	ppb	#	63
148)	Aramite	12.33	185	1487	3.83	ppb		91
149)	p-(Dimethylamine)azobenzen	12.61	120	8175	1.90	ppb		86
151)	Famphur	13.28	218	70719	31.47	ppb		98
152)	2-Acetylaminofluorene	13.90	181	11174	1.85	ppb		96
153)	3,3'-Dimethylbenzidine	13.36	212	17086	19.57	ppb		96
154)	Chlorobenzilate	12.75	251	8344	2.20	ppb		97
156)	4,4-Methylene-bis-(2-chlor	14.59	266	2762	2.84	ppb	#	45
157)	3-Methylcholanthrene	18.20	268	14464	2.43	ppb		92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36124.D Vial: 8
Acq On : 18 Jun 2014 11:16 pm Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:08 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

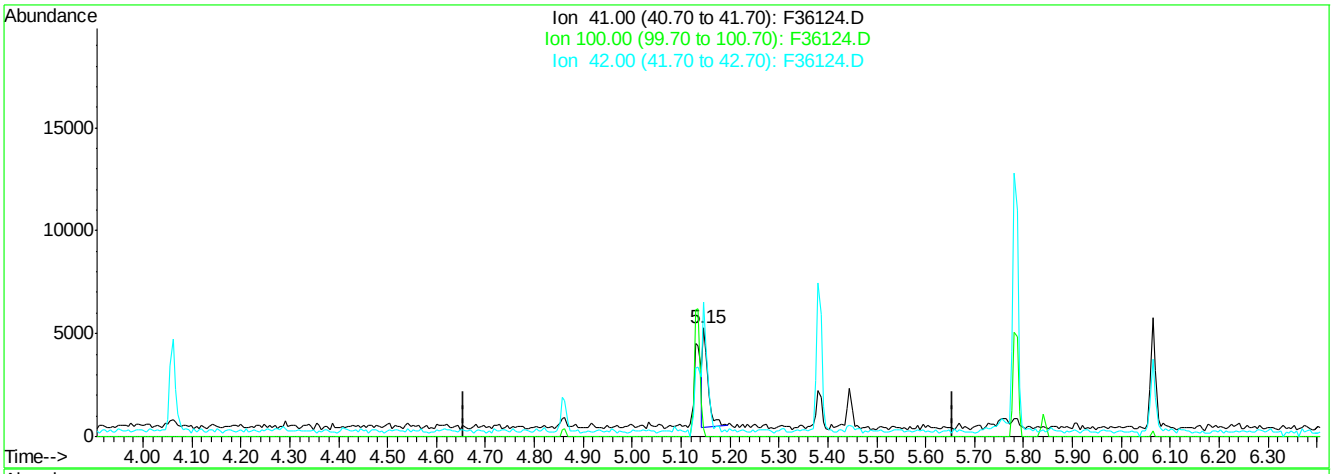
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36124.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 23:16	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

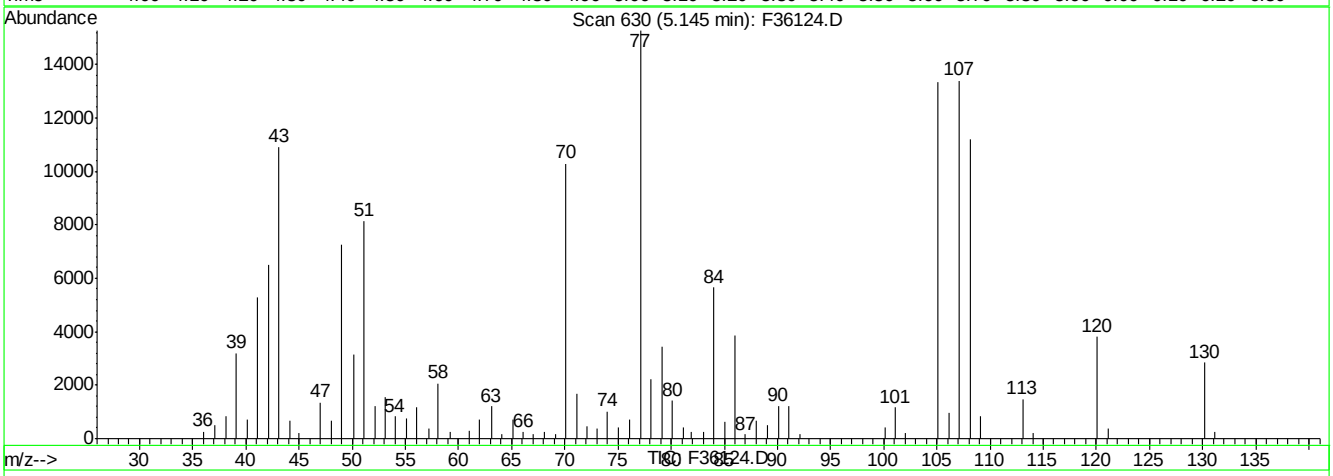
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.13	Overlapping peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36124.D Vial: 8
Acq On : 18 Jun 2014 11:16 pm Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:41 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.15min 1.38ppb

response 3680

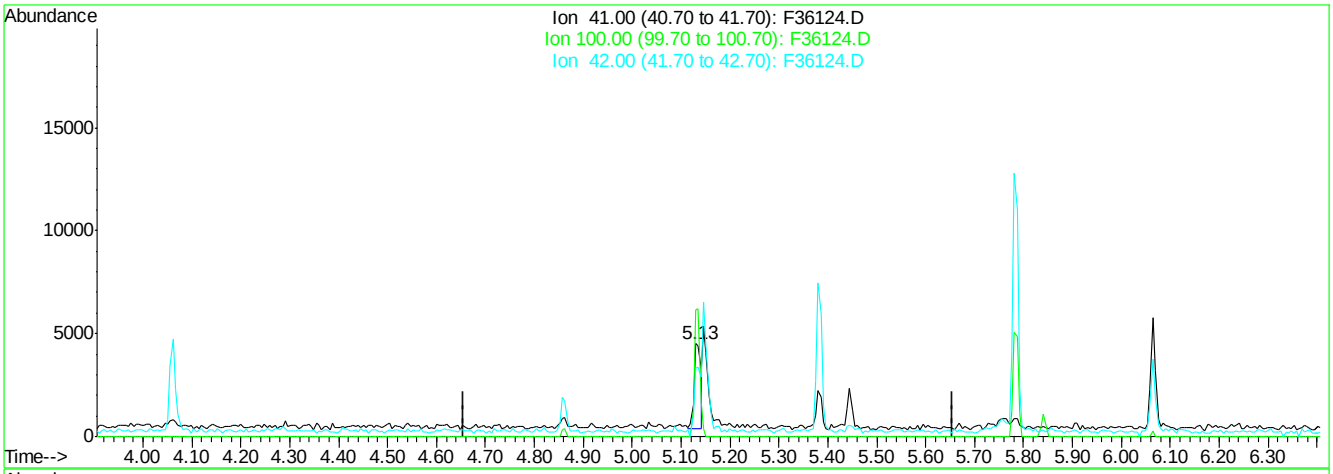
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	0.00#
42.00	102.50	148.20#
0.00	0.00	0.00

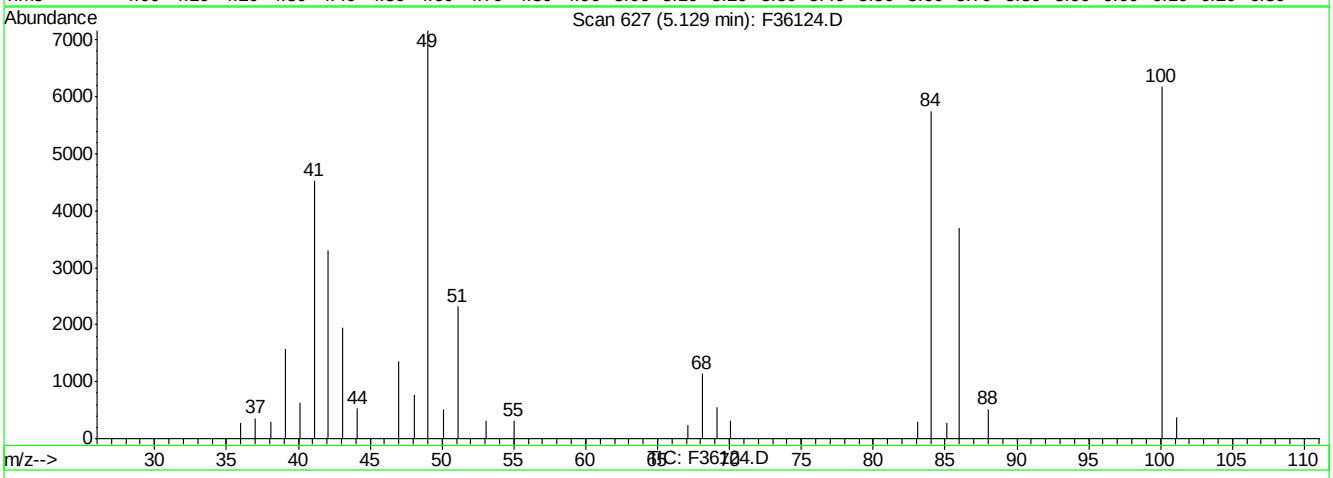
F36124.D MFAP5692.M Thu Jun 19 09:41:48 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36124.D Vial: 8
Acq On : 18 Jun 2014 11:16 pm Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:08 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 1.49ppb m

response 3973

Ion	Exp%	Act%
41.00	100	100
100.00	87.50	136.67#
42.00	102.50	73.25
0.00	0.00	0.00

F36124.D MFAP5692.M Thu Jun 19 11:19:37 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/24/14 11:57

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:42:38 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	131601	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	477462	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	281718	40.00	ppb	-0.01
69) Phenanthrene-d10	9.20	188	455893	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	452179	40.00	ppb	-0.02
92) Perylene-d12	17.61	264	402407	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	131601	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	477462	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	281718	40.00	ppb	-0.01
132) Phenanthrene-d10A	9.20	188	455893	40.00	ppb	-0.02
147) Chrysene-d12A	14.54	240	452179	40.00	ppb	-0.02
155) Perylene-d12A	17.61	264	402407	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	131601	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	477462	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	281718	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.20	188	455893	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	452179	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	131601	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	477462	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	452179	40.00	ppb	-0.02
178) Naphthalene-d8a	5.79	136	477462	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.46	93	5805	1.21	ppb	84
104) Pentachloroethane	4.65	167	2141	1.23	ppb	94
105) Methyl methanesulfonate	3.76	80	2655	1.18	ppb	98
106) N-Nitrosodiethylamine	4.06	102	2603	1.23	ppb	96
107) N-Nitrosomethylethylamine	3.51	42	3000	1.54	ppb	86
108) Ethyl methanesulfonate	4.29	79	4079	1.31	ppb	94
109) N-Nitrosopyrrolidine	5.13	41	1911m	0.74	ppb	
110) N-Nitrosomorpholine	5.16	56	3035	1.46	ppb	89
111) o-Toluidine	5.18	106	7826	1.40	ppb	87
113) O,O,O-Triethyl phosphoroth	5.57	198	2514	1.31	ppb	80
114) N-Nitrosopiperidine	5.39	42	2628	1.11	ppb	94
115) A,A-Dimethylphenethylamine	5.74	58	9312m	0.92	ppb	
116) Hexachloropropene	5.87	213	2825	1.12	ppb	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 09:42:38 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

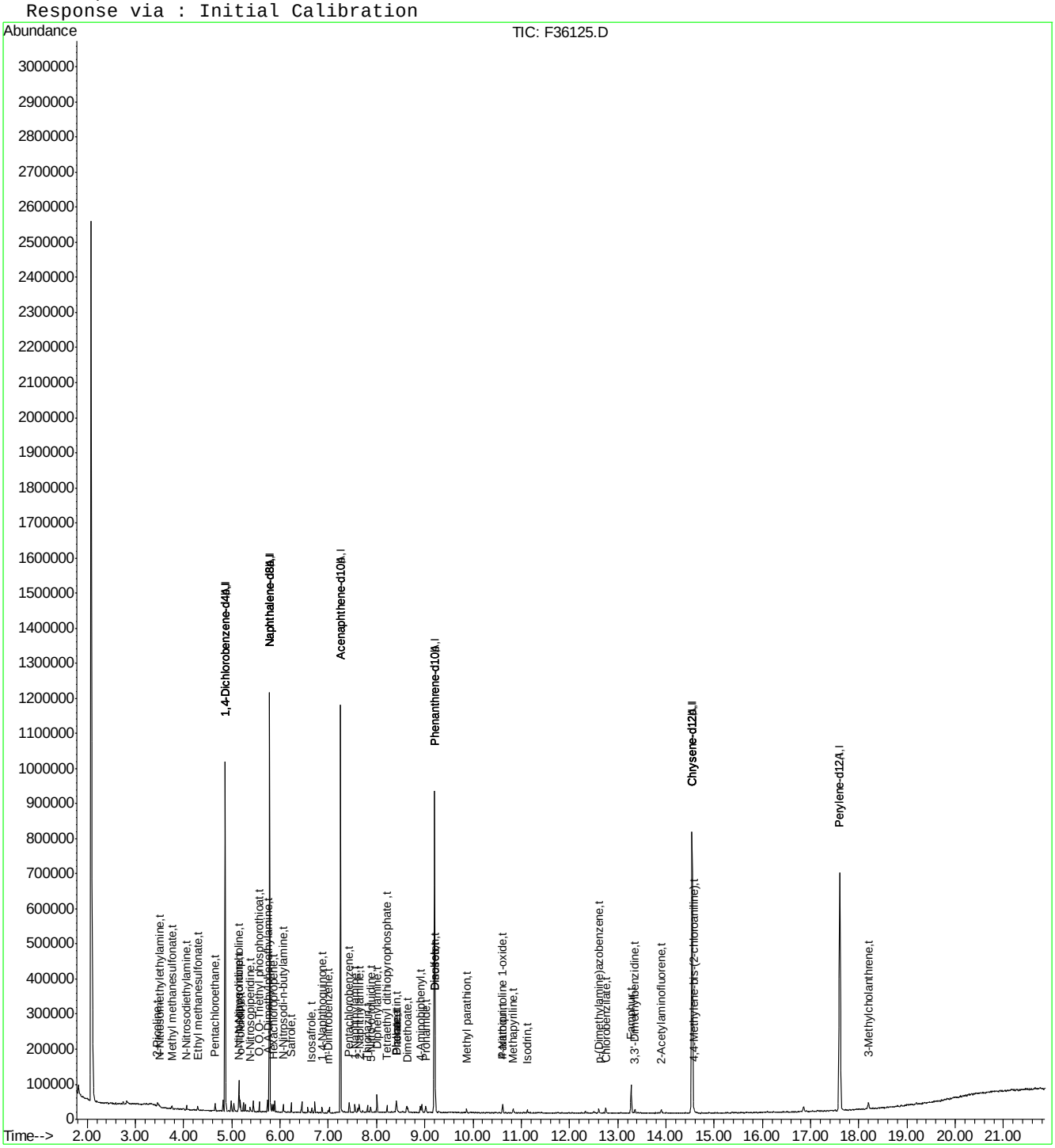
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	6.06	84	3026	1.15	ppb		87
119)	Safrole	6.24	162	3399	1.13	ppb		97
120)	Isosafrole	6.66	162	2326	1.16	ppb	#	69
122)	Thionazin	7.81	143	1229	1.18	ppb		92
123)	Tetraethyl dithiopyrophosp	8.22	322	1320	1.29	ppb		100
124)	Phorate	8.41	75	5851	0.89	ppb		100
125)	Phenacetin	8.42	108	4404	1.05	ppb		91
126)	1,4-Naphthoquinone	6.87	158	2081	0.88	ppb		94
127)	m-Dinitrobenzene	6.99	168	1126	0.86	ppb		87
128)	Pentachlorobenzene	7.43	250	3606	1.25	ppb		90
129)	1-Naphthylamine	7.55	143	7010	1.24	ppb		94
130)	2-Naphthylamine	7.64	143	9454	1.39	ppb		97
131)	5-Nitro-o-toluidine	7.88	152	2424	0.99	ppb		93
133)	Disulfoton	9.22	88	9192	2.32	ppb		93
134)	Dinoseb	9.22	211	1008	0.47	ppb		77
135)	Dimethoate	8.64	87	3618	1.18	ppb		88
136)	4-Aminobiphenyl	8.91	169	10525	2.67	ppb		96
137)	Methyl parathion	9.87	125	2444	1.09	ppb		83
138)	Parathion	10.61	109	1599	0.91	ppb		95
139)	Diphenylamine	8.01	169	15119	1.25	ppb		97
140)	Isodrin	11.12	193	1512	1.12	ppb		91
141)	Diallate	8.40	86	4718	1.41	ppb		89
143)	Pronamide	9.02	173	4113	1.08	ppb		95
144)	4-Nitroquinoline 1-oxide	10.61	190	1468	1.42	ppb		78
145)	Methapyriline	10.83	58	5792	1.78	ppb		88
149)	p-(Dimethylamine)azobenzen	12.62	120	3965	0.96	ppb		85
151)	Famphur	13.28	218	33578	15.49	ppb		99
152)	2-Acetylaminofluorene	13.90	181	4872	0.84	ppb		97
153)	3,3'-Dimethylbenzidine	13.36	212	8026	9.53	ppb		90
154)	Chlorobenzilate	12.75	251	4029	1.10	ppb	#	77
156)	4,4-Methylene-bis-(2-chlor	14.58	266	1229	1.34	ppb	#	59
157)	3-Methylcholanthrene	18.20	268	6929	1.23	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:09 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

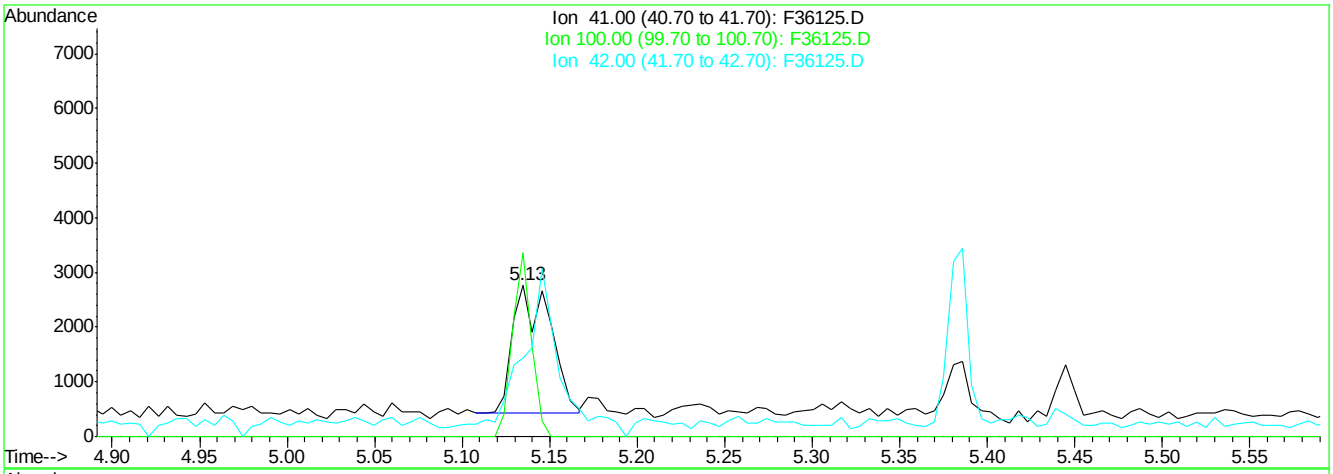
Sample Number:	EF5702-IC5702	**Method:**	SW846 8270D
Lab FileID:	F36125.D	**Analyst approved:**	06/20/14 12:57 Kristi Schollenberger
Injection Time:	06/18/14 23:44	**Supervisor approved:**	06/24/14 11:57 Nina Pandya

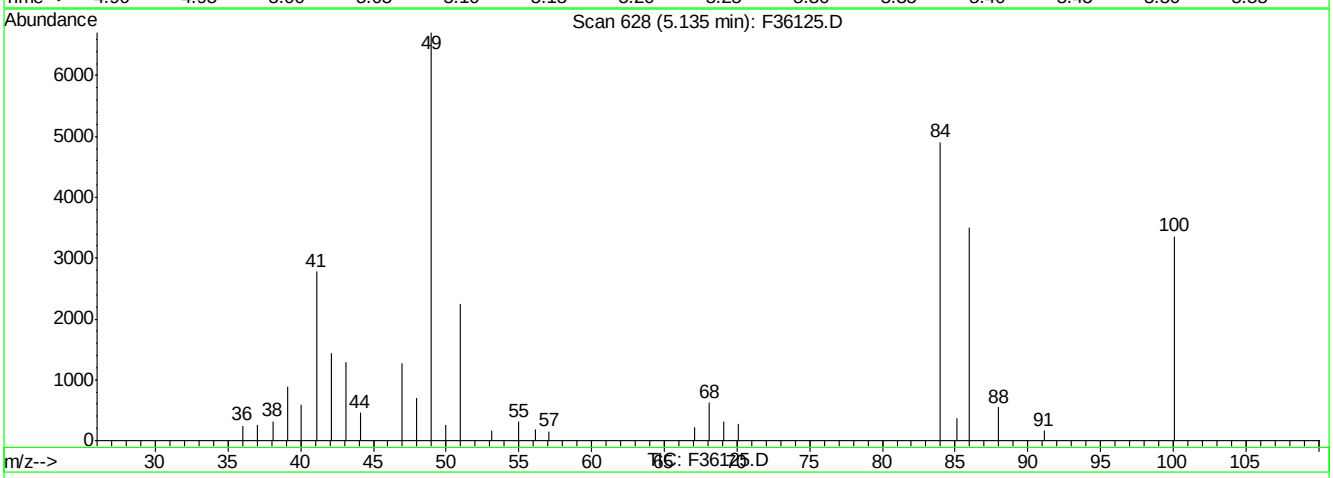
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.13	Overlapping peak
A,A-Dimethylphenethylamine	122-09-8		5.74	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:43 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 1.36ppb

response 3514

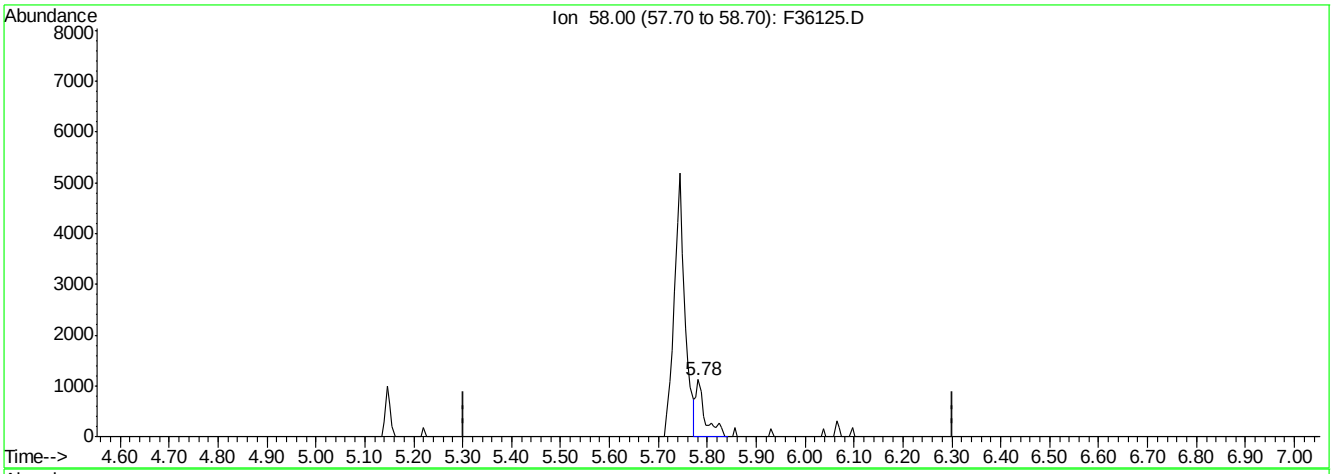
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	145.03#
42.00	102.50	45.89#
0.00	0.00	0.00

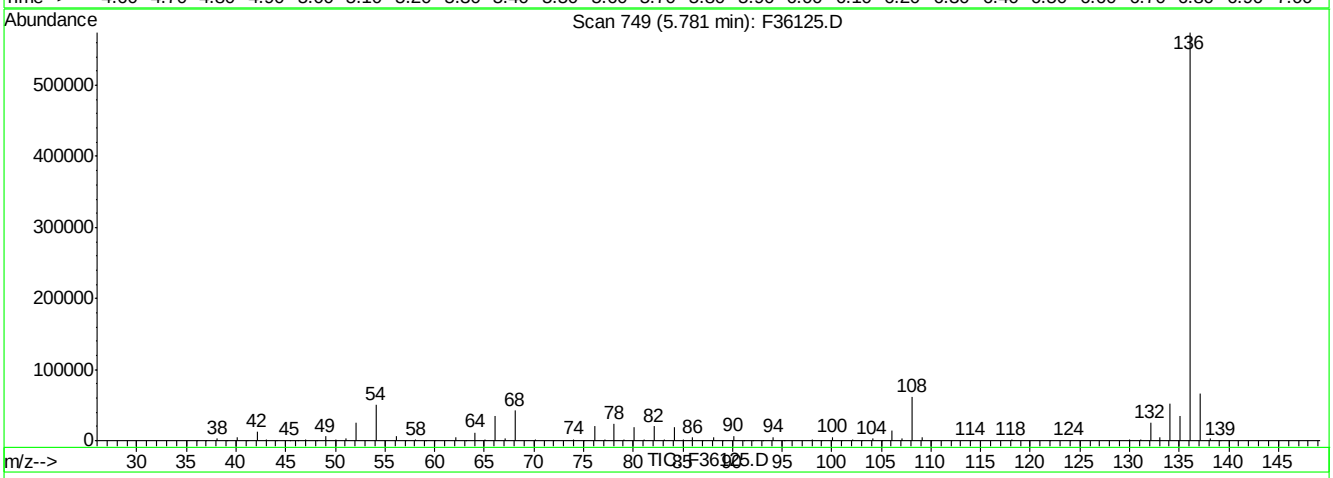
F36125.D MFAP5692.M Thu Jun 19 09:43:36 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 9:43 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 09:04:43 2014
Response via : Multiple Level Calibration





(115) A,A-Dimethylphenethylamine (t)

5.78min 0.15ppb

response 1502

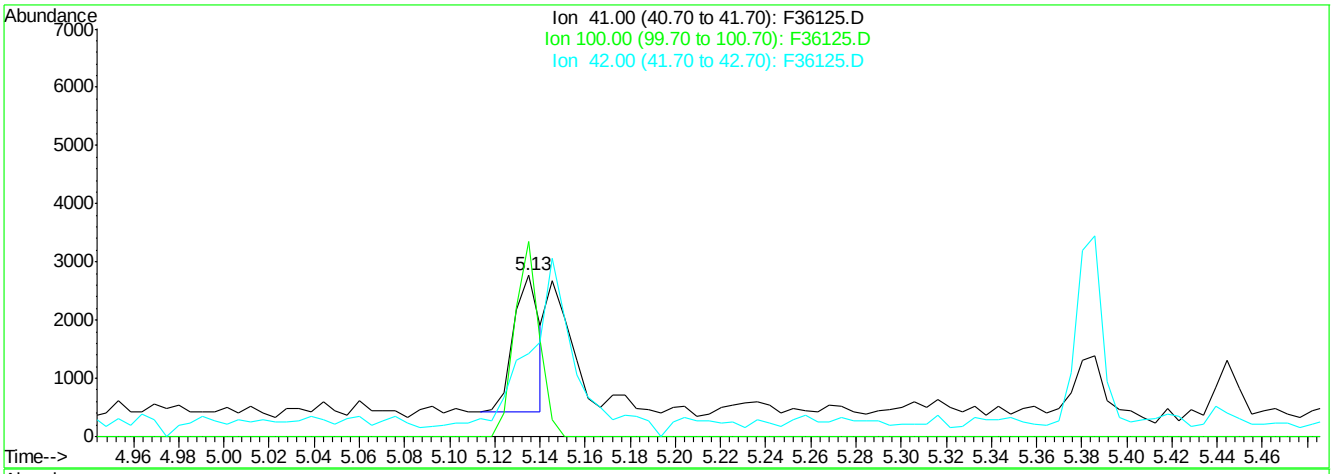
Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

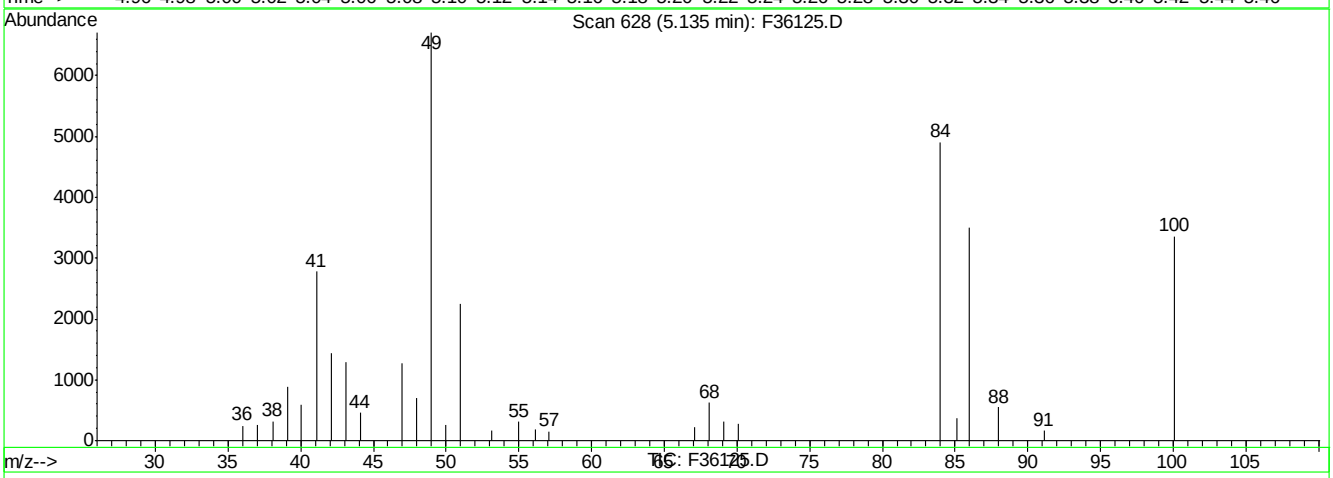
F36125.D MFAP5692.M Thu Jun 19 09:43:47 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:09 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.13min 0.74ppb m

response 1911

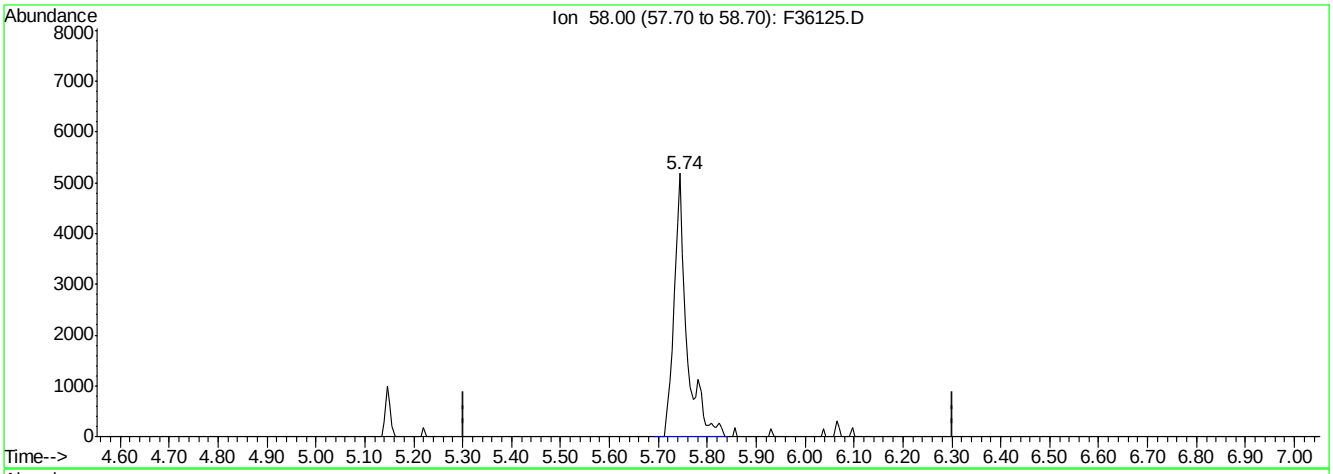
Ion	Exp%	Act%
41.00	100	100
100.00	87.50	120.85#
42.00	102.50	51.60#
0.00	0.00	0.00

F36125.D MFAP5692.M Thu Jun 19 11:19:58 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36125.D Vial: 9
Acq On : 18 Jun 2014 11:44 pm Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 10:09 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:07:55 2014
Response via : Multiple Level Calibration



(115) A,A-Dimethylphenethylamine (t)

5.74min 0.92ppb m

response 9312

Ion	Exp%	Act%
58.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

F36125.D MFAP5692.M Thu Jun 19 11:20:07 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36126.D Vial: 10
Acq On : 19 Jun 2014 12:13 am Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:29:10 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	136279	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	497689	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	296488	40.00	ppb	0.00
69) Phenanthrene-d10	9.20	188	480922	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	490730	40.00	ppb	-0.02
92) Perylene-d12	17.61	264	439375	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	136279	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	497689	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	296488	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	480922	40.00	ppb	-0.01
147) Chrysene-d12A	14.54	240	490730	40.00	ppb	-0.01
155) Perylene-d12A	17.61	264	439375	40.00	ppb	-0.01
159) 1,4-Dichlorobenzene-d4b	4.86	152	136279	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	497689	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	296488	40.00	ppb	0.00
165) Phenanthrene-d10b	9.20	188	480922	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	490730	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	136279	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	497689	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	490730	40.00	ppb	-0.02
178) Naphthalene-d8a	5.79	136	497689	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.21	106	649902	100.00	ppb	98
172) 2-chloroaniline	5.48	127	559163	100.00	ppb	97
173) 3-chloroaniline	5.82	127	532542	100.00	ppb	96
174) Catechol	5.73	110	446527	100.00	ppb	93
175) 1-chloro-2-nitrobenzene	6.03	75	219533	100.00	ppb	96

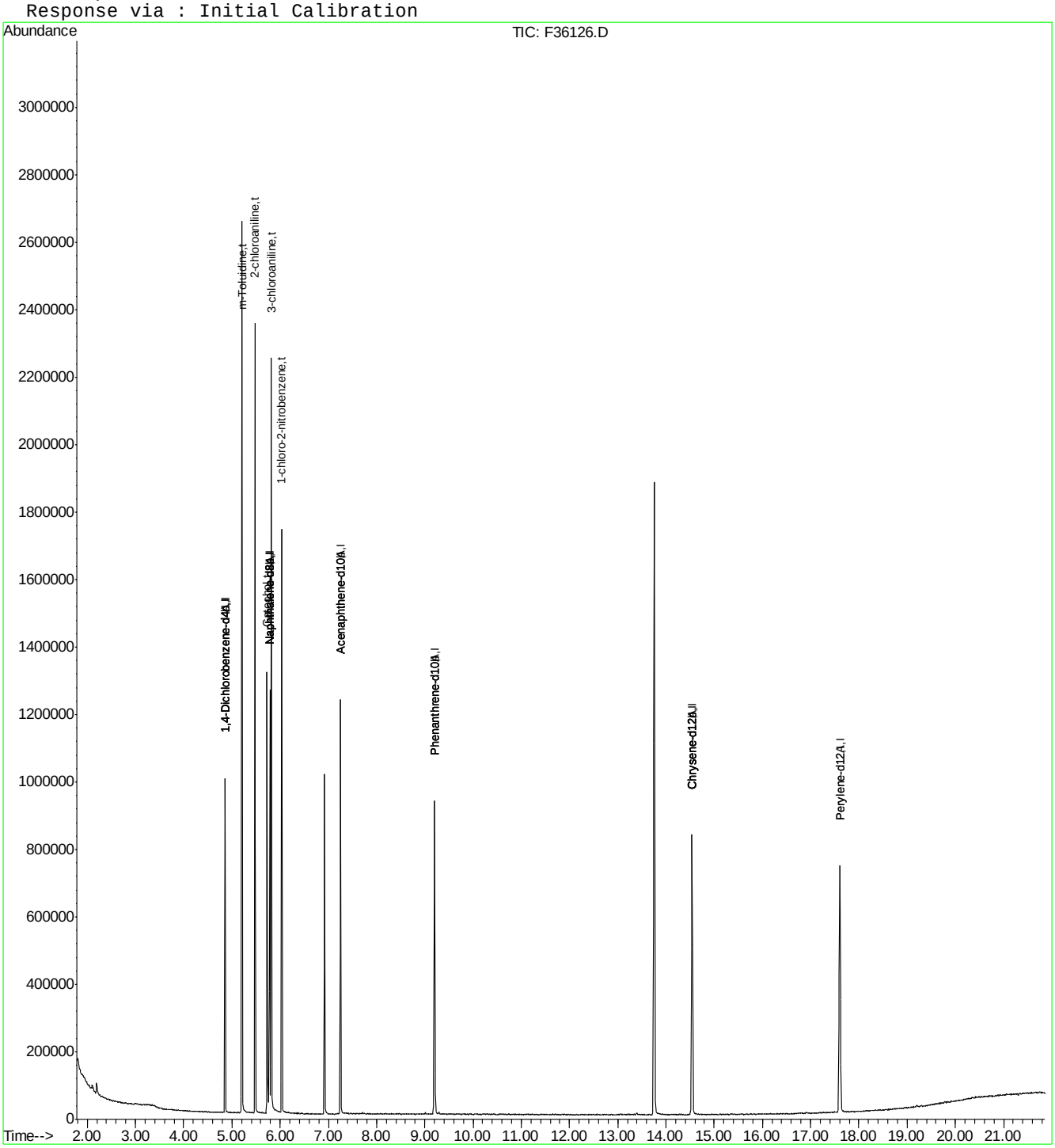
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36126.D Vial: 10
Acq On : 19 Jun 2014 12:13 am Operator: ashleyd
Sample : ic5702-100 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:29 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36127.D Vial: 11
Acq On : 19 Jun 2014 12:41 am Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:30:10 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

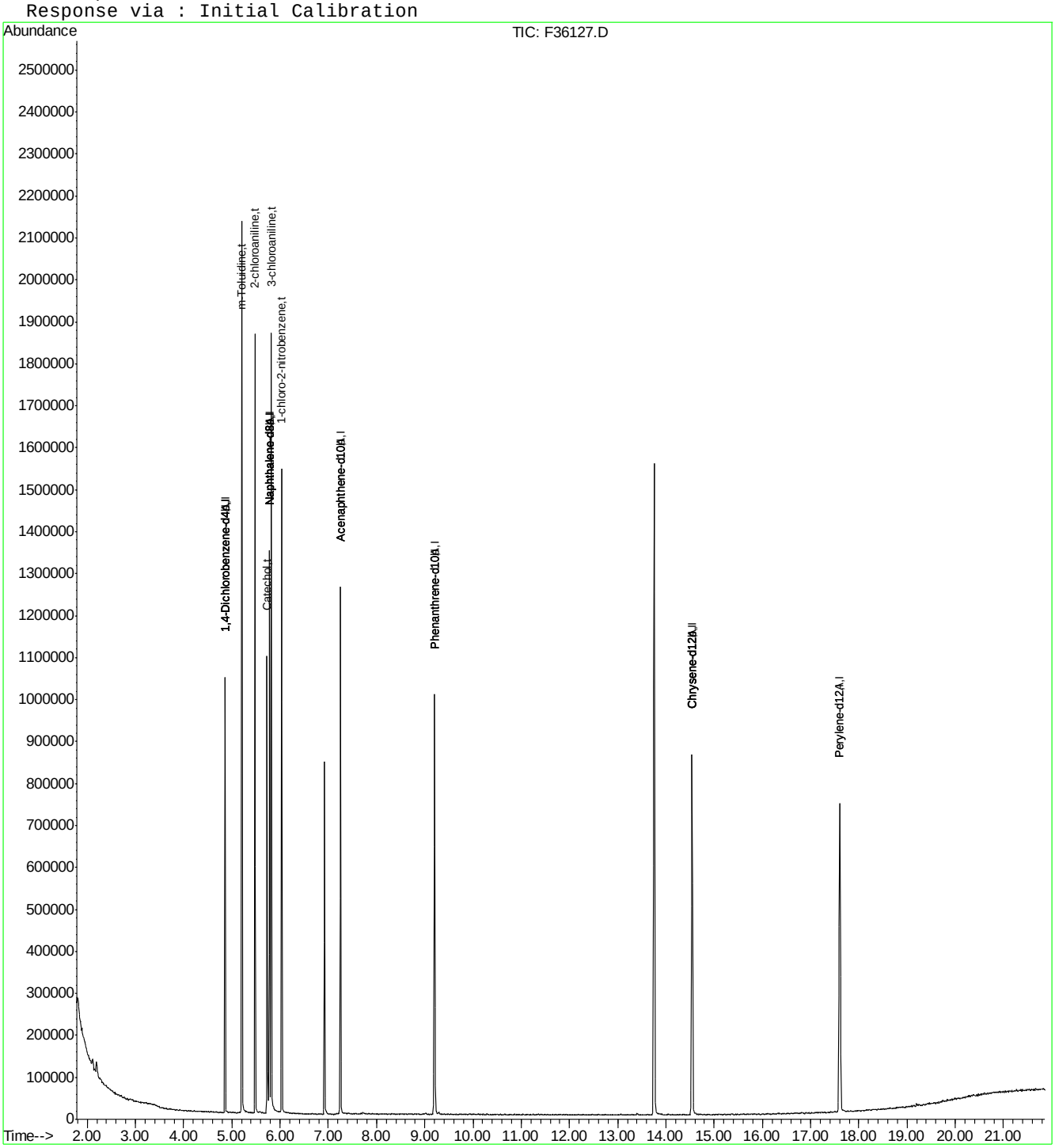
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	142591	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	516592	40.00	ppb	-0.01
47) Acenaphthene-d10	7.26	164	306745	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	501342	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	506640	40.00	ppb	-0.02
92) Perylene-d12	17.60	264	451668	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4A	4.86	152	142591	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	516592	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	306745	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	501342	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	506640	40.00	ppb	-0.01
155) Perylene-d12A	17.60	264	451668	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	142591	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	516592	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.26	164	306745	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	501342	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	506640	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	142591	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	516592	40.00	ppb	-0.01
176) Chrysene-d12c	14.54	240	506640	40.00	ppb	-0.02
178) Naphthalene-d8a	5.78	136	516592	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.21	106	551112	81.05	ppb	97
172) 2-chloroaniline	5.48	127	469498	80.89	ppb	98
173) 3-chloroaniline	5.82	127	446053	80.69	ppb	97
174) Catechol	5.73	110	368300	79.46	ppb	92
175) 1-chloro-2-nitrobenzene	6.03	75	183561	80.55	ppb	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36127.D Vial: 11
Acq On : 19 Jun 2014 12:41 am Operator: ashleyd
Sample : ic5702-80 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:30 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36128.D Vial: 12
Acq On : 19 Jun 2014 1:09 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:31:22 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

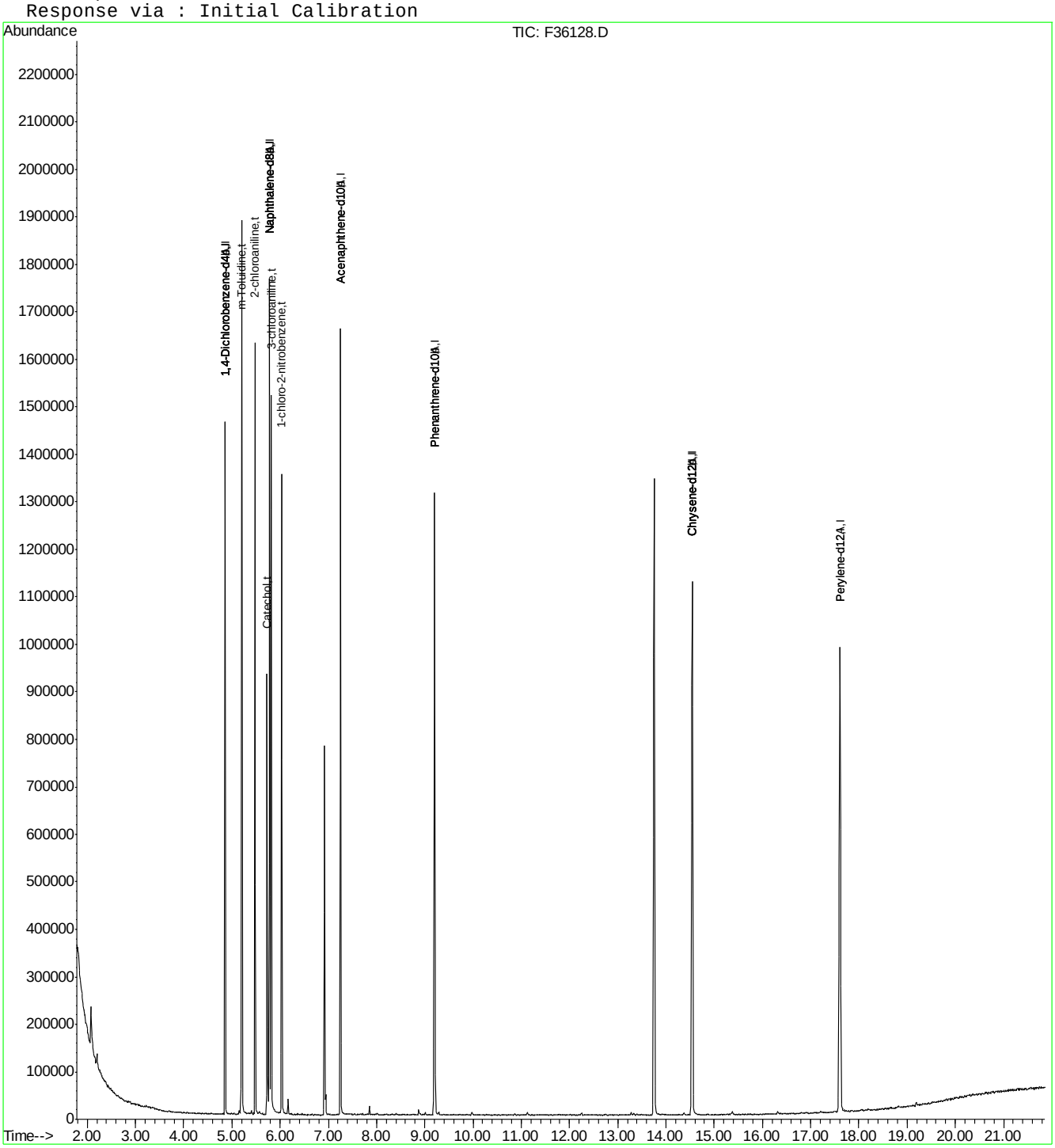
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	199189	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	692225	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	413490	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	659903	40.00	ppb	-0.02
83) Chrysene-d12	14.55	240	677913	40.00	ppb	-0.01
92) Perylene-d12	17.61	264	613918	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	199189	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	692225	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	413490	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	659903	40.00	ppb	0.00
147) Chrysene-d12A	14.55	240	677913	40.00	ppb	0.00
155) Perylene-d12A	17.61	264	613918	40.00	ppb	-0.01
159) 1,4-Dichlorobenzene-d4b	4.86	152	199189	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	692225	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	413490	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	659903	40.00	ppb	-0.02
167) Chrysene-d12b	14.55	240	677913	40.00	ppb	-0.01
169) 1,4-Dichlorobenzene-d4c	4.86	152	199189	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	692225	40.00	ppb	0.00
176) Chrysene-d12c	14.55	240	677913	40.00	ppb	-0.01
178) Naphthalene-d8a	5.79	136	692225	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	470505	49.53	ppb	98
172) 2-chloroaniline	5.48	127	416164	53.51	ppb	97
173) 3-chloroaniline	5.82	127	390347	52.70	ppb	97
174) Catechol	5.73	110	301476	48.54	ppb	97
175) 1-chloro-2-nitrobenzene	6.03	75	158442	51.89	ppb	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36128.D Vial: 12
Acq On : 19 Jun 2014 1:09 am Operator: ashleyd
Sample : ic5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:32 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36129.D Vial: 13
Acq On : 19 Jun 2014 1:38 am Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:32:48 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

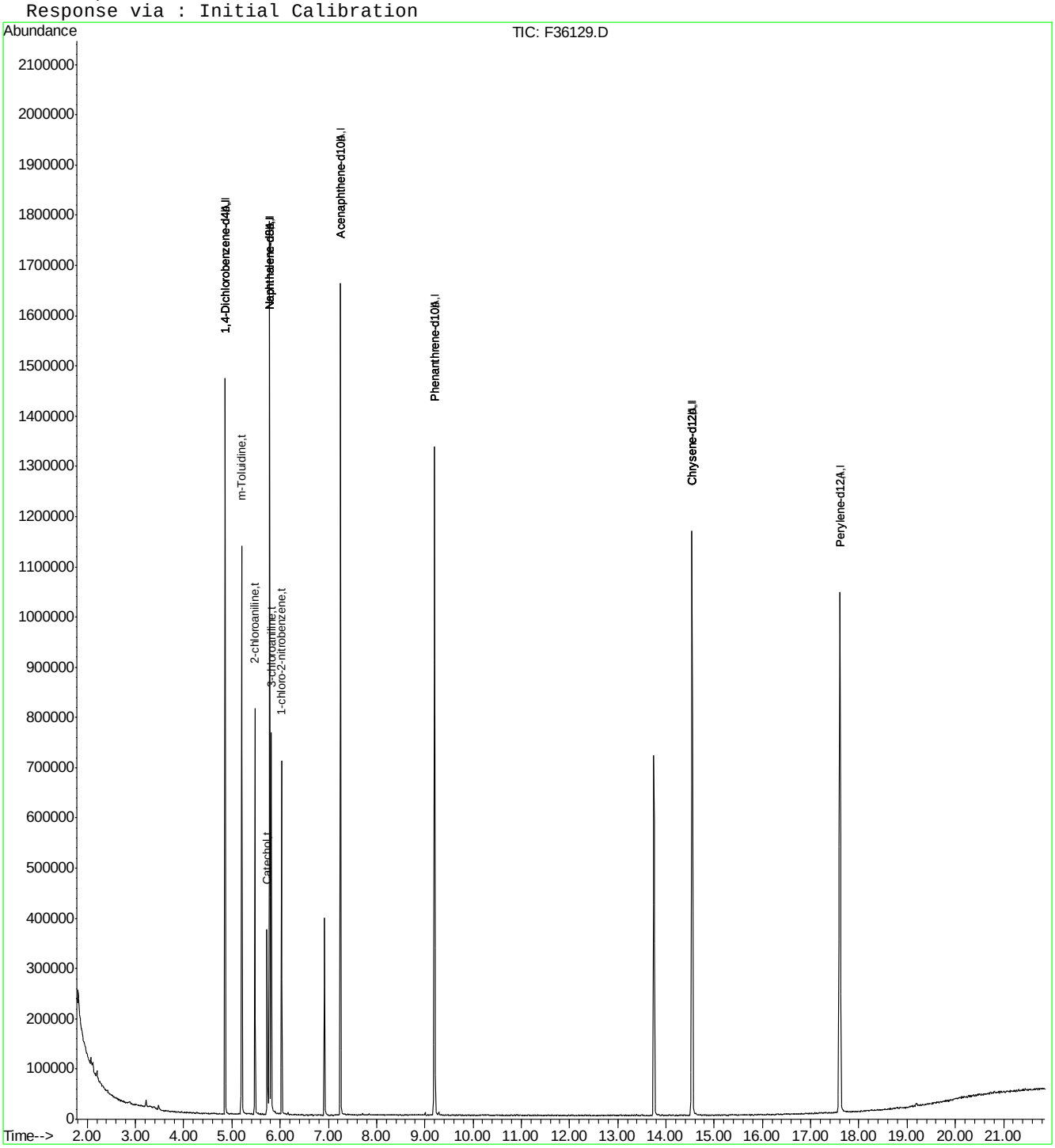
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	197242	40.00	ppb	0.00
24) Naphthalene-d8	5.79	136	702029	40.00	ppb	0.00
47) Acenaphthene-d10	7.26	164	422598	40.00	ppb	0.00
69) Phenanthrene-d10	9.21	188	677229	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	696297	40.00	ppb	-0.02
92) Perylene-d12	17.61	264	630065	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4A	4.86	152	197242	40.00	ppb	0.00
112) Naphthalene-d8A	5.79	136	702029	40.00	ppb	0.00
121) Acenaphthene-d10A	7.26	164	422598	40.00	ppb	0.00
132) Phenanthrene-d10A	9.21	188	677229	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	696297	40.00	ppb	-0.01
155) Perylene-d12A	17.61	264	630065	40.00	ppb	-0.01
159) 1,4-Dichlorobenzene-d4b	4.86	152	197242	40.00	ppb	0.00
161) Naphthalene-d8b	5.79	136	702029	40.00	ppb	0.00
163) Acenaphthene-d10b	7.26	164	422598	40.00	ppb	0.00
165) Phenanthrene-d10b	9.21	188	677229	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	696297	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	197242	40.00	ppb	0.00
171) Naphthalene-d8c	5.79	136	702029	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	696297	40.00	ppb	-0.02
178) Naphthalene-d8a	5.79	136	702029	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	251997	26.79	ppb	99
172) 2-chloroaniline	5.48	127	217266	27.55	ppb	99
173) 3-chloroaniline	5.82	127	202634	26.97	ppb	98
174) Catechol	5.73	110	141768	22.51	ppb	93
175) 1-chloro-2-nitrobenzene	6.03	75	81623	26.36	ppb	88

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36129.D Vial: 13
Acq On : 19 Jun 2014 1:38 am Operator: ashleyd
Sample : ic5702-25 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:33 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36130.D Vial: 14
Acq On : 19 Jun 2014 2:06 am Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:33:44 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

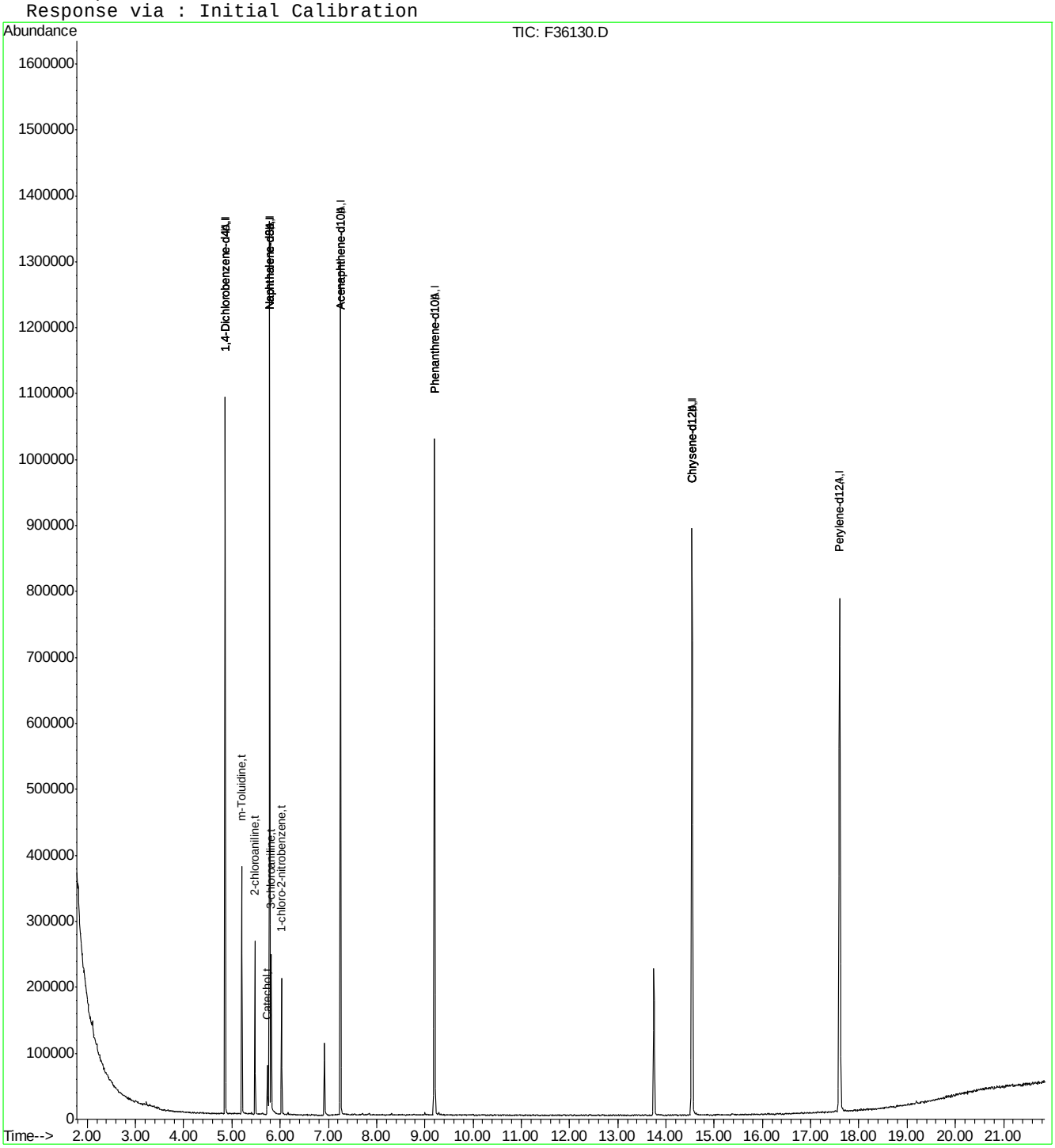
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	144871	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	525034	40.00	ppb	-0.01
47) Acenaphthene-d10	7.25	164	307118	40.00	ppb	-0.01
69) Phenanthrene-d10	9.20	188	499028	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	522936	40.00	ppb	-0.02
92) Perylene-d12	17.60	264	471762	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4A	4.86	152	144871	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	525034	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	307118	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	499028	40.00	ppb	-0.01
147) Chrysene-d12A	14.54	240	522936	40.00	ppb	-0.01
155) Perylene-d12A	17.60	264	471762	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	144871	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	525034	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.25	164	307118	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.20	188	499028	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	522936	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	144871	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	525034	40.00	ppb	-0.01
176) Chrysene-d12c	14.54	240	522936	40.00	ppb	-0.02
178) Naphthalene-d8a	5.78	136	525034	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	84378	12.21	ppb	99
172) 2-chloroaniline	5.48	127	69862	11.84	ppb	97
173) 3-chloroaniline	5.82	127	65459	11.65	ppb	99
174) Catechol	5.73	110	42516	9.03	ppb	94
175) 1-chloro-2-nitrobenzene	6.03	75	25672	11.08	ppb	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36130.D Vial: 14
Acq On : 19 Jun 2014 2:06 am Operator: ashleyd
Sample : ic5702-10 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:34 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36131.D Vial: 15
Acq On : 19 Jun 2014 2:34 am Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:34:38 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

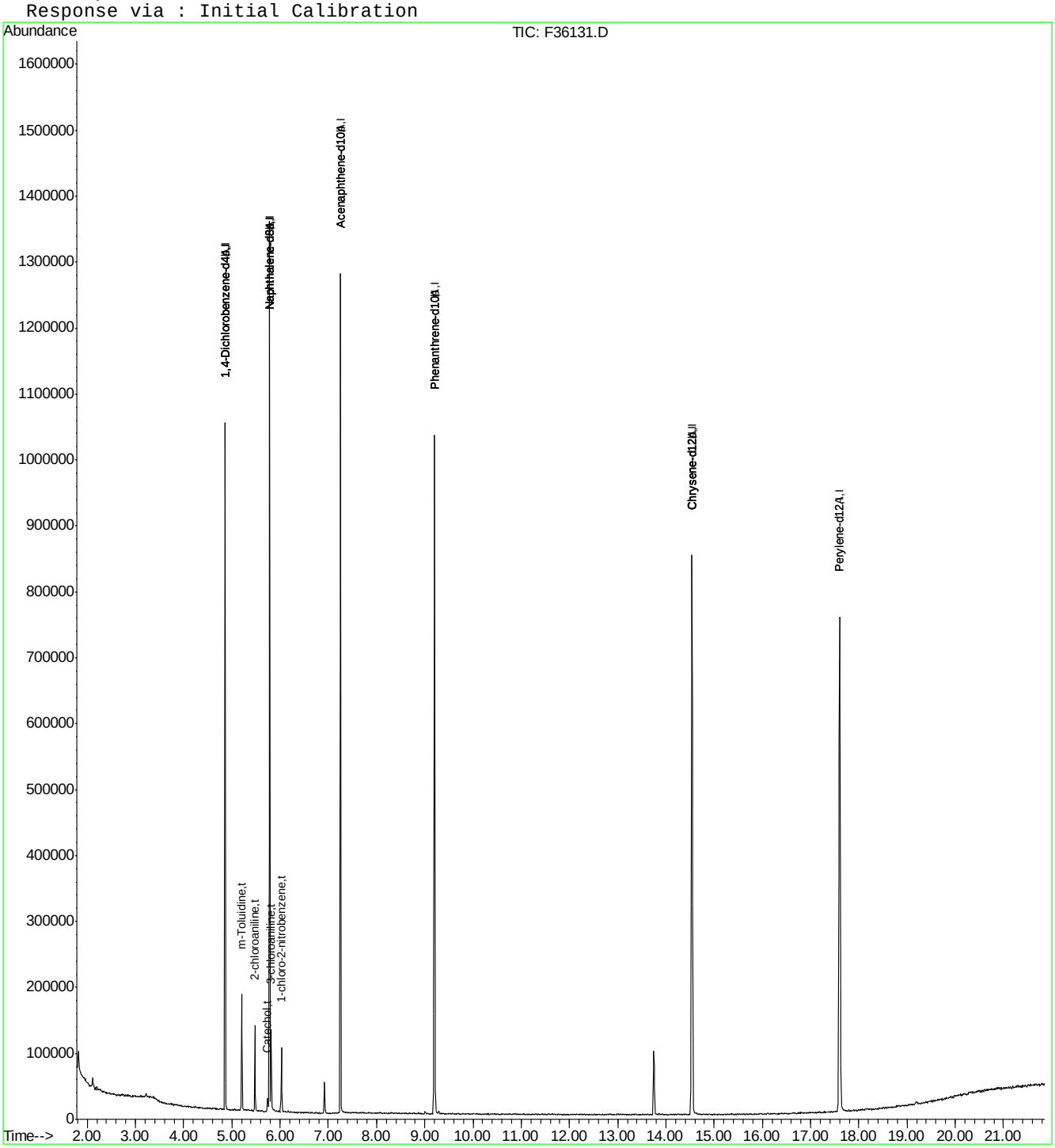
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	142808	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	518457	40.00	ppb	-0.01
47) Acenaphthene-d10	7.25	164	306218	40.00	ppb	-0.01
69) Phenanthrene-d10	9.20	188	492632	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	506934	40.00	ppb	-0.02
92) Perylene-d12	17.60	264	453675	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4A	4.86	152	142808	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	518457	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	306218	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	492632	40.00	ppb	-0.01
147) Chrysene-d12A	14.54	240	506934	40.00	ppb	-0.02
155) Perylene-d12A	17.60	264	453675	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	142808	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	518457	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.25	164	306218	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.20	188	492632	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	506934	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	142808	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	518457	40.00	ppb	-0.01
176) Chrysene-d12c	14.54	240	506934	40.00	ppb	-0.02
178) Naphthalene-d8a	5.78	136	518457	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	40989	6.02	ppb	99
172) 2-chloroaniline	5.48	127	33985	5.83	ppb	97
173) 3-chloroaniline	5.81	127	32074	5.78	ppb	96
174) Catechol	5.74	110	14462	3.11	ppb	87
175) 1-chloro-2-nitrobenzene	6.03	75	12033	5.26	ppb	90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36131.D Vial: 15
Acq On : 19 Jun 2014 2:34 am Operator: ashleyd
Sample : ic5702-5 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:35 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



F36131.D MFAP5692.M Thu Jun 19 11:59:14 2014 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36132.D Vial: 16
Acq On : 19 Jun 2014 3:03 am Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:35:31 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

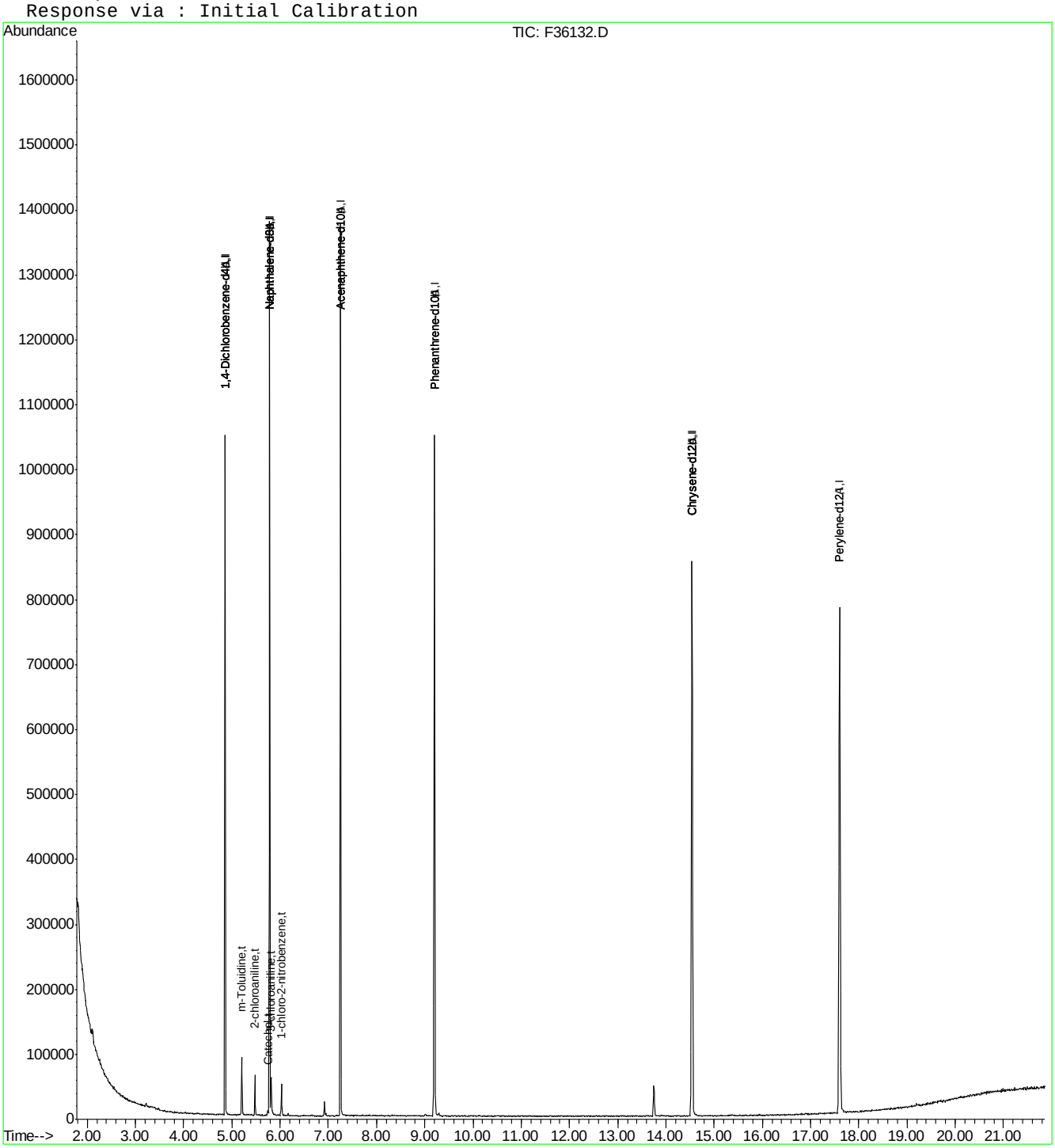
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	145552	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	529913	40.00	ppb	-0.01
47) Acenaphthene-d10	7.25	164	310363	40.00	ppb	-0.01
69) Phenanthrene-d10	9.20	188	505703	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	513246	40.00	ppb	-0.02
92) Perylene-d12	17.60	264	463012	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4A	4.86	152	145552	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	529913	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	310363	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	505703	40.00	ppb	-0.01
147) Chrysene-d12A	14.54	240	513246	40.00	ppb	-0.01
155) Perylene-d12A	17.60	264	463012	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	145552	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	529913	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.25	164	310363	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.20	188	505703	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	513246	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	145552	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	529913	40.00	ppb	-0.01
176) Chrysene-d12c	14.54	240	513246	40.00	ppb	-0.02
178) Naphthalene-d8a	5.78	136	529913	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	20592	2.97	ppb	98
172) 2-chloroaniline	5.48	127	17425	2.93	ppb	97
173) 3-chloroaniline	5.82	127	15199	2.68	ppb	96
174) Catechol	5.74	110	7236	1.52	ppb	97
175) 1-chloro-2-nitrobenzene	6.03	75	6138	2.63	ppb	87

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36132.D Vial: 16
Acq On : 19 Jun 2014 3:03 am Operator: ashleyd
Sample : ic5702-2 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:36 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



F36132.D MFAP5692.M Thu Jun 19 11:59:18 2014 RT1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36133.D Vial: 17
Acq On : 19 Jun 2014 3:31 am Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:36:14 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:29:00 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	135724	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	496612	40.00	ppb	-0.01
47) Acenaphthene-d10	7.25	164	291199	40.00	ppb	-0.01
69) Phenanthrene-d10	9.20	188	468225	40.00	ppb	-0.02
83) Chrysene-d12	14.54	240	475428	40.00	ppb	-0.02
92) Perylene-d12	17.60	264	427033	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4A	4.86	152	135724	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	496612	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	291199	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	468225	40.00	ppb	-0.01
147) Chrysene-d12A	14.54	240	475428	40.00	ppb	-0.02
155) Perylene-d12A	17.60	264	427033	40.00	ppb	-0.02
159) 1,4-Dichlorobenzene-d4b	4.86	152	135724	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	496612	40.00	ppb	-0.01
163) Acenaphthene-d10b	7.25	164	291199	40.00	ppb	-0.01
165) Phenanthrene-d10b	9.20	188	468225	40.00	ppb	-0.02
167) Chrysene-d12b	14.54	240	475428	40.00	ppb	-0.02
169) 1,4-Dichlorobenzene-d4c	4.86	152	135724	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	496612	40.00	ppb	-0.01
176) Chrysene-d12c	14.54	240	475428	40.00	ppb	-0.02
178) Naphthalene-d8a	5.78	136	496612	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	7829	1.21	ppb	98
172) 2-chloroaniline	5.48	127	6991	1.25	ppb	96
173) 3-chloroaniline	5.82	127	5881	1.11	ppb	97
175) 1-chloro-2-nitrobenzene	6.03	75	2070	0.94	ppb	83

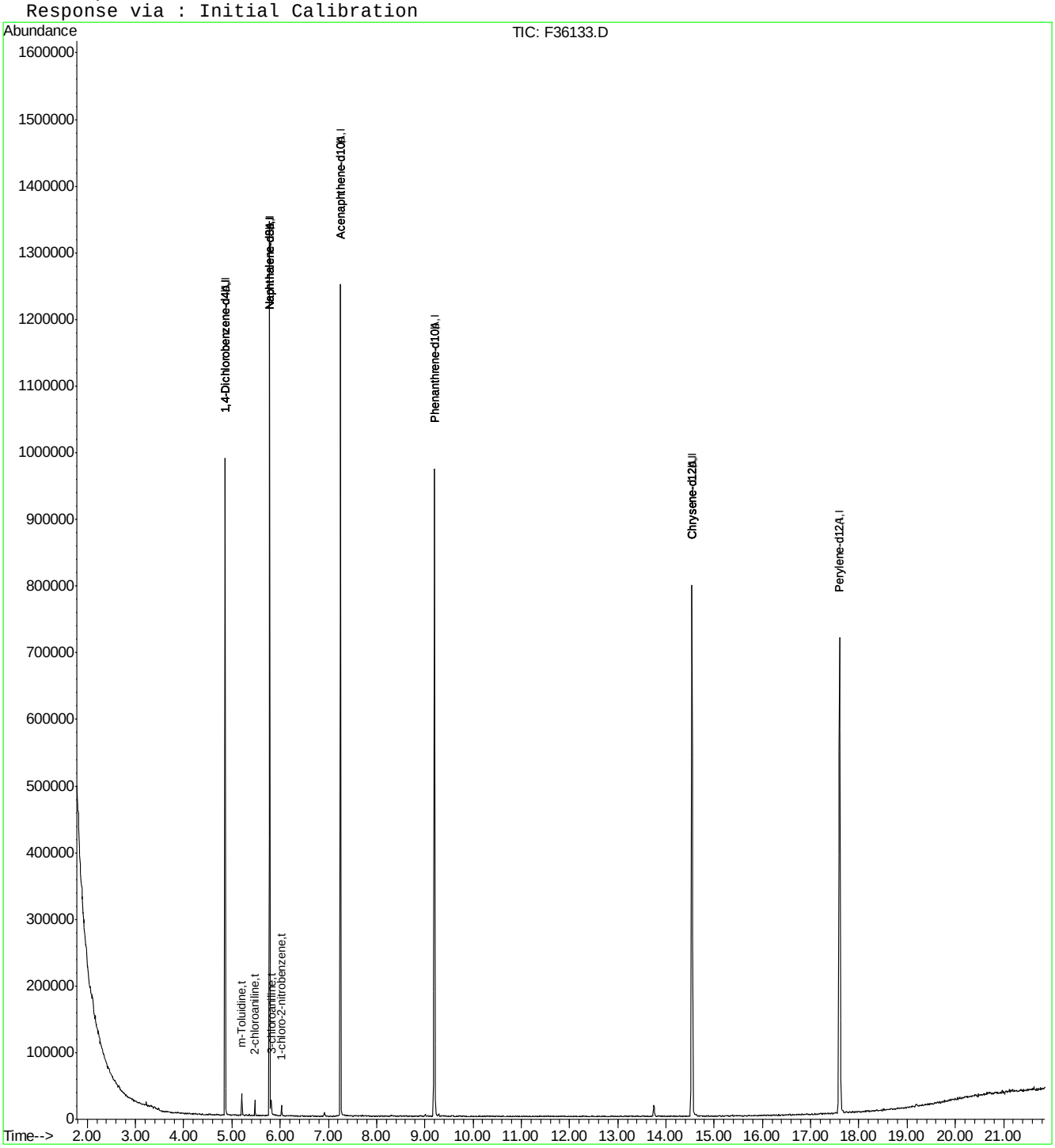
(#) = qualifier out of range (m) = manual integration (+) = signals summed
F36133.D MFAP5692.M Thu Jun 19 11:59:22 2014 RT1

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36133.D Vial: 17
Acq On : 19 Jun 2014 3:31 am Operator: ashleyd
Sample : ic5702-1 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 11:36 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 11:57:38 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36134.D Vial: 18
Acq On : 19 Jun 2014 3:59 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 12:03:23 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	164227	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	577709	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	331284	40.00	ppb	0.00
69) Phenanthrene-d10	9.20	188	504294	40.00	ppb	0.00
83) Chrysene-d12	14.54	240	442478	40.00	ppb	0.00
92) Perylene-d12	17.60	264	419513	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.86	152	164227	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	577709	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	331284	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	504294	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	442478	40.00	ppb	0.00
155) Perylene-d12A	17.60	264	419513	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.86	152	164227	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	577709	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	331284	40.00	ppb	0.00
165) Phenanthrene-d10b	9.20	188	504294	40.00	ppb	0.00
167) Chrysene-d12b	14.54	240	442478	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	164227	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	577709	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	442478	40.00	ppb	0.00
178) Naphthalene-d8a	5.78	136	577709	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.41	93	305799	47.27	ppb	99
104) Pentachloroethane	4.65	167	96881	41.26	ppb	99
105) Methyl methanesulfonate	3.75	80	121751	40.30	ppb	99
106) N-Nitrosodiethylamine	4.06	102	133831	46.97	ppb	98
107) N-Nitrosomethylethylamine	3.50	42	116769	43.42	ppb	94
108) Ethyl methanesulfonate	4.29	79	197733	45.91	ppb	99
109) N-Nitrosopyrrolidine	5.13	41	90526	41.81	ppb	98
110) N-Nitrosomorpholine	5.16	56	129730	40.91	ppb	99
114) N-Nitrosopiperidine	5.38	42	143142	47.01	ppb	97
115) A,A-Dimethylphenethylamine	5.67	58	563187	48.43	ppb	100
116) Hexachloropropene	5.87	213	155971	47.79	ppb	100
118) N-Nitrosodi-n-butylamine	6.07	84	209775	59.94	ppb	89
119) Safrole	6.24	162	201059	51.61	ppb	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36134.D Vial: 18
Acq On : 19 Jun 2014 3:59 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 12:03:23 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

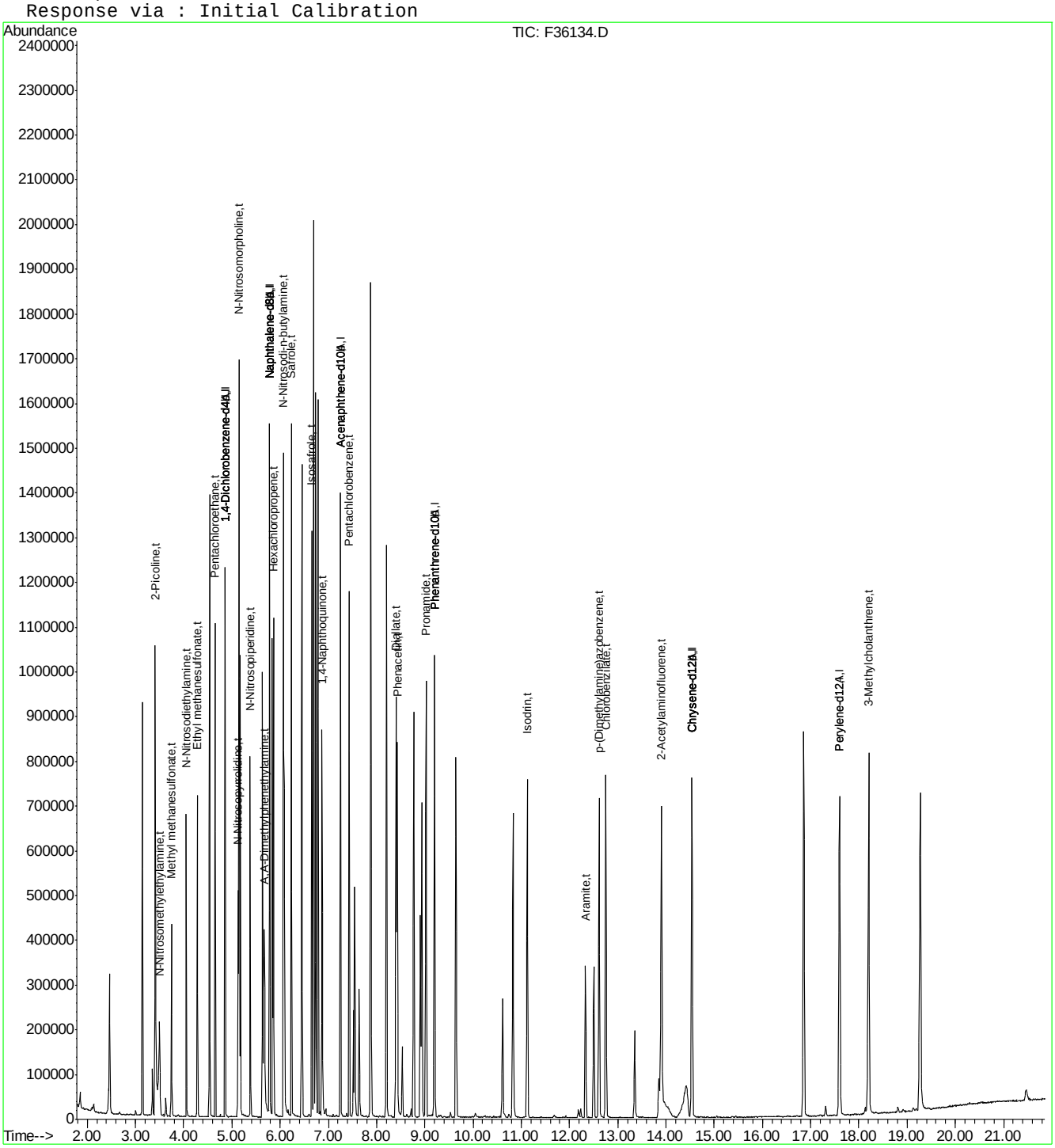
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
120) Isosafrole	6.66	162	202984	78.04	ppb	98
125) Phenacetin	8.43	108	230655	43.42	ppb	99
126) 1,4-Naphthoquinone	6.87	158	134216	42.68	ppb	96
128) Pentachlorobenzene	7.43	250	186653	49.91	ppb	99
140) Isodrin	11.12	193	81516	50.63	ppb	97
141) Diallate	8.40	86	196176	49.58	ppb	97
143) Pronamide	9.02	173	214946	48.26	ppb	98
148) Aramite	12.33	185	40462	108.81	ppb	99
149) p-(Dimethylamine)azobenzen	12.61	120	207577	50.29	ppb	99
152) 2-Acetylaminofluorene	13.91	181	285407	50.19	ppb	97
154) Chlorobenzilate	12.75	251	188679	49.99	ppb	98
157) 3-Methylcholanthrene	18.21	268	317114	51.37	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36134.D Vial: 18
Acq On : 19 Jun 2014 3:59 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 12:17 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36136.D Vial: 20
Acq On : 19 Jun 2014 4:56 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 12:18:50 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

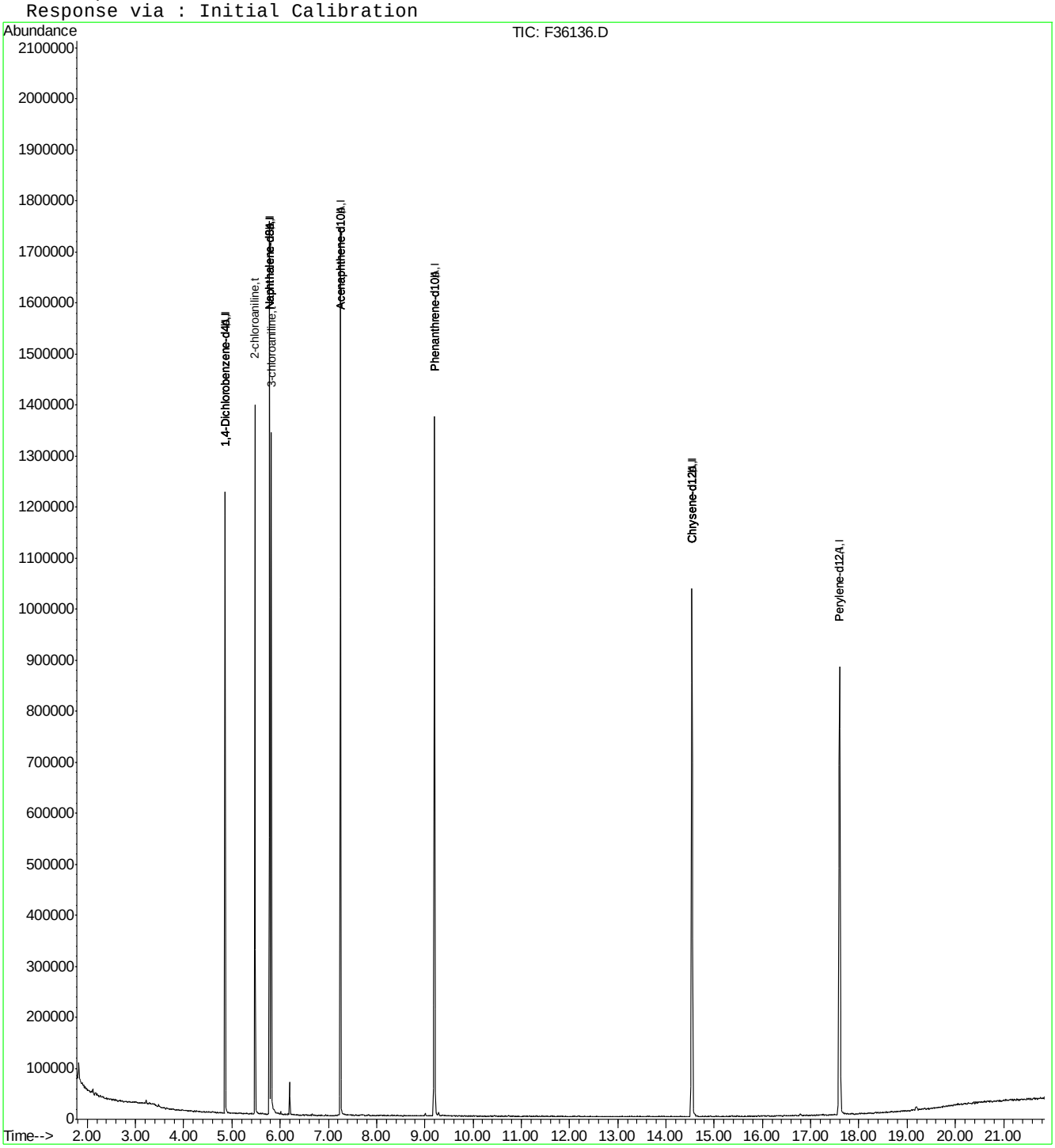
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	173652	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	667205	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	407748	40.00	ppb	0.00
69) Phenanthrene-d10	9.20	188	667472	40.00	ppb	0.00
83) Chrysene-d12	14.54	240	609387	40.00	ppb	0.00
92) Perylene-d12	17.60	264	542302	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.86	152	173652	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	667205	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	407748	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	667472	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	609387	40.00	ppb	0.00
155) Perylene-d12A	17.60	264	542302	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.86	152	173652	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	667205	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	407748	40.00	ppb	0.00
165) Phenanthrene-d10b	9.20	188	667472	40.00	ppb	0.00
167) Chrysene-d12b	14.54	240	609387	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	173652	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	667205	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	609387	40.00	ppb	0.00
178) Naphthalene-d8a	5.78	136	667205	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
172) 2-chloroaniline	5.48	127	380304	44.40	ppb	98
173) 3-chloroaniline	5.82	127	372287	48.41	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F36136.D MFAP5692.M Tue Jun 24 11:45:48 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36136.D Vial: 20
Acq On : 19 Jun 2014 4:56 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 19 12:19 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36137.D Vial: 21
Acq On : 19 Jun 2014 5:24 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 24 11:59:34 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:50:07 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

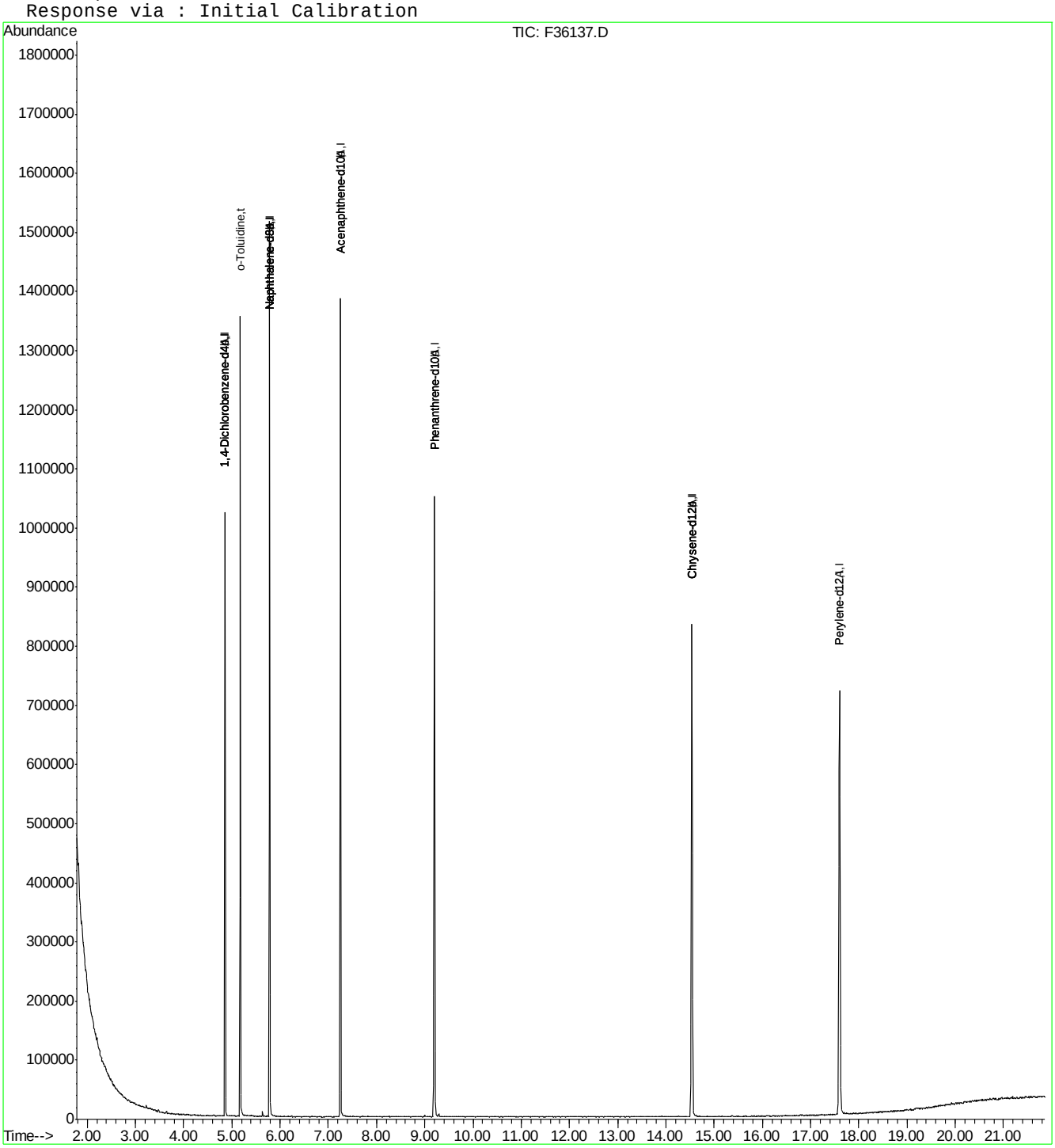
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	145888	40.00	ppb	0.04
24) Naphthalene-d8	5.78	136	538325	40.00	ppb	0.04
47) Acenaphthene-d10	7.25	164	317502	40.00	ppb	0.05
69) Phenanthrene-d10	9.20	188	509855	40.00	ppb	0.07
83) Chrysene-d12	14.54	240	480370	40.00	ppb	0.09
92) Perylene-d12	17.60	264	432182	40.00	ppb	0.09
102) 1,4-Dichlorobenzene-d4A	4.86	152	145888	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	538325	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	317502	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	509855	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	480370	40.00	ppb	0.00
155) Perylene-d12A	17.60	264	432182	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.86	152	145888	40.00	ppb	0.04
161) Naphthalene-d8b	5.78	136	538325	40.00	ppb	0.04
163) Acenaphthene-d10b	7.25	164	317502	40.00	ppb	0.05
165) Phenanthrene-d10b	9.20	188	509855	40.00	ppb	0.07
167) Chrysene-d12b	14.54	240	480370	40.00	ppb	0.09
169) 1,4-Dichlorobenzene-d4c	4.86	152	145888	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	538325	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	480370	40.00	ppb	0.00
178) Naphthalene-d8a	5.78	136	538325	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
111) o-Toluidine	5.17	106	368751	49.12	ppb	# 7

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36137.D Vial: 21
Acq On : 19 Jun 2014 5:24 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 24 12:00 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:50:07 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36138.D Vial: 22
Acq On : 19 Jun 2014 5:53 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 20 12:41:21 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

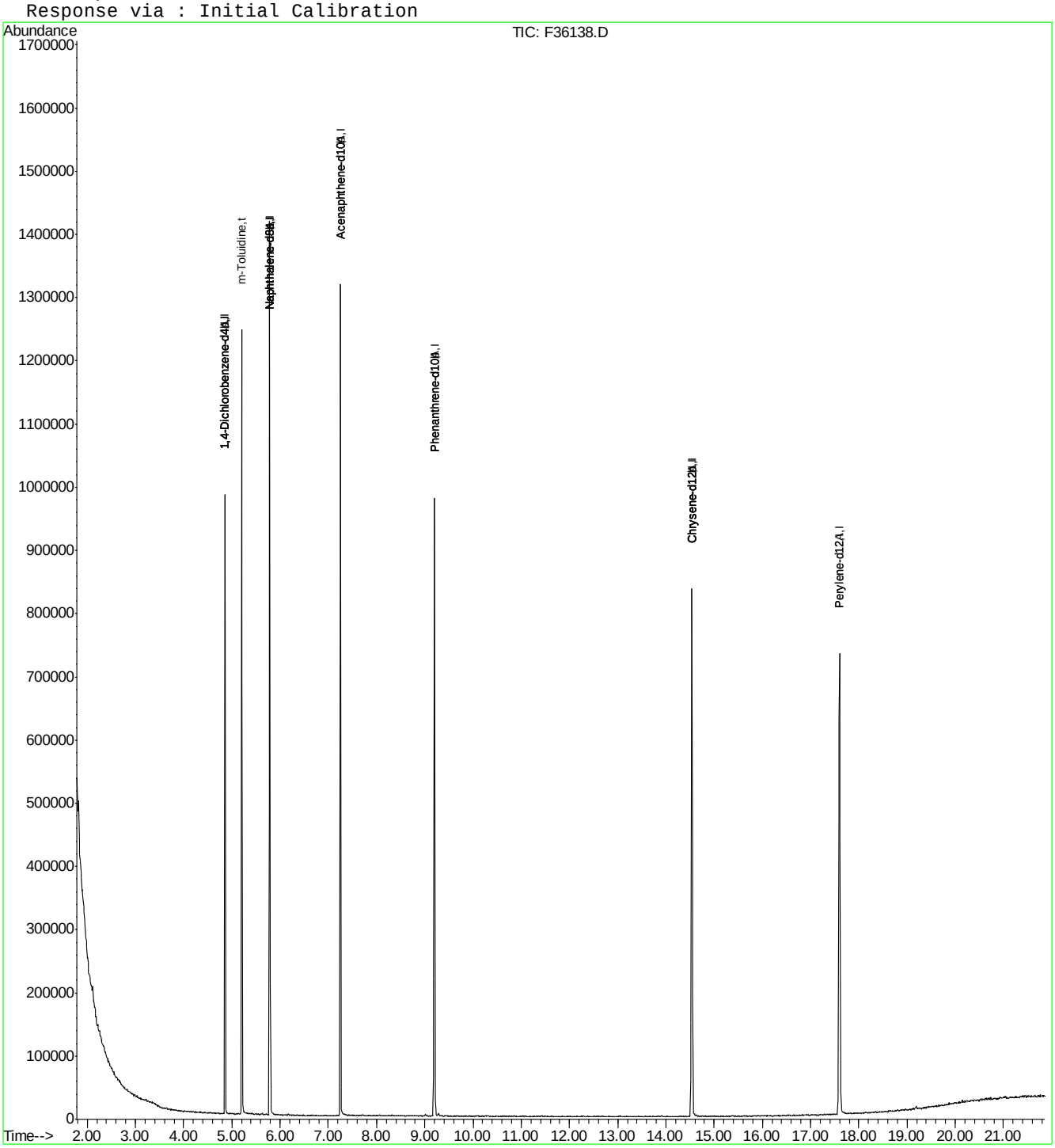
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	141440	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	516038	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	303438	40.00	ppb	0.00
69) Phenanthrene-d10	9.20	188	482814	40.00	ppb	0.00
83) Chrysene-d12	14.54	240	472605	40.00	ppb	0.00
92) Perylene-d12	17.60	264	422755	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.86	152	141440	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	516038	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	303438	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	482814	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	472605	40.00	ppb	0.00
155) Perylene-d12A	17.60	264	422755	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.86	152	141440	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	516038	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	303438	40.00	ppb	0.00
165) Phenanthrene-d10b	9.20	188	482814	40.00	ppb	0.00
167) Chrysene-d12b	14.54	240	472605	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	141440	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	516038	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	472605	40.00	ppb	0.00
178) Naphthalene-d8a	5.78	136	516038	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
170) m-Toluidine	5.20	106	277732	38.01	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36138.D Vial: 22
Acq On : 19 Jun 2014 5:53 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 20 12:45 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36139.D Vial: 23
Acq On : 19 Jun 2014 6:21 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 20 12:46:11 2014 Quant Results File: MFAP5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 19 12:03:18 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

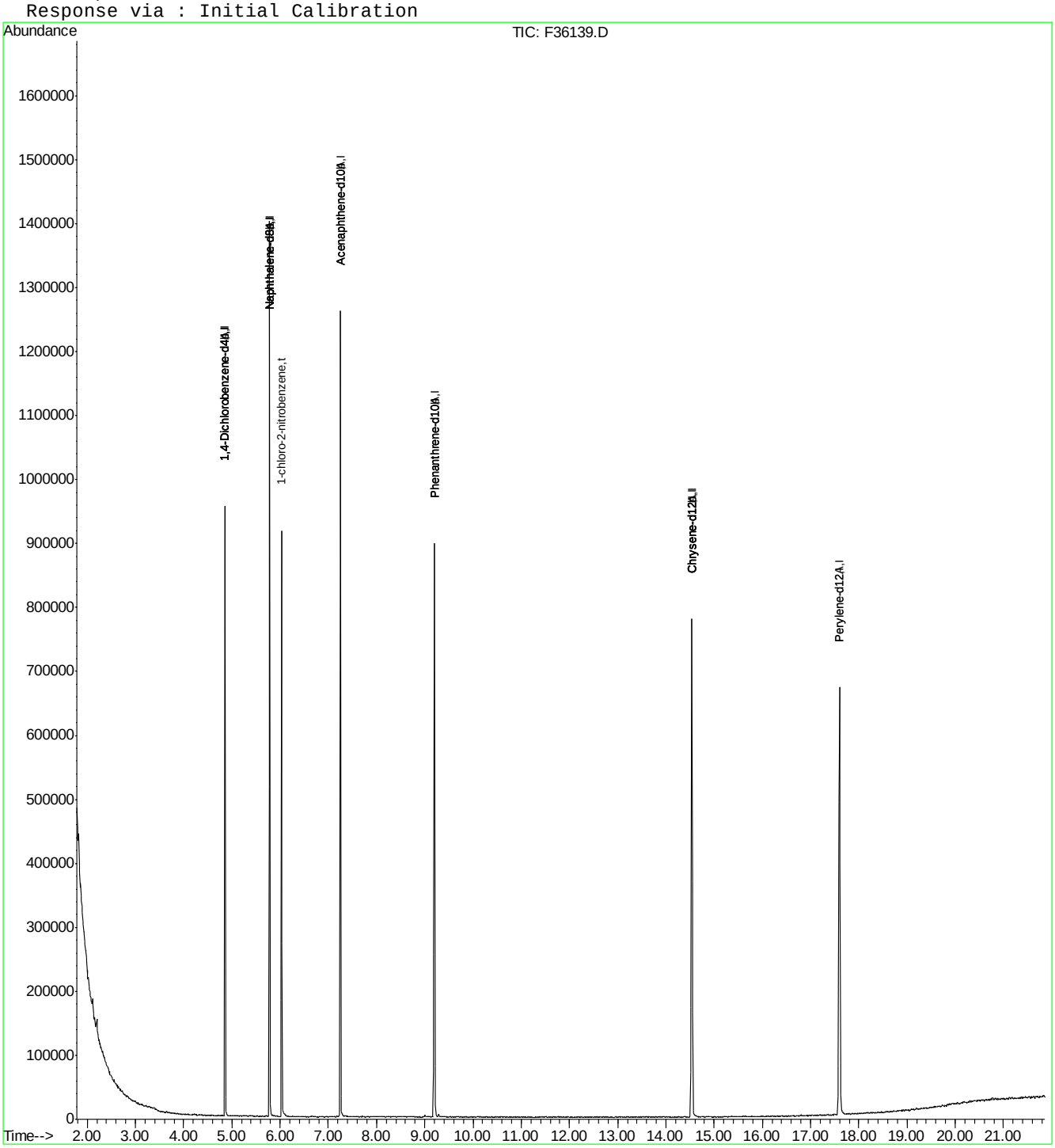
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	130724	40.00	ppb	0.00
24) Naphthalene-d8	5.78	136	486879	40.00	ppb	0.00
47) Acenaphthene-d10	7.25	164	284211	40.00	ppb	0.00
69) Phenanthrene-d10	9.20	188	454119	40.00	ppb	0.00
83) Chrysene-d12	14.54	240	458943	40.00	ppb	0.00
92) Perylene-d12	17.60	264	407316	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	4.86	152	130724	40.00	ppb	0.00
112) Naphthalene-d8A	5.78	136	486879	40.00	ppb	0.00
121) Acenaphthene-d10A	7.25	164	284211	40.00	ppb	0.00
132) Phenanthrene-d10A	9.20	188	454119	40.00	ppb	0.00
147) Chrysene-d12A	14.54	240	458943	40.00	ppb	0.00
155) Perylene-d12A	17.60	264	407316	40.00	ppb	0.00
159) 1,4-Dichlorobenzene-d4b	4.86	152	130724	40.00	ppb	0.00
161) Naphthalene-d8b	5.78	136	486879	40.00	ppb	0.00
163) Acenaphthene-d10b	7.25	164	284211	40.00	ppb	0.00
165) Phenanthrene-d10b	9.20	188	454119	40.00	ppb	0.00
167) Chrysene-d12b	14.54	240	458943	40.00	ppb	0.00
169) 1,4-Dichlorobenzene-d4c	4.86	152	130724	40.00	ppb	0.00
171) Naphthalene-d8c	5.78	136	486879	40.00	ppb	0.00
176) Chrysene-d12c	14.54	240	458943	40.00	ppb	0.00
178) Naphthalene-d8a	5.78	136	486879	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
175) 1-chloro-2-nitrobenzene	6.03	75	118287	50.91	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
F36139.D MFAP5692.M Tue Jun 24 11:46:13 2014 RT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5702\F36139.D Vial: 23
Acq On : 19 Jun 2014 6:21 am Operator: ashleyd
Sample : icv5702-50 Inst : MSF
Misc : op74333,ef5702 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 20 12:47 2014 Quant Results File: MFAP5692.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 08:08:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36368.D Vial: 2
Acq On : 25 Jun 2014 4:58 pm Operator: saraw
Sample : cc5692-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 25 17:20:11 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	151638	40.00	ppb		-0.04
24) Naphthalene-d8	5.68	136	560331	40.00	ppb		-0.04
47) Acenaphthene-d10	7.12	164	325605	40.00	ppb		-0.06
69) Phenanthrene-d10	9.02	188	510438	40.00	ppb		-0.08
83) Chrysene-d12	14.32	240	466346	40.00	ppb		-0.09
92) Perylene-d12	17.37	264	377653	40.00	ppb		-0.09
102) 1,4-Dichlorobenzene-d4b	4.76	152	151638	40.00	ppb		-0.04
104) Naphthalene-d8b	5.68	136	560331	40.00	ppb		-0.04
106) Acenaphthene-d10b	7.12	164	325605	40.00	ppb		-0.06
108) Phenanthrene-d10b	9.02	188	510438	40.00	ppb		0.12
110) Chrysene-d12b	14.32	240	466346	40.00	ppb		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	3.80	112	124900	22.83	ppb		-0.04
Spiked Amount 50.000			Recovery = 45.66%				
8) Phenol-d5	4.51	99	162272	23.68	ppb		-0.03
Spiked Amount 50.000			Recovery = 47.36%				
25) Nitrobenzene-d5	5.16	82	137556	23.27	ppb		-0.04
Spiked Amount 50.000			Recovery = 46.54%				
51) 2-Fluorobiphenyl	6.49	172	242835	21.41	ppb		-0.05
Spiked Amount 50.000			Recovery = 42.82%				
73) 2,4,6-Tribromophenol	8.02	330	27247	23.77	ppb		-0.06
Spiked Amount 50.000			Recovery = 47.54%				
85) Terphenyl-d14	12.08	244	236406	22.30	ppb		-0.09
Spiked Amount 50.000			Recovery = 44.60%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.34	88	56265	20.78	ppb		93
3) Pyridine	2.67	79	142434	22.30	ppb		92
4) N-Nitrosodimethylamine	2.63	42	67262	24.65	ppb		83
6) Indene	4.95	116	227925	23.05	ppb		96
7) Cumene	4.17	105	320517	23.53	ppb		97
9) Phenol	4.52	94	179321	23.85	ppb	#	20
10) Aniline	4.52	93	204634	22.22	ppb		56
11) bis(2-Chloroethyl)ether	4.56	93	124918	23.41	ppb		98
12) 2-Chlorophenol	4.62	128	137774	23.16	ppb		94
13) Decane	4.64	43	159179	25.99	ppb		92
14) 1,3-Dichlorobenzene	4.72	146	144819	22.09	ppb		99
15) 1,4-Dichlorobenzene	4.77	146	145689	22.39	ppb		99
16) Benzyl alcohol	4.86	108	91580	23.12	ppb		86
17) 1,2-Dichlorobenzene	4.89	146	135263	22.08	ppb		97
18) Acetophenone	5.05	105	182520	23.46	ppb		98
19) 2-Methylphenol	4.95	108	122544	22.77	ppb		98
20) 2,2'-oxybis(1-Chloropropan	4.96	121	41177	22.79	ppb	#	50
21) 3&4-Methylphenol	5.06	108	131004	23.69	ppb		96
22) n-Nitroso-di-n-propylamine	5.05	70	95039	25.25	ppb		85
23) Hexachloroethane	5.13	201	46348	22.59	ppb		92
26) Nitrobenzene	5.18	77	143613	23.85	ppb		91
27) Quinoline	5.94	129	260875	22.02	ppb		98
28) Isophorone	5.35	82	246117	23.54	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36368.D Vial: 2
Acq On : 25 Jun 2014 4:58 pm Operator: saraw
Sample : cc5692-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 25 17:20:11 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	5.41	139	70781	24.57	ppb		91
30)	2,4-Dimethylphenol	5.44	107	127534	23.32	ppb		98
31)	Benzoic acid	5.51	105	93986	28.80	ppb		96
32)	bis(2-Chloroethoxy)methane	5.50	93	142191	23.13	ppb		97
33)	2,4-Dichlorophenol	5.59	162	101931	22.93	ppb		97
34)	2,6-Dichlorophenol	5.74	162	99050	23.68	ppb		100
35)	1,3,5-Trichlorobenzene	5.42	180	114150	21.45	ppb		99
36)	1,2,4-Trichlorobenzene	5.64	180	107662	21.13	ppb		98
37)	1,2,3-Trichlorobenzene	5.80	180	107126	21.62	ppb		99
38)	Naphthalene	5.70	128	370521	22.14	ppb		99
39)	4-Chloroaniline	5.73	127	160040	22.23	ppb		99
40)	2,3-Dichloroaniline	6.43	161	123412	21.66	ppb		98
41)	Caprolactam	5.99	55	68594	25.98	ppb		93
42)	Hexachlorobutadiene	5.79	225	55285	21.39	ppb		96
43)	4-Chloro-3-methylphenol	6.09	107	111101	23.93	ppb		92
44)	2-Methylnaphthalene	6.20	141	212750	21.82	ppb		96
45)	1-Methylnaphthalene	6.28	142	244505	21.75	ppb		98
46)	Dimethylnaphthalene	6.72	156	217718	21.75	ppb		98
48)	Hexachlorocyclopentadiene	6.33	237	116871	48.91	ppb		99
49)	2,4,6-Trichlorophenol	6.43	196	68125	22.32	ppb		98
50)	2,4,5-Trichlorophenol	6.47	196	75004	23.80	ppb		99
52)	2-Chloronaphthalene	6.60	162	220449	21.27	ppb		96
53)	Biphenyl	6.58	154	294629	21.19	ppb		99
54)	2-Nitroaniline	6.68	65	75761	26.45	ppb		88
55)	Dimethylphthalate	6.84	163	238122	22.26	ppb		99
56)	Acenaphthylene	6.98	152	366978	22.19	ppb		99
57)	2,6-Dinitrotoluene	6.90	165	56460	23.70	ppb		99
58)	3-Nitroaniline	7.07	138	66875	23.05	ppb		99
59)	Acenaphthene	7.15	153	225526	21.54	ppb		97
60)	2,4-Dinitrophenol	7.18	184	56513	46.44	ppb	#	50
61)	4-Nitrophenol	7.26	109	33885	25.11	ppb	#	84
62)	Dibenzofuran	7.33	168	303543	20.96	ppb		98
63)	2,4-Dinitrotoluene	7.31	165	75268	23.88	ppb		95
64)	2,3,4,6-Tetrachlorophenol	7.47	232	55070	22.71	ppb		95
65)	Diethylphthalate	7.57	149	247085	23.27	ppb		98
66)	Fluorene	7.72	166	247998	21.53	ppb		97
67)	4-Chlorophenyl-phenylether	7.71	204	110117	21.51	ppb		90
68)	4-Nitroaniline	7.74	138	67116	22.96	ppb		91
70)	4,6-Dinitro-2-methylphenol	7.78	198	37556	21.74	ppb		96
71)	n-Nitrosodiphenylamine	7.86	169	169607	23.09	ppb		99
72)	1,2-Diphenylhydrazine	7.91	77	273351	24.00	ppb		95
74)	4-Bromophenyl-phenylether	8.36	248	60811	22.06	ppb		97
75)	Hexachlorobenzene	8.45	284	63794	20.88	ppb		93
76)	Pentachlorophenol	8.75	266	74944	45.38	ppb		99
77)	Phenanthrene	9.06	178	341708	21.62	ppb		99
78)	Anthracene	9.14	178	348682	22.25	ppb		98
79)	Carbazole	9.42	167	326516	21.75	ppb		99
80)	Di-n-butylphthalate	10.11	149	415951	25.83	ppb		100
81)	Fluoranthene	11.21	202	354388	22.10	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36368.D Vial: 2
Acq On : 25 Jun 2014 4:58 pm Operator: saraw
Sample : cc5692-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 25 17:20:11 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

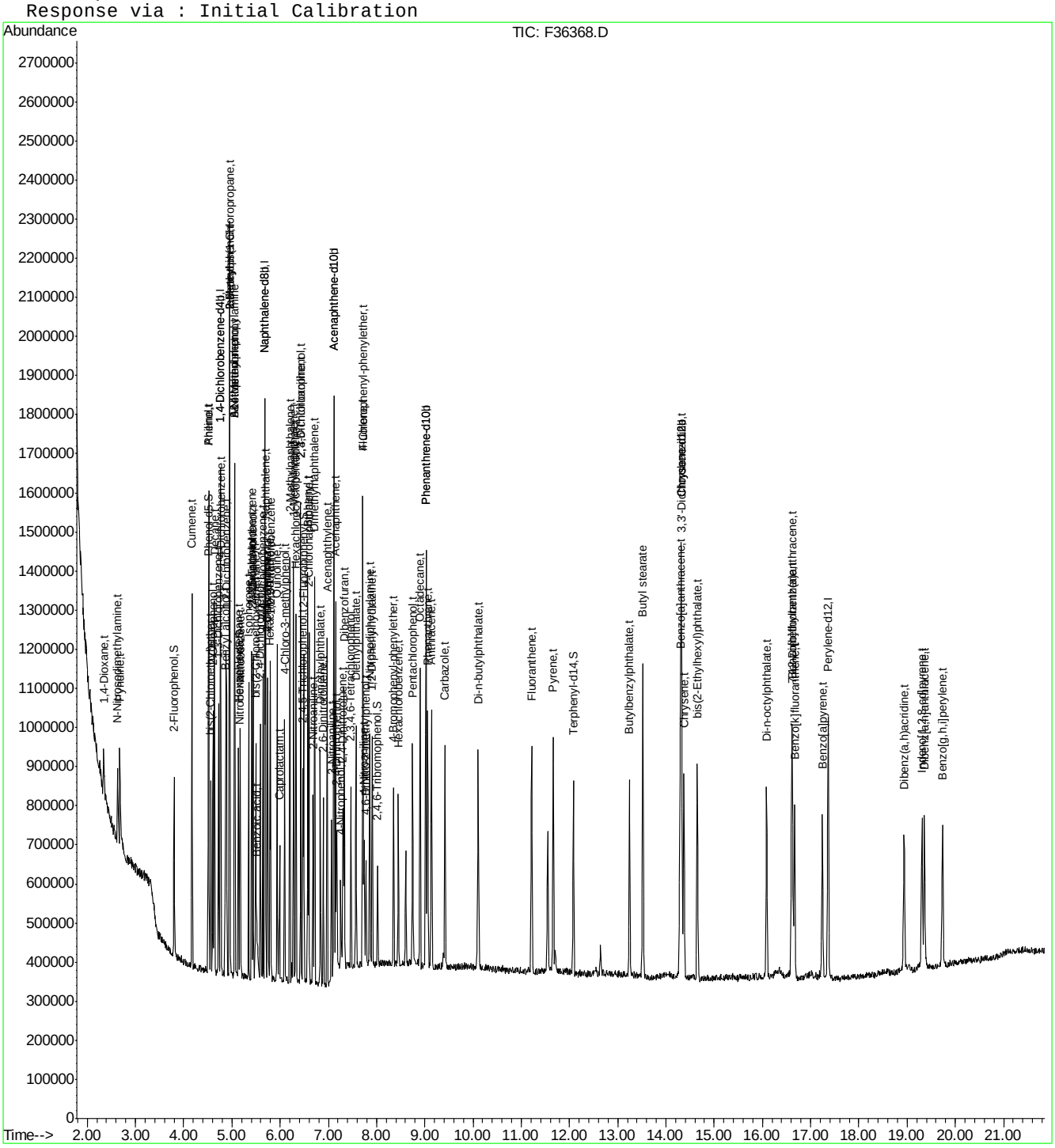
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Octadecane	8.90	57	191836	26.40	ppb	94
84)	Pyrene	11.66	202	370056	22.21	ppb	98
86)	Butylbenzylphthalate	13.24	149	179468	26.76	ppb	97
87)	Butyl stearate	13.52	56	194750	41.75	ppb	96
88)	Benzo[a]anthracene	14.30	228	305479	20.63	ppb	100
89)	3,3'-Dichlorobenzidine	14.33	252	108512	22.89	ppb	98
90)	Chrysene	14.37	228	282851	19.89	ppb	99
91)	bis(2-Ethylhexyl)phthalate	14.65	149	249400	28.06	ppb	97
93)	Di-n-octylphthalate	16.09	149	407734	27.77	ppb	98
94)	Benzo[b]fluoranthene	16.61	252	290299	19.72	ppb	99
95)	Benzo[k]fluoranthene	16.67	252	277599	19.16	ppb	98
96)	Benzo[a]pyrene	17.25	252	255216	20.52	ppb	97
97)	Indeno[1,2,3-cd]pyrene	19.31	276	237749	21.54	ppb	99
98)	Dibenz(a,h)acridine	18.94	279	214102	21.54	ppb	100
99)	Dibenz[a,h]anthracene	19.36	278	230998	20.32	ppb	98
100)	7,12-Dimethylbenz(a)anthra	16.63	256	138211	20.68	ppb	98
101)	Benzo[g,h,i]perylene	19.73	276	232698	19.80	ppb	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36368.D Vial: 2
Acq On : 25 Jun 2014 4:58 pm Operator: saraw
Sample : cc5692-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 25 17:26 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jun 24 11:30:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36369.D Vial: 3
Acq On : 25 Jun 2014 5:33 pm Operator: saraw
Sample : cc5693-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 07:53:32 2014 Quant Results File: MF5692.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:53:27 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

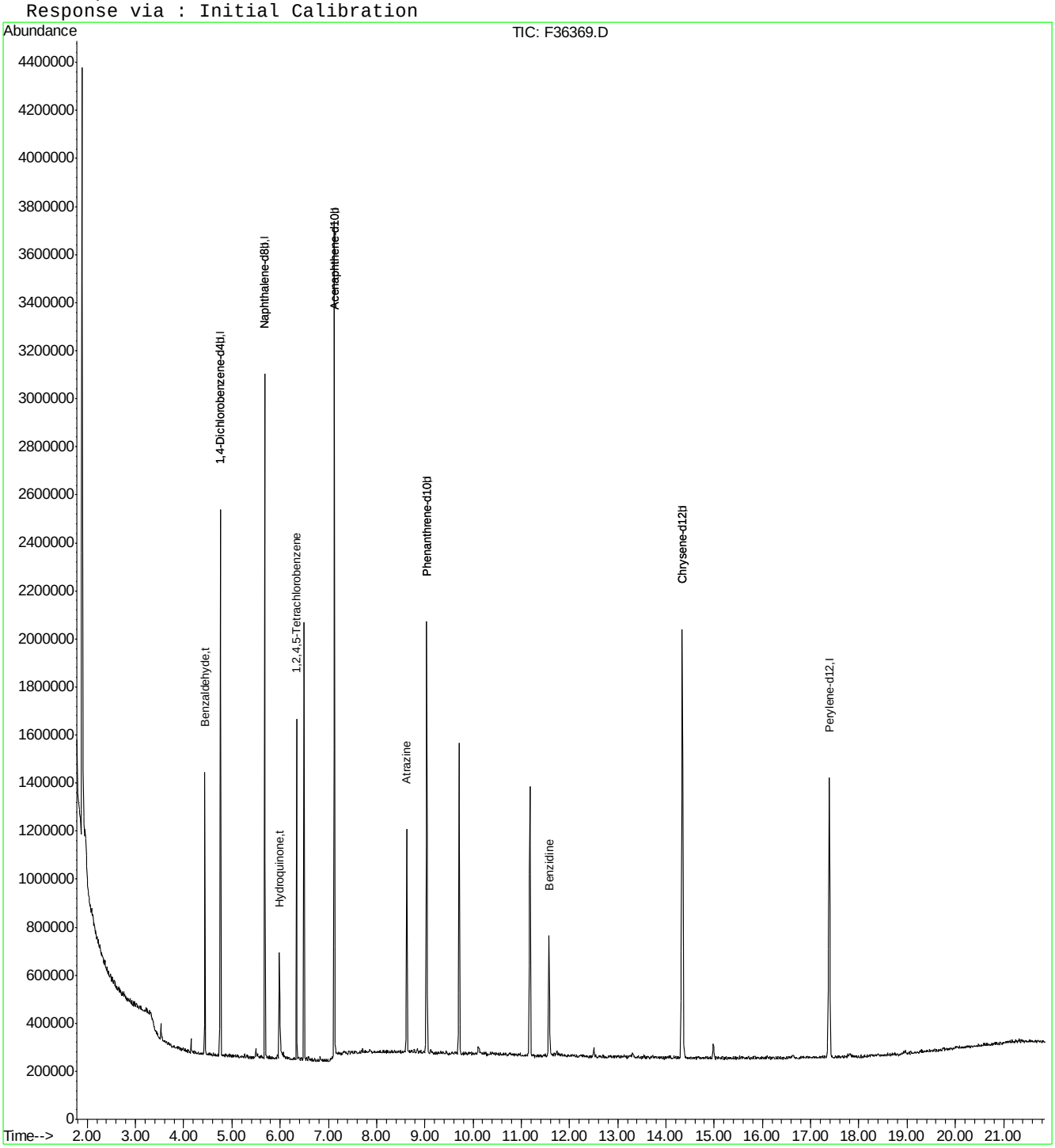
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	283092	40.00	ppb	-0.04
24) Naphthalene-d8	5.68	136	997542	40.00	ppb	-0.04
47) Acenaphthene-d10	7.13	164	567145	40.00	ppb	-0.05
69) Phenanthrene-d10	9.04	188	906346	40.00	ppb	-0.06
83) Chrysene-d12	14.34	240	819326	40.00	ppb	-0.07
92) Perylene-d12	17.39	264	718855	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4b	4.76	152	283092	40.00	ppb	-0.04
104) Naphthalene-d8b	5.68	136	997542	40.00	ppb	-0.04
106) Acenaphthene-d10b	7.13	164	567145	40.00	ppb	-0.05
108) Phenanthrene-d10b	9.04	188	906346	40.00	ppb	0.24
110) Chrysene-d12b	14.34	240	819326	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.44	105	182205	26.20	ppb	97
105) Hydroquinone	5.98	110	246546	28.60	ppb	95
107) 1,2,4,5-Tetrachlorobenzene	6.34	216	204688	25.59	ppb	99
109) Atrazine	8.63	200	129834	29.33	ppb	98
111) Benzidine	11.58	184	318255	33.44	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36369.D Vial: 3
Acq On : 25 Jun 2014 5:33 pm Operator: saraw
Sample : cc5693-25 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 7:54 2014 Quant Results File: MF5692.RES

Method : C:\MSDCHEM\1\METHODS\MF5692.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:53:27 2014
Response via : Initial Calibration



F36369.D MF5692.M Thu Jun 26 07:54:12 2014 RT1 Page 2

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 16:25

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 07:58:57 2014 Quant Results File: MFAP5692A.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:58:55 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	211184	40.00	ppb	-0.06
24) Naphthalene-d8	5.68	136	739494	40.00	ppb	-0.06
47) Acenaphthene-d10	7.14	164	435356	40.00	ppb	-0.05
69) Phenanthrene-d10	9.11	188	682085	40.00	ppb	-0.02
83) Chrysene-d12	14.47	240	679637	40.00	ppb	0.02
92) Perylene-d12	17.54	264	583940	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4A	4.76	152	211184	40.00	ppb	-0.11
112) Naphthalene-d8A	5.68	136	739494	40.00	ppb	-0.10
121) Acenaphthene-d10A	7.14	164	435356	40.00	ppb	-0.11
132) Phenanthrene-d10A	9.11	188	682085	40.00	ppb	-0.09
147) Chrysene-d12A	14.47	240	679637	40.00	ppb	-0.06
155) Perylene-d12A	17.54	264	583940	40.00	ppb	-0.06
159) 1,4-Dichlorobenzene-d4b	4.76	152	211184	40.00	ppb	-0.06
161) Naphthalene-d8b	5.68	136	739494	40.00	ppb	0.08
163) Acenaphthene-d10b	7.14	164	435356	40.00	ppb	-0.05
165) Phenanthrene-d10b	9.11	188	682085	40.00	ppb	-0.02
167) Chrysene-d12b	14.47	240	679637	40.00	ppb	0.02
169) 1,4-Dichlorobenzene-d4c	4.76	152	211184	40.00	ppb	-0.11
171) Naphthalene-d8c	5.68	136	739494	40.00	ppb	-0.10
176) Chrysene-d12c	14.47	240	679637	40.00	ppb	-0.06
178) Naphthalene-d8a	5.68	136	739494	40.00	ppb	-0.02
180) Chrysene-d12B	14.47	240	679637	40.00	ppb	0.17
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.00	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) 2-Picoline	3.30	93	396774	47.69	ppb	97
104) Pentachloroethane	4.55	167	137282	45.46	ppb	98
105) Methyl methanesulfonate	3.64	80	175549	45.19	ppb	99
106) N-Nitrosodiethylamine	3.95	102	173467	47.34	ppb	92
107) N-Nitrosomethylethylamine	3.39	42	194519	56.24	ppb	94
108) Ethyl methanesulfonate	4.19	79	269852	48.72	ppb	100
109) N-Nitrosopyrrolidine	5.04	41	130779m	46.97	ppb	
110) N-Nitrosomorpholine	5.07	56	188797	46.30	ppb	98
111) o-Toluidine	5.08	106	434974	40.03	ppb	69
113) O,O,O-Triethyl phosphoroth	5.48	198	145321	43.87	ppb	92
114) N-Nitrosopiperidine	5.28	42	223433	57.33	ppb	91
116) Hexachloropropene	5.77	213	196172	46.96	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 07:58:57 2014 Quant Results File: MFAP5692A.RES

Quant Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:58:55 2014
Response via : Initial Calibration
DataAcq Meth : MF5692

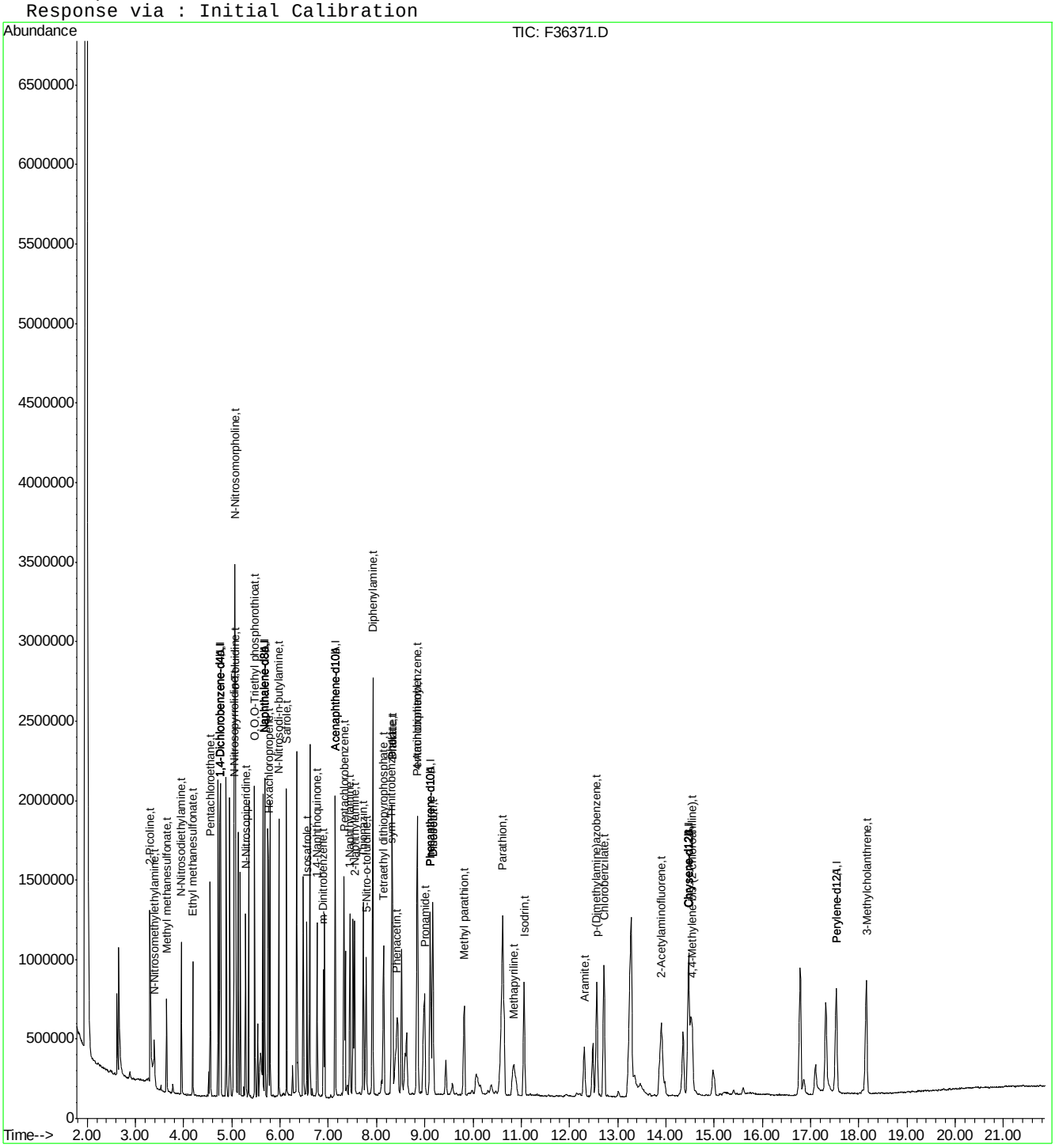
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
118)	N-Nitrosodi-n-butylamine	5.97	84	221591	49.47	ppb		90
119)	Safrole	6.13	162	235340	47.20	ppb		94
120)	Isosafrole	6.56	162	157465	47.29	ppb		98
122)	Thionazin	7.73	143	90756	51.39	ppb		99
123)	Tetraethyl dithiopyrophosp	8.15	322	78689	43.77	ppb		100
124)	Phorate	8.33	75	553532	68.28	ppb		100
125)	Phenacetin	8.42	108	365877	52.41	ppb		99
126)	1,4-Naphthoquinone	6.77	158	199487	48.27	ppb		90
127)	m-Dinitrobenzene	6.90	168	103882	51.46	ppb		88
128)	Pentachlorobenzene	7.33	250	220208	44.81	ppb		97
129)	1-Naphthylamine	7.45	143	388440	40.90	ppb		97
130)	2-Naphthylamine	7.54	143	444203	38.06	ppb		99
131)	5-Nitro-o-toluidine	7.78	152	188737	47.09	ppb		94
133)	Disulfoton	9.16	88	309383	47.91	ppb		99
134)	Dinoseb	9.17	211	163283	55.35	ppb		98
136)	4-Aminobiphenyl	8.84	169	558432	82.64	ppb		100
137)	Methyl parathion	9.82	125	182918	49.32	ppb		99
138)	Parathion	10.62	109	147416	53.32	ppb		98
139)	Diphenylamine	7.92	169	960012	47.80	ppb		98
140)	Isodrin	11.06	193	105848	48.61	ppb		99
141)	Diallate	8.32	86	269421	50.34	ppb		76
142)	Pentachloronitrobenzene	8.85	295	57842	92.11	ppb		97
143)	Pronamide	9.00	173	299852	49.78	ppb		99
145)	Methapyriline	10.85	58	292740	43.45	ppb		96
146)	sym-Trinitrobenzene	8.31	213	56383	50.35	ppb	#	12
148)	Aramite	12.30	185	58549	102.51	ppb		100
149)	p-(Dimethylamine)azobenzen	12.57	120	333270	52.57	ppb		97
152)	2-Acetylaminofluorene	13.90	181	443603	50.79	ppb		99
154)	Chlorobenzilate	12.72	251	278580	48.05	ppb		92
156)	4,4-Methylene-bis-(2-chlor	14.55	266	63216	36.99	ppb		99
157)	3-Methylcholanthrene	18.16	268	411345	47.87	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 8:01 2014 Quant Results File: MFAP5692A.RES

Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:58:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

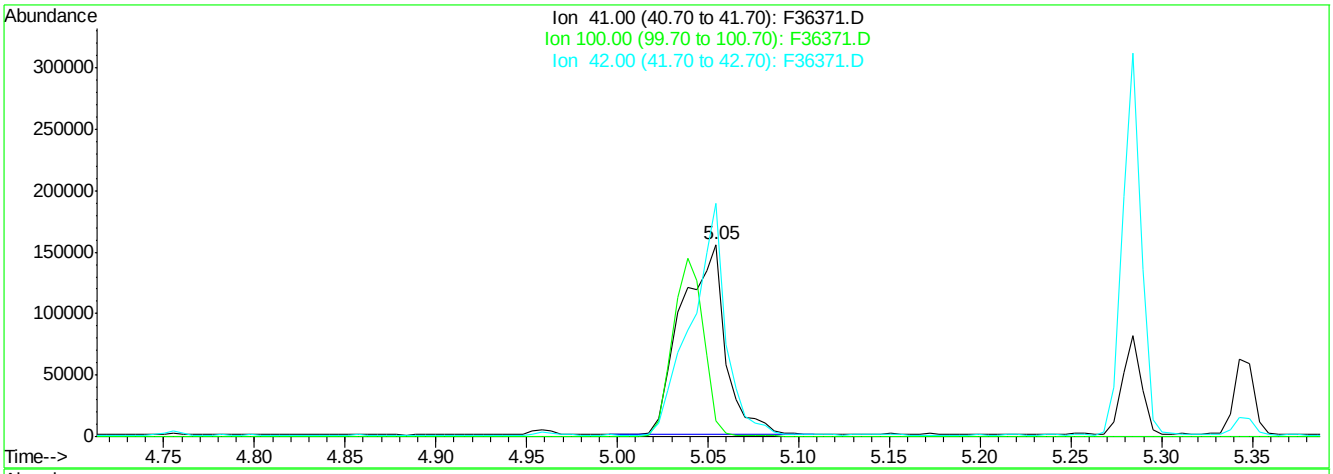
Sample Number:	EF5710-CC5702	**Method:**	SW846 8270D
Lab FileID:	F36371.D	**Analyst approved:**	06/26/14 10:58 Kristi Schollenberger
Injection Time:	06/25/14 18:32	**Supervisor approved:**	06/26/14 16:25 Nina Pandya

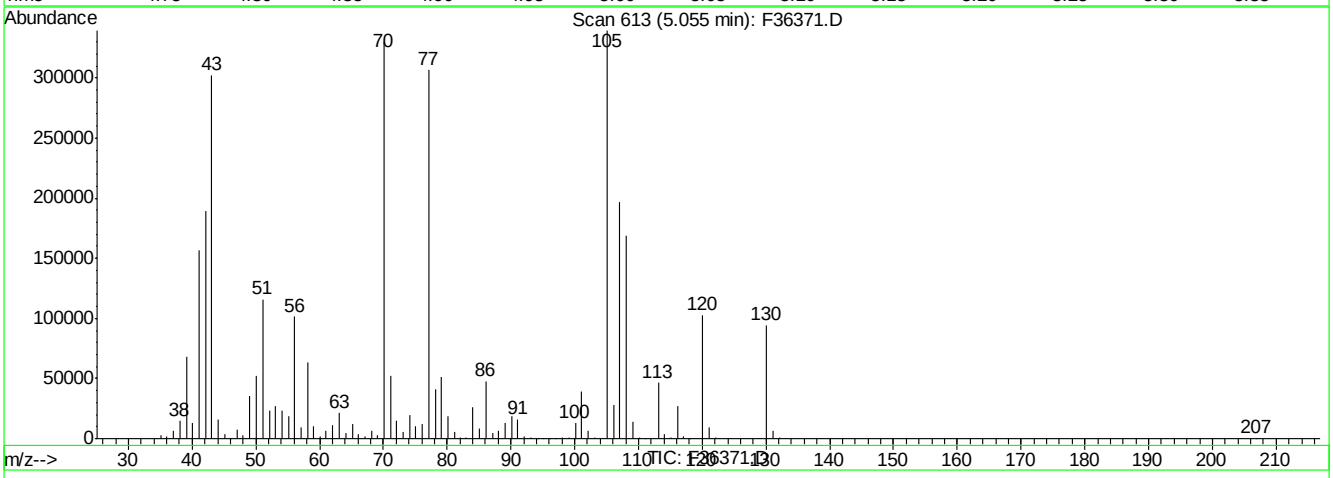
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitrosopyrrolidine	930-55-2		5.04	Overlapping peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 7:59 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:58:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.05min 94.05ppb

response 261873

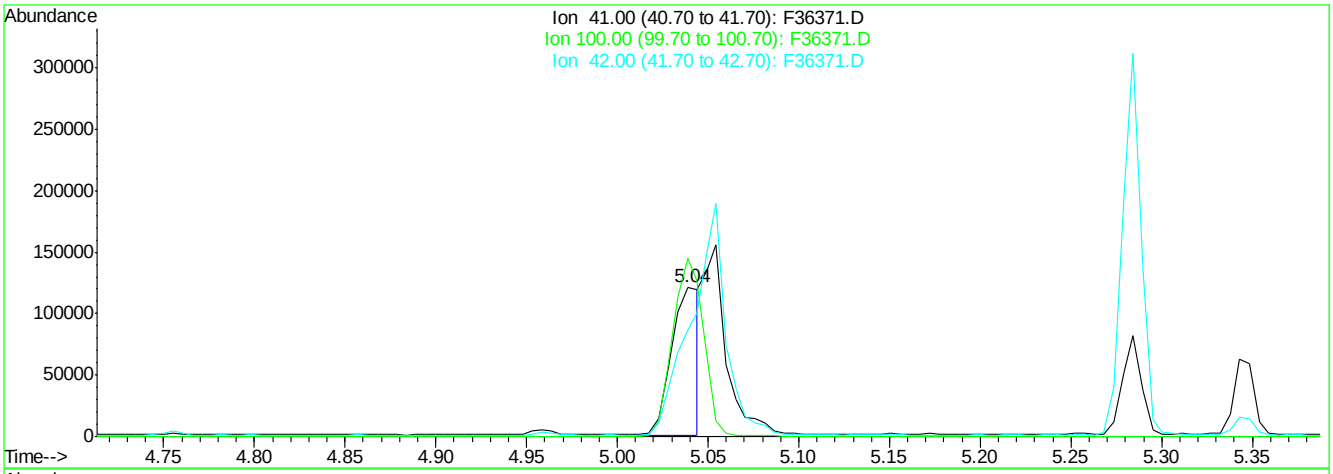
Ion	Exp%	Act%
41.00	100	100
100.00	143.60	8.34#
42.00	70.40	121.72#
0.00	0.00	0.00

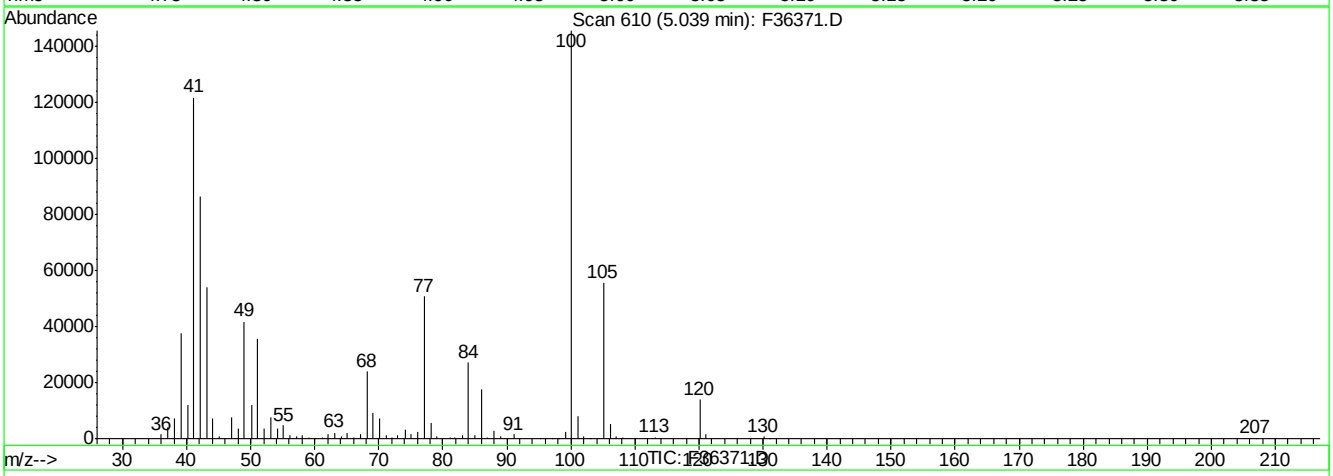
F36371.D MFAP5692A.M Thu Jun 26 07:59:39 2014 RT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF5710\F36371.D Vial: 5
Acq On : 25 Jun 2014 6:32 pm Operator: saraw
Sample : cc5702-50 Inst : MSF
Misc : op74333,ef5710 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 26 7:59 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MFAP5692A.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 07:58:55 2014
Response via : Multiple Level Calibration





(109) N-Nitrosopyrrolidine (t)

5.04min 46.97ppb m

response 130779

Ion	Exp%	Act%
41.00	100	100
100.00	143.60	119.56
42.00	70.40	70.87
0.00	0.00	0.00

F36371.D MFAP5692A.M Thu Jun 26 07:59:49 2014 RT1

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	351883	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1428684	40.00	ppb	0.00
47) Acenaphthene-d10	7.199	164	783725	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1356303	40.00	ppb	0.00
83) Chrysene-d12	12.750	240	1313310	40.00	ppb	0.00
92) Perylene-d12	14.796	264	1206787	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	351883	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1356303	40.00	ppb	0.00
107) Chrysene-d12a	12.750	240	1313310	40.00	ppb	0.00
110) Acenaphthene-d10a	7.199	164	783725	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1428684	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	1149426	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
8) Phenol-d5	3.449	99	1421106	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
25) Nitrobenzene-d5	4.357	82	1196249	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
51) 2-Fluorobiphenyl	6.409	172	2163878	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
73) 2,4,6-Tribromophenol	8.150	330	351261	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
86) Terphenyl-d14	11.211	244	2561783	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.745	88	559104	100.15	ppb	100
3) Pyridine	1.910	79	1524538	100.15	ppb	100
4) N-Nitrosodimethylamine	1.884	74	801403	100.15	ppb	100
6) Indene	4.047	116	1962255	100.15	ppb	100
7) Cumene	3.080	105	3036294	100.15	ppb	100
9) Phenol	3.460	94	1571342	100.15	ppb	100
10) Aniline	3.481	93	1514146	100.15	ppb	100
11) bis(2-Chloroethyl)ether	3.529	93	1096233	100.15	ppb	100
12) 2-Chlorophenol	3.599	128	1246720	100.15	ppb	100
13) Decane	3.625	43	1302024	100.15	ppb	100
14) 1,3-Dichlorobenzene	3.738	146	1279329	99.67	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1302642	99.59	ppb	100
16) Benzyl alcohol	3.930	108	786047	97.41	ppb	100
17) 1,2-Dichlorobenzene	3.962	146	1218658	100.15	ppb	100
18) Acetophenone	4.197	105	1698021	100.15	ppb	100
19) 2-Methylphenol	4.042	108	965217	100.15	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.058	121	333757	99.15	ppb	100
21) 3&4-Methylphenol	4.208	108	1086489	98.64	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.197	70	750887	99.60	ppb	100
23) Hexachloroethane	4.304	201	421928	100.15	ppb	100
26) Nitrobenzene	4.379	77	1260472	100.00	ppb	100
27) Quinoline	5.559	129	2764425	100.00	ppb	100
28) Isophorone	4.630	82	2116041	100.00	ppb	100
29) 2-Nitrophenol	4.720	139	647383	100.00	ppb	100
30) 2,4-Dimethylphenol	4.779	107	1147847	100.00	ppb	100
31) Benzoic Acid	4.972	105	985093m	101.13	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1277528	100.00	ppb	100
33) 2,4-Dichlorophenol	4.988	162	946641	100.00	ppb	100
34) 2,6-Dichlorophenol	5.244	162	881352	100.00	ppb	100
35) 1,3,5-Trichlorobenzene	4.731	180	1202027	100.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.073	180	1047290	100.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.330	180	1164522	100.00	ppb	100
38) Naphthalene	5.164	128	3382247	100.00	ppb	100
39) 4-Chloroaniline	5.239	127	1319188	100.00	ppb	100
40) 2,3-Dichloroaniline	6.302	161	1238582	100.00	ppb	100
41) Caprolactam	5.661	55	715231m	99.99	ppb	
42) Hexachlorobutadiene	5.313	225	544080	100.00	ppb	100
43) 4-Chloro-3-methylphenol	5.832	107	1039142	100.00	ppb	100
44) 2-Methylnaphthalene	5.960	141	1910113	100.00	ppb	100
45) 1-Methylnaphthalene	6.077	141	2133885	100.00	ppb	100
46) Dimethylnaphthalene	6.708	156	2185213	100.00	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1297284	200.00	ppb	100
49) 2,4,6-Trichlorophenol	6.312	196	653379	100.00	ppb	100
50) 2,4,5-Trichlorophenol	6.361	196	729919	100.00	ppb	100
52) 2-Chloronaphthalene	6.537	162	2009061	100.00	ppb	100
53) Biphenyl	6.521	154	2881884	100.00	ppb	100
54) 2-Nitroaniline	6.681	65	680398	100.00	ppb	100
55) Dimethylphthalate	6.905	163	2317384	100.00	ppb	100
56) Acenaphthylene	7.028	152	3359640	100.00	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	563059	100.00	ppb	100
58) 3-Nitroaniline	7.178	138	690447	100.00	ppb	100
59) Acenaphthene	7.237	153	2018310	100.00	ppb	100
60) 2,4-Dinitrophenol	7.301	184	736501	200.00	ppb	100
61) 4-Nitrophenol	7.418	109	320100	100.00	ppb	100
62) Dibenzofuran	7.450	168	2682934	100.00	ppb	100
63) 2,4-Dinitrotoluene	7.456	165	718825	100.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.611	232	594731	100.00	ppb	100
65) Diethylphthalate	7.760	149	2307416	100.00	ppb	100
66) Fluorene	7.856	166	2202062	100.00	ppb	100
67) 4-Chlorophenyl-phenyle...	7.872	204	1009491	100.00	ppb	100
68) 4-Nitroaniline	7.926	138	704322	100.00	ppb	100
70) 4,6-Dinitro-2-methylph...	7.947	198	489929	100.00	ppb	100
71) n-Nitrosodiphenylamine	8.022	169	1592132	100.00	ppb	100
72) 1,2-Diphenylhydrazine	8.065	77	2433657	100.00	ppb	100
74) 4-Bromophenyl-phenylether	8.460	248	634609	99.64	ppb	100
75) Hexachlorobenzene	8.530	284	750150	100.00	ppb	100
76) Pentachlorophenol	8.786	266	941585	200.00	ppb	100
77) Phenanthrene	9.032	178	3416012	100.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

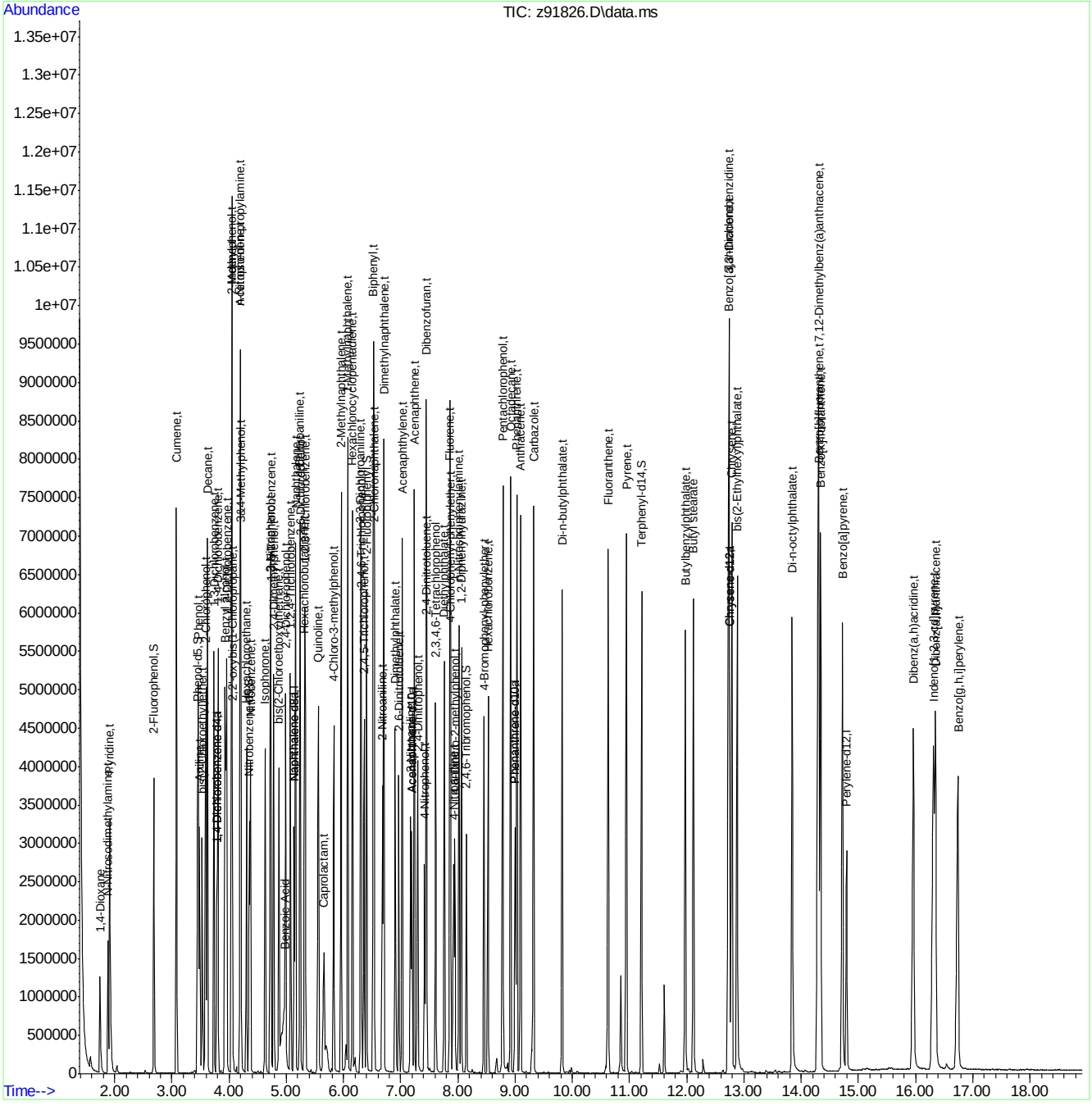
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	9.096	178	3442482	100.00	ppb	100
79)	Carbazole	9.325	167	3716352	100.00	ppb	100
80)	Di-n-butylphthalate	9.822	149	3923026	100.00	ppb	100
81)	Fluoranthene	10.629	202	3614218	100.00	ppb	100
82)	Octadecane	8.925	57	1681781	100.00	ppb	100
84)	Pyrene	10.950	202	3807465	100.00	ppb	100
85)	Butyl stearate	12.114	56	1118083	100.00	ppb	100
87)	Butylbenzylphthalate	11.975	149	1802691	100.00	ppb	100
88)	Benzo[a]anthracene	12.734	228	3502023	100.00	ppb	100
89)	3,3'-Dichlorobenzidine	12.739	252	1237057	100.00	ppb	100
90)	Chrysene	12.793	228	3377072	100.00	ppb	100
91)	bis(2-Ethylhexyl)phtha...	12.883	149	2514606	100.00	ppb	100
93)	Di-n-octylphthalate	13.845	149	4287069	100.00	ppb	100
94)	Benzo[b]fluoranthene	14.310	252	3736770	100.00	ppb	100
95)	Benzo[k]fluoranthene	14.342	252	3390256	99.84	ppb	100
96)	Benzo[a]pyrene	14.727	252	3229461	100.00	ppb	100
97)	Indeno[1,2,3-cd]pyrene	16.313	276	3573185	100.00	ppb	100
98)	Dibenz(a,h)acridine	15.966	279	3350151	100.00	ppb	100
99)	Dibenz[a,h]anthracene	16.351	278	3388290	100.00	ppb	100
100)	7,12-Dimethylbenz(a)an...	14.304	256	1867216	100.00	ppb	100
101)	Benzo[g,h,i]perylene	16.746	276	3313792	99.56	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

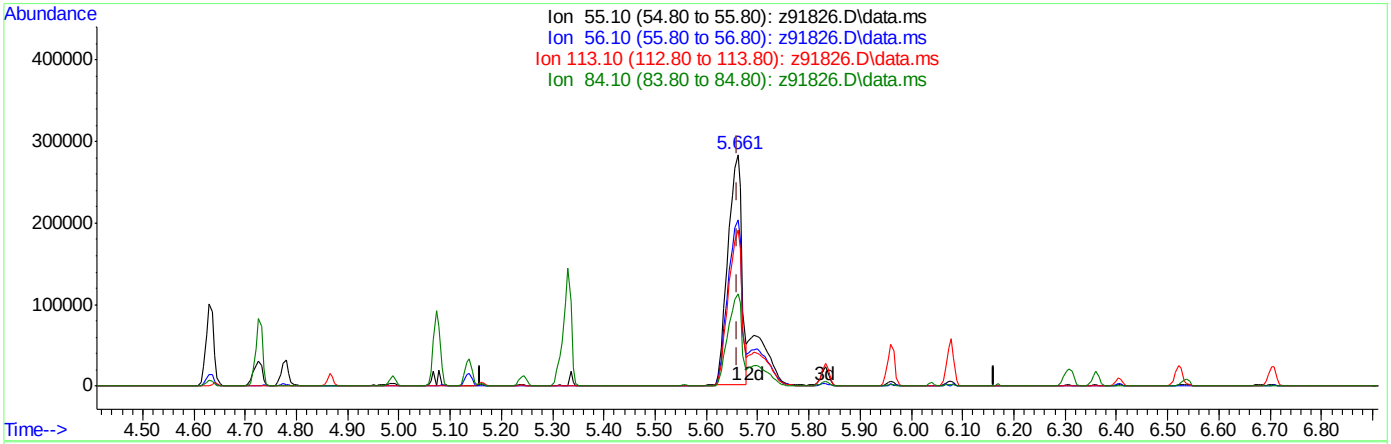
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91826.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 10:56	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

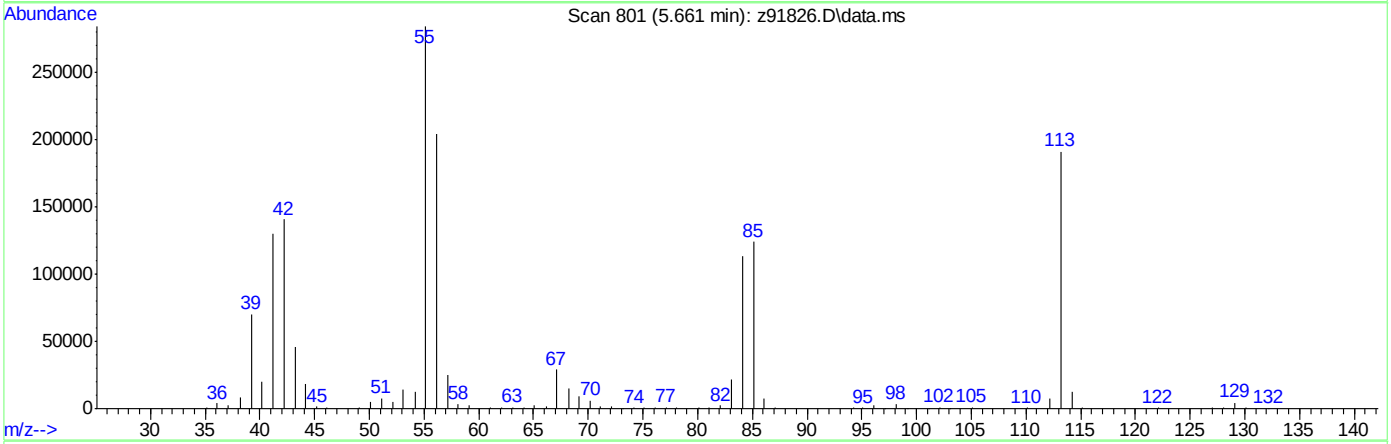
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.97	Poor instrument integration
Caprolactam	105-60-2		5.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:56:15 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 74.07ppb

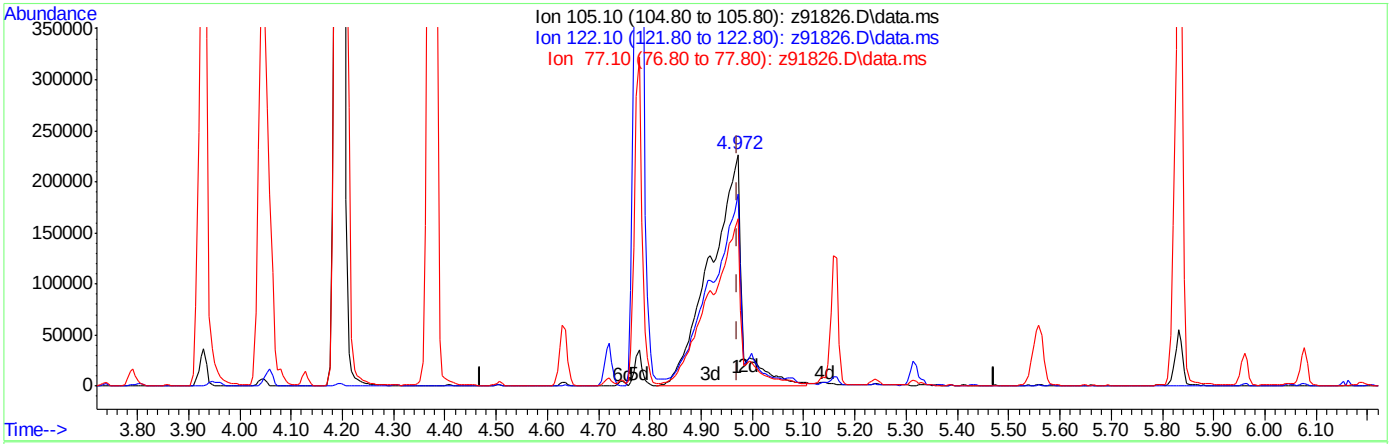
response 529842

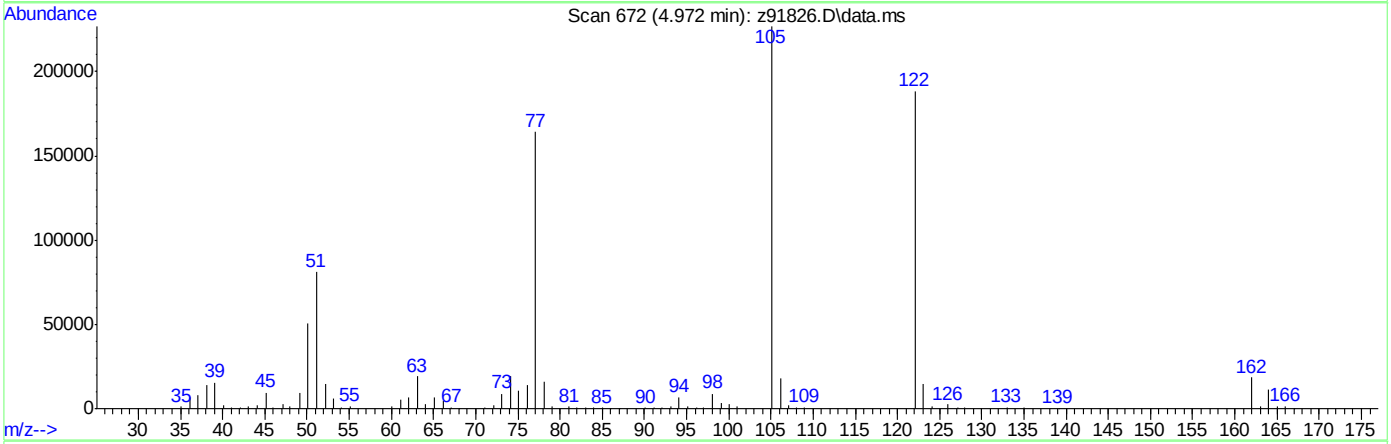
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.42
113.10	67.30	67.26
84.10	40.00	40.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(31) Benzoic Acid

4.972min (+0.001) 101.13ppb m

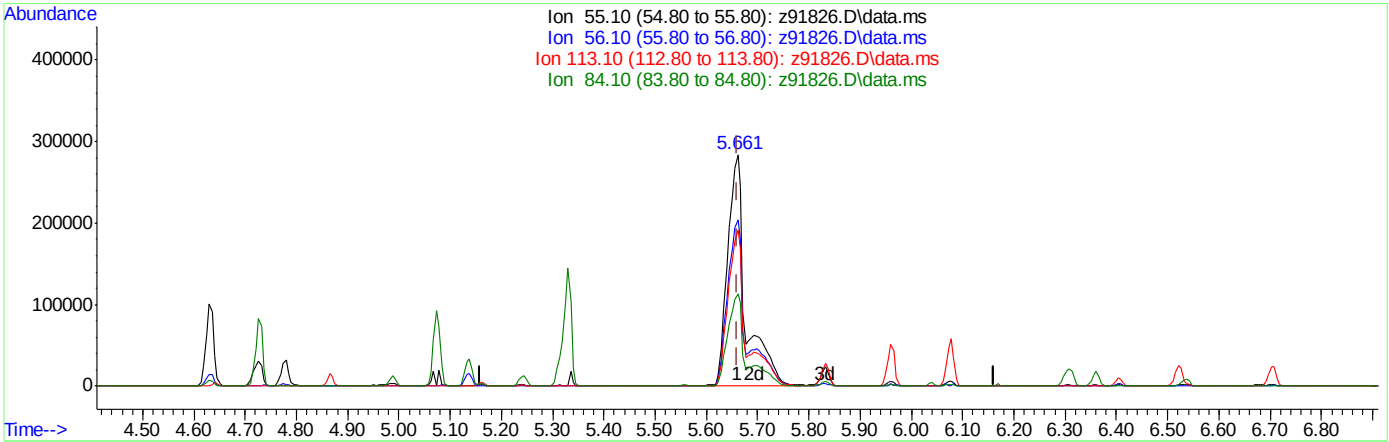
response 985093

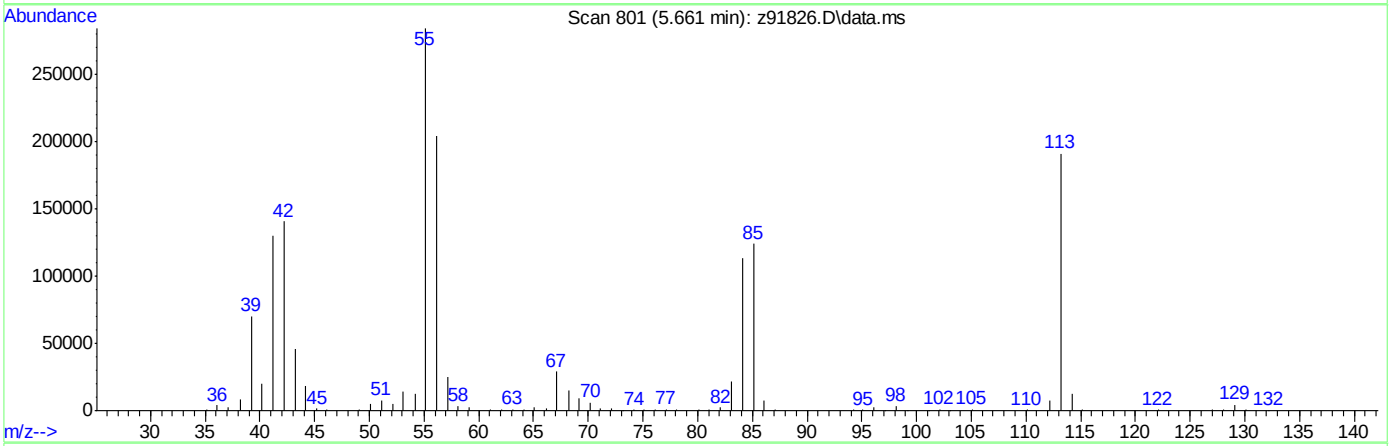
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	45.44#
77.10	33.90	39.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 99.99ppb m

response 715231

Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.76
113.10	67.30	67.27
84.10	40.00	40.03

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	361107	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1440210	40.00	ppb	0.00
47) Acenaphthene-d10	7.194	164	810215	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1380028	40.00	ppb	0.01
83) Chrysene-d12	12.745	240	1333317	40.00	ppb	0.01
92) Perylene-d12	14.791	264	1218008	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	361107	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1380028	40.00	ppb	0.01
107) Chrysene-d12a	12.745	240	1333317	40.00	ppb	0.01
110) Acenaphthene-d10a	7.194	164	810215	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1440210	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	981195	80.61	ppb	0.00
Spiked Amount 50.000			Recovery =	161.22%		
8) Phenol-d5	3.444	99	1217203	80.68	ppb	0.00
Spiked Amount 50.000			Recovery =	161.36%		
25) Nitrobenzene-d5	4.352	82	1024013	82.38	ppb	0.00
Spiked Amount 50.000			Recovery =	164.76%		
51) 2-Fluorobiphenyl	6.404	172	1872470	77.97	ppb	0.00
Spiked Amount 50.000			Recovery =	155.94%		
73) 2,4,6-Tribromophenol	8.150	330	293677	79.84	ppb	0.01
Spiked Amount 50.000			Recovery =	159.68%		
86) Terphenyl-d14	11.206	244	2151983	80.24	ppb	0.00
Spiked Amount 50.000			Recovery =	160.48%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.745	88	479568	84.67	ppb	99
3) Pyridine	1.911	79	1303941	86.33	ppb	99
4) N-Nitrosodimethylamine	1.884	74	687860	81.88	ppb	100
6) Indene	4.048	116	1738322	81.40	ppb	99
7) Cumene	3.081	105	2640936	84.46	ppb	100
9) Phenol	3.460	94	1364198	82.72	ppb	98
10) Aniline	3.481	93	1302894	73.89	ppb	73
11) bis(2-Chloroethyl)ether	3.529	93	938653	80.71	ppb	99
12) 2-Chlorophenol	3.599	128	1066421	80.16	ppb	100
13) Decane	3.626	43	1175066	83.00	ppb	98
14) 1,3-Dichlorobenzene	3.738	146	1105609	78.48	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1115717	78.32	ppb	99
16) Benzyl alcohol	3.930	108	676756	81.40	ppb	97
17) 1,2-Dichlorobenzene	3.962	146	1046831	78.50	ppb	99
18) Acetophenone	4.192	105	1475774	82.92	ppb	99
19) 2-Methylphenol	4.042	108	847285	77.86	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.058	121	292767	79.07	ppb	96
21) 3&4-Methylphenol	4.208	108	944415	79.36	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.192	70	656684	79.08	ppb	96
23) Hexachloroethane	4.304	201	362929	79.37	ppb	96
26) Nitrobenzene	4.373	77	1083251	80.31	ppb	96
27) Quinoline	5.554	129	2380035	87.25	ppb	100
28) Isophorone	4.630	82	1829812	80.47	ppb	99
29) 2-Nitrophenol	4.715	139	557748	82.12	ppb	87
30) 2,4-Dimethylphenol	4.774	107	977923	83.76	ppb	97
31) Benzoic Acid	4.956	105	823849m	113.78	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1090504	81.05	ppb	99
33) 2,4-Dichlorophenol	4.988	162	817376	82.10	ppb	99
34) 2,6-Dichlorophenol	5.244	162	759798	79.93	ppb	100
35) 1,3,5-Trichlorobenzene	4.726	180	1044436	84.23	ppb	97
36) 1,2,4-Trichlorobenzene	5.073	180	893545	78.73	ppb	99
37) 1,2,3-Trichlorobenzene	5.330	180	1001794	84.13	ppb	99
38) Naphthalene	5.159	128	2913798	78.92	ppb	100
39) 4-Chloroaniline	5.234	127	1127462	74.92	ppb	98
40) 2,3-Dichloroaniline	6.302	161	1066261	84.46	ppb	99
41) Caprolactam	5.650	55	604099m	89.04	ppb	
42) Hexachlorobutadiene	5.314	225	467455	77.86	ppb	99
43) 4-Chloro-3-methylphenol	5.827	107	892444	83.10	ppb	100
44) 2-Methylnaphthalene	5.960	141	1627653	78.68	ppb	100
45) 1-Methylnaphthalene	6.078	141	1831100	83.69	ppb	100
46) Dimethylnaphthalene	6.703	156	1890992	84.27	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1116869	166.01	ppb	99
49) 2,4,6-Trichlorophenol	6.307	196	552138	78.73	ppb	99
50) 2,4,5-Trichlorophenol	6.355	196	626287	81.78	ppb	99
52) 2-Chloronaphthalene	6.532	162	1737819	76.96	ppb	98
53) Biphenyl	6.521	154	2505730	81.64	ppb	100
54) 2-Nitroaniline	6.676	65	581502	82.19	ppb	96
55) Dimethylphthalate	6.906	163	1957737	79.33	ppb	99
56) Acenaphthylene	7.023	152	2860070	77.59	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	475699	81.74	ppb	93
58) 3-Nitroaniline	7.173	138	582914	81.85	ppb	97
59) Acenaphthene	7.237	153	1731495	77.99	ppb	100
60) 2,4-Dinitrophenol	7.296	184	623898	190.56	ppb	98
61) 4-Nitrophenol	7.413	109	269821	85.24	ppb	88
62) Dibenzofuran	7.445	168	2332340	76.75	ppb	99
63) 2,4-Dinitrotoluene	7.451	165	613668	79.76	ppb	77
64) 2,3,4,6-Tetrachlorophenol	7.606	232	507614	82.04	ppb	98
65) Diethylphthalate	7.755	149	1961897	79.83	ppb	100
66) Fluorene	7.857	166	1887727	76.80	ppb	98
67) 4-Chlorophenyl-phenyle...	7.867	204	867479	76.73	ppb	97
68) 4-Nitroaniline	7.921	138	585784	80.58	ppb	99
70) 4,6-Dinitro-2-methylph...	7.942	198	407265	89.33	ppb	99
71) n-Nitrosodiphenylamine	8.017	169	1358889	79.07	ppb	100
72) 1,2-Diphenylhydrazine	8.060	77	2101390	78.58	ppb	98
74) 4-Bromophenyl-phenylether	8.455	248	537393	78.99	ppb	95
75) Hexachlorobenzene	8.524	284	632878	77.42	ppb	97
76) Pentachlorophenol	8.781	266	783315	165.53	ppb	99
77) Phenanthrene	9.032	178	2891585	77.21	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

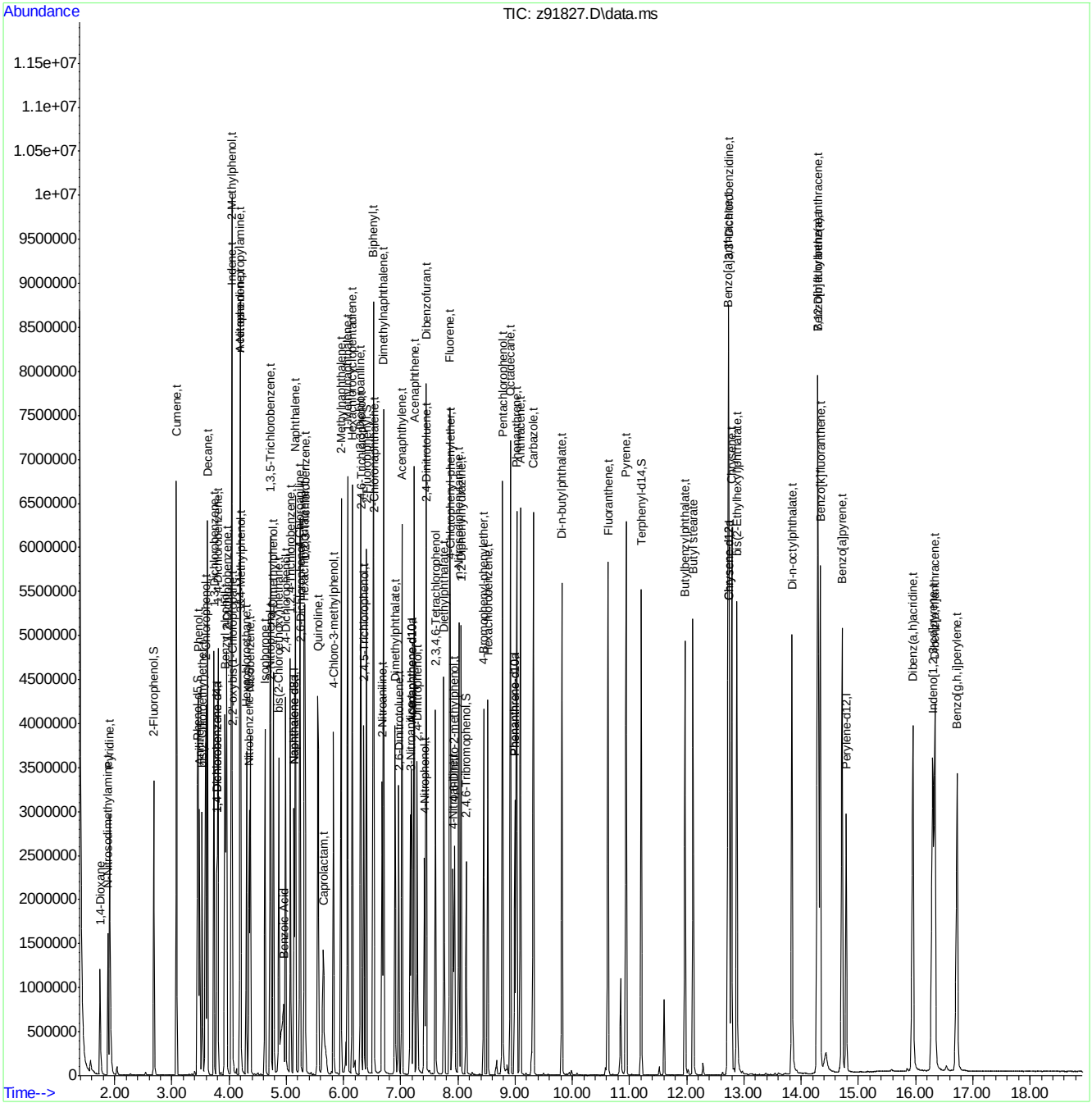
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.096	178	2927804	77.01	ppb	99
79) Carbazole	9.320	167	3133884	82.62	ppb	99
80) Di-n-butylphthalate	9.817	149	3342162	81.14	ppb	100
81) Fluoranthene	10.629	202	3043655	78.27	ppb	97
82) Octadecane	8.920	57	1473317	80.65	ppb	99
84) Pyrene	10.944	202	3218415	79.48	ppb	98
85) Butyl stearate	12.109	56	964185	80.93	ppb	97
87) Butylbenzylphthalate	11.970	149	1508663	84.87	ppb	99
88) Benzo[a]anthracene	12.729	228	2925774	79.97	ppb	99
89) 3,3'-Dichlorobenzidine	12.734	252	1051700	80.30	ppb	98
90) Chrysene	12.787	228	2839151	79.56	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.878	149	2082752	84.35	ppb	99
93) Di-n-octylphthalate	13.840	149	3551069	88.60	ppb	100
94) Benzo[b]fluoranthene	14.294	252	3240358	85.16	ppb	98
95) Benzo[k]fluoranthene	14.337	252	2780015m	77.08	ppb	
96) Benzo[a]pyrene	14.721	252	2720969	82.09	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.303	276	2850176	83.66	ppb	98
98) Dibenz(a,h)acridine	15.955	279	2802293	89.06	ppb	100
99) Dibenz[a,h]anthracene	16.340	278	2845978	83.20	ppb	100
100) 7,12-Dimethylbenz(a)an...	14.294	256	1576906	88.36	ppb	100
101) Benzo[g,h,i]perylene	16.730	276	2734536	82.09	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration



Manual Integration Approval Summary

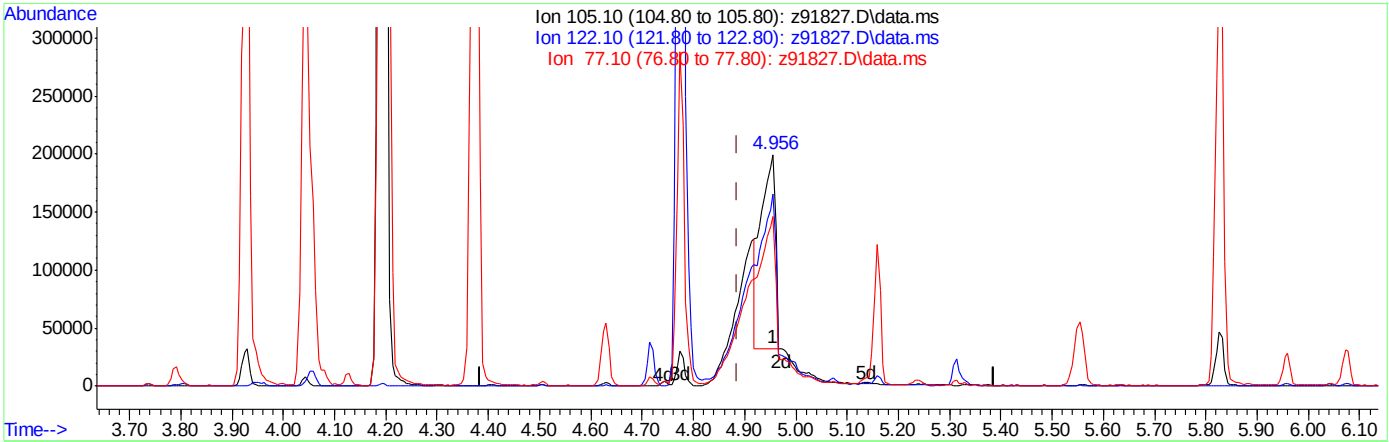
Sample Number: EZ4569-IC4569
Lab FileID: Z91827.D
Injection Time: 05/24/14 11:21
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

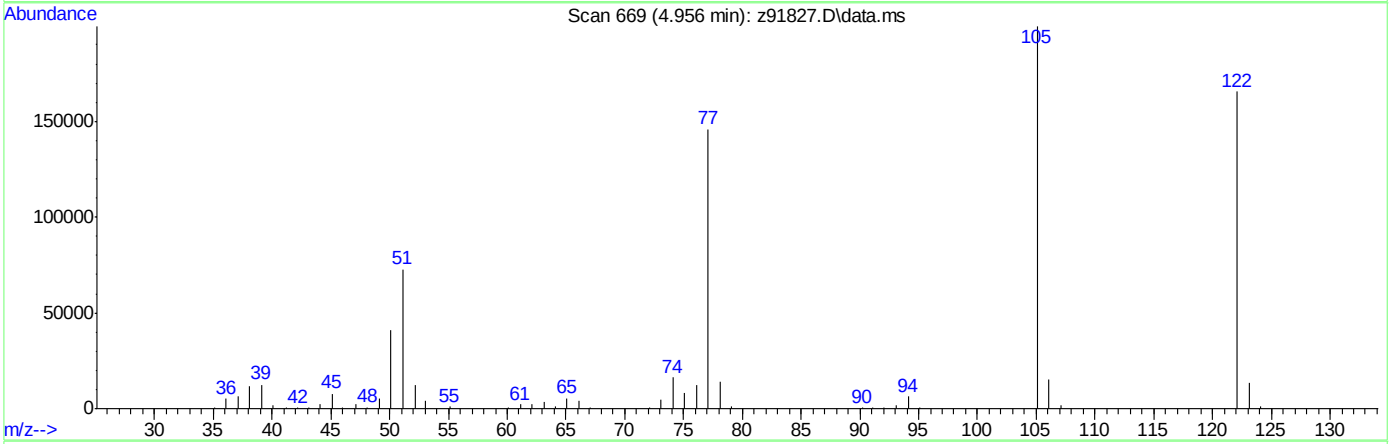
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.96	Poor instrument integration
Caprolactam	105-60-2		5.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		14.34	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 45.31ppb

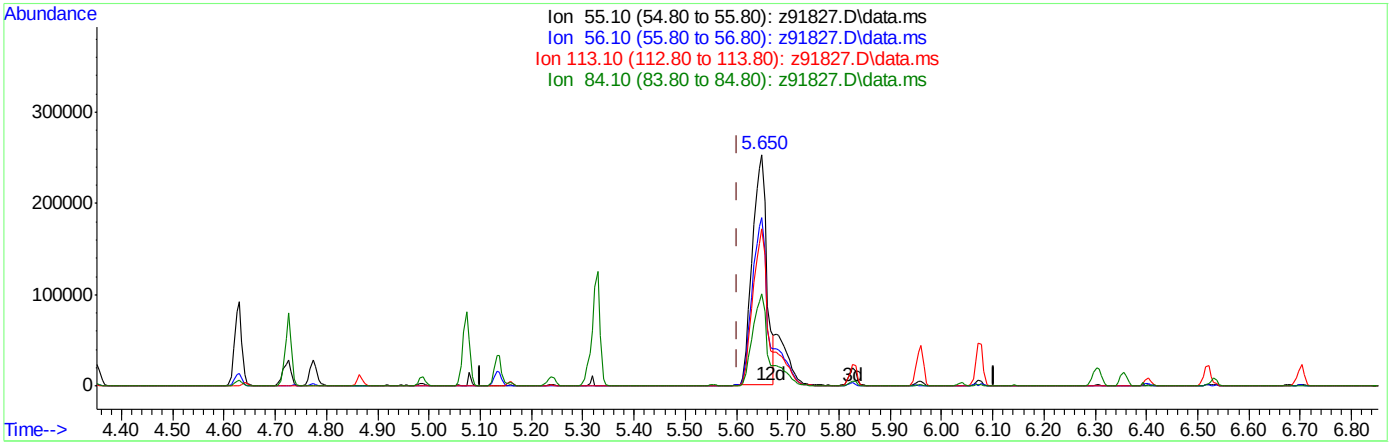
response 328069

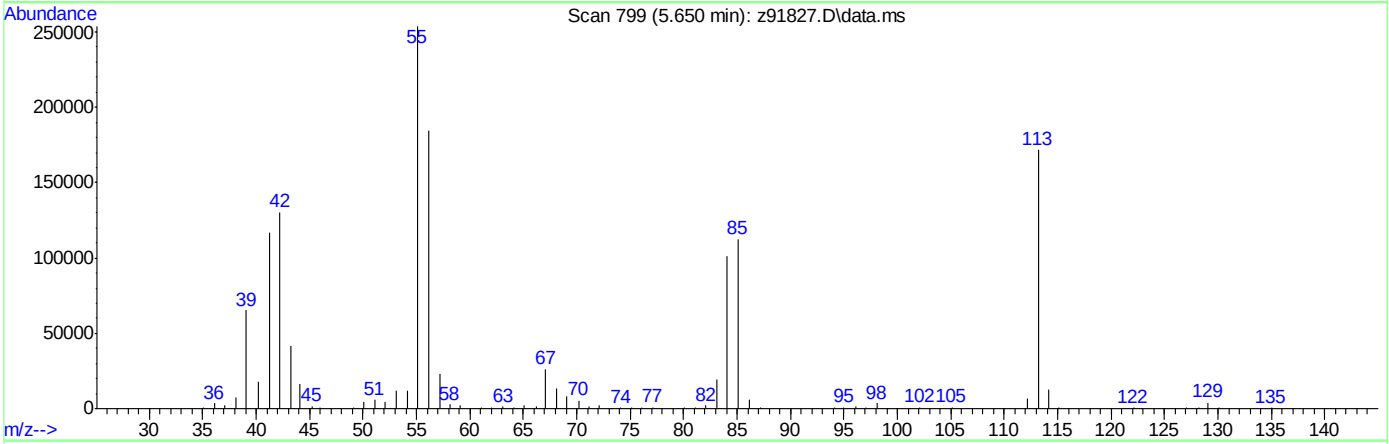
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	97.60
77.10	33.90	162.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(41) Caprolactam (t)

5.650min (+0.048) 72.79ppb

response 493831

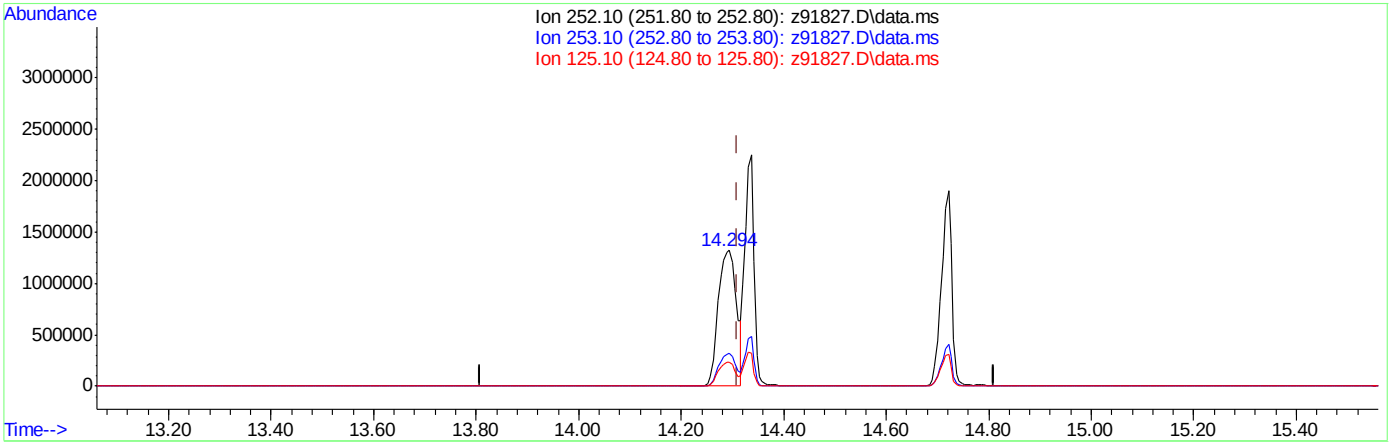
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.80
113.10	67.30	67.87
84.10	40.00	39.71

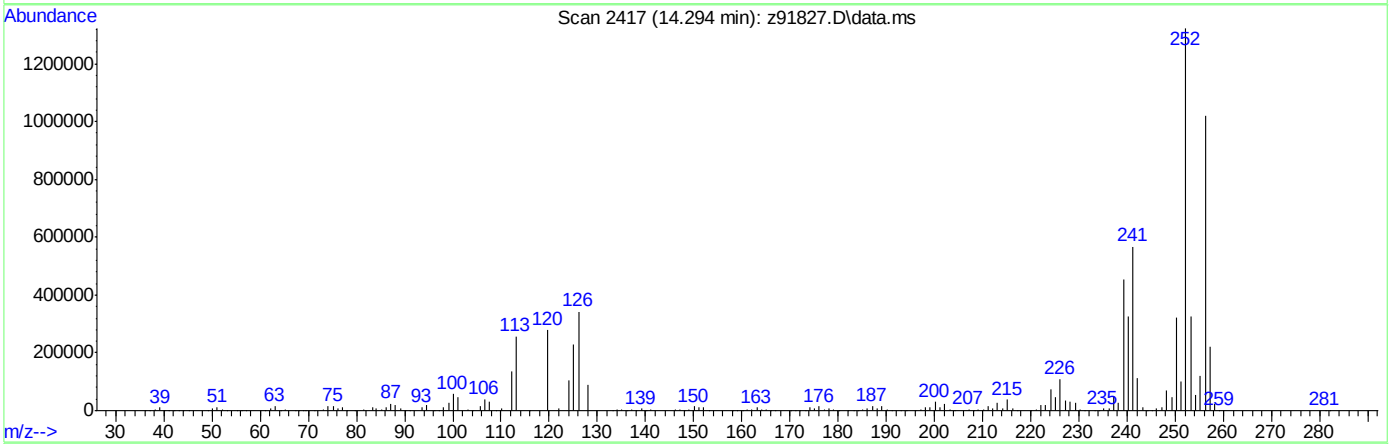
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.294min (-0.016) 89.84ppb

response 3240358

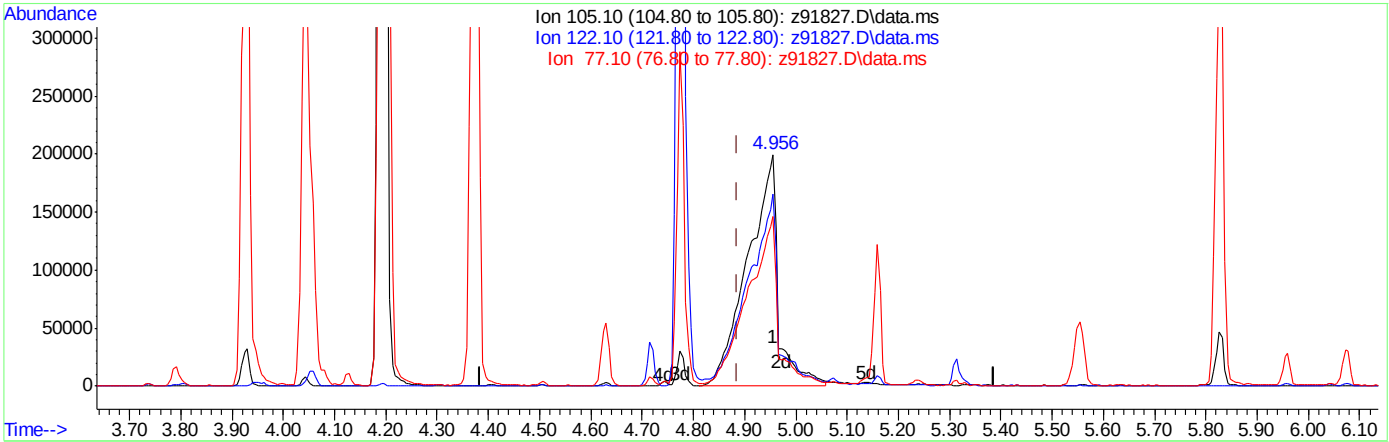
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	25.53
125.10	15.00	17.37
0.00	0.00	0.00

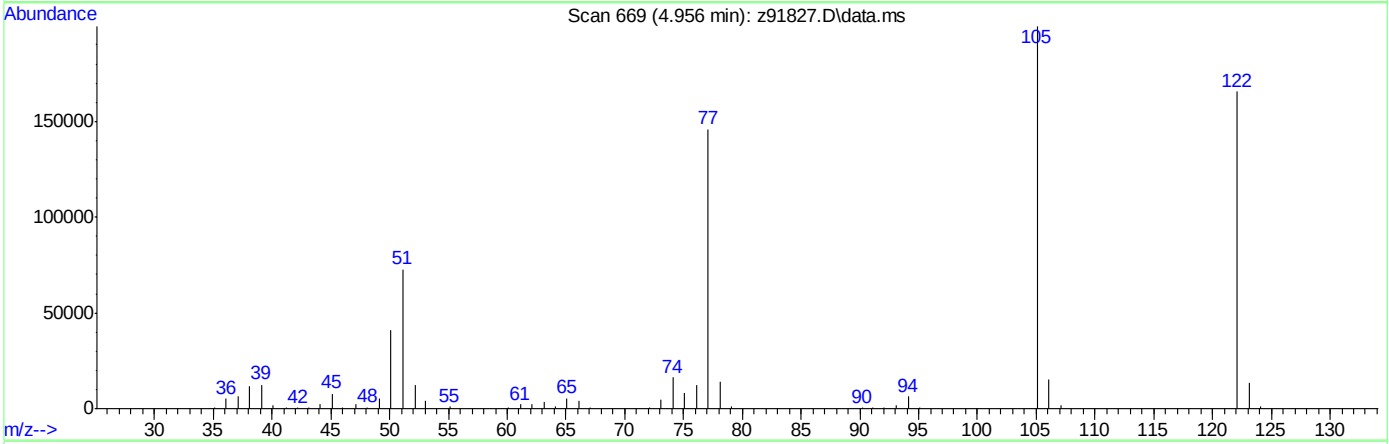
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 113.78ppb m

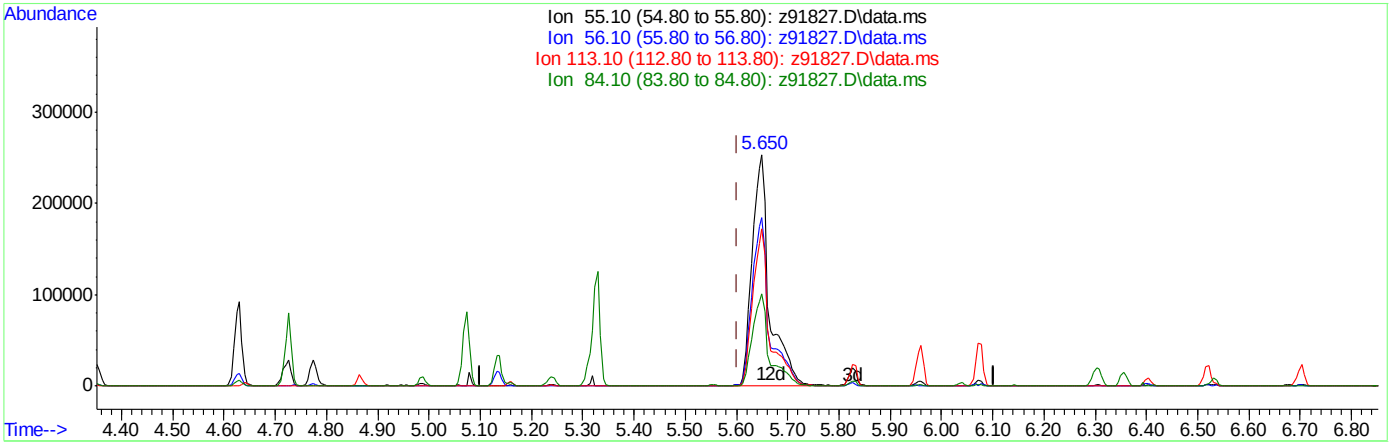
response 823849

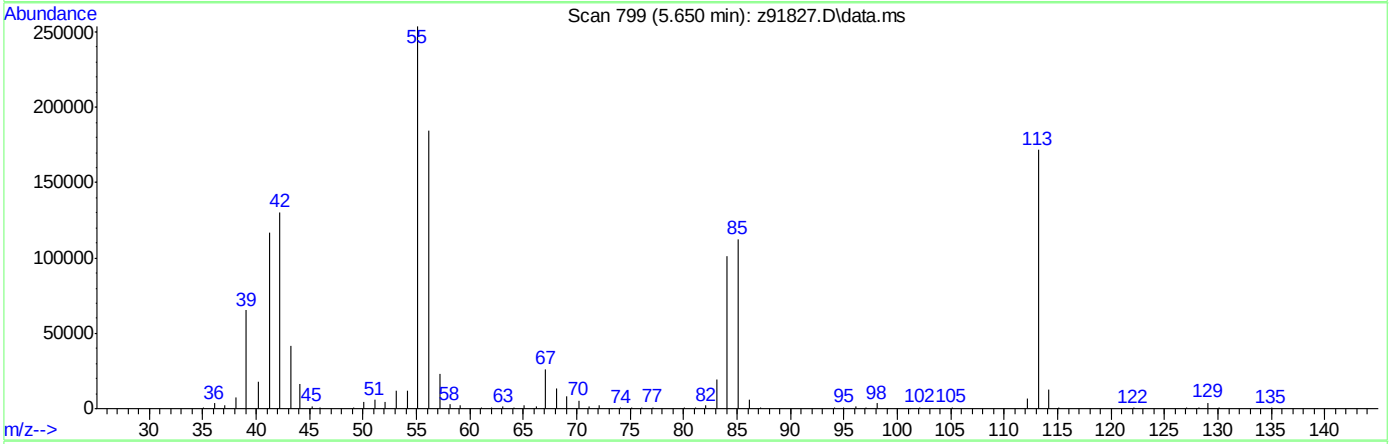
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	38.86#
77.10	33.90	64.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(41) Caprolactam (t)

5.650min (+0.048) 89.04ppb m

response 604099

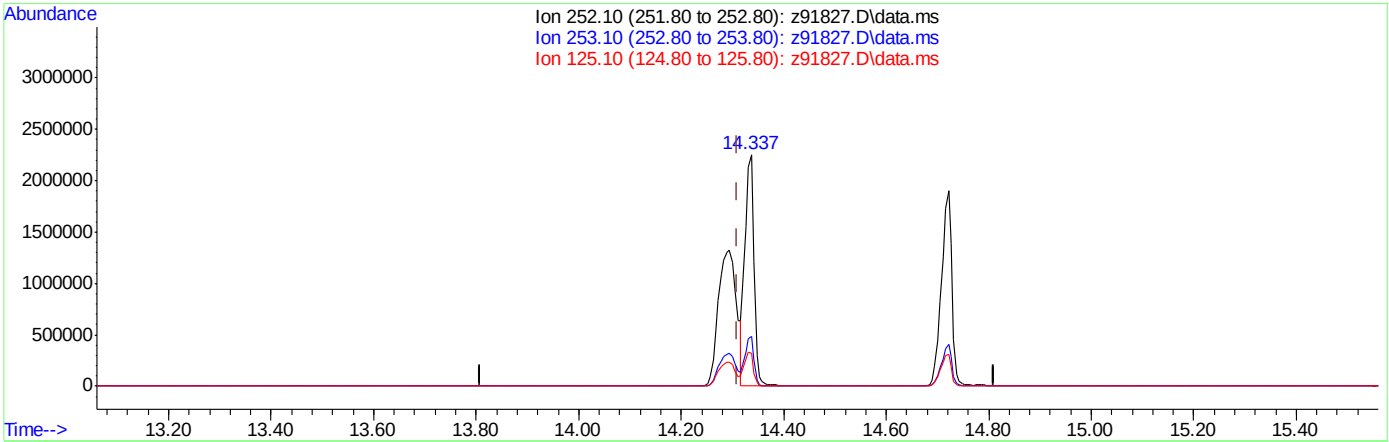
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.83
113.10	67.30	67.71
84.10	40.00	39.82

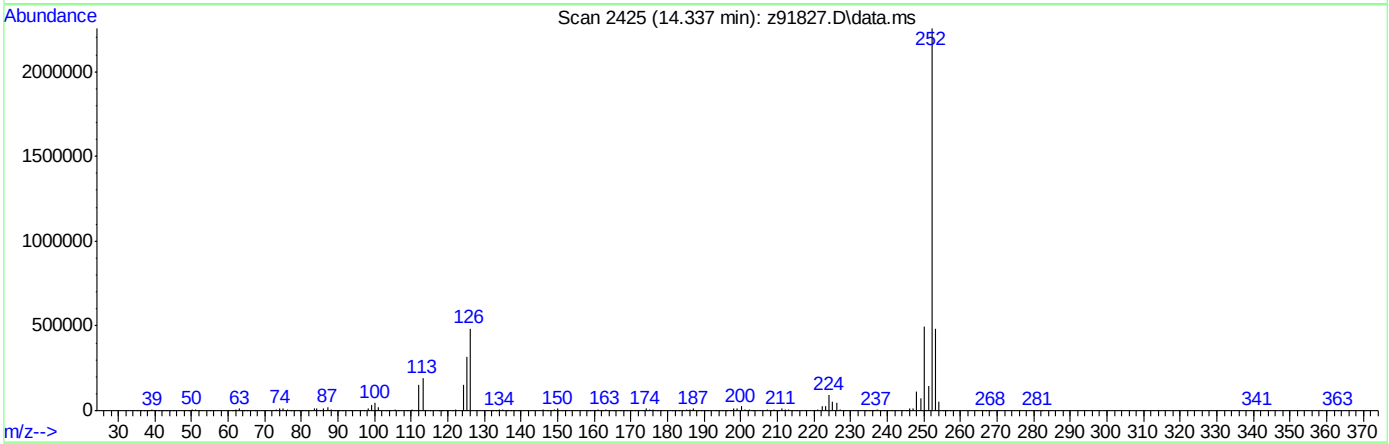
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.337min (+0.027) 77.08ppb m

response 2780015

Ion	Exp%	Act%
252.10	100	100
253.10	21.20	21.36
125.10	15.00	14.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	375632	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1490219	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	818513	40.00	ppb		0.00
69) Phenanthrene-d10	8.995	188	1391825	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1391683	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1272033	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	375632	40.00	ppb		0.00
104) Phenanthrene-d10a	8.995	188	1391825	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1391683	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	818513	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1490219	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	25915	2.02	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.04%		
8) Phenol-d5	3.439	99	33040	2.04	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.08%		
25) Nitrobenzene-d5	4.347	82	26932	2.05	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.10%		
51) 2-Fluorobiphenyl	6.398	172	54928	2.12	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.24%		
73) 2,4,6-Tribromophenol	8.140	330	5874	1.73	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.46%		
86) Terphenyl-d14	11.201	244	55462	1.98	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.96%		
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	13746	2.14	ppb		99
3) Pyridine	1.921	79	35736	2.14	ppb		99
4) N-Nitrosodimethylamine	1.889	74	18534	2.06	ppb		97
6) Indene	4.042	116	58444	2.30	ppb		99
7) Cumene	3.081	105	79073	2.20	ppb		99
9) Phenol	3.449	94	38015	2.10	ppb		99
10) Aniline	3.481	93	45149	2.29	ppb		93
11) bis(2-Chloroethyl)ether	3.524	93	26416	2.08	ppb		100
12) 2-Chlorophenol	3.594	128	29340	2.03	ppb		99
13) Decane	3.620	43	39839	2.32	ppb		90
14) 1,3-Dichlorobenzene	3.732	146	32933	2.11	ppb		98
15) 1,4-Dichlorobenzene	3.802	146	34119	2.14	ppb		99
16) Benzyl alcohol	3.919	108	18180	2.09	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	31722	2.12	ppb		98
18) Acetophenone	4.187	105	47342	2.28	ppb		97
19) 2-Methylphenol	4.037	108	25623	2.10	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.053	121	9270	2.21	ppb	#	79
21) 3&4-Methylphenol	4.192	108	26637	2.04	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.181	70	20140	2.20	ppb		87
23) Hexachloroethane	4.304	201	10356	2.10	ppb		87
26) Nitrobenzene	4.368	77	29884	2.06	ppb		98
27) Quinoline	5.533	129	64399	2.16	ppb		100
28) Isophorone	4.614	82	48372	2.02	ppb		99
29) 2-Nitrophenol	4.710	139	12877	1.89	ppb		84
30) 2,4-Dimethylphenol	4.769	107	17077	1.51	ppb		99
32) bis(2-Chloroethoxy)met...	4.865	93	30587	2.10	ppb		94
33) 2,4-Dichlorophenol	4.983	162	20501	1.97	ppb		96
34) 2,6-Dichlorophenol	5.234	162	21534	2.11	ppb		98
35) 1,3,5-Trichlorobenzene	4.721	180	32997	2.28	ppb		99
36) 1,2,4-Trichlorobenzene	5.068	180	25911	2.09	ppb		95
37) 1,2,3-Trichlorobenzene	5.319	180	30751	2.24	ppb		96
38) Naphthalene	5.153	128	89679	2.16	ppb		98
39) 4-Chloroaniline	5.228	127	35718	2.18	ppb		100
40) 2,3-Dichloroaniline	6.297	161	30980	2.18	ppb		96
41) Caprolactam	5.586	55	14064	2.03	ppb		97
42) Hexachlorobutadiene	5.308	225	14315	2.14	ppb		98
43) 4-Chloro-3-methylphenol	5.811	107	20804	1.88	ppb		95
44) 2-Methylnaphthalene	5.955	141	46938	2.08	ppb		99
45) 1-Methylnaphthalene	6.067	141	55440	2.23	ppb		98
46) Dimethylnaphthalene	6.692	156	53924	2.14	ppb		99
48) Hexachlorocyclopentadiene	6.152	237	23971	3.70	ppb		97
49) 2,4,6-Trichlorophenol	6.302	196	14062	1.98	ppb		95
50) 2,4,5-Trichlorophenol	6.345	196	13665	1.81	ppb		97
52) 2-Chloronaphthalene	6.526	162	51744	2.13	ppb		96
53) Biphenyl	6.510	154	76496	2.21	ppb		100
54) 2-Nitroaniline	6.660	65	12046	1.80	ppb		96
55) Dimethylphthalate	6.890	163	52559	2.02	ppb		97
56) Acenaphthylene	7.018	152	78468	2.05	ppb		100
57) 2,6-Dinitrotoluene	6.954	165	9213	1.73	ppb		97
58) 3-Nitroaniline	7.157	138	12260	1.82	ppb		95
59) Acenaphthene	7.226	153	50958	2.11	ppb		99
60) 2,4-Dinitrophenol	7.280	184	3860	12.00	ppb		76
61) 4-Nitrophenol	7.403	109	4044	1.33	ppb	#	77
62) Dibenzofuran	7.435	168	70887	2.11	ppb		86
63) 2,4-Dinitrotoluene	7.435	165	12878	1.77	ppb	#	40
64) 2,3,4,6-Tetrachlorophenol	7.600	232	10421	1.71	ppb		98
65) Diethylphthalate	7.744	149	50814	2.01	ppb		97
66) Fluorene	7.846	166	54207	2.06	ppb		98
67) 4-Chlorophenyl-phenyle...	7.862	204	25921	2.11	ppb		99
68) 4-Nitroaniline	7.889	138	11525	1.71	ppb		97
70) 4,6-Dinitro-2-methylph...	7.926	198	3744	0.84	ppb		92
71) n-Nitrosodiphenylamine	8.006	169	36118	2.05	ppb		98
72) 1,2-Diphenylhydrazine	8.049	77	56231	2.05	ppb		96
74) 4-Bromophenyl-phenylether	8.450	248	14146	1.98	ppb		99
75) Hexachlorobenzene	8.514	284	17880	2.10	ppb		94
76) Pentachlorophenol	8.775	266	11784	2.90	ppb		99
77) Phenanthrene	9.021	178	84515	2.09	ppb		98
78) Anthracene	9.085	178	80334	2.05	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	9.310	167	85862	2.11	ppb	99
80) Di-n-butylphthalate	9.812	149	72038	1.80	ppb	99
81) Fluoranthene	10.613	202	76648	1.94	ppb	99
82) Octadecane	8.914	57	38940	2.04	ppb	95
84) Pyrene	10.928	202	83927	1.98	ppb	92
85) Butyl stearate	12.104	56	16402	1.43	ppb	96
87) Butylbenzylphthalate	11.965	149	26187	1.53	ppb	98
88) Benzo[a]anthracene	12.718	228	75959	1.98	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	22335	1.78	ppb	93
90) Chrysene	12.772	228	76414	2.01	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	32556	1.40	ppb	94
93) Di-n-octylphthalate	13.829	149	46651	2.11	ppb	98
94) Benzo[b]fluoranthene	14.267	252	68280	1.80	ppb	99
95) Benzo[k]fluoranthene	14.305	252	76642	1.96	ppb	99
96) Benzo[a]pyrene	14.700	252	69764	2.07	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.265	276	55985m	1.72	ppb	
98) Dibenz(a,h)acridine	15.929	279	57124	1.81	ppb	96
99) Dibenz[a,h]anthracene	16.308	278	60113	1.75	ppb	92
100) 7,12-Dimethylbenz(a)an...	14.267	256	11143	3.18	ppb	97
101) Benzo[g,h,i]perylene	16.687	276	63143	1.87	ppb	99

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

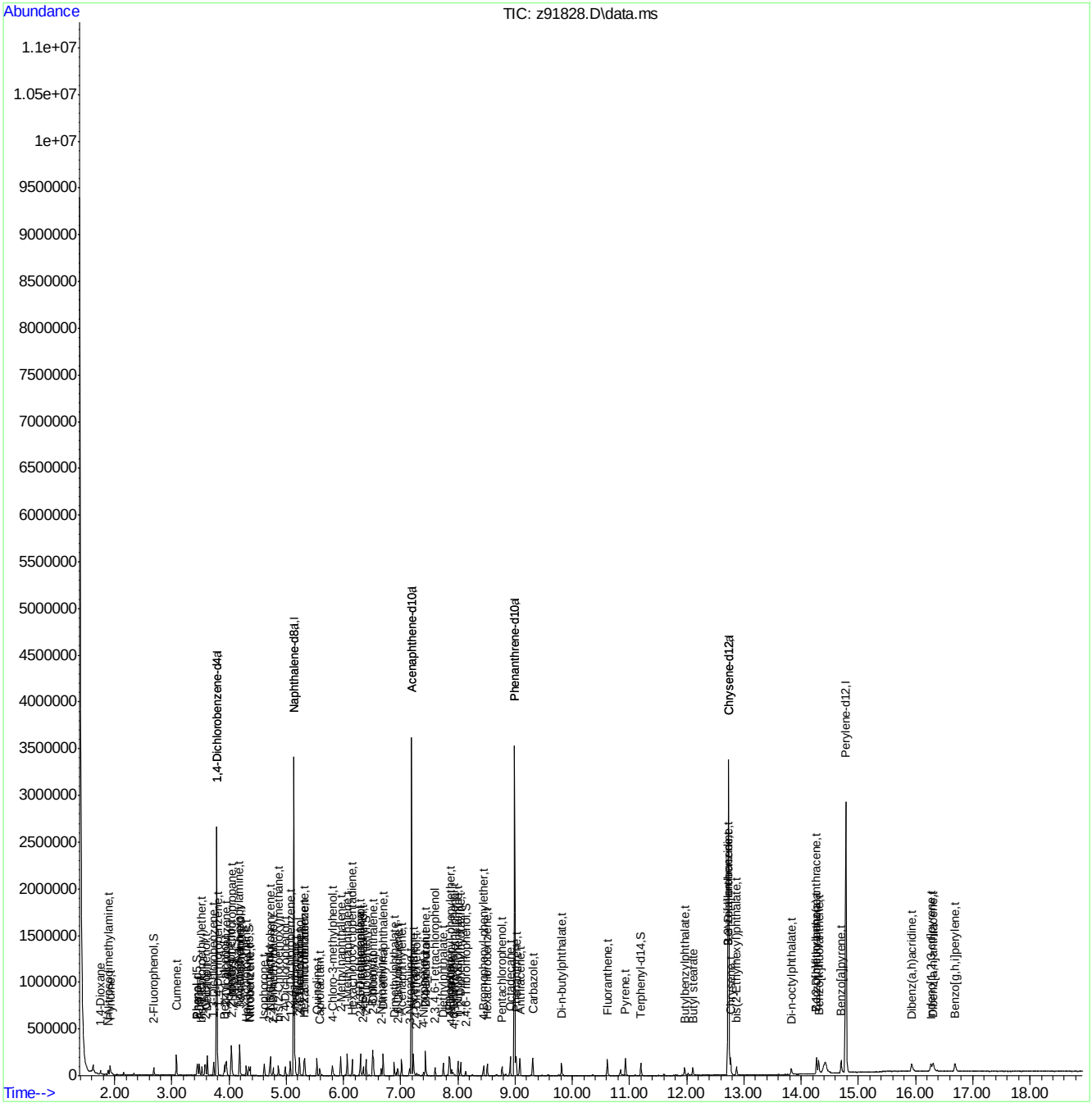
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration



Manual Integration Approval Summary

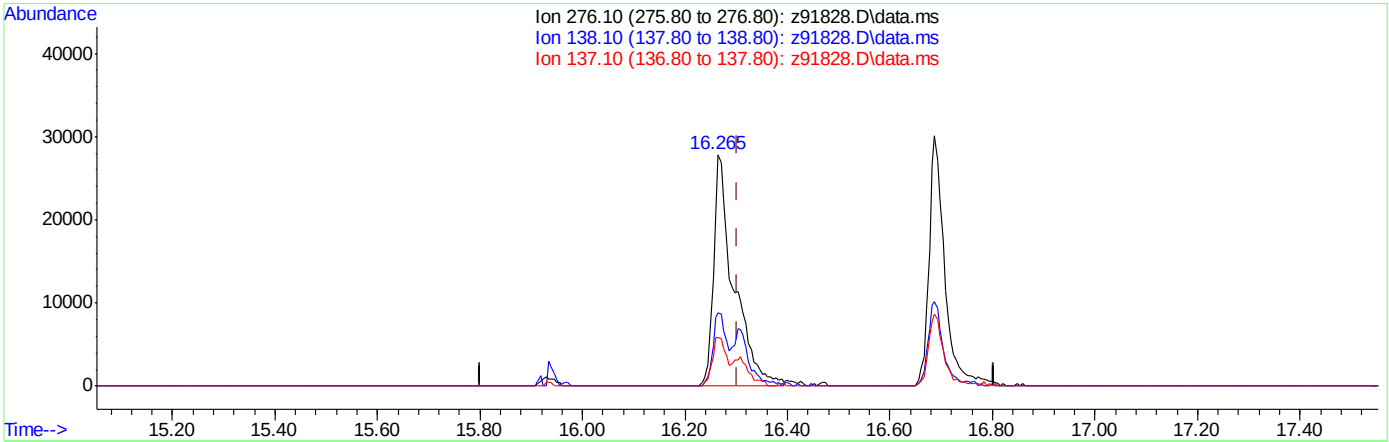
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91828.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:46	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

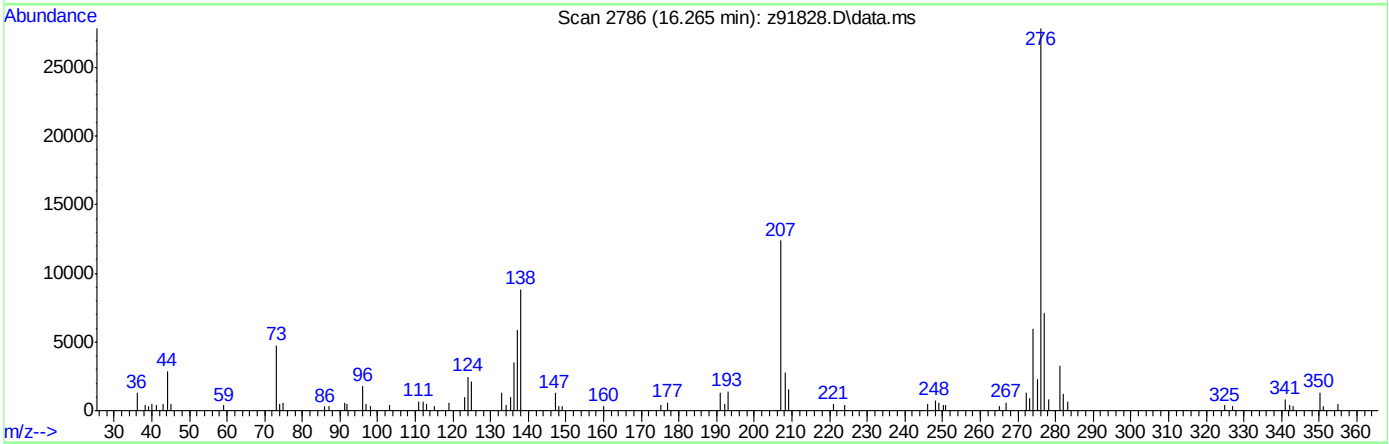
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 12:59:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:59:04 2014
Response via : Initial Calibration





TIC: z91828.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.265min (-0.037) 2.12ppb

response 76557

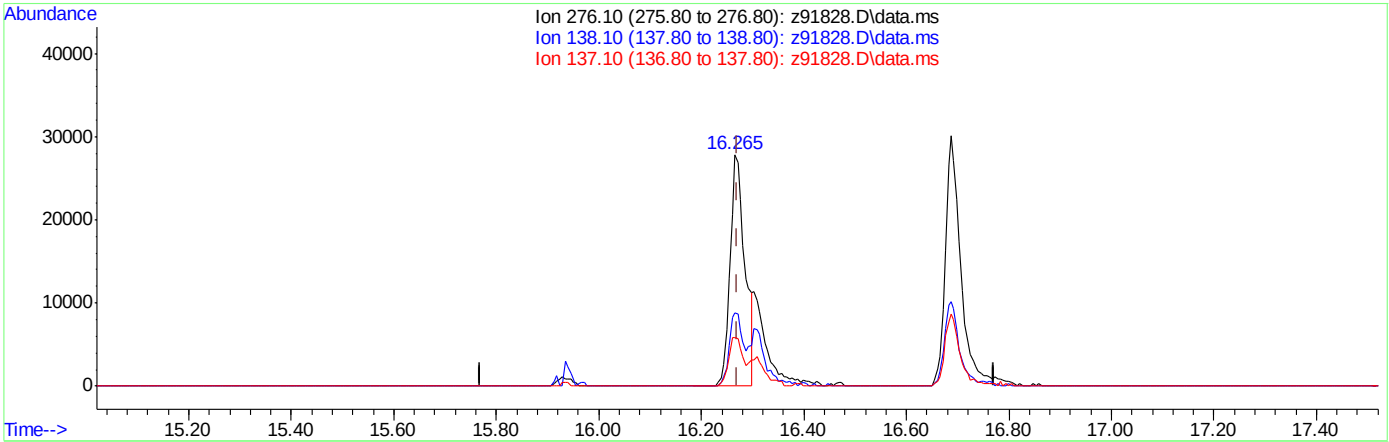
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.36
137.10	19.30	20.70
0.00	0.00	0.00

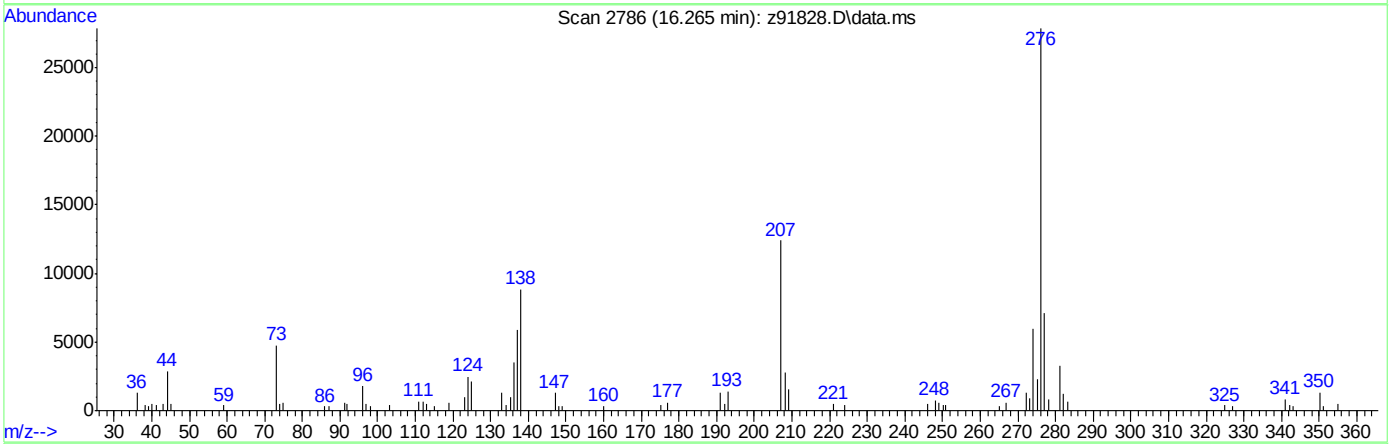
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration





TIC: z91828.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.265min (-0.005) 1.72ppb m

response 55985

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.67
137.10	19.30	21.09
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	290513	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1151541	40.00	ppb		0.00
47) Acenaphthene-d10	7.194	164	634154	40.00	ppb		0.00
69) Phenanthrene-d10	8.994	188	1062654	40.00	ppb		0.00
83) Chrysene-d12	12.739	240	1051589	40.00	ppb		0.00
92) Perylene-d12	14.785	264	988636	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	290513	40.00	ppb		0.00
104) Phenanthrene-d10a	8.994	188	1062654	40.00	ppb		0.00
107) Chrysene-d12a	12.739	240	1051589	40.00	ppb		0.00
110) Acenaphthene-d10a	7.194	164	634154	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1151541	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	505902	51.27	ppb		0.00
Spiked Amount 50.000			Recovery =	102.54%			
8) Phenol-d5	3.438	99	630587	51.17	ppb		0.00
Spiked Amount 50.000			Recovery =	102.34%			
25) Nitrobenzene-d5	4.347	82	508931	50.24	ppb		0.00
Spiked Amount 50.000			Recovery =	100.48%			
51) 2-Fluorobiphenyl	6.398	172	963888	49.95	ppb		0.00
Spiked Amount 50.000			Recovery =	99.90%			
73) 2,4,6-Tribromophenol	8.145	330	148308	55.27	ppb		0.00
Spiked Amount 50.000			Recovery =	110.54%			
86) Terphenyl-d14	11.201	244	1096791	51.93	ppb		0.00
Spiked Amount 50.000			Recovery =	103.86%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.745	88	220978	45.91	ppb		99
3) Pyridine	1.916	79	584890	45.66	ppb		100
4) N-Nitrosodimethylamine	1.884	74	341312	49.46	ppb		96
6) Indene	4.042	116	873715	46.95	ppb		100
7) Cumene	3.080	105	1244878	46.34	ppb		99
9) Phenol	3.454	94	683256	49.73	ppb		97
10) Aniline	3.481	93	722307	49.03	ppb		91
11) bis(2-Chloroethyl)ether	3.524	93	471858	49.19	ppb		99
12) 2-Chlorophenol	3.593	128	547134	50.34	ppb		97
13) Decane	3.625	43	591941	47.35	ppb		95
14) 1,3-Dichlorobenzene	3.738	146	592516	50.95	ppb		98
15) 1,4-Dichlorobenzene	3.802	146	605018	51.13	ppb		99
16) Benzyl alcohol	3.925	108	347244	51.04	ppb		95
17) 1,2-Dichlorobenzene	3.957	146	562859	50.88	ppb		99
18) Acetophenone	4.186	105	708123	45.84	ppb		99
19) 2-Methylphenol	4.037	108	460961	51.30	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.053	121	156295	50.07	ppb	#	87
21) 3&4-Methylphenol	4.197	108	496183	50.96	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.186	70	345387	49.78	ppb		94
23) Hexachloroethane	4.304	201	188057	50.11	ppb		92
26) Nitrobenzene	4.368	77	554840	50.51	ppb		96
27) Quinoline	5.543	129	1049817	45.50	ppb		98
28) Isophorone	4.619	82	951673	51.90	ppb		99
29) 2-Nitrophenol	4.710	139	281183	52.53	ppb		82
30) 2,4-Dimethylphenol	4.769	107	476966	54.45	ppb		99
31) Benzoic Acid	4.913	105	327754	49.63	ppb	#	58
32) bis(2-Chloroethoxy)met...	4.865	93	551063	49.83	ppb		99
33) 2,4-Dichlorophenol	4.982	162	414357	51.78	ppb		99
34) 2,6-Dichlorophenol	5.239	162	390341	50.18	ppb		100
35) 1,3,5-Trichlorobenzene	4.726	180	494836	46.01	ppb		99
36) 1,2,4-Trichlorobenzene	5.073	180	469638	50.65	ppb		98
37) 1,2,3-Trichlorobenzene	5.324	180	462864	45.23	ppb		99
38) Naphthalene	5.159	128	1523243	49.61	ppb		100
39) 4-Chloroaniline	5.228	127	624595	50.85	ppb		99
40) 2,3-Dichloroaniline	6.297	161	489286	45.71	ppb		99
41) Caprolactam	5.629	55	258053	46.24	ppb		99
42) Hexachlorobutadiene	5.314	225	248270	50.15	ppb		98
43) 4-Chloro-3-methylphenol	5.816	107	447108	52.40	ppb		99
44) 2-Methylnaphthalene	5.955	141	847449	50.23	ppb		99
45) 1-Methylnaphthalene	6.072	141	854786	45.77	ppb		99
46) Dimethylnaphthalene	6.697	156	887418	46.94	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	540466	104.75	ppb		99
49) 2,4,6-Trichlorophenol	6.302	196	282975	51.86	ppb		98
50) 2,4,5-Trichlorophenol	6.350	196	304317	52.00	ppb		98
52) 2-Chloronaphthalene	6.526	162	918085	50.73	ppb		100
53) Biphenyl	6.516	154	1187700	46.49	ppb		99
54) 2-Nitroaniline	6.665	65	284766	53.15	ppb		93
55) Dimethylphthalate	6.895	163	984453	50.39	ppb		100
56) Acenaphthylene	7.018	152	1495987	51.55	ppb		100
57) 2,6-Dinitrotoluene	6.959	165	233235	53.82	ppb		99
58) 3-Nitroaniline	7.162	138	289109	53.54	ppb		97
59) Acenaphthene	7.231	153	900263	50.41	ppb		99
60) 2,4-Dinitrophenol	7.285	184	263060	117.90	ppb		94
61) 4-Nitrophenol	7.402	109	126242	49.87	ppb	#	81
62) Dibenzofuran	7.440	168	1243554	50.83	ppb		89
63) 2,4-Dinitrotoluene	7.440	165	314097	54.54	ppb		56
64) 2,3,4,6-Tetrachlorophenol	7.600	232	249810	53.47	ppb		98
65) Diethylphthalate	7.750	149	987794	51.08	ppb		100
66) Fluorene	7.851	166	997191	51.17	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	457129	50.48	ppb		93
68) 4-Nitroaniline	7.905	138	289438	53.66	ppb		98
70) 4,6-Dinitro-2-methylph...	7.931	198	179938	49.34	ppb		99
71) n-Nitrosodiphenylamine	8.011	169	685470	51.41	ppb		99
72) 1,2-Diphenylhydrazine	8.054	77	1085643	52.40	ppb		97
74) 4-Bromophenyl-phenylether	8.449	248	271428	51.58	ppb		92
75) Hexachlorobenzene	8.519	284	320476	50.26	ppb		95
76) Pentachlorophenol	8.775	266	373133	112.16	ppb		99
77) Phenanthrene	9.021	178	1510217	51.29	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

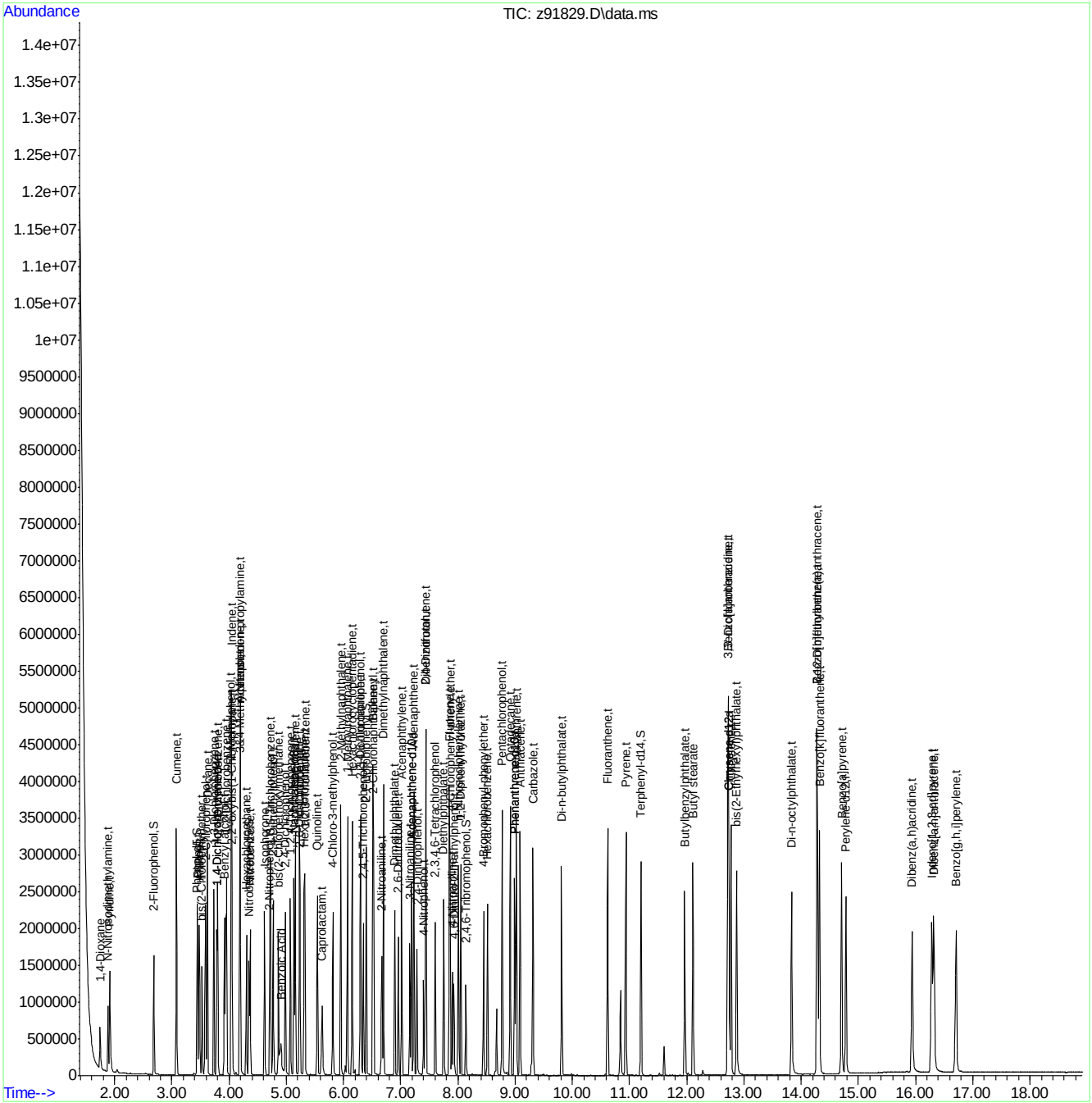
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.091	178	1504872	51.28	ppb	100
79) Carbazole	9.315	167	1418337	46.75	ppb	100
80) Di-n-butylphthalate	9.812	149	1666197	54.14	ppb	99
81) Fluoranthene	10.618	202	1545718	52.20	ppb	100
82) Octadecane	8.914	57	721672	50.48	ppb	96
84) Pyrene	10.939	202	1644181	51.66	ppb	100
85) Butyl stearate	12.109	56	512383	59.42	ppb	99
87) Butylbenzylphthalate	11.965	149	720337	54.56	ppb	98
88) Benzo[a]anthracene	12.723	228	1482094	51.44	ppb	100
89) 3,3'-Dichlorobenzidine	12.729	252	544634	55.20	ppb	99
90) Chrysene	12.777	228	1438023	50.84	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	986428	54.97	ppb	100
93) Di-n-octylphthalate	13.834	149	1653516	55.48	ppb	100
94) Benzo[b]fluoranthene	14.278	252	1537313	50.74	ppb	98
95) Benzo[k]fluoranthene	14.321	252	1526240	52.38	ppb	99
96) Benzo[a]pyrene	14.711	252	1364791	50.30	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.281	276	1367177	51.60	ppb	97
98) Dibenz(a,h)acridine	15.939	279	1222807	48.09	ppb	99
99) Dibenz[a,h]anthracene	16.324	278	1408466	52.28	ppb	99
100) 7,12-Dimethylbenz(a)an...	14.283	256	703212	57.05	ppb	99
101) Benzo[g,h,i]perylene	16.709	276	1342844	50.50	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	287147	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1122340	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	620563	40.00	ppb		-0.01
69) Phenanthrene-d10	8.989	188	1027959	40.00	ppb		-0.01
83) Chrysene-d12	12.734	240	1029902	40.00	ppb		-0.02
92) Perylene-d12	14.785	264	959991	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	287147	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1027959	40.00	ppb		-0.01
107) Chrysene-d12a	12.734	240	1029902	40.00	ppb		-0.02
110) Acenaphthene-d10a	7.189	164	620563	40.00	ppb		-0.01
112) Naphthalene-d8a	5.132	136	1122340	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.680	112	249451	26.59	ppb		0.00
Spiked Amount 50.000			Recovery = 53.18%				
8) Phenol-d5	3.439	99	309961	26.73	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.46%				
25) Nitrobenzene-d5	4.347	82	249398	26.54	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.08%				
51) 2-Fluorobiphenyl	6.398	172	491366	28.68	ppb		-0.01
Spiked Amount 50.000			Recovery = 57.36%				
73) 2,4,6-Tribromophenol	8.140	330	70436	26.46	ppb		-0.01
Spiked Amount 50.000			Recovery = 52.92%				
86) Terphenyl-d14	11.201	244	533632	26.56	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.12%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	111143	24.36	ppb		99
3) Pyridine	1.916	79	289494	23.27	ppb		99
4) N-Nitrosodimethylamine	1.884	74	170512	26.07	ppb		98
6) Indene	4.042	116	448764	28.03	ppb		99
7) Cumene	3.081	105	623847	25.18	ppb		99
9) Phenol	3.449	94	335171	26.14	ppb		89
10) Aniline	3.481	93	392151	31.74	ppb		96
11) bis(2-Chloroethyl)ether	3.524	93	238738	26.69	ppb		99
12) 2-Chlorophenol	3.593	128	274608	26.99	ppb		99
13) Decane	3.620	43	297242	27.98	ppb		93
14) 1,3-Dichlorobenzene	3.738	146	299121	28.65	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	300636	28.28	ppb		99
16) Benzyl alcohol	3.919	108	170179	26.53	ppb		97
17) 1,2-Dichlorobenzene	3.957	146	281559	28.31	ppb		100
18) Acetophenone	4.186	105	361223	26.07	ppb		96
19) 2-Methylphenol	4.037	108	235783	29.94	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.053	121	79123	29.05	ppb	#	86
21) 3&4-Methylphenol	4.192	108	251485	28.36	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.186	70	176963	28.88	ppb		97
23) Hexachloroethane	4.304	201	95737	27.81	ppb		91
26) Nitrobenzene	4.368	77	277994	28.07	ppb		98
27) Quinoline	5.538	129	519954	23.94	ppb		98
28) Isophorone	4.619	82	470435	28.30	ppb		98
29) 2-Nitrophenol	4.710	139	137488	27.03	ppb		86
30) 2,4-Dimethylphenol	4.769	107	229479	25.45	ppb		100
31) Benzoic Acid	4.886	105	88658m	11.46	ppb		
32) bis(2-Chloroethoxy)met...	4.865	93	273328	27.23	ppb		99
33) 2,4-Dichlorophenol	4.982	162	201990	27.16	ppb		96
34) 2,6-Dichlorophenol	5.234	162	197292	28.50	ppb		99
35) 1,3,5-Trichlorobenzene	4.721	180	247056	26.16	ppb		98
36) 1,2,4-Trichlorobenzene	5.068	180	236524	28.75	ppb		98
37) 1,2,3-Trichlorobenzene	5.324	180	235254	25.72	ppb		98
38) Naphthalene	5.153	128	774282	29.14	ppb		99
39) 4-Chloroaniline	5.228	127	327294	31.58	ppb		99
40) 2,3-Dichloroaniline	6.297	161	248640	25.55	ppb		98
41) Caprolactam	5.602	55	123880	22.05	ppb		98
42) Hexachlorobutadiene	5.308	225	127075	29.73	ppb		99
43) 4-Chloro-3-methylphenol	5.810	107	214371	26.26	ppb		99
44) 2-Methylnaphthalene	5.955	141	430900	28.72	ppb		97
45) 1-Methylnaphthalene	6.067	141	433425	25.86	ppb		99
46) Dimethylnaphthalene	6.697	156	445178	25.93	ppb		98
48) Hexachlorocyclopentadiene	6.152	237	258493	50.33	ppb		98
49) 2,4,6-Trichlorophenol	6.302	196	139243	26.91	ppb		100
50) 2,4,5-Trichlorophenol	6.345	196	148806	25.75	ppb		100
52) 2-Chloronaphthalene	6.526	162	467081	29.36	ppb		99
53) Biphenyl	6.510	154	604873	26.51	ppb		99
54) 2-Nitroaniline	6.665	65	136270	25.29	ppb		98
55) Dimethylphthalate	6.895	163	486381	26.51	ppb		99
56) Acenaphthylene	7.018	152	746556	28.06	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	111425	24.99	ppb		97
58) 3-Nitroaniline	7.157	138	136058	24.89	ppb		92
59) Acenaphthene	7.226	153	450718	28.20	ppb		100
60) 2,4-Dinitrophenol	7.280	184	104977	36.00	ppb		93
61) 4-Nitrophenol	7.397	109	57857	22.83	ppb	#	71
62) Dibenzofuran	7.440	168	632735	29.78	ppb		89
63) 2,4-Dinitrotoluene	7.435	165	152345	26.77	ppb		53
64) 2,3,4,6-Tetrachlorophenol	7.600	232	119238	25.32	ppb		99
65) Diethylphthalate	7.750	149	484404	26.51	ppb		99
66) Fluorene	7.846	166	505400	28.99	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	233102	29.16	ppb		98
68) 4-Nitroaniline	7.894	138	138965	24.92	ppb		96
70) 4,6-Dinitro-2-methylph...	7.926	198	76962	20.73	ppb		99
71) n-Nitrosodiphenylamine	8.006	169	338386	28.04	ppb		99
72) 1,2-Diphenylhydrazine	8.049	77	534818	29.00	ppb		94
74) 4-Bromophenyl-phenylether	8.450	248	133129	27.68	ppb		95
75) Hexachlorobenzene	8.519	284	162322	28.55	ppb		99
76) Pentachlorophenol	8.775	266	174088	48.79	ppb		98
77) Phenanthrene	9.021	178	747481	28.87	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	763622	29.27	ppb	100
79) Carbazole	9.310	167	708568	25.16	ppb	99
80) Di-n-butylphthalate	9.812	149	790842	26.60	ppb	99
81) Fluoranthene	10.618	202	763405	27.87	ppb	97
82) Octadecane	8.914	57	361723	28.38	ppb	94
84) Pyrene	10.934	202	817401	27.38	ppb	100
85) Butyl stearate	12.104	56	240906	27.48	ppb	95
87) Butylbenzylphthalate	11.965	149	333110	23.56	ppb	99
88) Benzo[a]anthracene	12.718	228	726493	26.45	ppb	100
89) 3,3'-Dichlorobenzidine	12.723	252	263283	27.14	ppb	97
90) Chrysene	12.771	228	716177	27.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	460646	23.36	ppb	99
93) Di-n-octylphthalate	13.829	149	726850	21.31	ppb	98
94) Benzo[b]fluoranthene	14.273	252	756435m	25.45	ppb	
95) Benzo[k]fluoranthene	14.310	252	747158	27.70	ppb	100
96) Benzo[a]pyrene	14.705	252	664028	25.85	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.276	276	631927	22.23	ppb	97
98) Dibenz(a,h)acridine	15.934	279	573798	21.53	ppb	99
99) Dibenz[a,h]anthracene	16.313	278	674199	25.01	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.278	256	331972	22.35	ppb	97
101) Benzo[g,h,i]perylene	16.698	276	653682	24.80	ppb	98

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

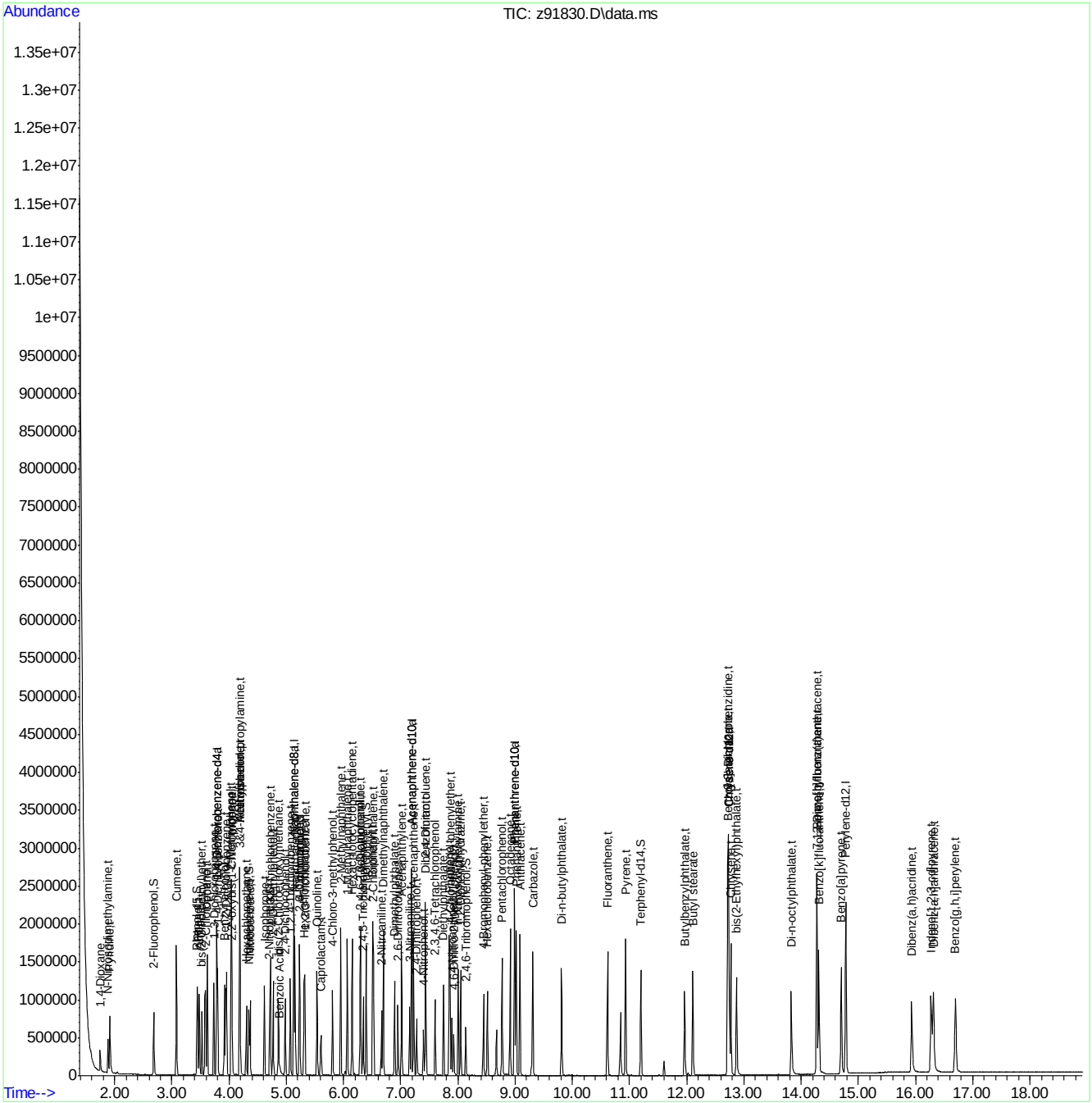
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration



Manual Integration Approval Summary

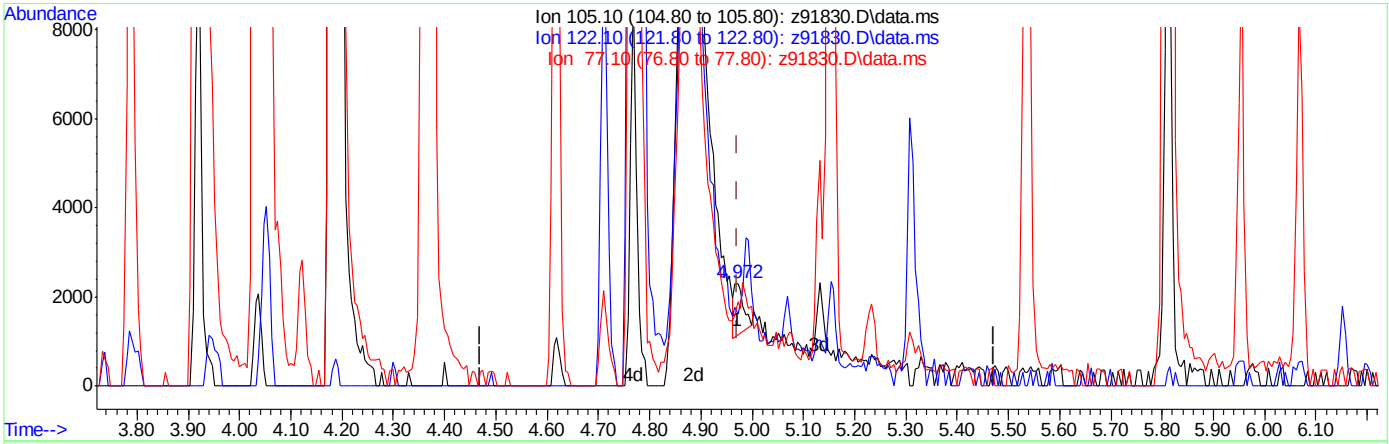
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91830.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 12:37	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

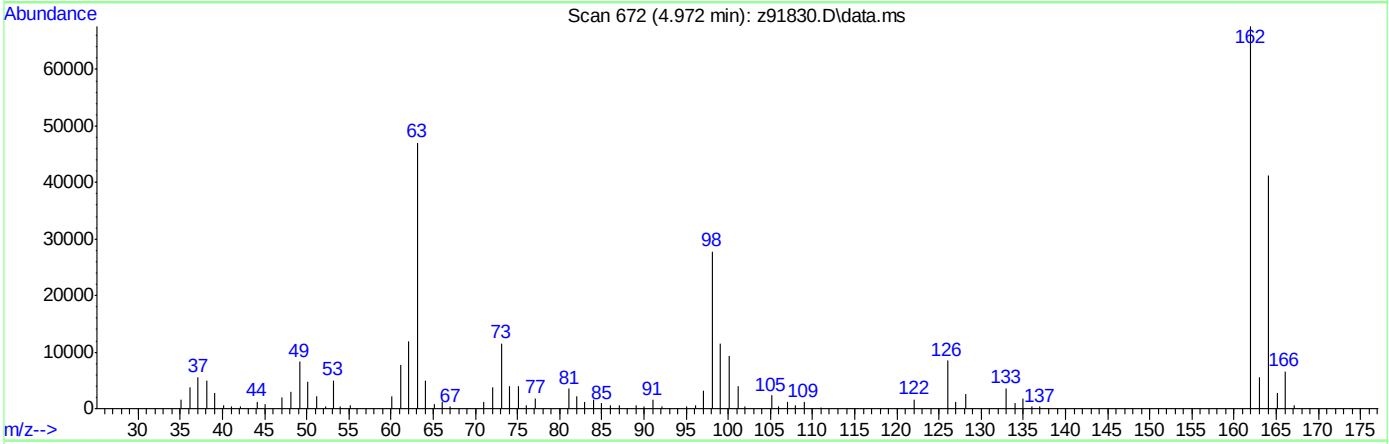
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.89	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		14.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:57:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(31) Benzoic Acid

4.972min (+0.000) 0.19ppb

response 1469

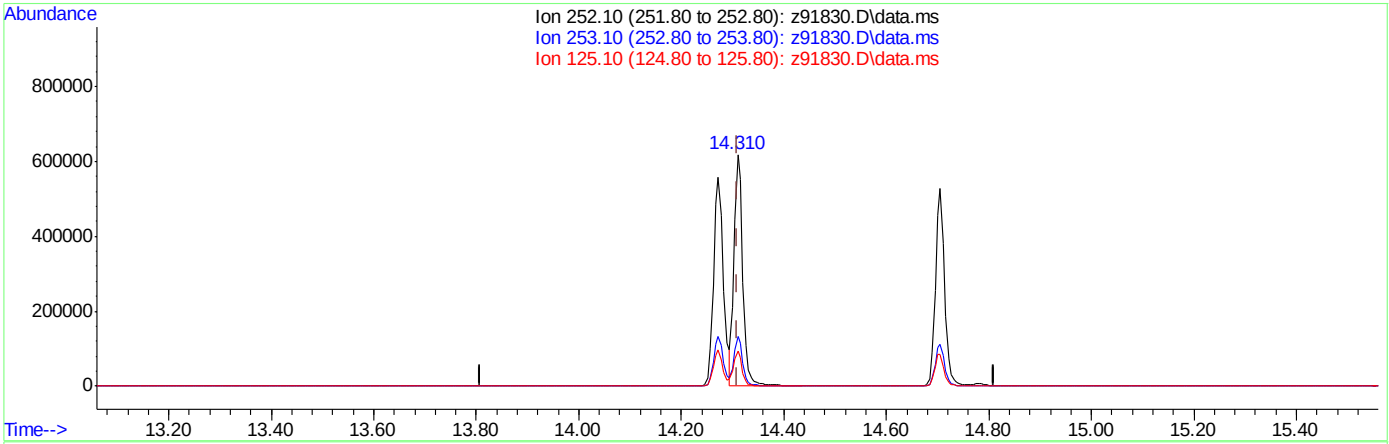
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	243.91#
77.10	33.90	103.13#
0.00	0.00	0.00

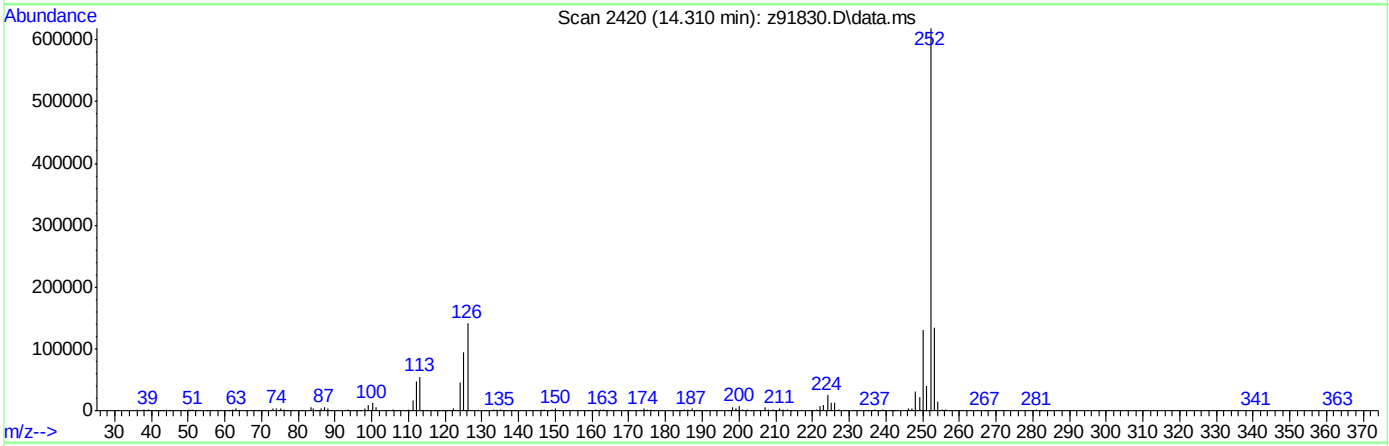
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:57:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(94) Benzo[b]fluoranthene (t)

14.310min (+0.000) 25.14ppb

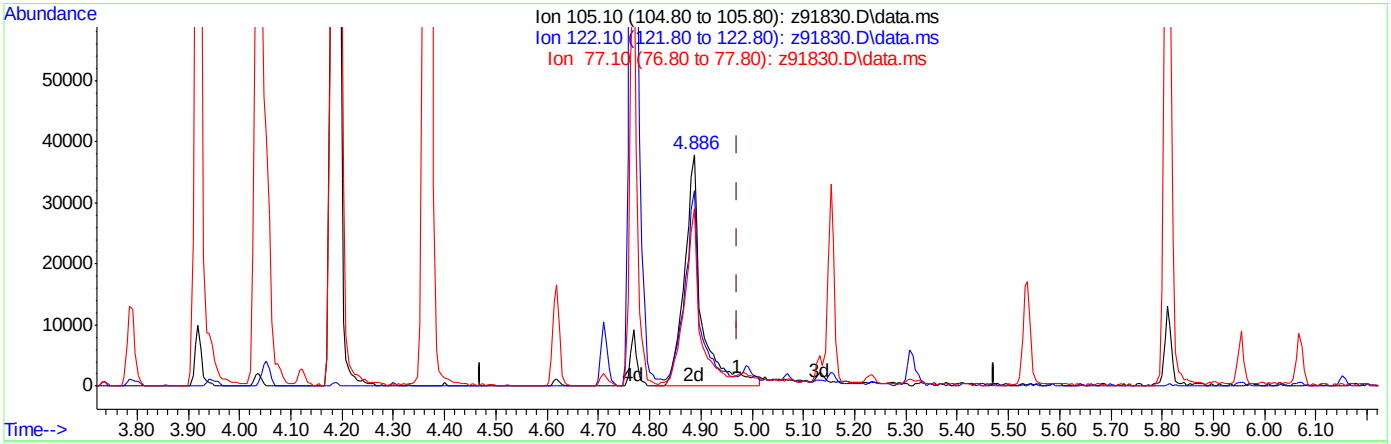
response 747158

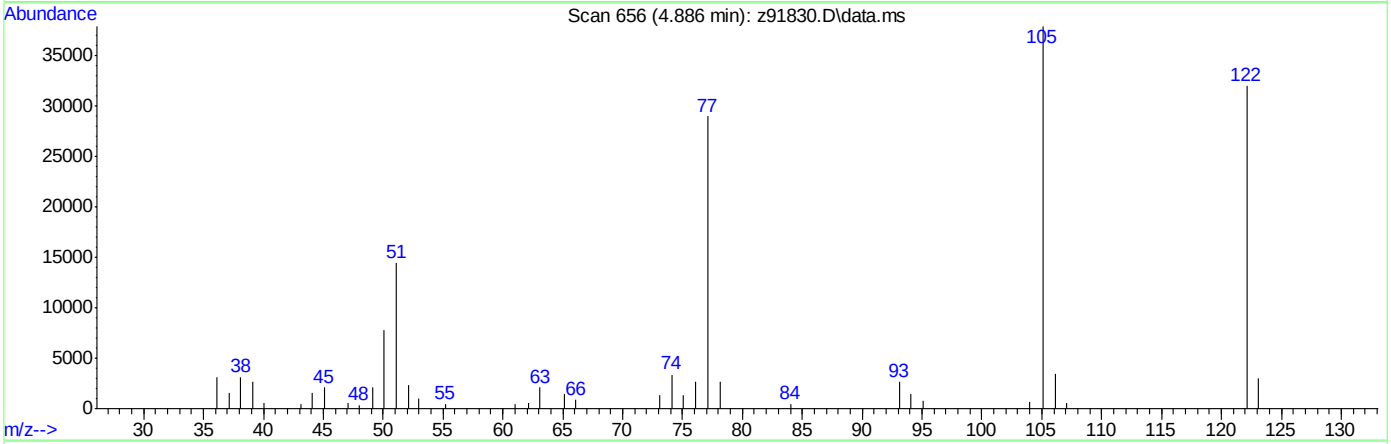
Ion	Exp%	Act%
252.10	100	100
253.10	24.00	21.54
125.10	17.10	14.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(31) Benzoic Acid

4.886min (-0.085) 11.46ppb m

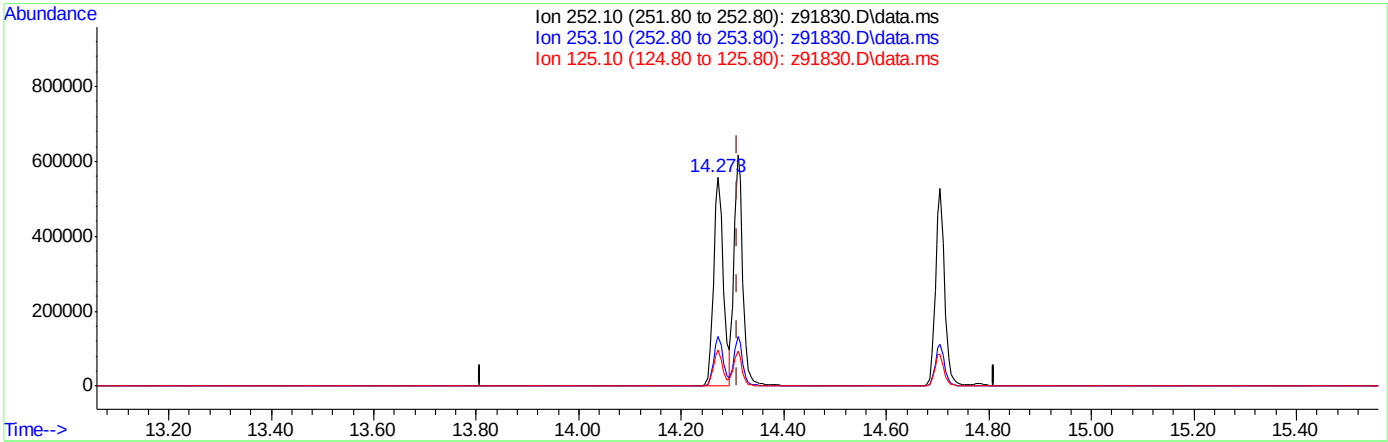
response 88658

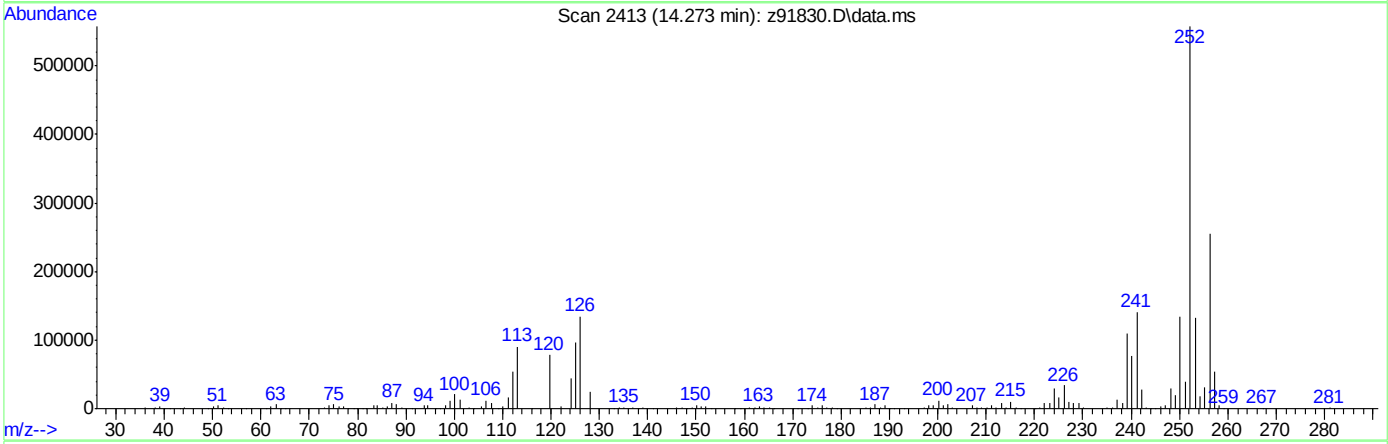
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	4.04#
77.10	33.90	1.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(94) Benzo[b]fluoranthene (t)

14.273min (-0.037) 25.45ppb m

response 756435

Ion	Exp%	Act%
252.10	100	100
253.10	24.00	23.87
125.10	17.10	17.37
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/02/14 08:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	388287	40.00	ppb	0.00
24) Naphthalene-d8	5.132	136	1540193	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	843469	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1450599	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1466686	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1338349	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	388287	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1450599	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1466686	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	843469	40.00	ppb	0.00
112) Naphthalene-d8a	5.132	136	1540193	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	12810	0.97	ppb	0.00
Spiked Amount 50.000			Recovery =	1.94%		
8) Phenol-d5	3.439	99	16617	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
25) Nitrobenzene-d5	4.347	82	13114	0.97	ppb	0.00
Spiked Amount 50.000			Recovery =	1.94%		
51) 2-Fluorobiphenyl	6.398	172	29042	1.13	ppb	0.00
Spiked Amount 50.000			Recovery =	2.26%		
73) 2,4,6-Tribromophenol	8.140	330	2519	0.67	ppb	0.00
Spiked Amount 50.000			Recovery =	1.34%		
86) Terphenyl-d14	11.195	244	27698	0.93	ppb	0.00
Spiked Amount 50.000			Recovery =	1.86%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.750	88	7669	1.21	ppb	94
3) Pyridine	1.921	79	17454	1.04	ppb	93
4) N-Nitrosodimethylamine	1.889	74	9303	1.01	ppb	96
6) Indene	4.042	116	29016	1.18	ppb	100
7) Cumene	3.081	105	40338	1.14	ppb	98
9) Phenol	3.449	94	20192	1.10	ppb	97
10) Aniline	3.481	93	22187	1.13	ppb	91
11) bis(2-Chloroethyl)ether	3.524	93	14026	1.10	ppb	96
12) 2-Chlorophenol	3.593	128	15789	1.09	ppb	97
13) Decane	3.620	43	20433	1.24	ppb	92
14) 1,3-Dichlorobenzene	3.732	146	16735	1.07	ppb	99
15) 1,4-Dichlorobenzene	3.802	146	18071	1.14	ppb	90
16) Benzyl alcohol	3.919	108	8248	0.90	ppb	86
17) 1,2-Dichlorobenzene	3.957	146	17197	1.16	ppb	99
18) Acetophenone	4.186	105	23262	1.15	ppb	96
19) 2-Methylphenol	4.037	108	13280	1.10	ppb	96
20) 2,2'-oxybis(1-Chloropr...	4.048	121	4595	1.10	ppb	93
21) 3&4-Methylphenol	4.192	108	13898	1.06	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.181	70	9451	1.02	ppb		85
23) Hexachloroethane	4.304	201	5180	1.03	ppb		84
26) Nitrobenzene	4.368	77	15328	1.04	ppb		99
27) Quinoline	5.533	129	30345	1.00	ppb		100
28) Isophorone	4.619	82	23555	0.95	ppb		99
29) 2-Nitrophenol	4.710	139	5961	0.82	ppb		88
30) 2,4-Dimethylphenol	4.769	107	10079	0.85	ppb		94
31) Benzoic Acid	5.132	105	1905	0.22	ppb	#	1
32) bis(2-Chloroethoxy)met...	4.865	93	15390	1.04	ppb		99
33) 2,4-Dichlorophenol	4.982	162	9994	0.93	ppb		96
34) 2,6-Dichlorophenol	5.234	162	9771	0.94	ppb		92
35) 1,3,5-Trichlorobenzene	4.721	180	16225	1.15	ppb		97
36) 1,2,4-Trichlorobenzene	5.068	180	13088	1.05	ppb		99
37) 1,2,3-Trichlorobenzene	5.319	180	15486	1.15	ppb		95
38) Naphthalene	5.153	128	48568	1.18	ppb		100
39) 4-Chloroaniline	5.223	127	16970	1.03	ppb		96
40) 2,3-Dichloroaniline	6.291	161	15034	1.07	ppb		97
41) Caprolactam	5.581	55	5906	0.80	ppb		97
42) Hexachlorobutadiene	5.308	225	7592	1.15	ppb		95
43) 4-Chloro-3-methylphenol	5.805	107	10563	0.92	ppb		90
44) 2-Methylnaphthalene	5.955	141	24727	1.09	ppb		93
45) 1-Methylnaphthalene	6.067	141	27127	1.10	ppb		96
46) Dimethylnaphthalene	6.692	156	26561	1.06	ppb		99
48) Hexachlorocyclopentadiene	6.152	237	9994	1.44	ppb		95
49) 2,4,6-Trichlorophenol	6.297	196	6467	0.88	ppb		99
50) 2,4,5-Trichlorophenol	6.345	196	6886	0.88	ppb		97
52) 2-Chloronaphthalene	6.526	162	26774	1.11	ppb		95
53) Biphenyl	6.510	154	38738	1.16	ppb		98
54) 2-Nitroaniline	6.660	65	5168	0.72	ppb		91
55) Dimethylphthalate	6.890	163	29237	1.12	ppb		99
56) Acenaphthylene	7.018	152	37068	0.95	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	3771	0.64	ppb		93
58) 3-Nitroaniline	7.157	138	5088	0.70	ppb		71
59) Acenaphthene	7.226	153	27591	1.16	ppb		96
61) 4-Nitrophenol	7.403	109	1628	0.48	ppb	#	79
62) Dibenzofuran	7.435	168	39673	1.22	ppb		87
63) 2,4-Dinitrotoluene	7.435	165	5087	0.65	ppb	#	19
64) 2,3,4,6-Tetrachlorophenol	7.600	232	4693	0.74	ppb		97
65) Diethylphthalate	7.744	149	25479	0.99	ppb		99
66) Fluorene	7.846	166	28587	1.10	ppb		97
67) 4-Chlorophenyl-phenyle...	7.862	204	13918	1.15	ppb		96
68) 4-Nitroaniline	7.889	138	4924	0.68	ppb		95
70) 4,6-Dinitro-2-methylph...	7.926	198	1171	0.24	ppb		79
71) n-Nitrosodiphenylamine	8.006	169	16985	0.93	ppb		95
72) 1,2-Diphenylhydrazine	8.049	77	26529	0.93	ppb		98
74) 4-Bromophenyl-phenylether	8.444	248	8188	1.13	ppb		92
75) Hexachlorobenzene	8.514	284	9049	1.04	ppb		97
76) Pentachlorophenol	8.775	266	4504	0.97	ppb		98
77) Phenanthrene	9.016	178	46613	1.15	ppb		98
78) Anthracene	9.080	178	39658	0.98	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	9.304	167	42415	1.04	ppb	99
80) Di-n-butylphthalate	9.812	149	34449	0.81	ppb	99
81) Fluoranthene	10.613	202	38805	0.95	ppb	98
82) Octadecane	8.914	57	16962	0.87	ppb	94
84) Pyrene	10.928	202	42281	0.95	ppb	95
85) Butyl stearate	12.104	56	5775	0.46	ppb	89
87) Butylbenzylphthalate	11.959	149	11169	0.60	ppb	92
88) Benzo[a]anthracene	12.718	228	39810	0.98	ppb	96
89) 3,3'-Dichlorobenzidine	12.723	252	9224	0.66	ppb	91
90) Chrysene	12.766	228	40410	1.02	ppb	97
91) bis(2-Ethylhexyl)phtha...	12.873	149	12556	0.49	ppb	97
93) Di-n-octylphthalate	13.829	149	15595	0.38	ppb	100
94) Benzo[b]fluoranthene	14.267	252	30354	0.74	ppb	94
95) Benzo[k]fluoranthene	14.305	252	43102m	1.08	ppb	
96) Benzo[a]pyrene	14.700	252	27738	0.75	ppb	95
97) Indeno[1,2,3-cd]pyrene	16.265	276	23799	0.66	ppb	99
98) Dibenz(a,h)acridine	15.934	279	25885m	0.76	ppb	
99) Dibenz[a,h]anthracene	16.308	278	30093m	0.82	ppb	
100) 7,12-Dimethylbenz(a)an...	14.267	256	3917	0.23	ppb	97
101) Benzo[g,h,i]perylene	16.687	276	30763m	0.85	ppb	

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

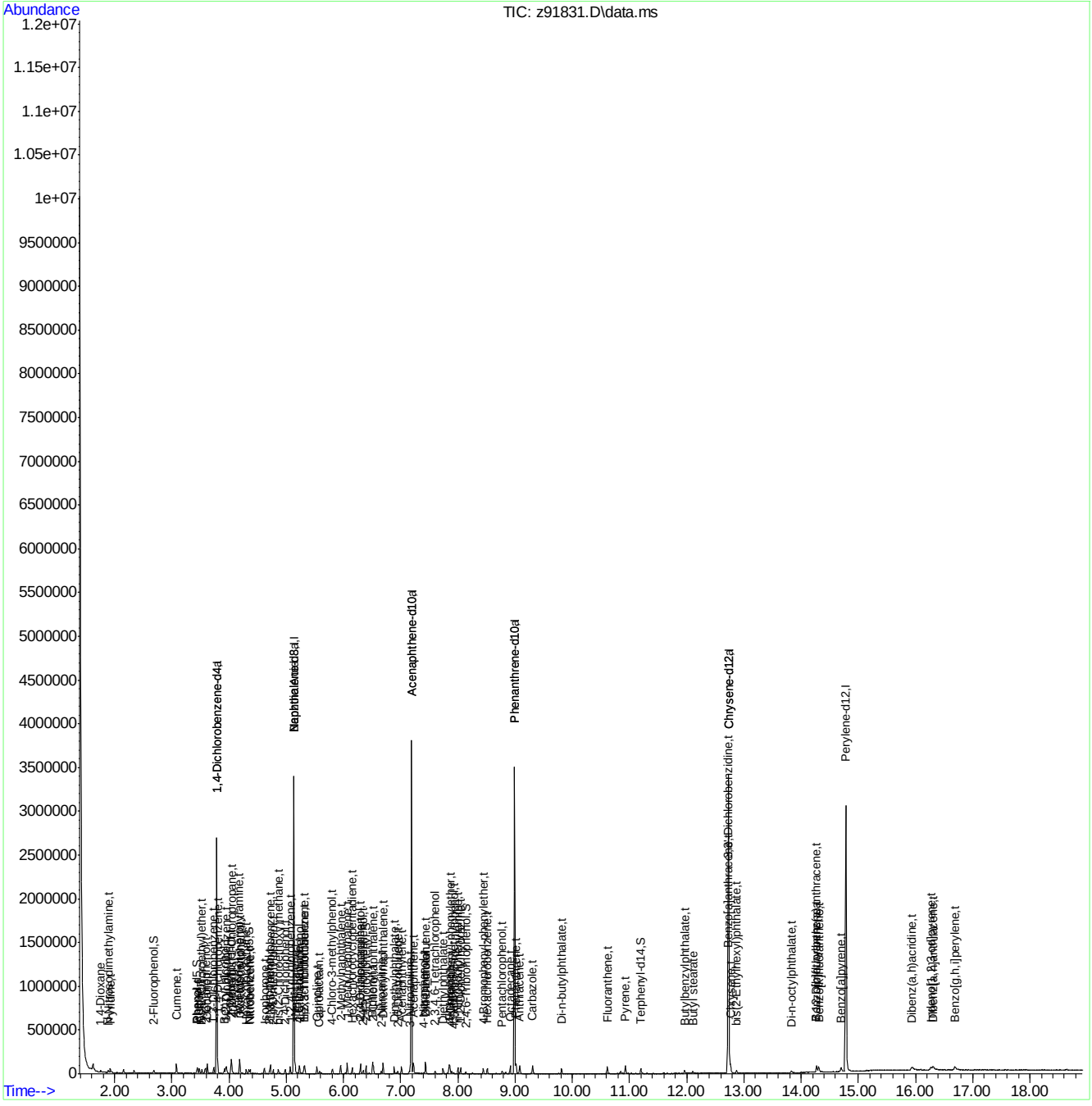
9.6.157

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration



MZ4569.M Tue May 27 09:53:17 2014 RTE Page: 4

Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91831.D
Injection Time: 05/24/14 13:03

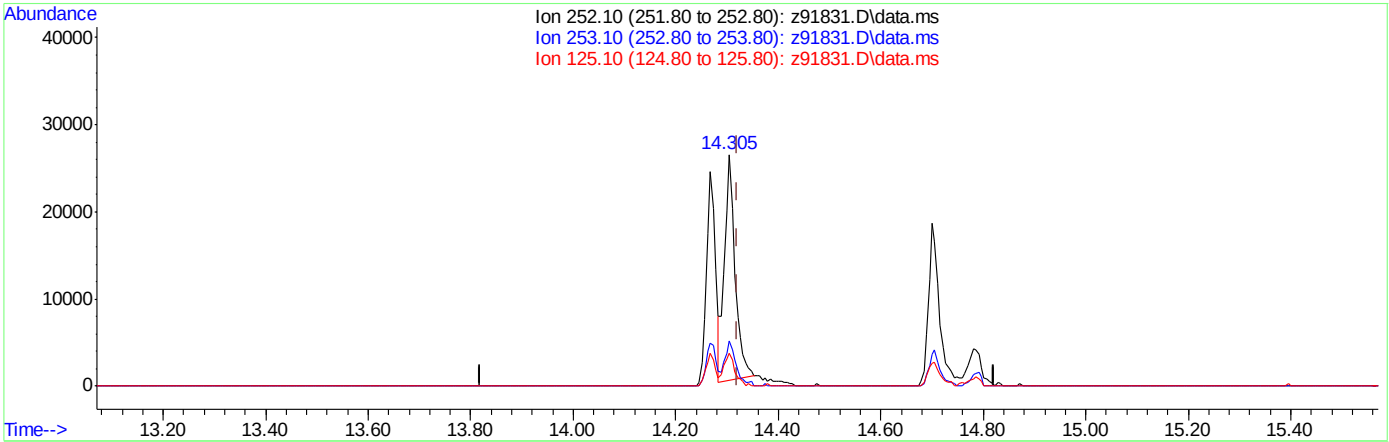
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 06/02/14 08:28 Cheng-Hwan Ao

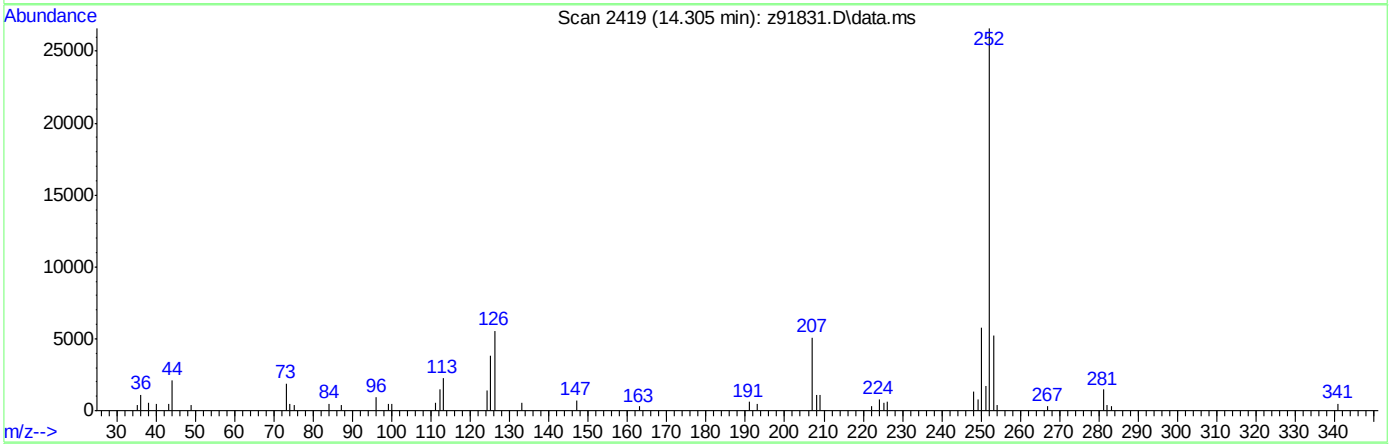
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		14.30	Poor instrument integration
Dibenz(a,h)acridine	226-36-8		15.93	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		16.31	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.69	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.305min (-0.016) 0.92ppb

response 36756

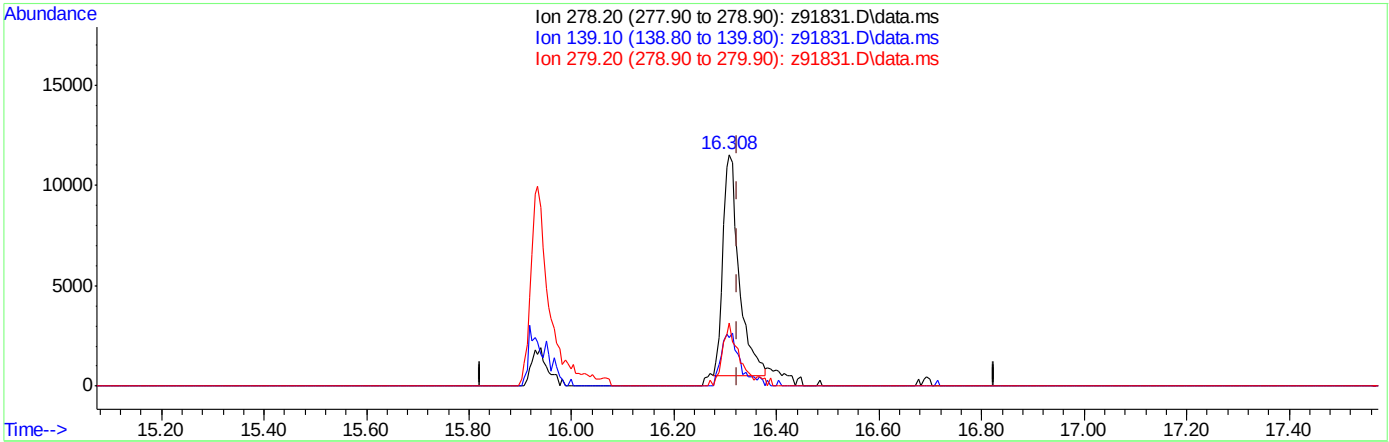
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.65
125.10	15.00	15.10
0.00	0.00	0.00

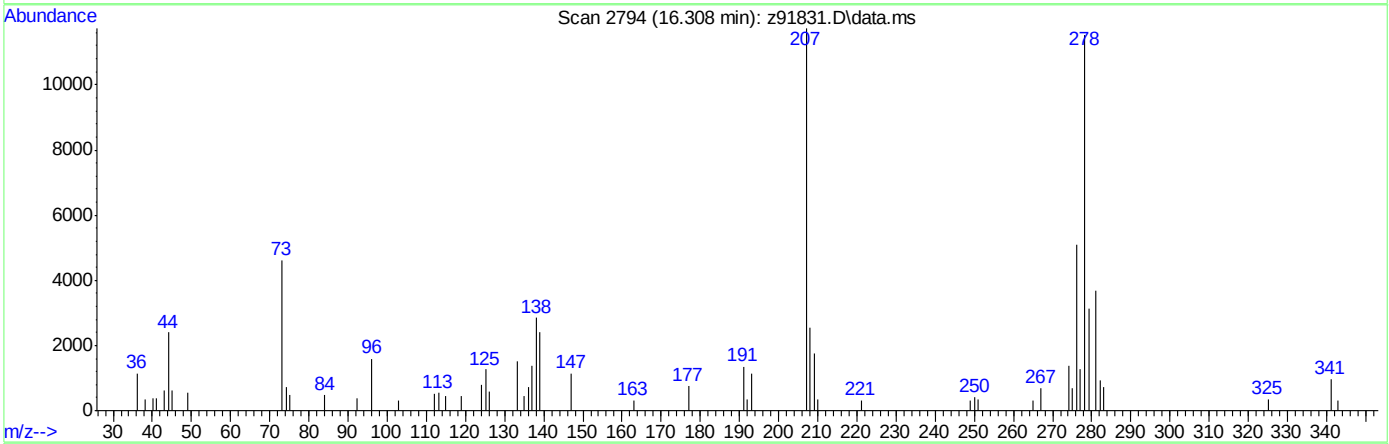
Z91831.D edits: Benzo[k]fluoranthene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(99) Dibenz[a,h]anthracene (t)

16.308min (-0.016) 0.65ppb

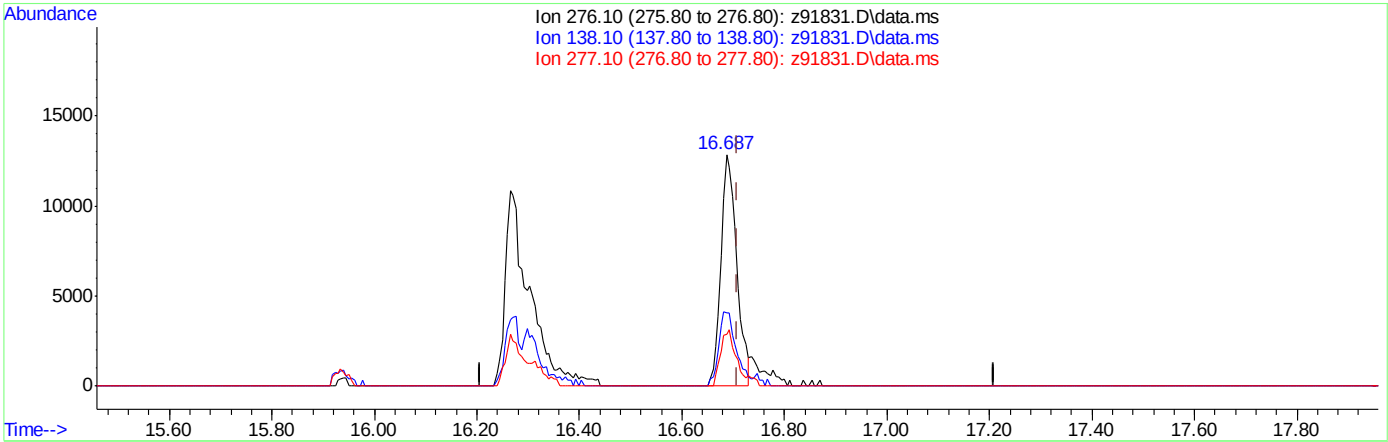
response 23966

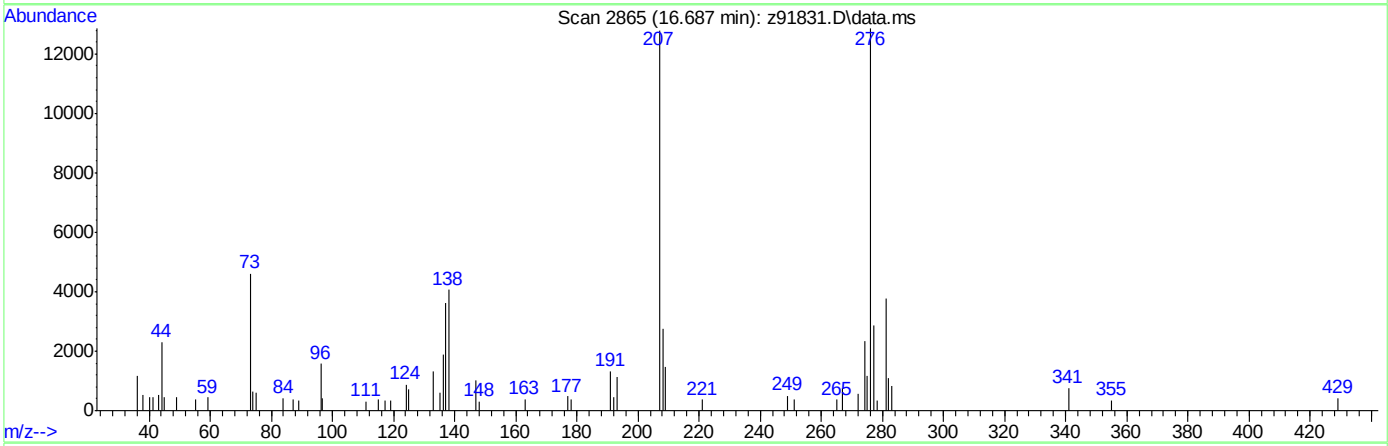
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	22.27
279.20	23.20	27.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(101) Benzo[g,h,i]perylene (t)

16.687min (-0.021) 0.76ppb

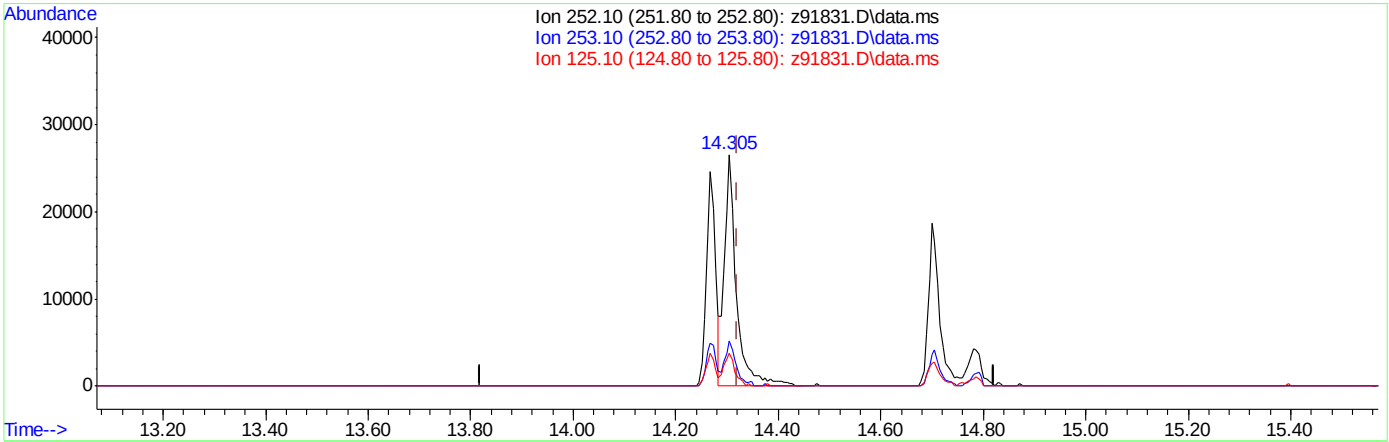
response 27386

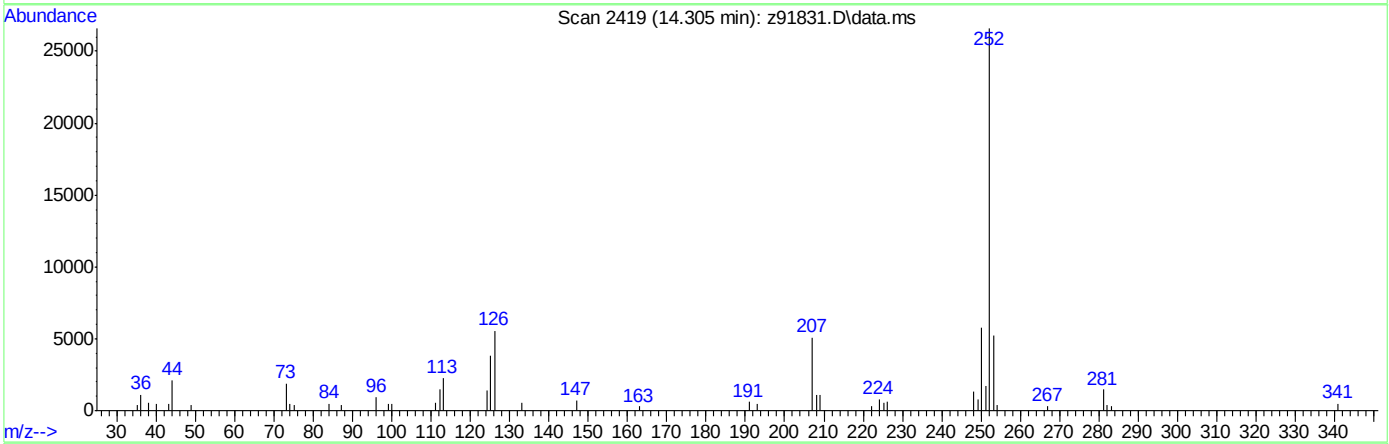
Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.44
277.10	23.60	21.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.305min (-0.016) 1.08ppb m

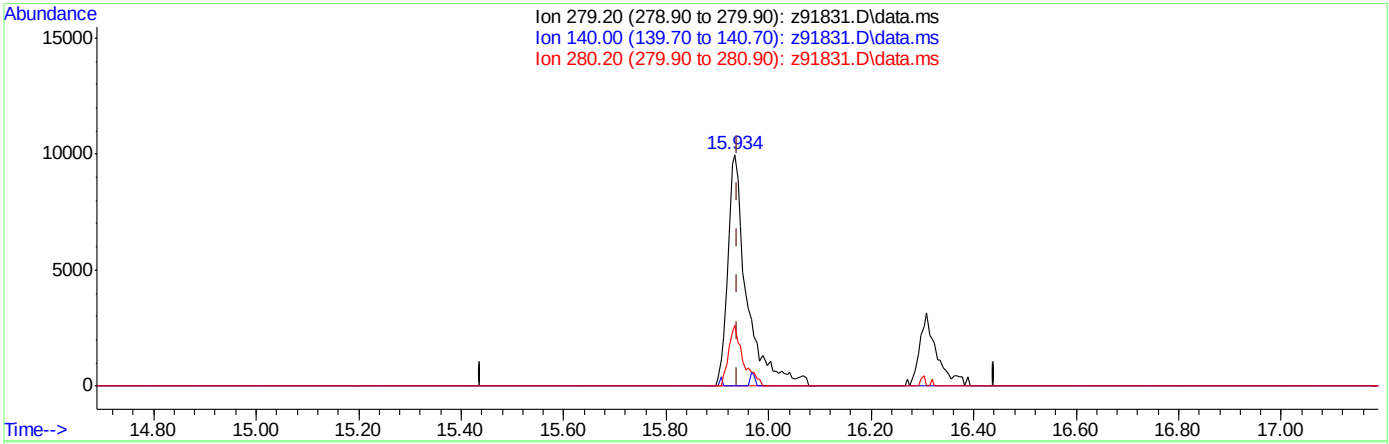
response 43102

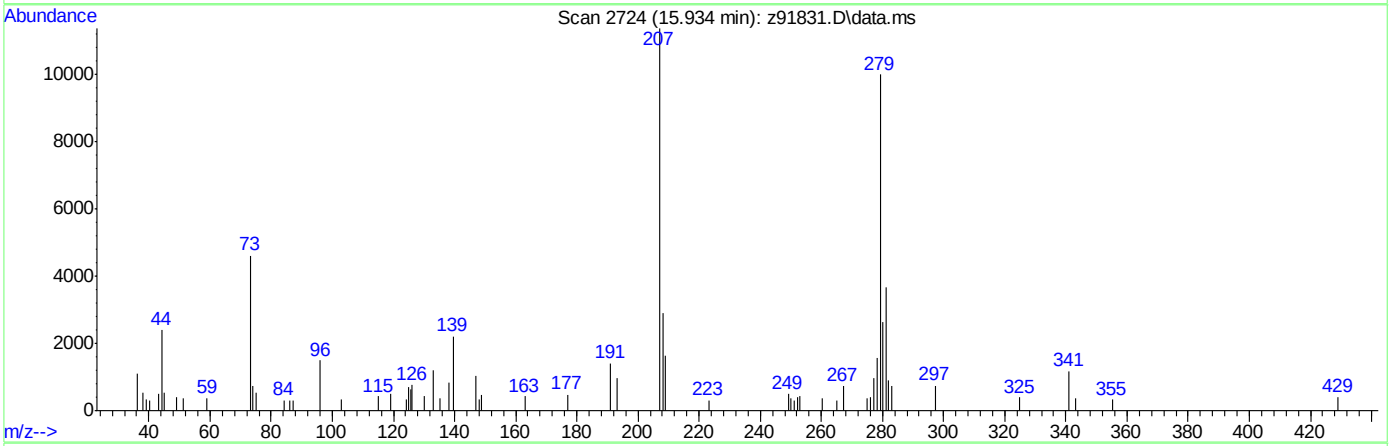
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.59
125.10	15.00	14.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(98) Dibenz(a,h)acridine (t)

15.934min (-0.005) 0.76ppb m

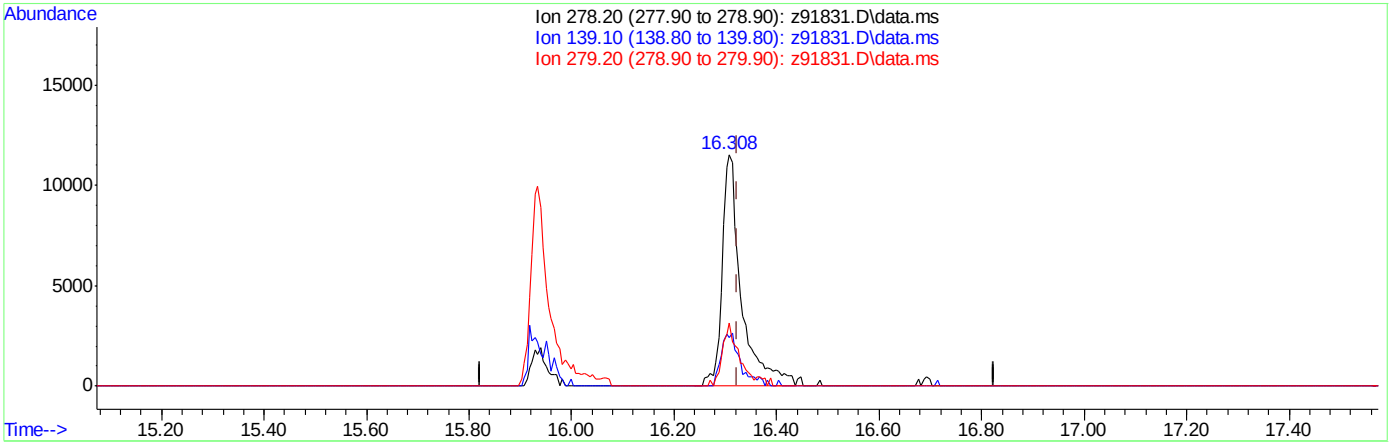
response 25885

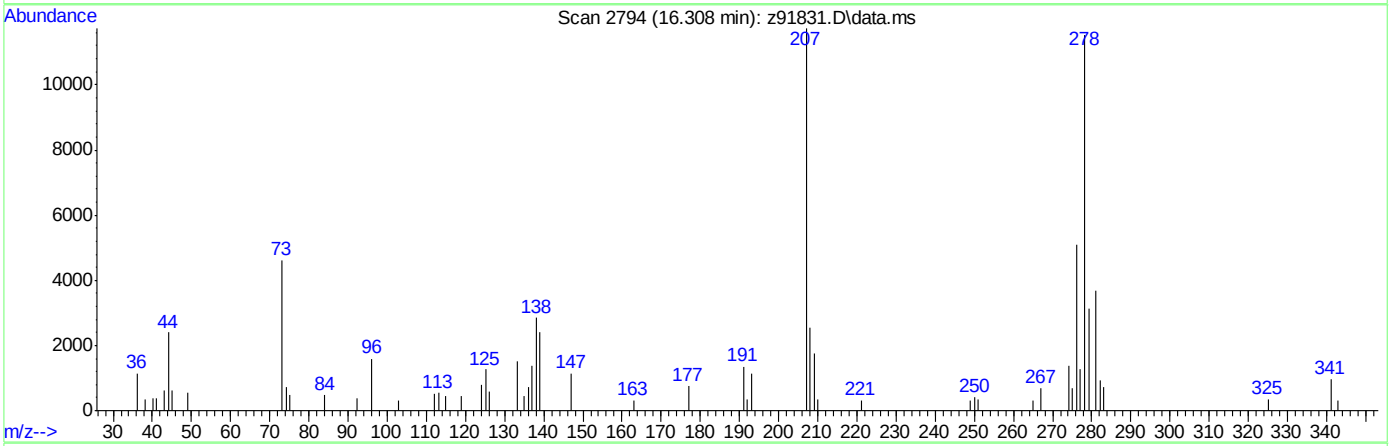
Ion	Exp%	Act%
279.20	100	100
140.00	0.00	0.00
280.20	22.30	26.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(99) Dibenz[a,h]anthracene (t)

16.308min (-0.016) 0.82ppb m

response 30093

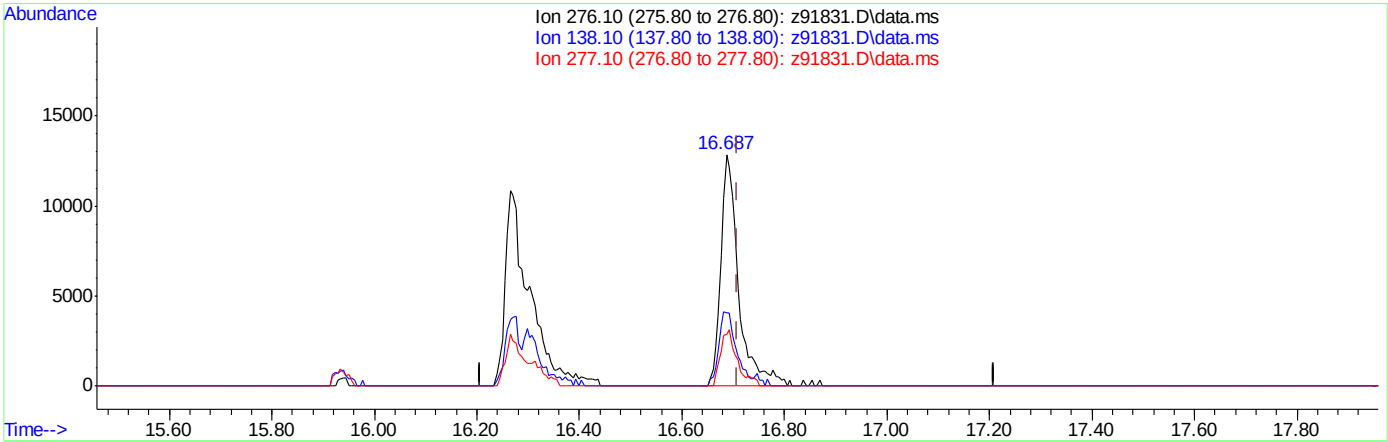
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	20.91
279.20	23.20	27.17
0.00	0.00	0.00

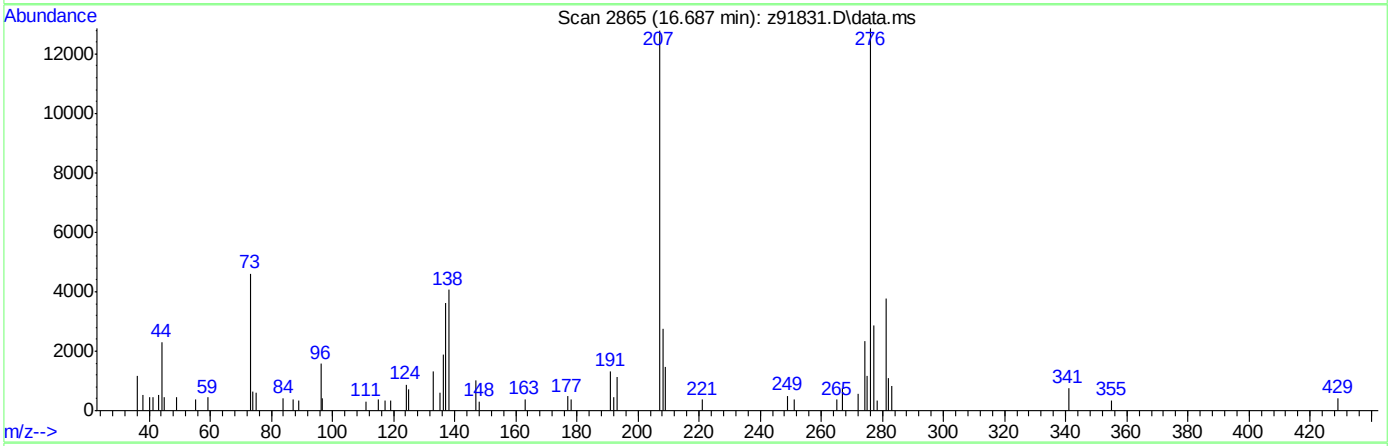
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(101) Benzo[g,h,i]perylene (t)

16.687min (-0.021) 0.85ppb m

response 30763

Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.57
277.10	23.60	22.42
0.00	0.00	0.00

9.6.157.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	380964	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1494153	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	822963	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1400354	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1437834	40.00	ppb		0.00
92) Perylene-d12	14.785	264	1292589	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	380964	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1400354	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1437834	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	822963	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1494153	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	66784	5.13	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.26%		
8) Phenol-d5	3.433	99	85603	5.22	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.44%		
25) Nitrobenzene-d5	4.347	82	68402	5.19	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.38%		
51) 2-Fluorobiphenyl	6.398	172	139143	5.33	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.66%		
73) 2,4,6-Tribromophenol	8.140	330	17077	4.99	ppb		0.00
Spiked Amount 50.000			Recovery	=	9.98%		
86) Terphenyl-d14	11.201	244	147539	5.10	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.20%		
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	34655	5.31	ppb		97
3) Pyridine	1.916	79	89545	5.30	ppb		99
4) N-Nitrosodimethylamine	1.889	74	47541	5.20	ppb		98
6) Indene	4.042	116	145294	5.63	ppb		98
7) Cumene	3.081	105	199801	5.48	ppb		99
9) Phenol	3.449	94	94521	5.14	ppb		91
10) Aniline	3.476	93	109989	5.50	ppb		89
11) bis(2-Chloroethyl)ether	3.524	93	68711	5.33	ppb		98
12) 2-Chlorophenol	3.593	128	77343	5.27	ppb		99
13) Decane	3.620	43	98154	5.63	ppb		90
14) 1,3-Dichlorobenzene	3.732	146	85164	5.39	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	86761	5.36	ppb		99
16) Benzyl alcohol	3.919	108	44505	5.04	ppb		99
17) 1,2-Dichlorobenzene	3.957	146	80395	5.30	ppb		99
18) Acetophenone	4.186	105	117957	5.59	ppb		94
19) 2-Methylphenol	4.037	108	67490	5.46	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.053	121	23264	5.46	ppb	#	86
21) 3&4-Methylphenol	4.192	108	70905	5.35	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.181	70	49817	5.36	ppb		90
23) Hexachloroethane	4.299	201	25906	5.18	ppb		95
26) Nitrobenzene	4.368	77	77385	5.32	ppb		99
27) Quinoline	5.533	129	159842	5.34	ppb		99
28) Isophorone	4.614	82	125956	5.24	ppb		99
29) 2-Nitrophenol	4.710	139	33833	4.96	ppb		87
30) 2,4-Dimethylphenol	4.769	107	53309	4.69	ppb		94
31) Benzoic Acid	4.849	105	7388	8.00	ppb	#	55
32) bis(2-Chloroethoxy)met...	4.865	93	77112	5.28	ppb		95
33) 2,4-Dichlorophenol	4.982	162	53217	5.11	ppb		97
34) 2,6-Dichlorophenol	5.234	162	54766	5.36	ppb		99
35) 1,3,5-Trichlorobenzene	4.721	180	82023	5.64	ppb		99
36) 1,2,4-Trichlorobenzene	5.068	180	67366	5.43	ppb		99
37) 1,2,3-Trichlorobenzene	5.324	180	76764	5.59	ppb		98
38) Naphthalene	5.153	128	224379	5.38	ppb		99
39) 4-Chloroaniline	5.223	127	89292	5.43	ppb		97
40) 2,3-Dichloroaniline	6.297	161	79646	5.58	ppb		97
41) Caprolactam	5.586	55	35386	5.10	ppb		96
42) Hexachlorobutadiene	5.308	225	36620	5.46	ppb		99
43) 4-Chloro-3-methylphenol	5.811	107	56990	5.15	ppb		96
44) 2-Methylnaphthalene	5.955	141	121152	5.35	ppb		99
45) 1-Methylnaphthalene	6.067	141	137207	5.50	ppb		98
46) Dimethylnaphthalene	6.692	156	140870	5.57	ppb		99
48) Hexachlorocyclopentadiene	6.152	237	64514	9.92	ppb		99
49) 2,4,6-Trichlorophenol	6.302	196	37774	5.29	ppb		96
50) 2,4,5-Trichlorophenol	6.345	196	38775	5.12	ppb		96
52) 2-Chloronaphthalene	6.526	162	132159	5.40	ppb		98
53) Biphenyl	6.510	154	194896	5.60	ppb		97
54) 2-Nitroaniline	6.660	65	32887	4.90	ppb		91
55) Dimethylphthalate	6.890	163	134562	5.15	ppb		100
56) Acenaphthylene	7.018	152	206711	5.37	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	25567	4.77	ppb		98
58) 3-Nitroaniline	7.157	138	34372	5.08	ppb		97
59) Acenaphthene	7.226	153	132570	5.45	ppb		99
60) 2,4-Dinitrophenol	7.280	184	15143	12.54	ppb		88
61) 4-Nitrophenol	7.397	109	12151	3.97	ppb	#	63
62) Dibenzofuran	7.435	168	183595	5.44	ppb		88
63) 2,4-Dinitrotoluene	7.435	165	37912	5.18	ppb		55
64) 2,3,4,6-Tetrachlorophenol	7.600	232	29737	4.85	ppb		97
65) Diethylphthalate	7.744	149	131584	5.17	ppb		99
66) Fluorene	7.846	166	143018	5.42	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	66424	5.38	ppb		97
68) 4-Nitroaniline	7.889	138	34794	5.13	ppb		95
70) 4,6-Dinitro-2-methylph...	7.921	198	13535	3.01	ppb		87
71) n-Nitrosodiphenylamine	8.006	169	94576	5.33	ppb		100
72) 1,2-Diphenylhydrazine	8.049	77	144672	5.24	ppb		97
74) 4-Bromophenyl-phenylether	8.450	248	37295	5.19	ppb		100
75) Hexachlorobenzene	8.514	284	45224	5.27	ppb		95
76) Pentachlorophenol	8.770	266	38929	9.52	ppb		98
77) Phenanthrene	9.016	178	219188	5.38	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.080	178	212121	5.37	ppb	100
79) Carbazole	9.310	167	226156	5.53	ppb	98
80) Di-n-butylphthalate	9.812	149	201914	5.03	ppb	99
81) Fluoranthene	10.613	202	210043	5.30	ppb	99
82) Octadecane	8.914	57	107178	5.57	ppb	94
84) Pyrene	10.928	202	228638	5.22	ppb	97
85) Butyl stearate	12.104	56	52515	4.44	ppb	94
87) Butylbenzylphthalate	11.959	149	77324	4.37	ppb	95
88) Benzo[a]anthracene	12.718	228	199986	5.06	ppb	98
89) 3,3'-Dichlorobenzidine	12.723	252	63349	4.87	ppb	97
90) Chrysene	12.766	228	204864	5.22	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	102686	4.28	ppb	99
93) Di-n-octylphthalate	13.829	149	157973	4.98	ppb	96
94) Benzo[b]fluoranthene	14.267	252	197976	5.14	ppb	98
95) Benzo[k]fluoranthene	14.305	252	214104	5.38	ppb	100
96) Benzo[a]pyrene	14.700	252	169877	4.96	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.265	276	162398	4.92	ppb	99
98) Dibenz(a,h)acridine	15.934	279	164780	5.13	ppb	100
99) Dibenz[a,h]anthracene	16.308	278	176927	5.08	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.267	256	45497	5.23	ppb	99
101) Benzo[g,h,i]perylene	16.687	276	178027	5.18	ppb	100

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

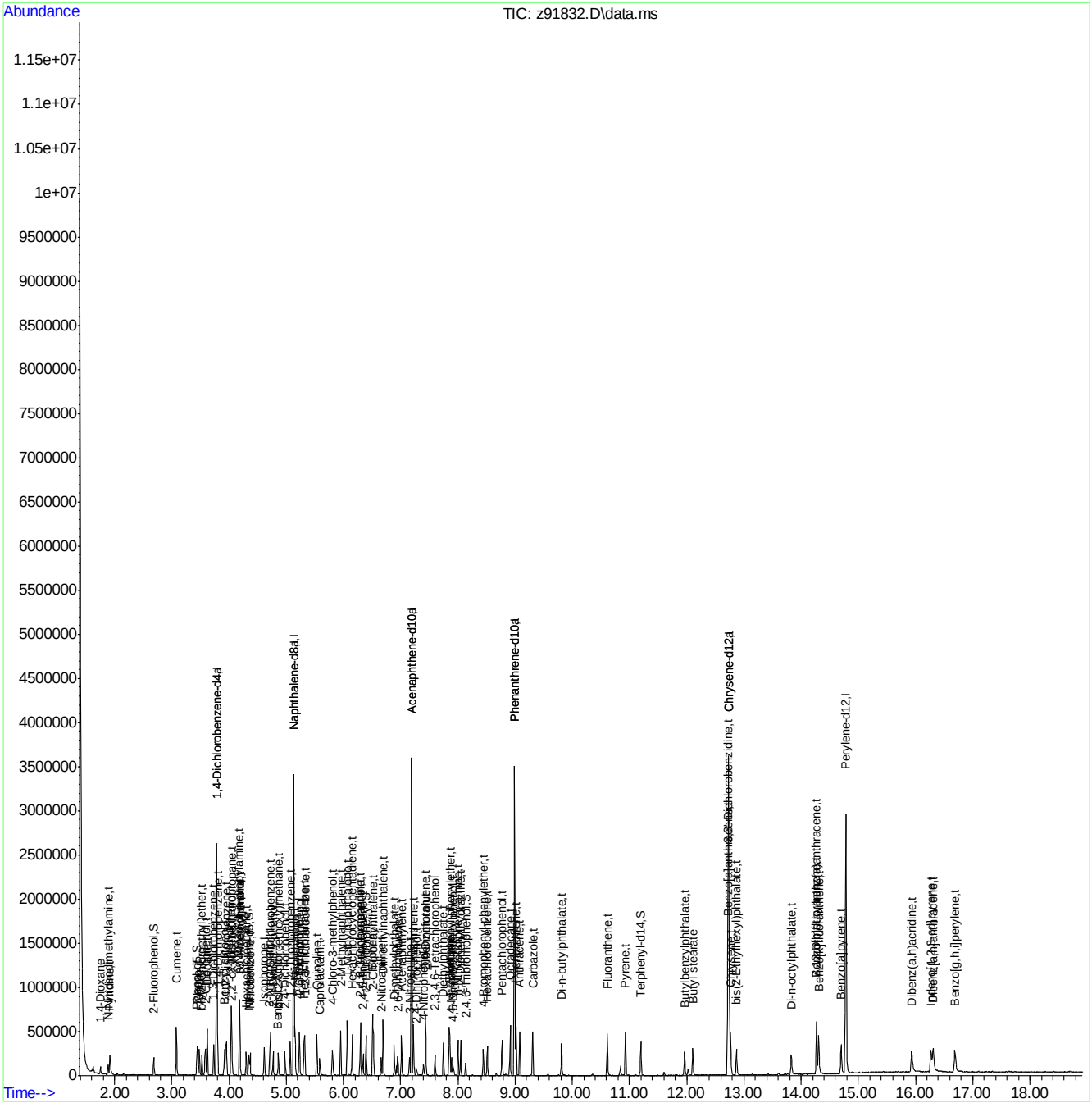
9.6.158

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	348443	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1381184	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	750411	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1289705	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1322716	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1174861	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348443	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1289705	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1322716	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	750411	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1381184	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.680	112	120646	10.13	ppb		0.00
Spiked Amount 50.000			Recovery = 20.26%				
8) Phenol-d5	3.433	99	151559	10.11	ppb		0.00
Spiked Amount 50.000			Recovery = 20.22%				
25) Nitrobenzene-d5	4.347	82	121593	9.99	ppb		0.00
Spiked Amount 50.000			Recovery = 19.98%				
51) 2-Fluorobiphenyl	6.398	172	249372	10.48	ppb		0.00
Spiked Amount 50.000			Recovery = 20.96%				
73) 2,4,6-Tribromophenol	8.140	330	31992	10.15	ppb		0.00
Spiked Amount 50.000			Recovery = 20.30%				
86) Terphenyl-d14	11.196	244	268365	10.09	ppb		0.00
Spiked Amount 50.000			Recovery = 20.18%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	61170	10.25	ppb		100
3) Pyridine	1.916	79	161376	10.44	ppb		98
4) N-Nitrosodimethylamine	1.884	74	85107	10.19	ppb		97
6) Indene	4.042	116	258922	10.97	ppb		99
7) Cumene	3.081	105	355167	10.64	ppb		100
9) Phenol	3.449	94	169341	10.06	ppb		91
10) Aniline	3.481	93	182669	9.99	ppb		96
11) bis(2-Chloroethyl)ether	3.524	93	118872	10.08	ppb		99
12) 2-Chlorophenol	3.594	128	137529	10.25	ppb		98
13) Decane	3.620	43	172025	10.78	ppb		91
14) 1,3-Dichlorobenzene	3.738	146	149983	10.38	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	150523	10.17	ppb		98
16) Benzyl alcohol	3.919	108	81427	10.08	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	142814	10.29	ppb		100
18) Acetophenone	4.186	105	207710	10.77	ppb		95
19) 2-Methylphenol	4.037	108	119609	10.59	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.053	121	40744	10.45	ppb	#	82
21) 3&4-Methylphenol	4.192	108	129709	10.69	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.181	70	88494	10.41	ppb		90
23) Hexachloroethane	4.304	201	47006	10.27	ppb		88
26) Nitrobenzene	4.368	77	135734	10.09	ppb		98
27) Quinoline	5.533	129	286922	10.37	ppb		100
28) Isophorone	4.614	82	225965	10.17	ppb		98
29) 2-Nitrophenol	4.710	139	63736	10.12	ppb		88
30) 2,4-Dimethylphenol	4.769	107	102240	9.73	ppb		99
31) Benzoic Acid	4.860	105	22863	3.89	ppb	#	58
32) bis(2-Chloroethoxy)met...	4.865	93	137685	10.19	ppb		98
33) 2,4-Dichlorophenol	4.977	162	99384	10.32	ppb		99
34) 2,6-Dichlorophenol	5.234	162	100151	10.60	ppb		99
35) 1,3,5-Trichlorobenzene	4.721	180	142844	10.63	ppb		98
36) 1,2,4-Trichlorobenzene	5.068	180	118452	10.32	ppb		98
37) 1,2,3-Trichlorobenzene	5.324	180	133363	10.50	ppb		98
38) Naphthalene	5.153	128	393051	10.20	ppb		99
39) 4-Chloroaniline	5.228	127	159024	10.47	ppb		99
40) 2,3-Dichloroaniline	6.297	161	142135	10.78	ppb		98
41) Caprolactam	5.592	55	65446	10.20	ppb		95
42) Hexachlorobutadiene	5.308	225	63201	10.19	ppb		98
43) 4-Chloro-3-methylphenol	5.811	107	102183	9.98	ppb		95
44) 2-Methylnaphthalene	5.955	141	215826	10.31	ppb		98
45) 1-Methylnaphthalene	6.067	141	246324	10.68	ppb		99
46) Dimethylnaphthalene	6.692	156	250244	10.71	ppb		97
48) Hexachlorocyclopentadiene	6.152	237	126261	21.28	ppb		99
49) 2,4,6-Trichlorophenol	6.302	196	69302	10.64	ppb		98
50) 2,4,5-Trichlorophenol	6.345	196	71616	10.37	ppb		96
52) 2-Chloronaphthalene	6.526	162	232687	10.42	ppb		97
53) Biphenyl	6.510	154	348852	10.99	ppb		98
54) 2-Nitroaniline	6.660	65	62798	10.26	ppb		86
55) Dimethylphthalate	6.890	163	243879	10.23	ppb		99
56) Acenaphthylene	7.018	152	371219	10.58	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	50377	10.31	ppb		98
58) 3-Nitroaniline	7.157	138	61961	10.04	ppb		97
59) Acenaphthene	7.226	153	229487	10.34	ppb		99
60) 2,4-Dinitrophenol	7.280	184	37967	21.20	ppb		95
61) 4-Nitrophenol	7.397	109	25720	9.21	ppb	#	78
62) Dibenzofuran	7.435	168	322688	10.48	ppb		87
63) 2,4-Dinitrotoluene	7.435	165	72166	10.82	ppb		55
64) 2,3,4,6-Tetrachlorophenol	7.600	232	56947	10.18	ppb		97
65) Diethylphthalate	7.744	149	240711	10.37	ppb		99
66) Fluorene	7.846	166	252511	10.49	ppb		98
67) 4-Chlorophenyl-phenyle...	7.862	204	119446	10.60	ppb		99
68) 4-Nitroaniline	7.889	138	64014	10.34	ppb		100
70) 4,6-Dinitro-2-methylph...	7.921	198	30521	7.37	ppb		92
71) n-Nitrosodiphenylamine	8.006	169	168267	10.30	ppb		98
72) 1,2-Diphenylhydrazine	8.049	77	261058	10.27	ppb		96
74) 4-Bromophenyl-phenylether	8.450	248	66913	10.10	ppb		96
75) Hexachlorobenzene	8.519	284	80977	10.25	ppb		97
76) Pentachlorophenol	8.770	266	77145	19.20	ppb		97
77) Phenanthrene	9.021	178	386892	10.31	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	375513	10.33	ppb	99
79) Carbazole	9.304	167	401956	10.67	ppb	100
80) Di-n-butylphthalate	9.812	149	382808	10.35	ppb	100
81) Fluoranthene	10.613	202	377386	10.33	ppb	99
82) Octadecane	8.914	57	199420	11.26	ppb	94
84) Pyrene	10.928	202	409436	10.15	ppb	96
85) Butyl stearate	12.104	56	102757	9.44	ppb	96
87) Butylbenzylphthalate	11.959	149	150824	9.27	ppb	95
88) Benzo[a]anthracene	12.718	228	360526	9.91	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	123498	10.33	ppb	99
90) Chrysene	12.771	228	362519	10.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	206398	9.34	ppb	100
93) Di-n-octylphthalate	13.829	149	321229	9.95	ppb	98
94) Benzo[b]fluoranthene	14.267	252	369086	10.54	ppb	98
95) Benzo[k]fluoranthene	14.305	252	377874	10.45	ppb	99
96) Benzo[a]pyrene	14.700	252	321732	10.34	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.271	276	311595	10.39	ppb	97
98) Dibenz(a,h)acridine	15.929	279	310870	10.64	ppb	99
99) Dibenz[a,h]anthracene	16.308	278	329853	10.43	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.273	256	118704	8.71	ppb	96
101) Benzo[g,h,i]perylene	16.693	276	323624	10.35	ppb	96

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

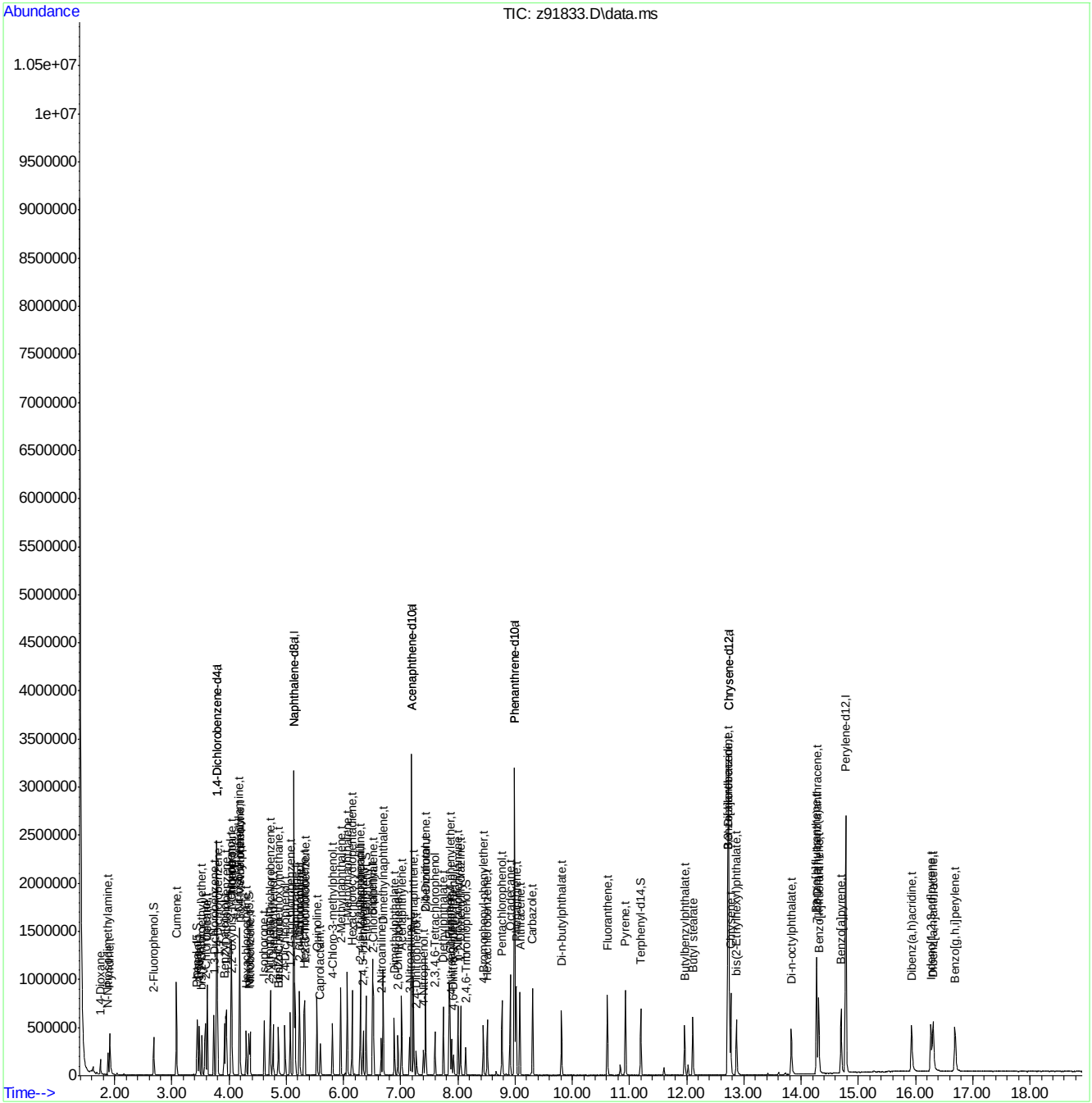
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

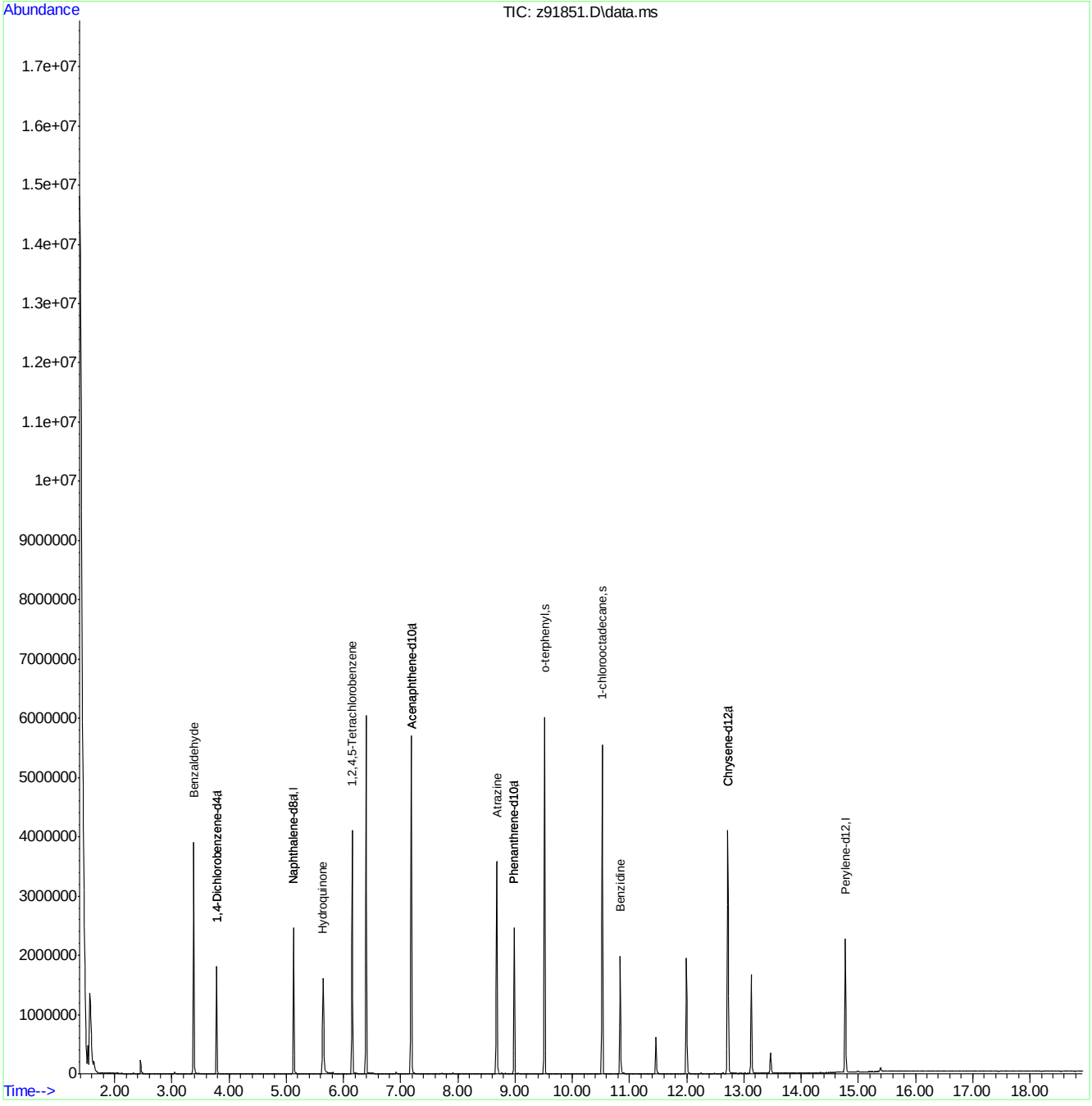
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	266639	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1071748	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	559571	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1000276	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1012159	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	953261	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	266639	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1000276	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1012159	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	559571	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1071748	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.518	230	1379606	135.49	ppb	0.00
Spiked Amount 50.000			Recovery =	270.98%		
109) 1-chlorooctadecane	10.528	57	845609	129.61	ppb	0.00
Spiked Amount 50.000			Recovery =	259.22%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	684590	131.97	ppb	86
105) Atrazine	8.685	215	260088	135.59	ppb #	77
108) Benzidine	10.837	184	875234	129.70	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	725743	138.03	ppb	98
113) Hydroquinone	5.645	110	1000859	127.80	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91852.D
Acq On : 27 May 2014 11:54 am
Operator : ashleyv
Sample : IC4571-80
Misc : op73791,ez4571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

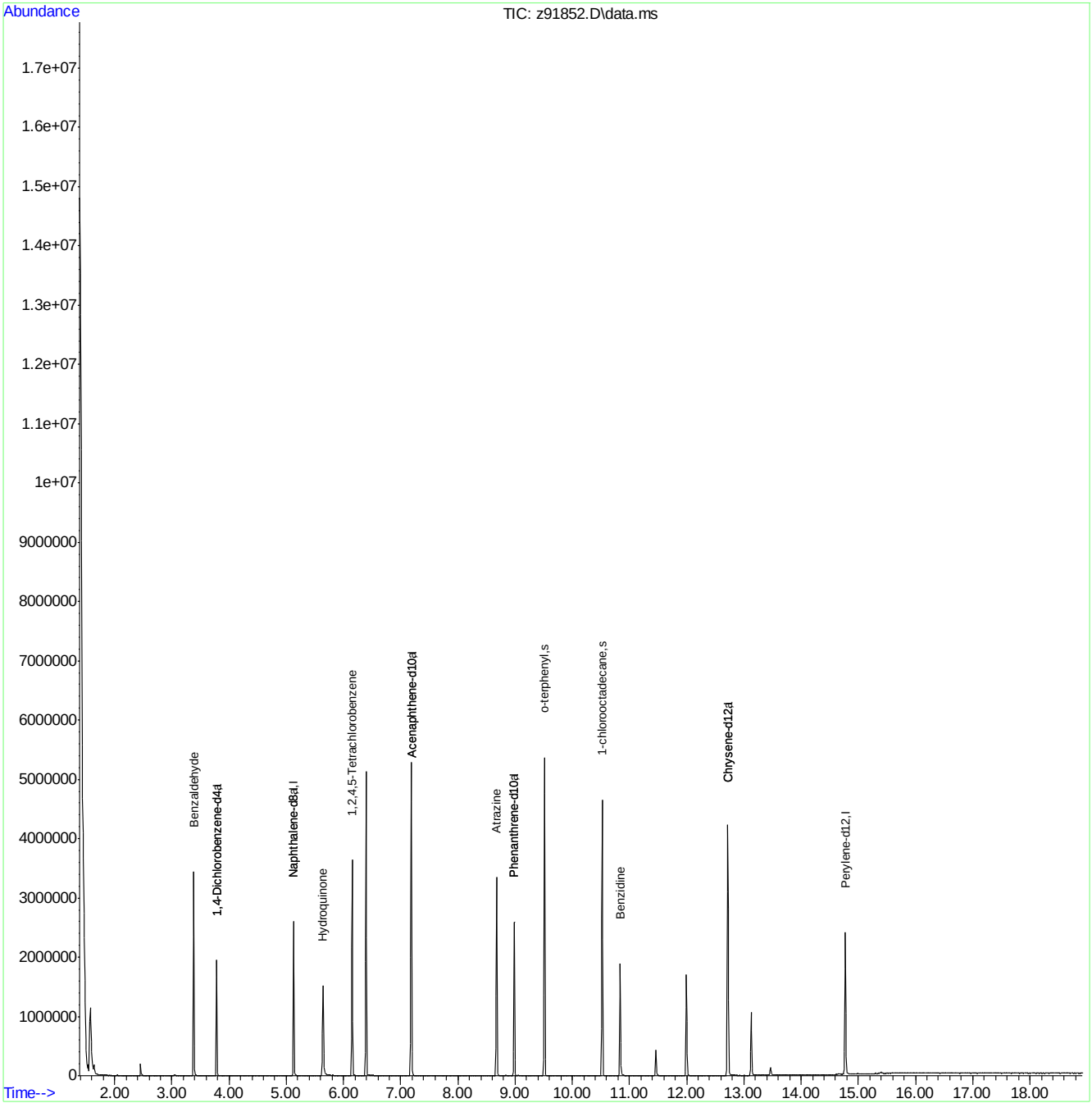
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	281976	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1135711	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	601679	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1051655	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1065853	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	998785	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	281976	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1051655	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1065853	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	601679	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1135711	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.513	230	1189924	111.15	ppb	0.00
Spiked Amount 50.000			Recovery =	222.30%		
109) 1-chlorooctadecane	10.528	57	725207	105.56	ppb	0.00
Spiked Amount 50.000			Recovery =	211.12%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	601832	109.71	ppb	85
105) Atrazine	8.679	215	221872	110.02	ppb #	77
108) Benzidine	10.837	184	814793	114.66	ppb	99
111) 1,2,4,5-Tetrachloroben...	6.152	216	631600	111.71	ppb	99
113) Hydroquinone	5.639	110	837998	100.97	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91852.D
Acq On : 27 May 2014 11:54 am
Operator : ashleyv
Sample : IC4571-80
Misc : op73791,ez4571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91853.D
Acq On : 27 May 2014 12:19 pm
Operator : ashleyv
Sample : ICC4571-50
Misc : op73791,ez4571
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 15:16:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 15:11:47 2014
Response via : Initial Calibration

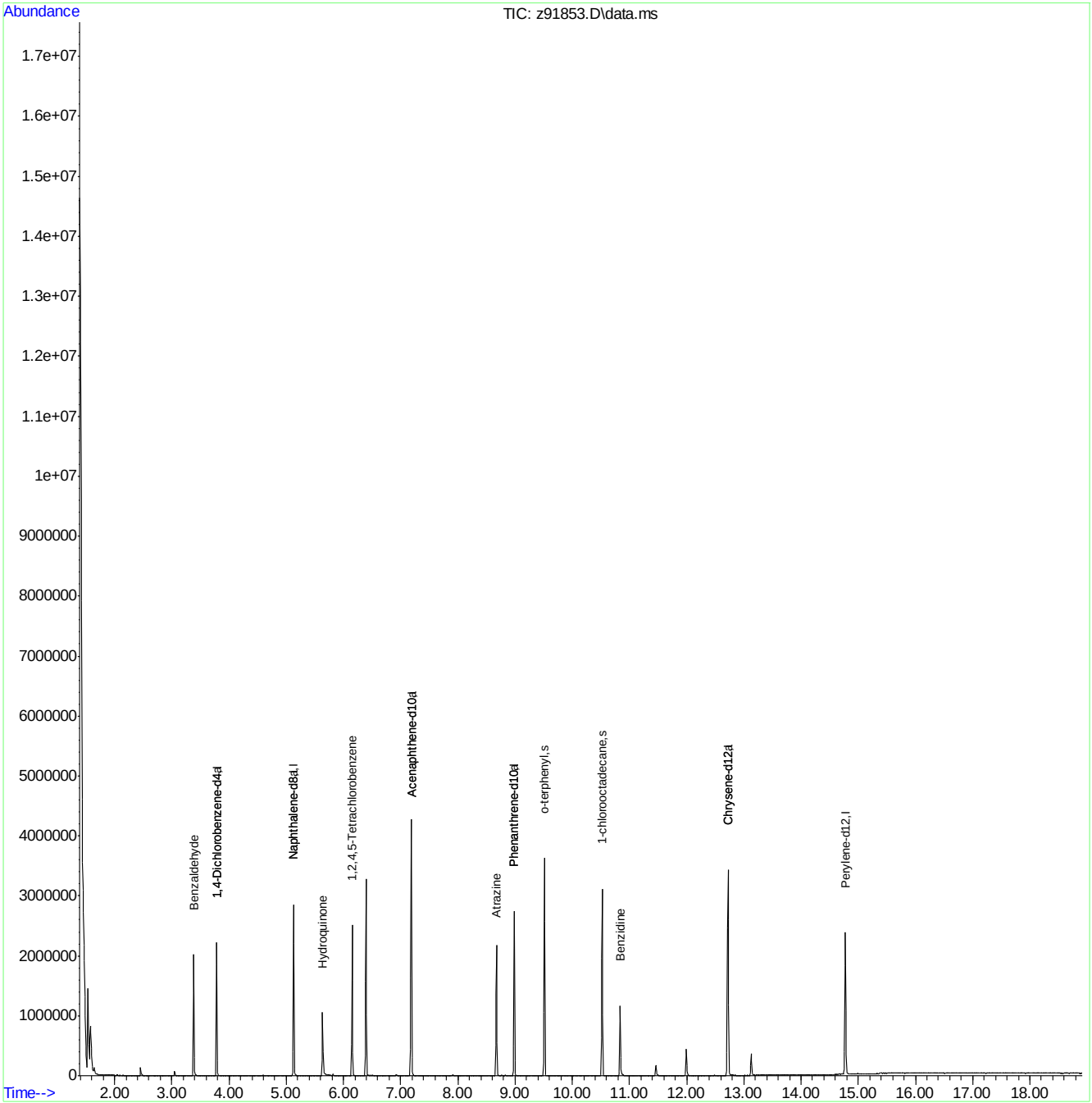
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	320910	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1253030	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	650323	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1105151	40.00	ppb	0.00
83) Chrysene-d12	12.724	240	1106854	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	1004915	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	320910	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1105151	40.00	ppb	0.00
107) Chrysene-d12a	12.724	240	1106854	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	650323	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1253030	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.513	230	754704	58.74	ppb	0.00
Spiked Amount 50.000			Recovery =	117.48%		
109) 1-chlorooctadecane	10.523	57	451930	72.70	ppb	0.00
Spiked Amount 50.000			Recovery =	145.40%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	352302	50.48	ppb	85
105) Atrazine	8.679	215	135190	73.45	ppb #	76
108) Benzidine	10.838	184	501121	52.26	ppb	97
111) 1,2,4,5-Tetrachloroben...	6.153	216	412061	56.36	ppb	99
113) Hydroquinone	5.634	110	460600	74.79	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91853.D
Acq On : 27 May 2014 12:19 pm
Operator : ashleyv
Sample : ICC4571-50
Misc : op73791,ez4571
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 15:16:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 15:11:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91854.D
Acq On : 27 May 2014 12:45 pm
Operator : ashleyv
Sample : IC4571-25
Misc : op73791,ez4571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 14:45:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

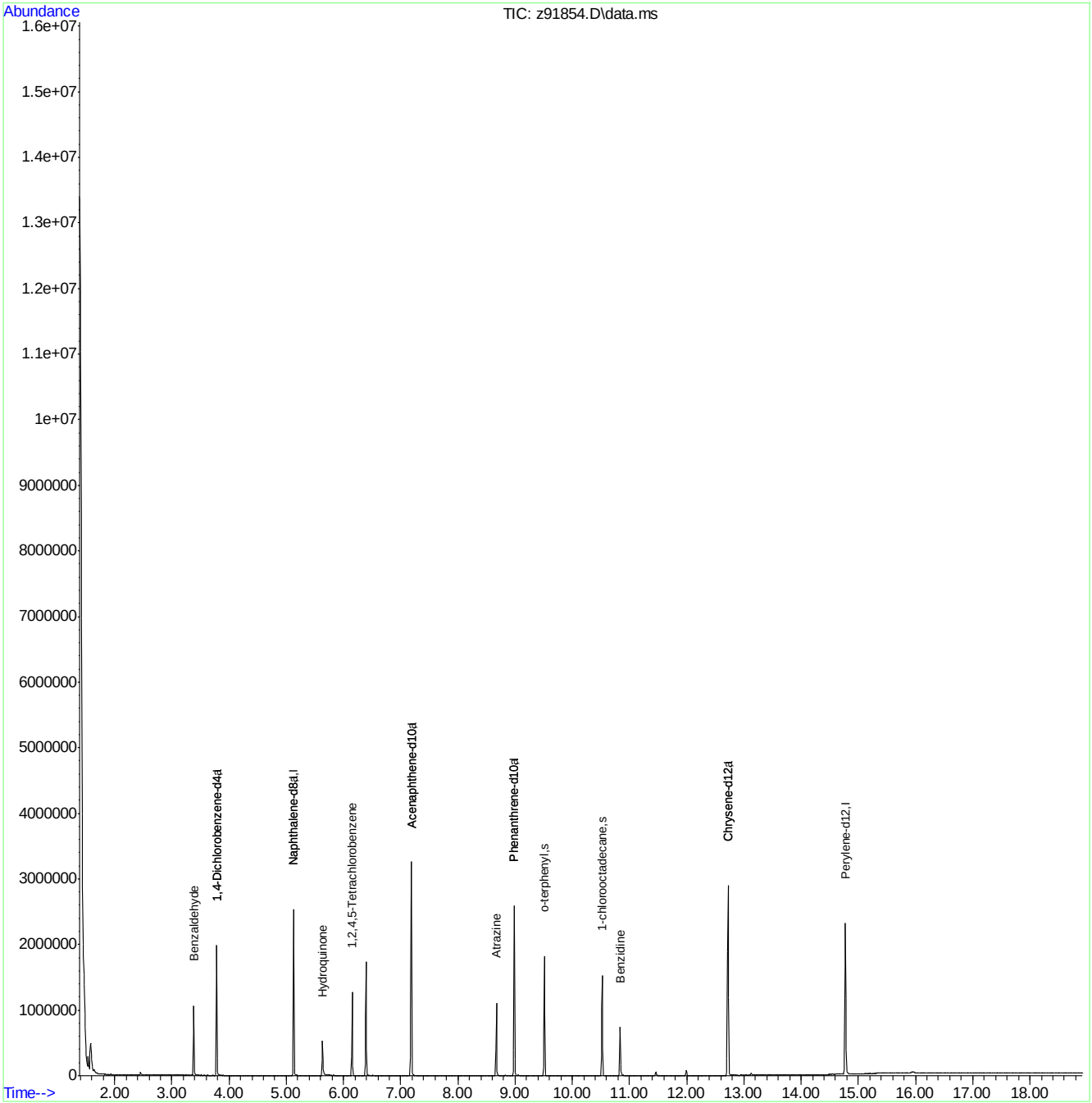
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	285903	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1112578	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	608381	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1050583	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1084299	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	983784	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	285903	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1050583	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1084299	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	608381	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1112578	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.513	230	379572	35.49	ppb	0.00
Spiked Amount 50.000			Recovery =	70.98%		
109) 1-chlorooctadecane	10.522	57	214112	30.63	ppb	0.00
Spiked Amount 50.000			Recovery =	61.26%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	184226	33.12	ppb	84
105) Atrazine	8.674	215	63849	31.69	ppb #	77
108) Benzidine	10.837	184	324468	44.88	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	207906	36.37	ppb	99
113) Hydroquinone	5.634	110	226891	27.91	ppb	76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91854.D
Acq On : 27 May 2014 12:45 pm
Operator : ashleyv
Sample : IC4571-25
Misc : op73791,ez4571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 14:45:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91855.D
Acq On : 27 May 2014 1:11 pm
Operator : ashleyv
Sample : IC4571-10
Misc : op73791,ez4571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 14:44:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

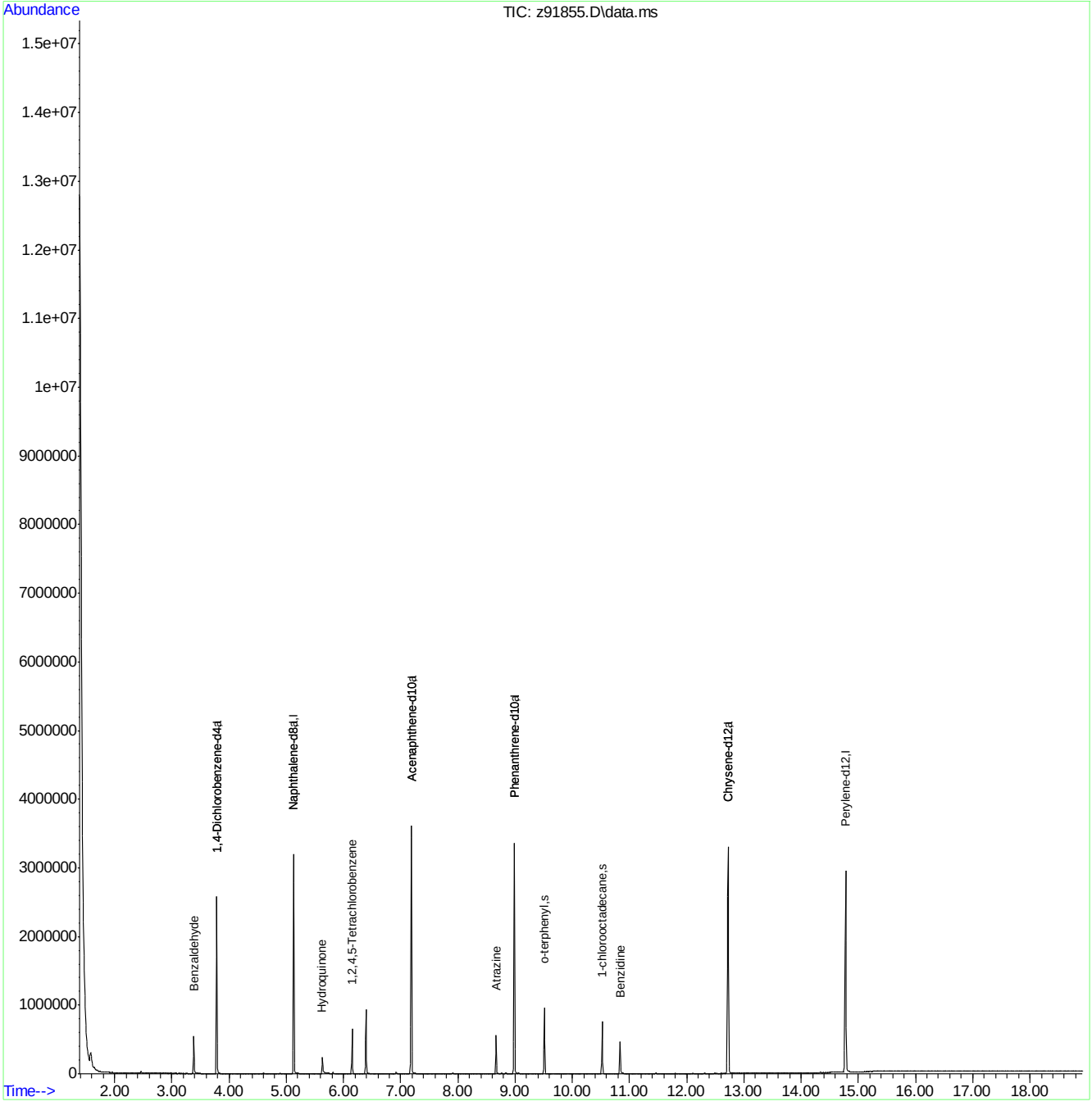
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	362717	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1431322	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	776012	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1320807	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1351947	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1249118	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	362717	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1320807	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1351947	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	776012	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1431322	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.512	230	195472	14.54	ppb	0.00
Spiked Amount 50.000			Recovery =	29.08%		
109) 1-chlorooctadecane	10.522	57	103343	11.86	ppb	0.00
Spiked Amount 50.000			Recovery =	23.72%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	98580	13.97	ppb	84
105) Atrazine	8.668	215	30198	11.92	ppb #	73
108) Benzidine	10.837	184	208751	23.16	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	106463	14.60	ppb	99
113) Hydroquinone	5.629	110	99790	9.54	ppb	80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91855.D
Acq On : 27 May 2014 1:11 pm
Operator : ashleyv
Sample : IC4571-10
Misc : op73791,ez4571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 14:44:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91856.D
Acq On : 27 May 2014 1:36 pm
Operator : ashleyv
Sample : IC4571-5
Misc : op73791,ez4571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 10:21:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration

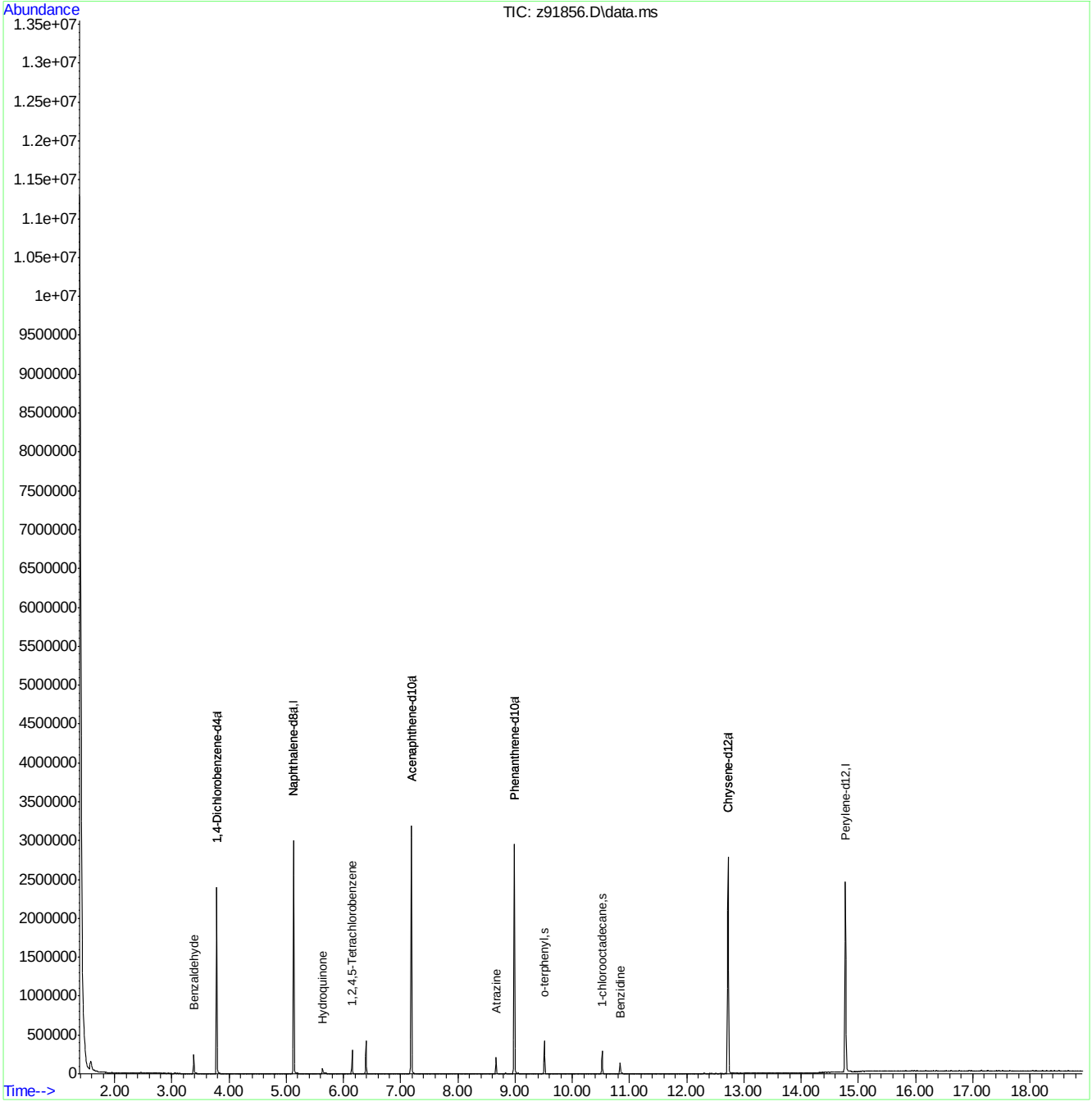
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	337946	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1317498	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	715543	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1200046	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1175079	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1061303	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	337946	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1200046	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1175079	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	715543	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1317498	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.512	230	86977	5.83	ppb	0.00
Spiked Amount 50.000			Recovery =	11.66%		
109) 1-chlorooctadecane	10.522	57	38567	4.55	ppb	0.00
Spiked Amount 50.000			Recovery =	9.10%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	45262	5.79	ppb	84
105) Atrazine	8.668	215	10994	4.27	ppb #	75
108) Benzidine	10.837	184	67431	5.59	ppb	96
111) 1,2,4,5-Tetrachloroben...	6.152	216	49317	5.80	ppb	99
113) Hydroquinone	5.634	110	30155	3.04	ppb	76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91856.D
Acq On : 27 May 2014 1:36 pm
Operator : ashleyv
Sample : IC4571-5
Misc : op73791,ez4571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 10:21:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91857.D
Acq On : 27 May 2014 2:01 pm
Operator : ashleyv
Sample : IC4571-2
Misc : op73791,ez4571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 30 11:46:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:46:13 2014
Response via : Initial Calibration

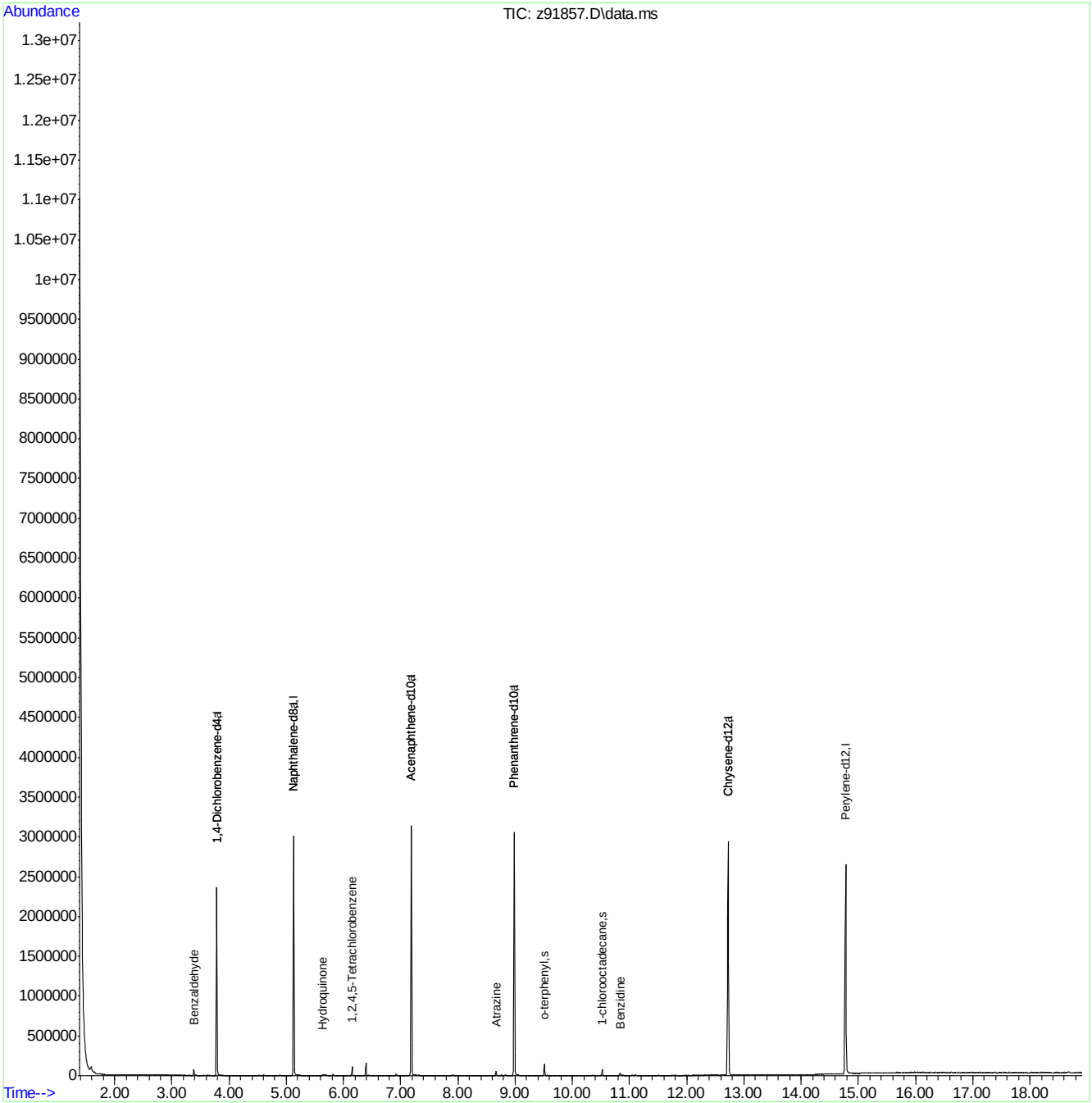
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	334351	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1309039	40.00	ppb	0.02
47) Acenaphthene-d10	7.184	164	722228	40.00	ppb	0.02
69) Phenanthrene-d10	8.984	188	1217625	40.00	ppb	0.02
83) Chrysene-d12	12.723	240	1241313	40.00	ppb	0.02
92) Perylene-d12	14.780	264	1140900	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	3.786	152	334351	40.00	ppb	0.02
104) Phenanthrene-d10a	8.984	188	1217625	40.00	ppb	0.02
107) Chrysene-d12a	12.723	240	1241313	40.00	ppb	0.02
110) Acenaphthene-d10a	7.184	164	722228	40.00	ppb	0.02
112) Naphthalene-d8a	5.127	136	1309039	40.00	ppb	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.513	230	30690	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
109) 1-chlorooctadecane	10.522	57	11226	1.25	ppb	0.00
Spiked Amount 50.000			Recovery =	2.50%		
Target Compounds						Qvalue
103) Benzaldehyde	3.385	105	16504	2.13	ppb	# 81
105) Atrazine	8.669	215	3215	2.74	ppb	# 76
108) Benzidine	10.838	184	18034	1.42	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	18444	2.15	ppb	94
113) Hydroquinone	5.640	110	7275	0.74	ppb	77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91857.D
Acq On : 27 May 2014 2:01 pm
Operator : ashleyv
Sample : IC4571-2
Misc : op73791,ez4571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 30 11:46:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:46:13 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao 06/02/14 08:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91858.D
Acq On : 27 May 2014 2:27 pm
Operator : ashleyv
Sample : IC4571-1
Misc : op73791,ez4571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 30 16:14:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	353182	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1390994	40.00	ppb	0.00
47) Acenaphthene-d10	7.183	164	750666	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1277825	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1296661	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1197937	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	353182	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1277825	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1296661	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.183	164	750666	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1390994	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.513	230	15963	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
109) 1-chlorooctadecane	10.522	57	4565	0.49	ppb	0.00
Spiked Amount 50.000			Recovery =	0.98%		
Target Compounds						Qvalue
103) Benzaldehyde	3.385	105	8110	0.99	ppb	89
105) Atrazine	8.669	215	1400	0.51	ppb #	71
108) Benzidine	10.843	184	7382	0.55	ppb	96
111) 1,2,4,5-Tetrachloroben...	6.152	216	10322	1.16	ppb	95

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

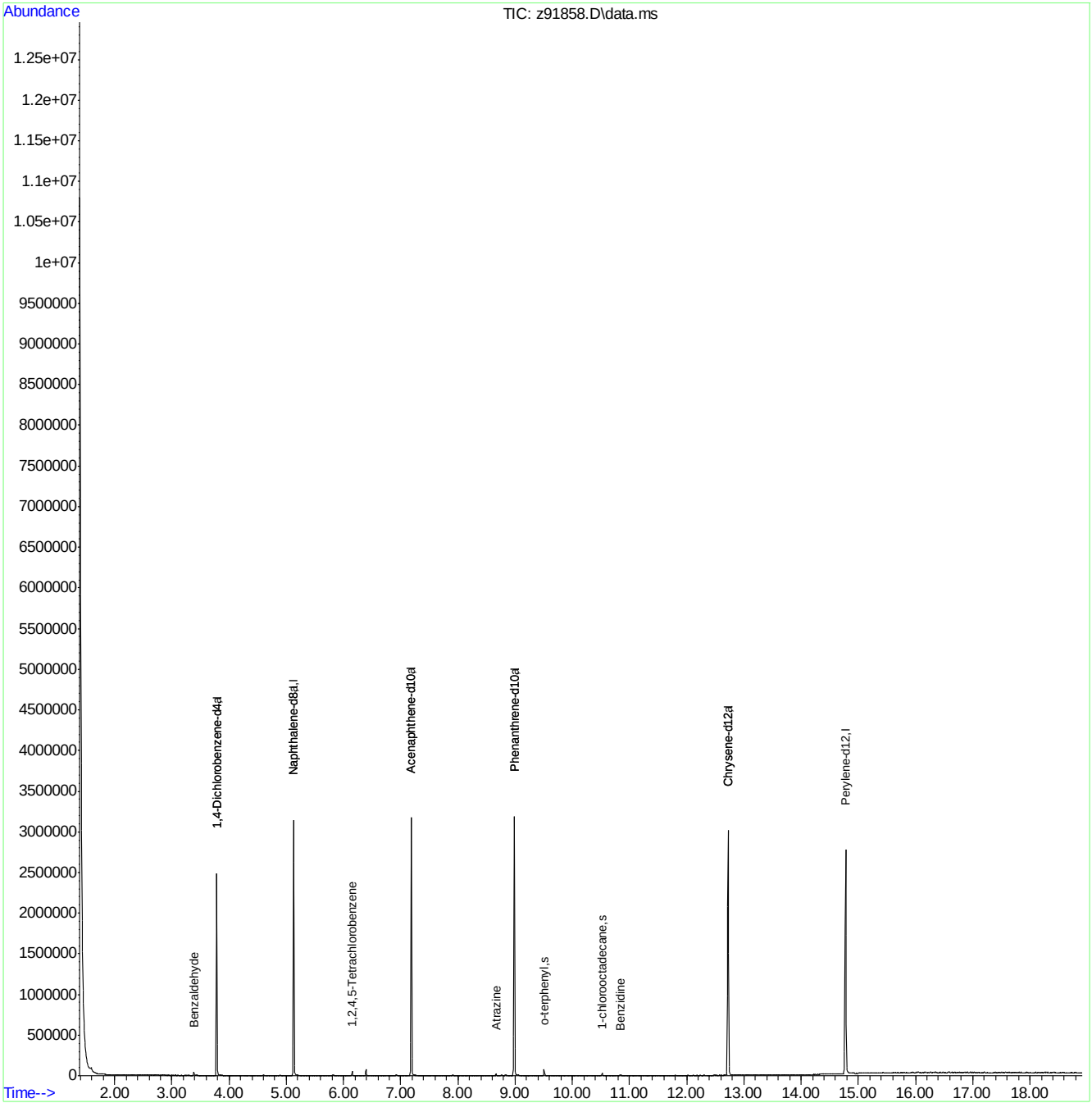
9.6.167

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91858.D
Acq On : 27 May 2014 2:27 pm
Operator : ashleyv
Sample : IC4571-1
Misc : op73791,ez4571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 30 16:14:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration



MZ4569.M Fri May 30 16:14:21 2014 RTE Page: 2

Manual Integration Approval Summary

Sample Number:	EZ4571-IC4571	**Method:**	SW846 8270D
Lab FileID:	Z91858.D	**Analyst approved:**	05/28/14 10:31 Ashley Royal
Injection Time:	05/27/14 14:27	**Supervisor approved:**	06/02/14 08:27 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.64	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

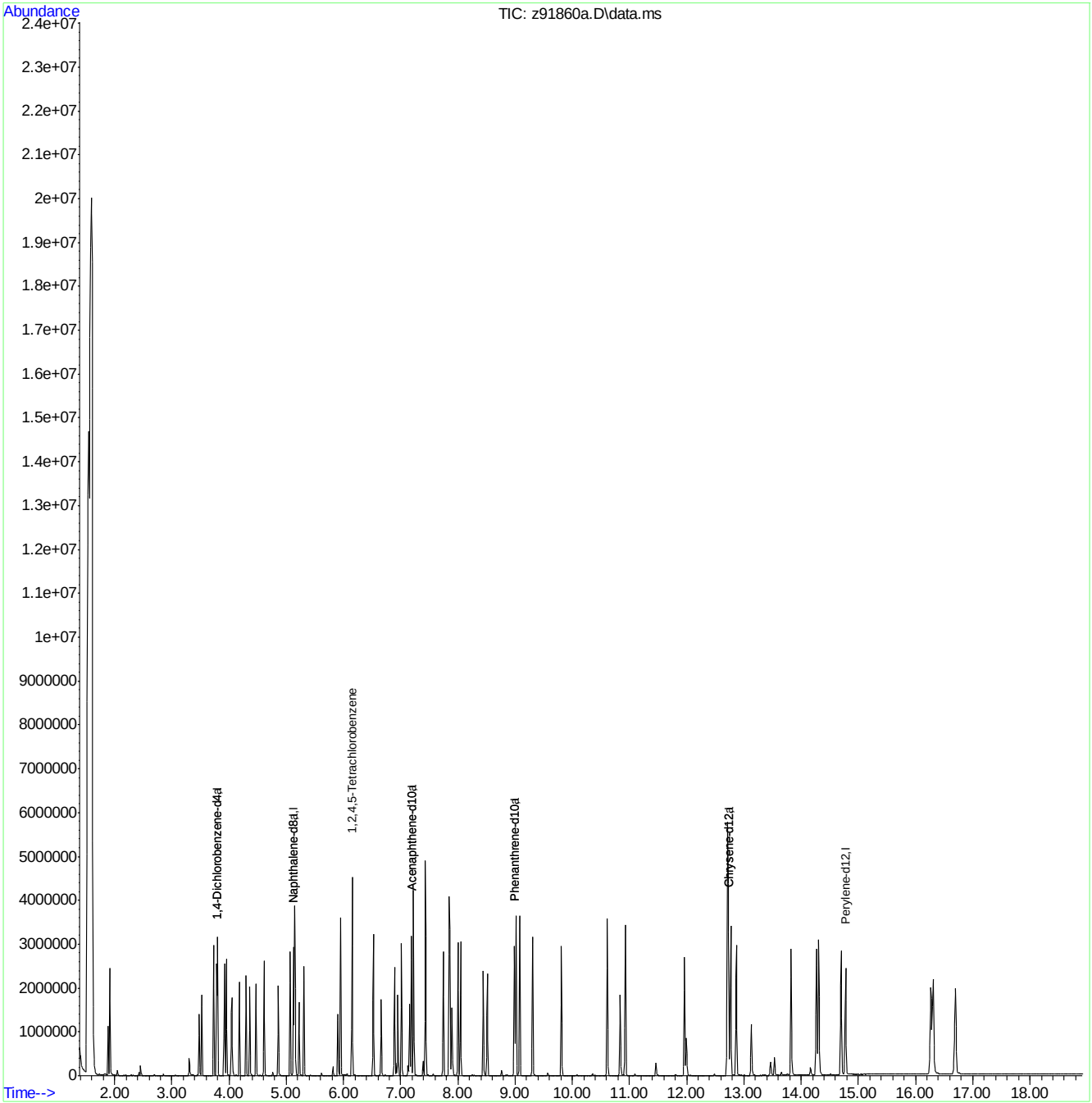
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
111) 1,2,4,5-Tetrachloroben...	6.152	216	493386	56.35	ppb	98

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

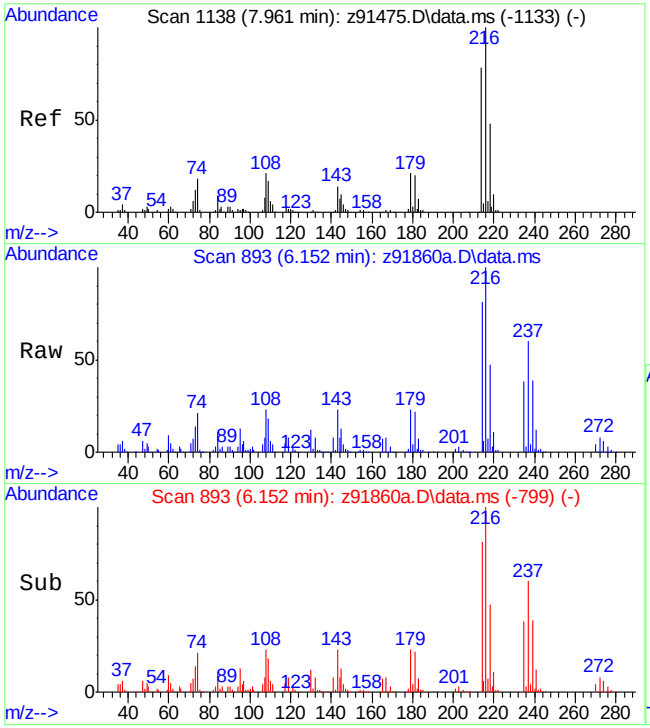
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



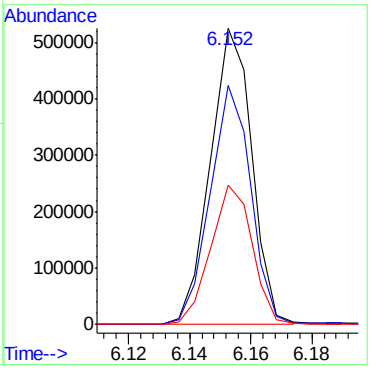
MZ4569.M Wed May 28 15:27:49 2014 RTE Page: 2



#111
1,2,4,5-Tetrachlorobenzene
Concen: 56.35 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860a.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:216 Resp: 493386

Ion	Ratio	Lower	Upper
216	100		
214	80.9	59.2	99.2
218	47.0	28.4	68.4



9.6.168

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	1.916	79	649789	42.09	ppb	99
4) N-Nitrosodimethylamine	1.889	74	359344	43.06	ppb	98
11) bis(2-Chloroethyl)ether	3.519	93	550572	46.73	ppb	99
14) 1,3-Dichlorobenzene	3.732	146	640882	44.40	ppb	98
15) 1,4-Dichlorobenzene	3.802	146	646965	43.76	ppb	98
16) Benzyl alcohol	3.919	108	371352	46.01	ppb	100
17) 1,2-Dichlorobenzene	3.957	146	618431	44.63	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.048	121	183350	47.10	ppb	98
22) n-Nitroso-di-n-propyla...	4.181	70	393100	46.29	ppb	96
23) Hexachloroethane	4.299	201	209426	45.83	ppb	97
26) Nitrobenzene	4.363	77	568747	43.05	ppb	95
28) Isophorone	4.614	82	981336	44.97	ppb	99
32) bis(2-Chloroethoxy)met...	4.860	93	644184	48.56	ppb	99
36) 1,2,4-Trichlorobenzene	5.068	180	505355	44.86	ppb	98
38) Naphthalene	5.153	128	1659492	43.88	ppb	99
42) Hexachlorobutadiene	5.308	225	277705	45.61	ppb	98
44) 2-Methylnaphthalene	5.955	141	914928	44.53	ppb	98
48) Hexachlorocyclopentadiene	6.152	237	258188	44.33	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

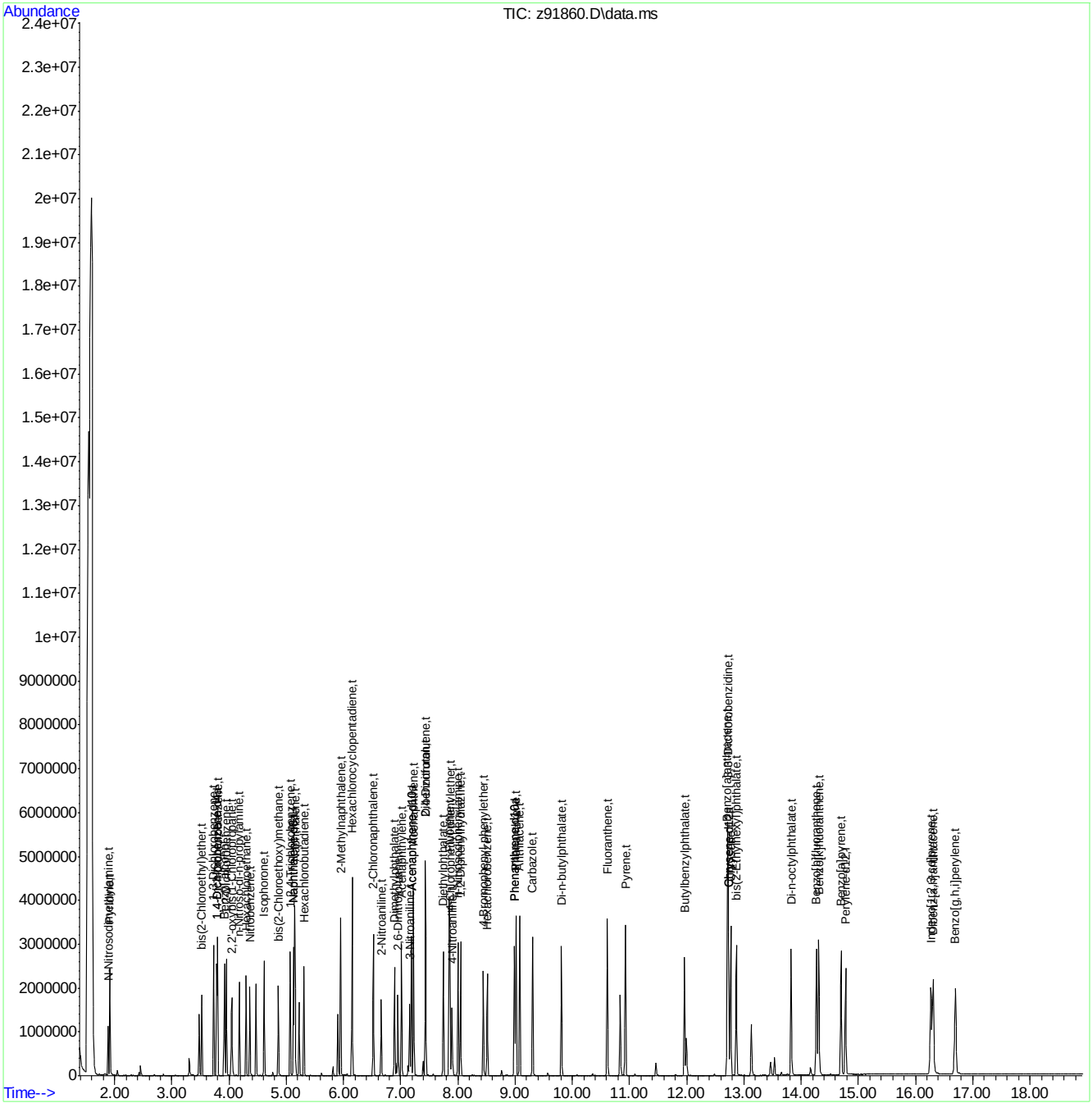
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) 2-Chloronaphthalene	6.521	162	971325	44.32	ppb		98
54) 2-Nitroaniline	6.660	65	279347	46.48	ppb		92
55) Dimethylphthalate	6.895	163	1067610	45.62	ppb		99
56) Acenaphthylene	7.013	152	1367646	39.72	ppb		100
57) 2,6-Dinitrotoluene	6.954	165	231218	48.21	ppb		99
58) 3-Nitroaniline	7.157	138	255928	42.22	ppb		95
59) Acenaphthene	7.226	153	1000997	45.95	ppb		99
62) Dibenzofuran	7.435	168	1336051	44.21	ppb		85
63) 2,4-Dinitrotoluene	7.435	165	288048	44.00	ppb	#	49
65) Diethylphthalate	7.744	149	1075149	47.19	ppb		100
66) Fluorene	7.846	166	1088626	46.06	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	511306	46.23	ppb		96
68) 4-Nitroaniline	7.894	138	276131	45.45	ppb		93
71) n-Nitrosodiphenylamine	8.006	169	736622	48.46	ppb		99
72) 1,2-Diphenylhydrazine	8.049	77	1139263	48.20	ppb		96
74) 4-Bromophenyl-phenylether	8.444	248	298366	48.44	ppb		90
75) Hexachlorobenzene	8.514	284	338052	46.00	ppb		93
77) Phenanthrene	9.016	178	1558276	44.66	ppb		99
78) Anthracene	9.080	178	1578056	46.66	ppb		99
79) Carbazole	9.304	167	1463099	41.76	ppb		99
80) Di-n-butylphthalate	9.812	149	1750963	50.88	ppb		99
81) Fluoranthene	10.613	202	1607725	47.32	ppb		97
84) Pyrene	10.934	202	1670566	48.07	ppb		96
87) Butylbenzylphthalate	11.959	149	731635	52.20	ppb		99
88) Benzo[a]anthracene	12.713	228	1456967	46.48	ppb		100
89) 3,3'-Dichlorobenzidine	12.718	252	685540	66.53	ppb		99
90) Chrysene	12.771	228	1504371	48.34	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.868	149	1018064	53.48	ppb		100
93) Di-n-octylphthalate	13.824	149	1711925	48.95	ppb		100
94) Benzo[b]fluoranthene	14.267	252	1490447	47.55	ppb		94
95) Benzo[k]fluoranthene	14.310	252	1469644	45.40	ppb		97
96) Benzo[a]pyrene	14.700	252	1339666	48.12	ppb		98
97) Indeno[1,2,3-cd]pyrene	16.271	276	1304748	48.58	ppb		98
99) Dibenz[a,h]anthracene	16.308	278	1383911	48.86	ppb		98
101) Benzo[g,h,i]perylene	16.698	276	1374342	49.12	ppb		98

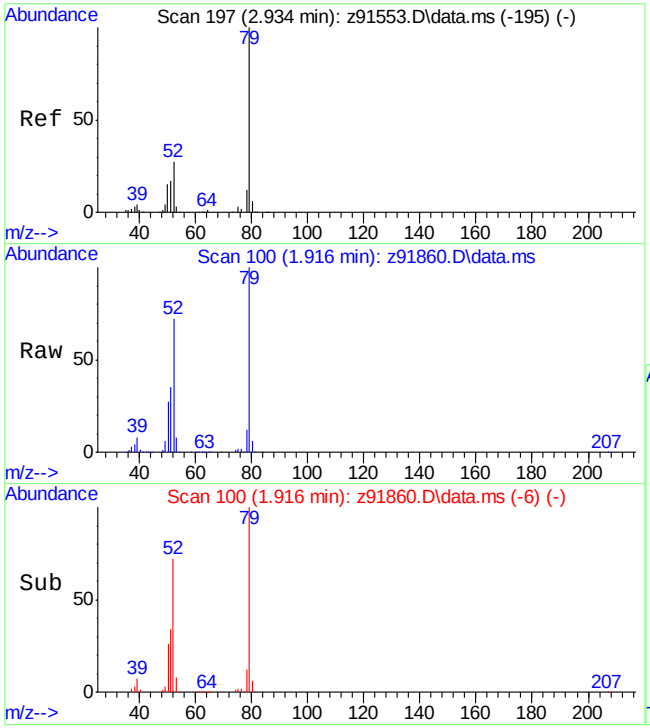
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

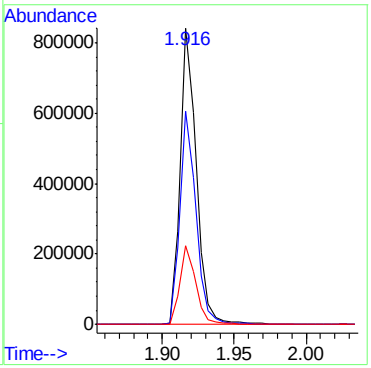


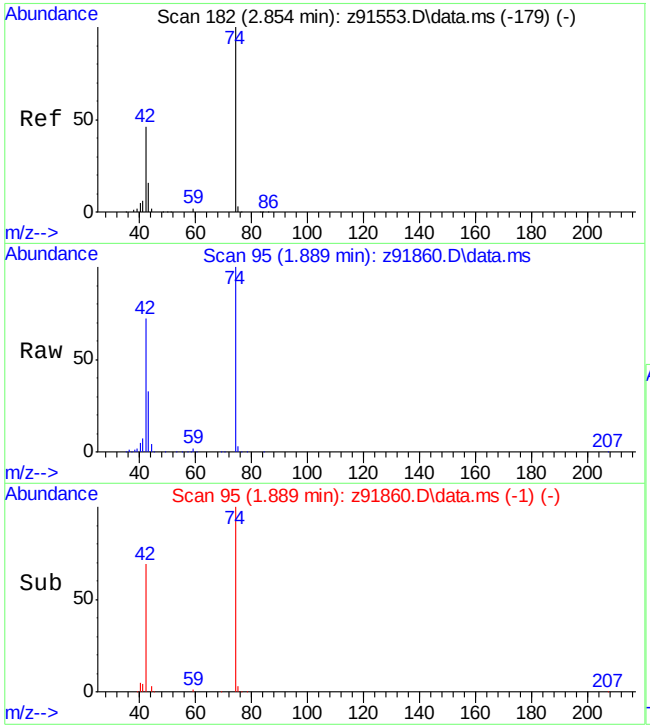


#3
Pyridine
Concen: 42.09 ppb
RT: 1.916 min Scan# 100
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 79 Resp: 649789

Ion	Ratio	Lower	Upper
79	100		
52	72.1	42.0	102.0
50	26.7	0.0	55.6

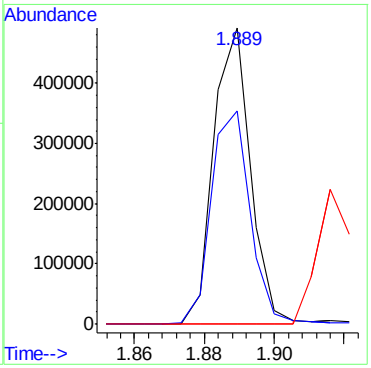


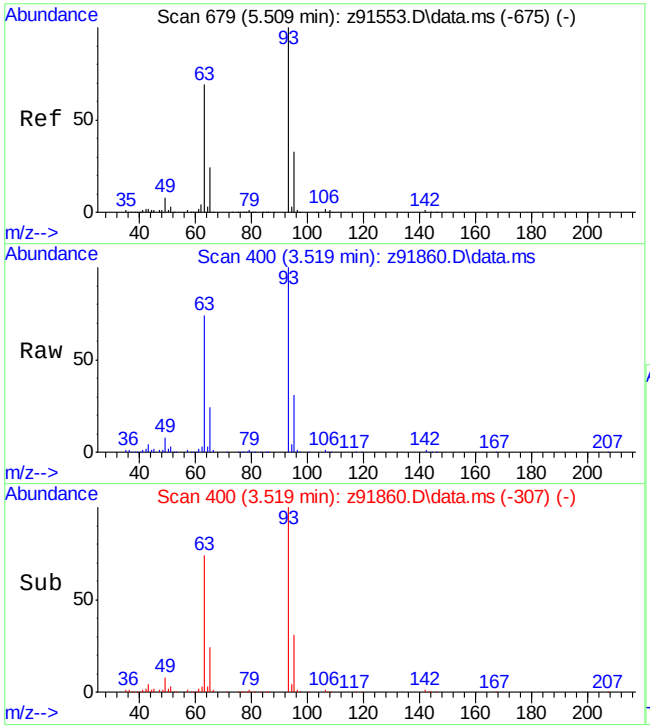


#4
N-Nitrosodimethylamine
Concen: 43.06 ppb
RT: 1.889 min Scan# 95
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 74 Resp: 359344

Ion	Ratio	Lower	Upper
74	100		
42	71.9	40.5	100.5
50	0.0	0.0	30.0

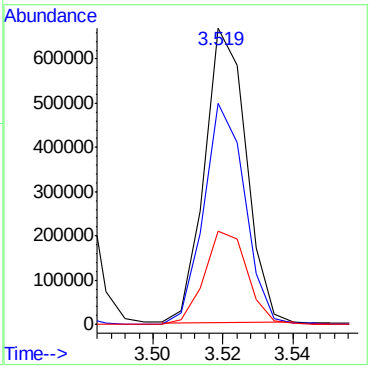


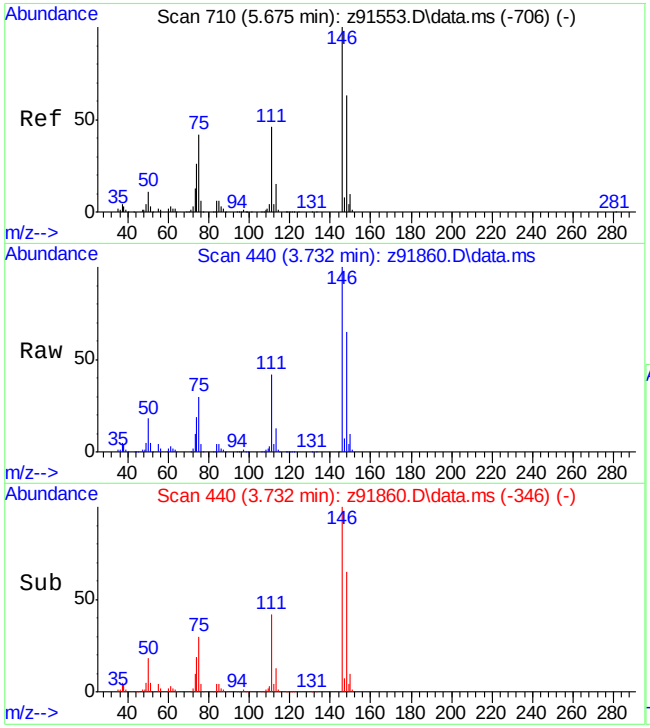


#11
bis(2-Chloroethyl)ether
Concen: 46.73 ppb
RT: 3.519 min Scan# 400
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 550572

Ion	Ratio	Lower	Upper
93	100		
63	74.7	45.8	105.8
95	31.6	2.2	62.2

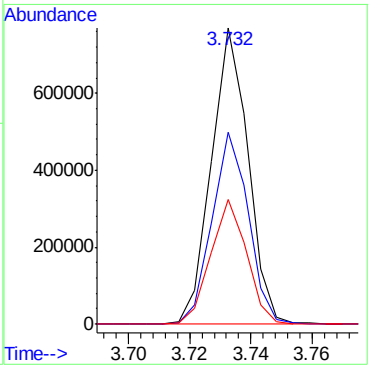


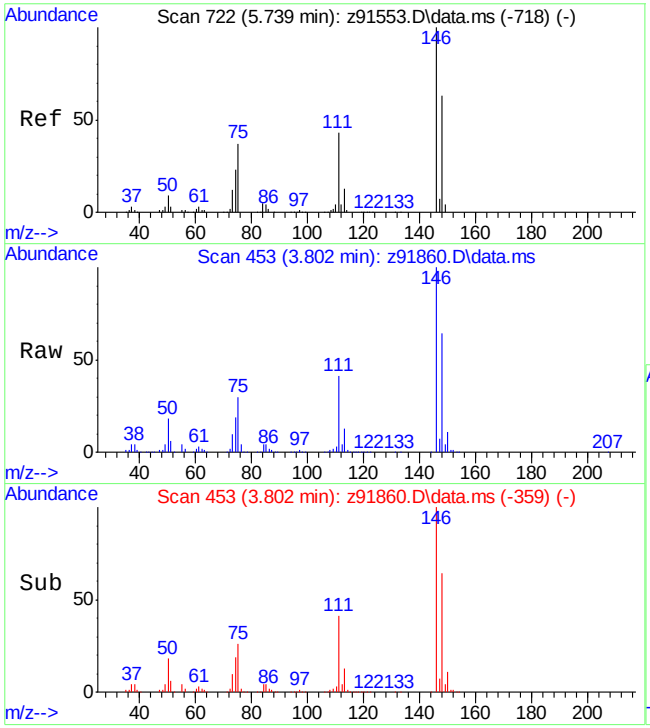


#14
1,3-Dichlorobenzene
Concen: 44.40 ppb
RT: 3.732 min Scan# 440
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 640882

Ion	Ratio	Lower	Upper
146	100		
148	64.6	32.9	92.9
111	41.9	11.7	71.7

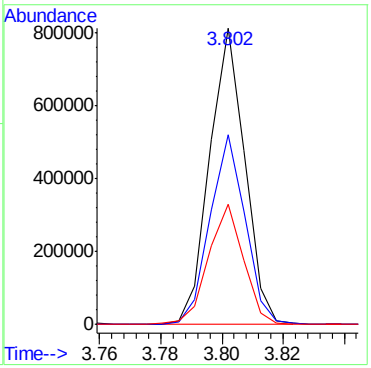


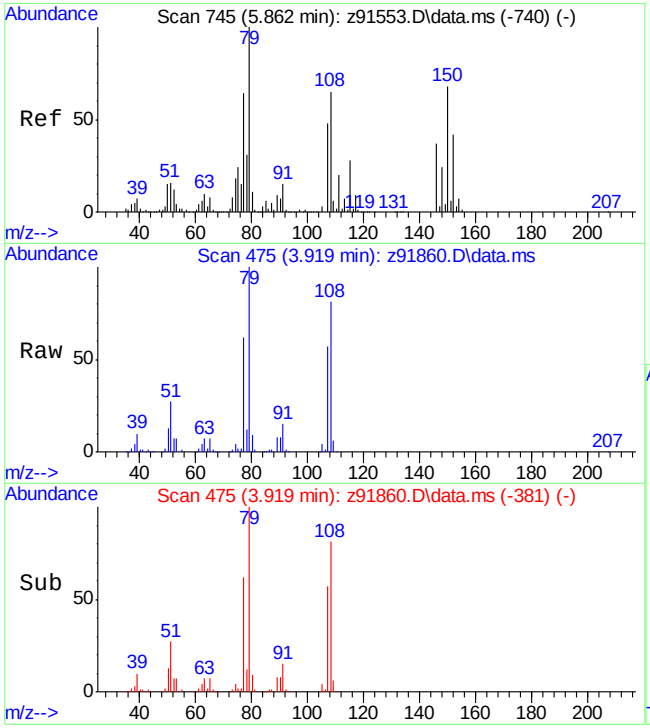


#15
1,4-Dichlorobenzene
Concen: 43.76 ppb
RT: 3.802 min Scan# 453
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 646965

Ion	Ratio	Lower	Upper
146	100		
148	64.1	32.7	92.7
111	40.4	9.6	69.6

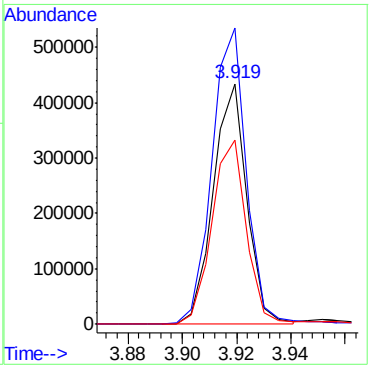


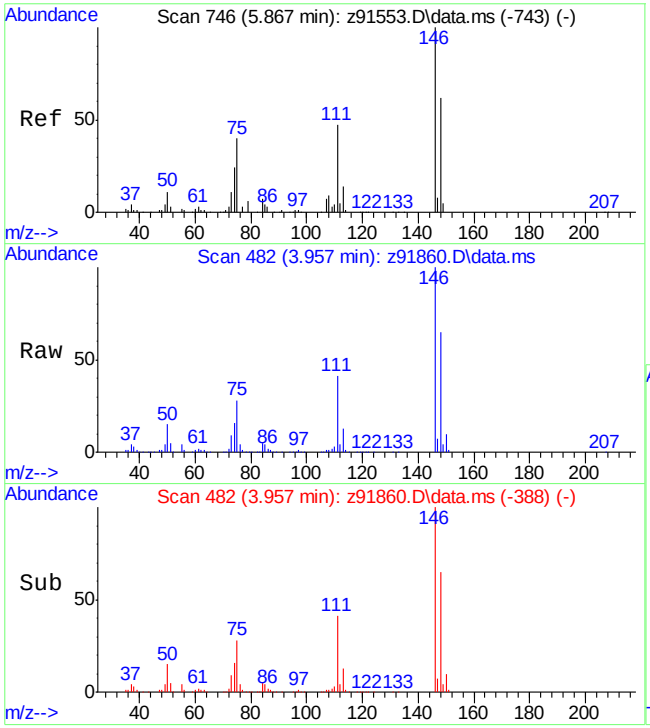


#16
Benzyl alcohol
Concen: 46.01 ppb
RT: 3.919 min Scan# 475
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:108 Resp: 371352

Ion	Ratio	Lower	Upper
108	100		
79	123.3	94.1	154.1
77	76.6	46.5	106.5

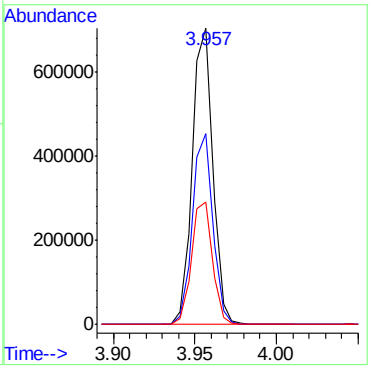


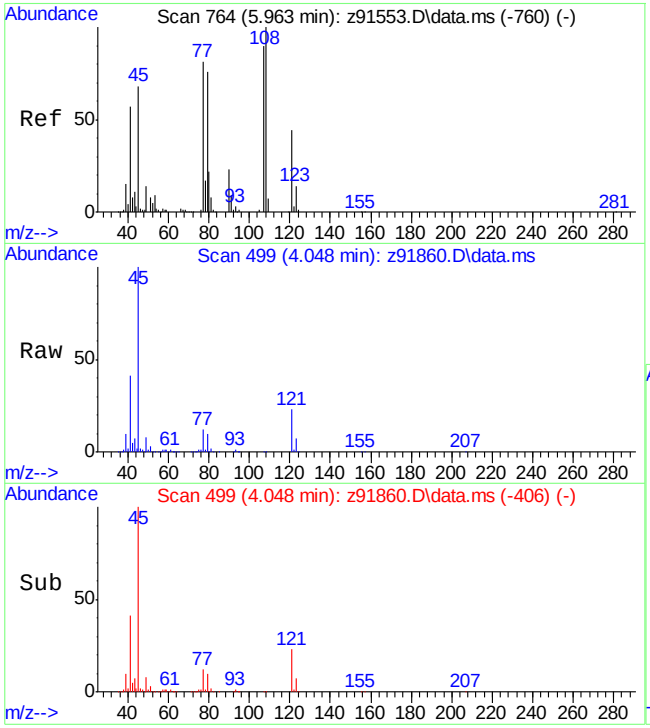


#17
1,2-Dichlorobenzene
Concen: 44.63 ppb
RT: 3.957 min Scan# 482
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 618431

Ion	Ratio	Lower	Upper
146	100		
148	64.6	33.2	93.2
111	41.2	11.7	71.7

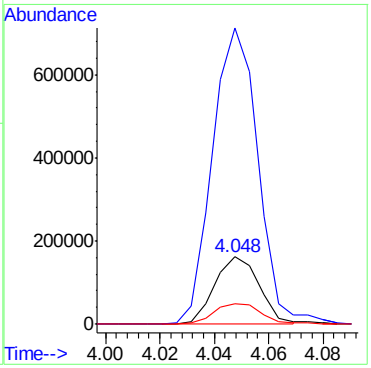


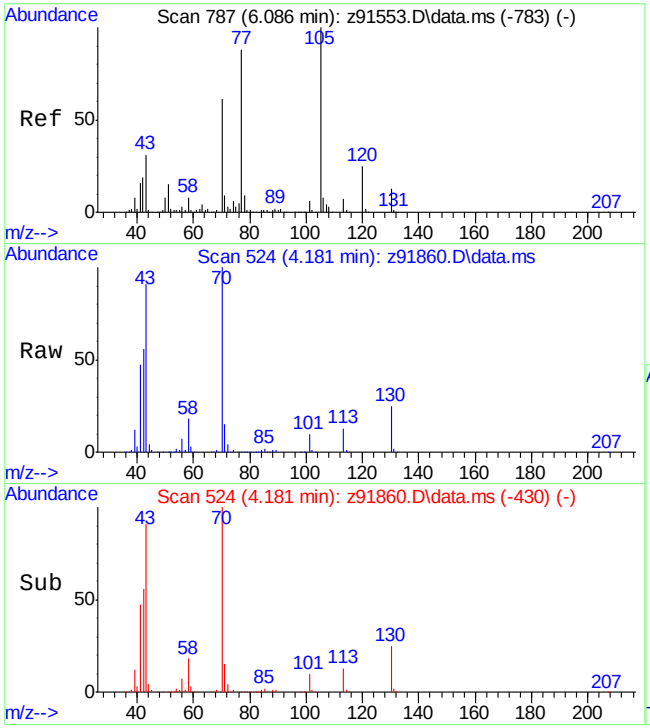


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.10 ppb
RT: 4.048 min Scan# 499
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:121 Resp: 183350

Ion	Ratio	Lower	Upper
121	100		
45	439.5	403.5	463.5
123	30.8	1.8	61.8

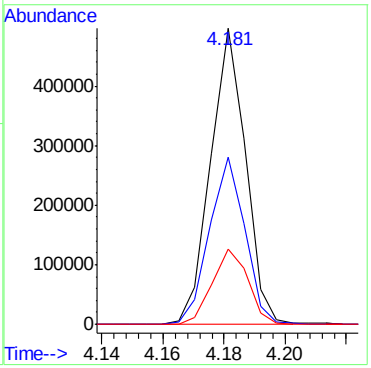


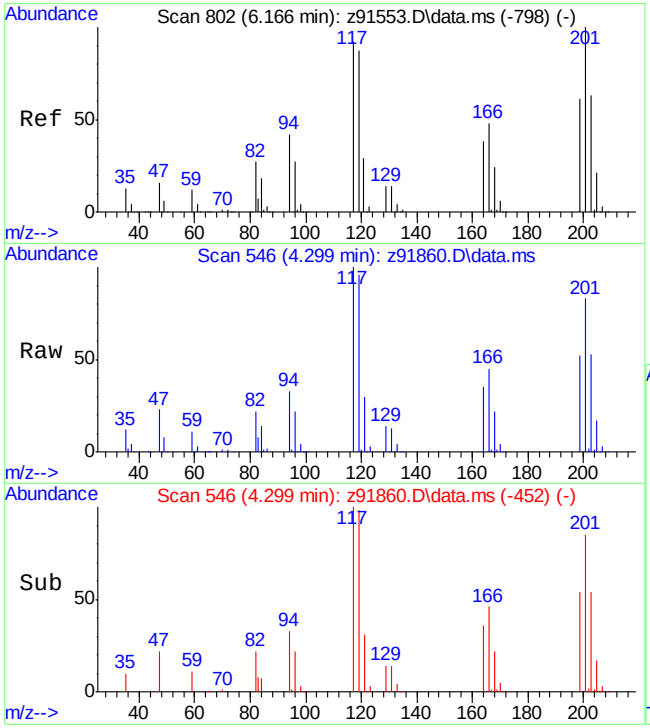


#22
n-Nitroso-di-n-propylamine
Concen: 46.29 ppb
RT: 4.181 min Scan# 524
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 70 Resp: 393100

Ion	Ratio	Lower	Upper
70	100		
42	56.4	23.2	83.2
130	25.2	0.0	56.4

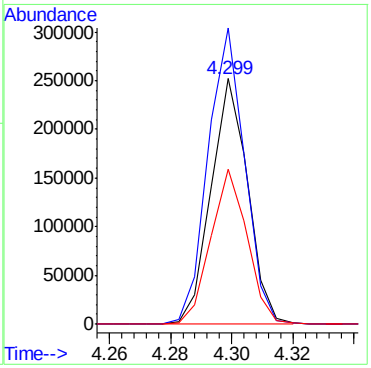


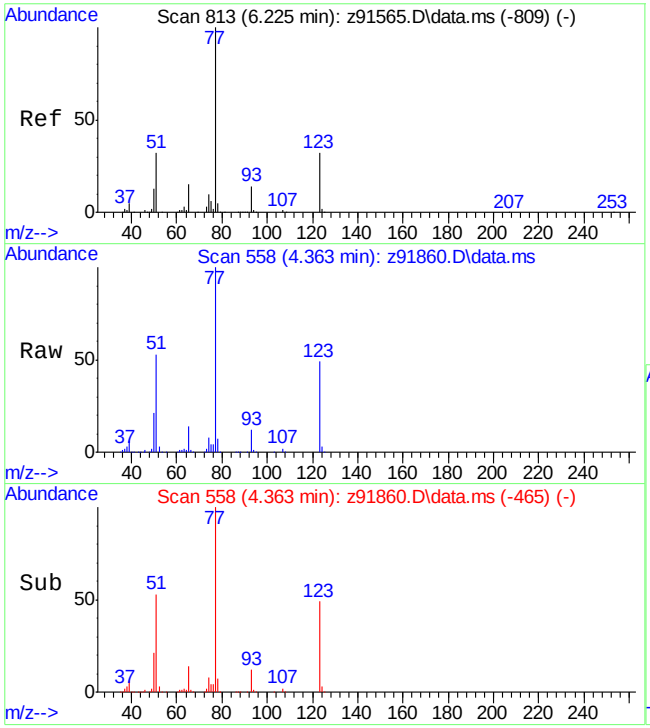


#23
Hexachloroethane
Concen: 45.83 ppb
RT: 4.299 min Scan# 546
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:201 Resp: 209426

Ion	Ratio	Lower	Upper
201	100		
117	120.7	94.4	154.4
199	62.9	35.0	95.0

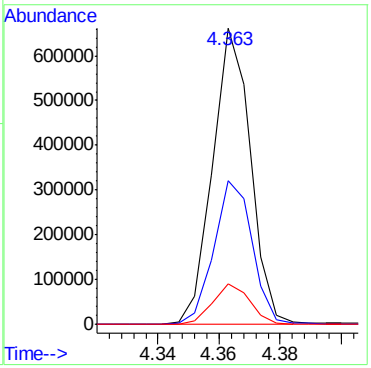


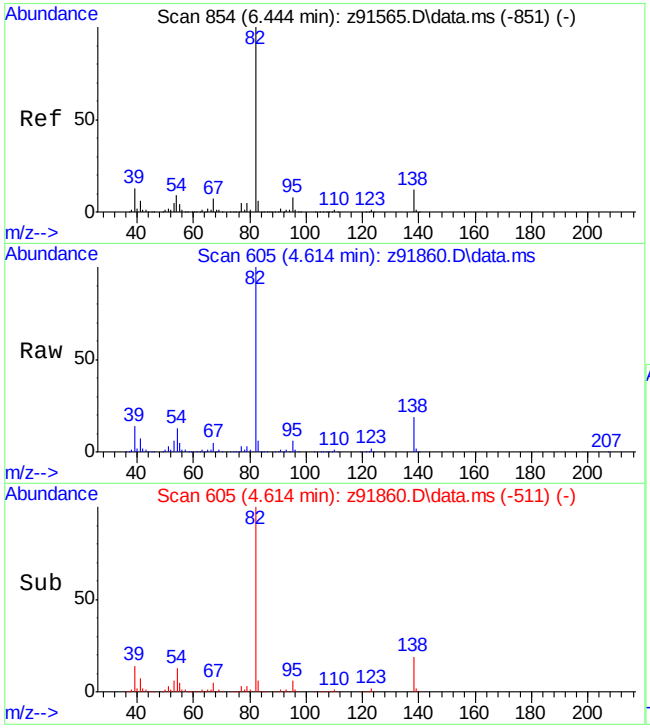


#26
Nitrobenzene
Concen: 43.05 ppb
RT: 4.363 min Scan# 558
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 568747

Ion	Ratio	Lower	Upper
77	100		
123	48.7	22.5	82.5
65	13.8	0.0	43.2

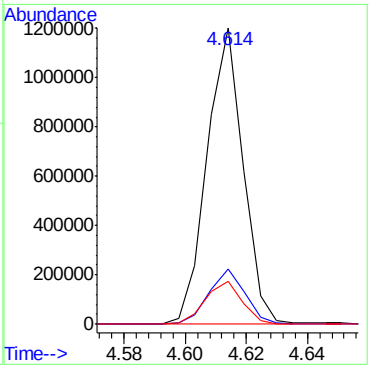


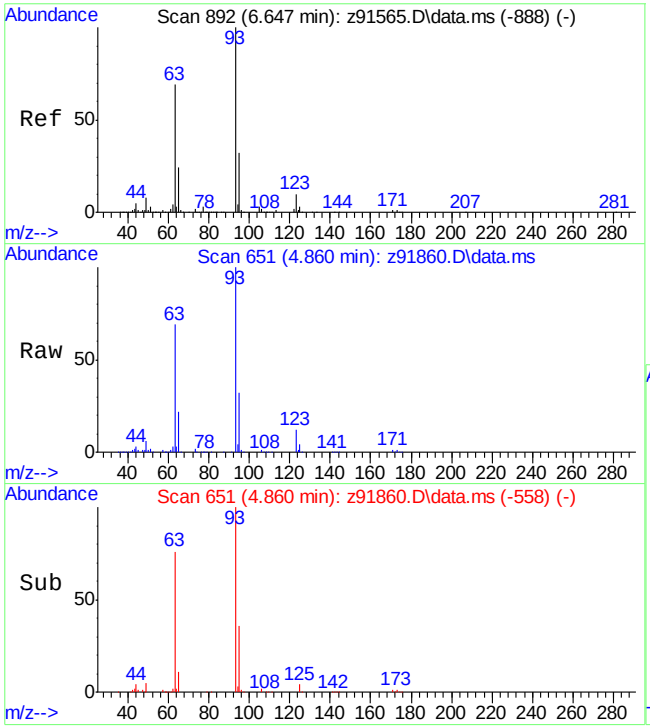


#28
Isophorone
Concen: 44.97 ppb
RT: 4.614 min Scan# 605
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 82 Resp: 981336

Ion	Ratio	Lower	Upper
82	100		
138	18.8	0.0	48.2
39	14.5	0.0	44.4

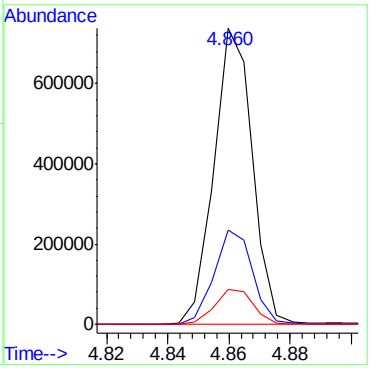


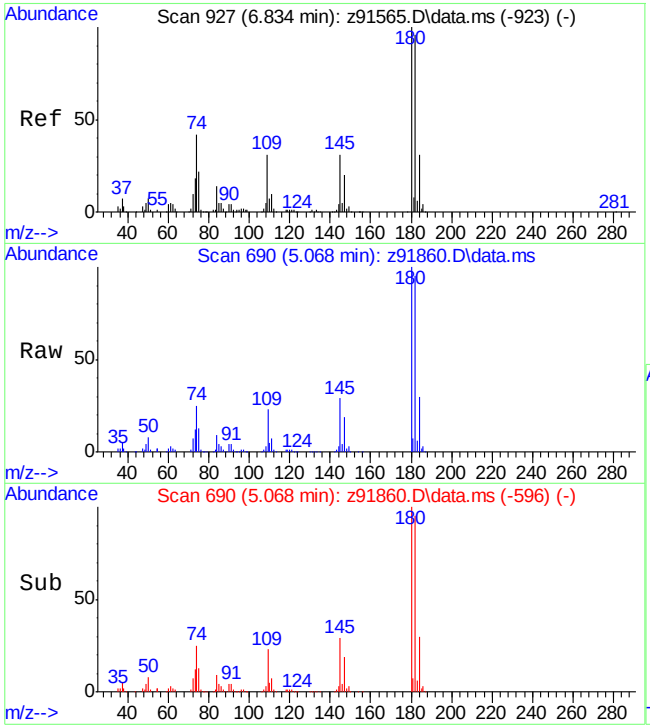


#32
bis(2-Chloroethoxy)methane
Concen: 48.56 ppb
RT: 4.860 min Scan# 651
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 644184

Ion	Ratio	Lower	Upper
93	100		
95	31.8	2.1	62.1
123	11.9	0.0	41.3

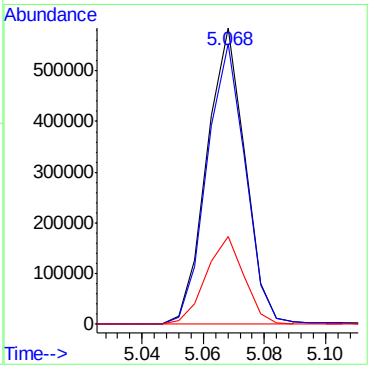


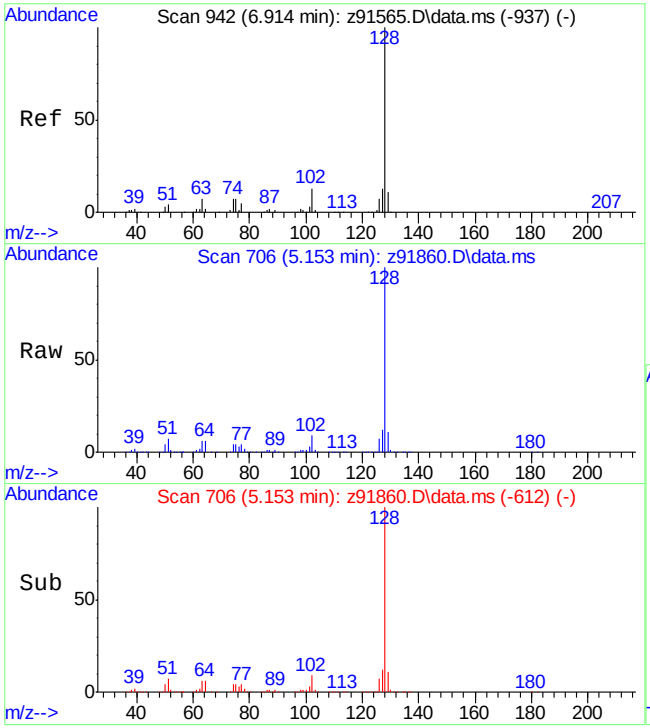


#36
1,2,4-Trichlorobenzene
Concen: 44.86 ppb
RT: 5.068 min Scan# 690
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:180 Resp: 505355

Ion	Ratio	Lower	Upper
180	100		
182	94.9	63.1	123.1
145	29.4	0.0	59.9

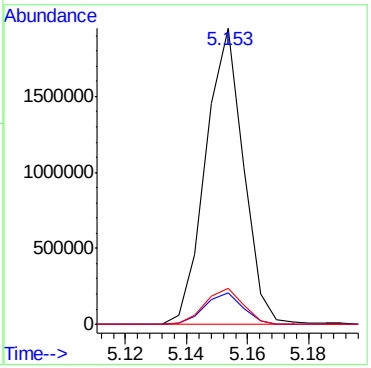


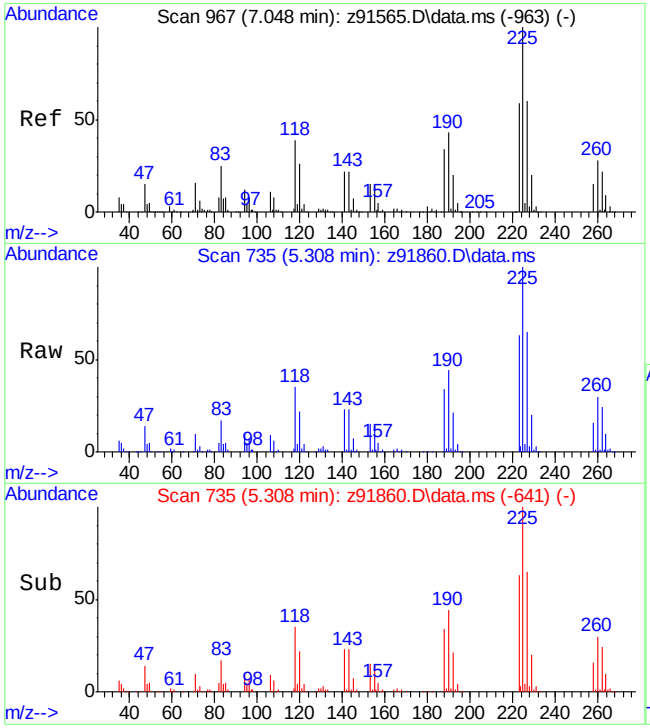


#38
Naphthalene
Concen: 43.88 ppb
RT: 5.153 min Scan# 706
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:128 Resp: 1659492

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.5
127	12.3	0.0	42.7

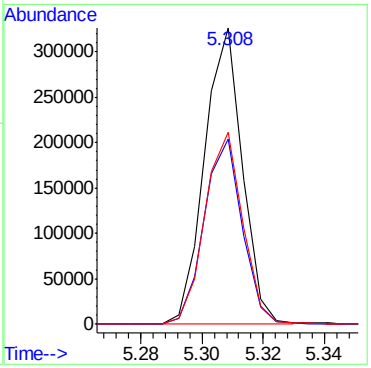


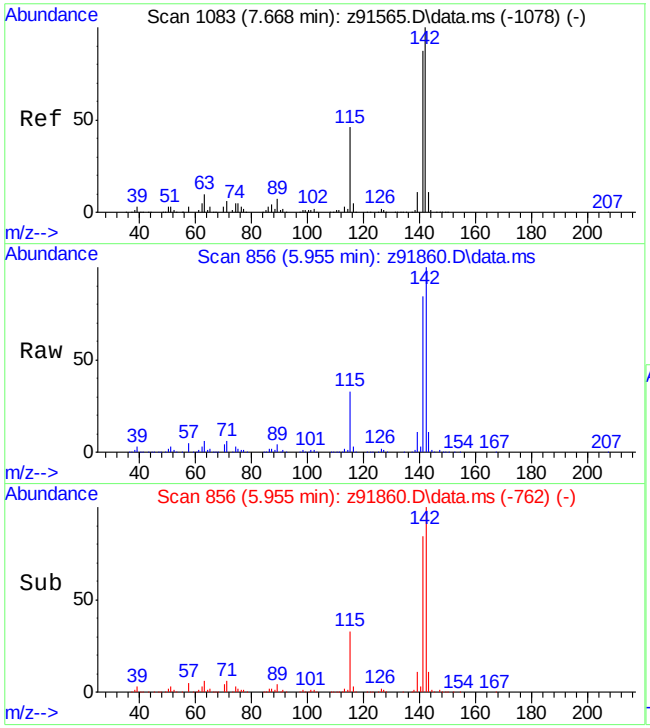


#42
Hexachlorobutadiene
Concen: 45.61 ppb
RT: 5.308 min Scan# 735
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:225 Resp: 277705

Ion	Ratio	Lower	Upper
225	100		
223	62.7	33.8	93.8
227	64.7	32.6	92.6

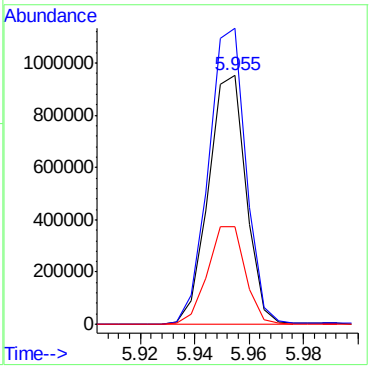


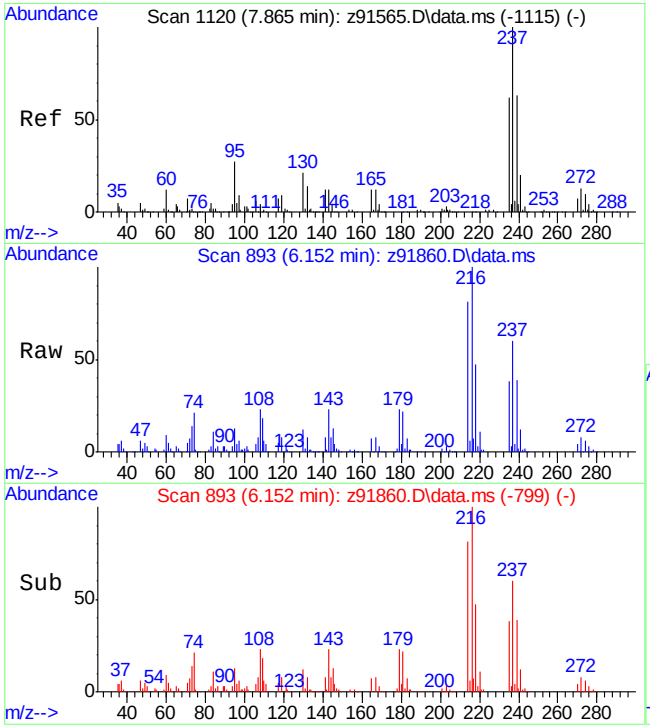


#44
2-Methylnaphthalene
Concen: 44.53 ppb
RT: 5.955 min Scan# 856
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:141 Resp: 914928

Ion	Ratio	Lower	Upper
141	100		
142	118.7	91.4	151.4
115	39.3	8.5	68.5

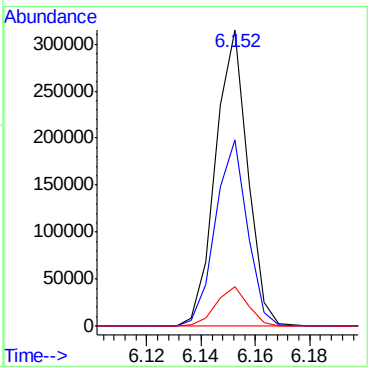


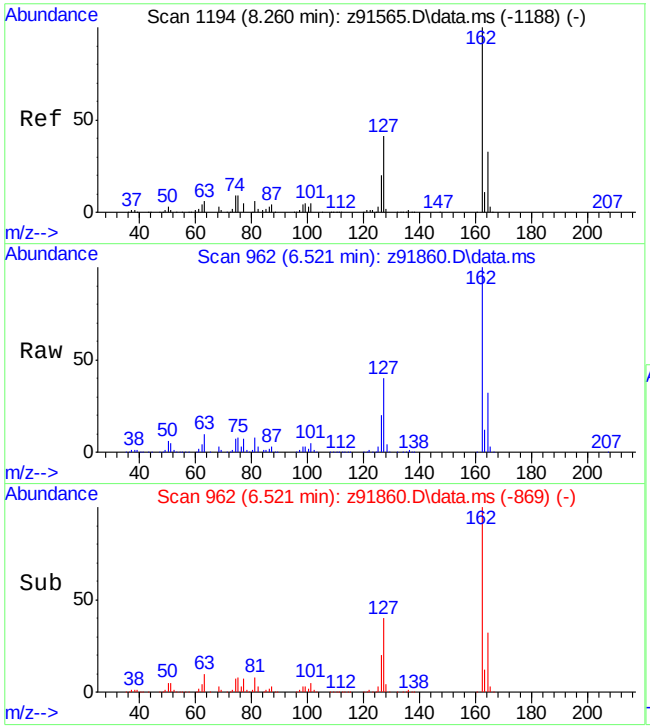


#48
Hexachlorocyclopentadiene
Concen: 44.33 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:237 Resp: 258188

Ion	Ratio	Lower	Upper
237	100		
235	62.8	33.9	93.9
272	13.2	0.0	43.3

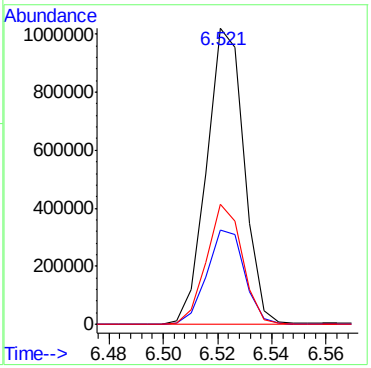


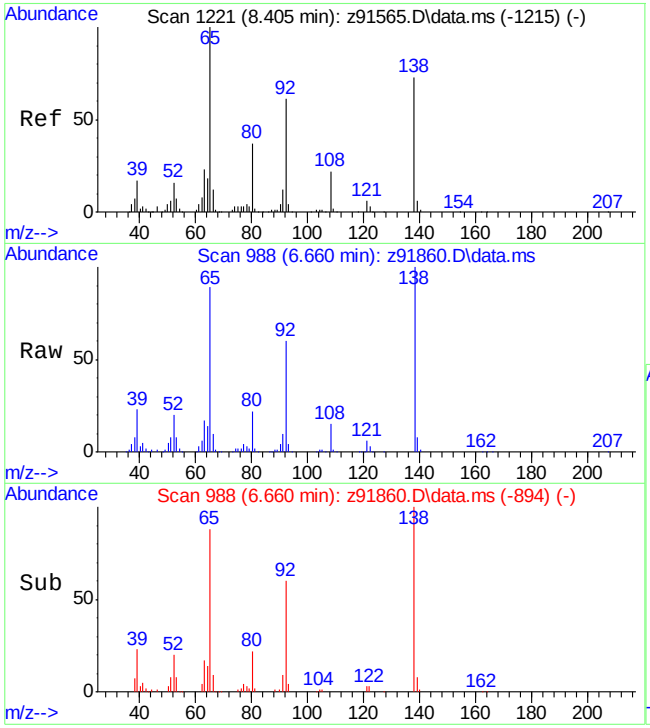


#52
2-Chloronaphthalene
Concen: 44.32 ppb
RT: 6.521 min Scan# 962
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:162 Resp: 971325

Ion	Ratio	Lower	Upper
162	100		
164	32.0	1.5	61.5
127	40.5	8.5	68.5

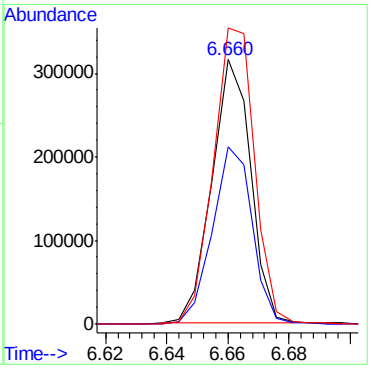


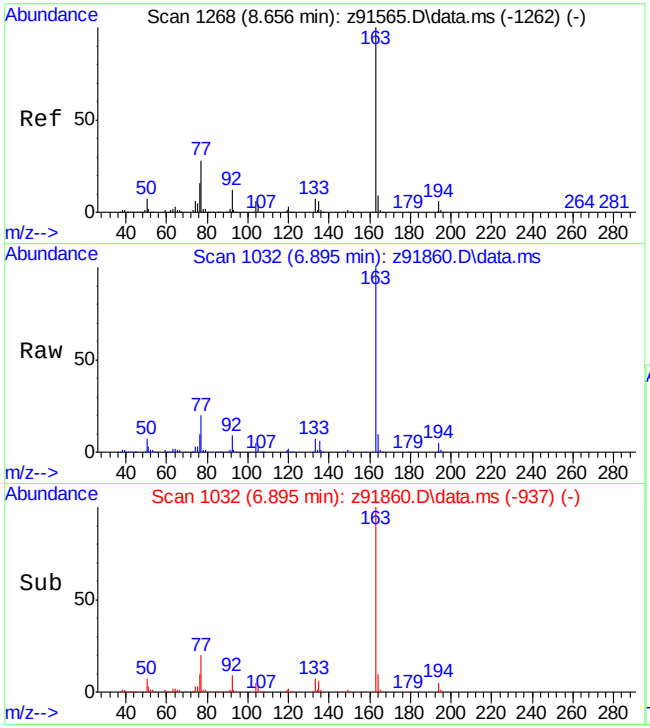


#54
2-Nitroaniline
Concen: 46.48 ppb
RT: 6.660 min Scan# 988
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 65 Resp: 279347

Ion	Ratio	Lower	Upper
65	100		
92	67.3	39.9	99.9
138	112.2	95.2	155.2

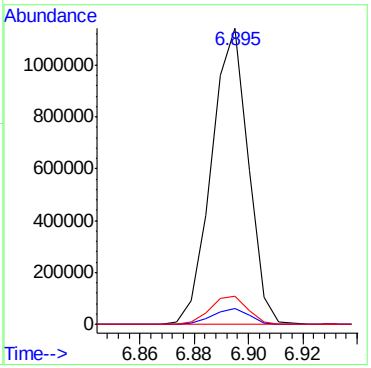


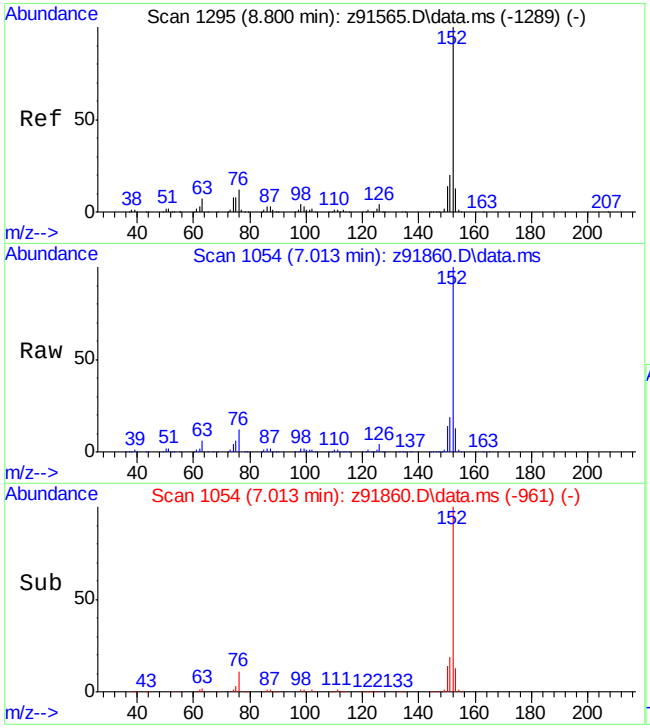


#55
Dimethylphthalate
Concen: 45.62 ppb
RT: 6.895 min Scan# 1032
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:163 Resp: 1067610

Ion	Ratio	Lower	Upper
163	100		
194	5.3	0.0	35.2
164	9.7	0.0	40.2

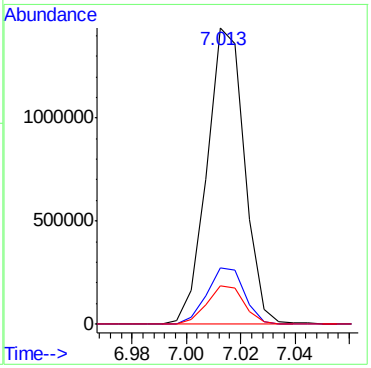


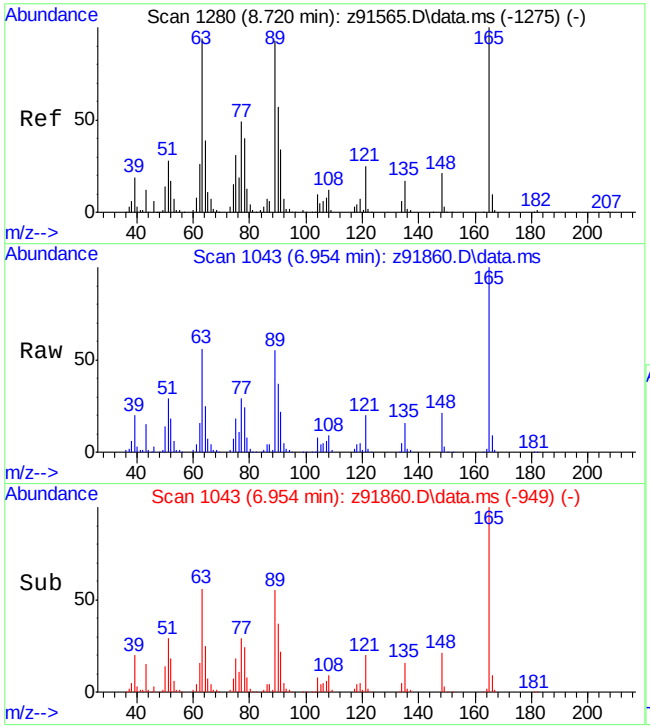


#56
Acenaphthylene
Concen: 39.72 ppb
RT: 7.013 min Scan# 1054
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:152 Resp: 1367646

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.0
153	13.1	0.0	42.7

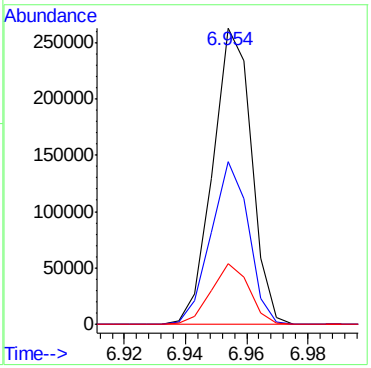


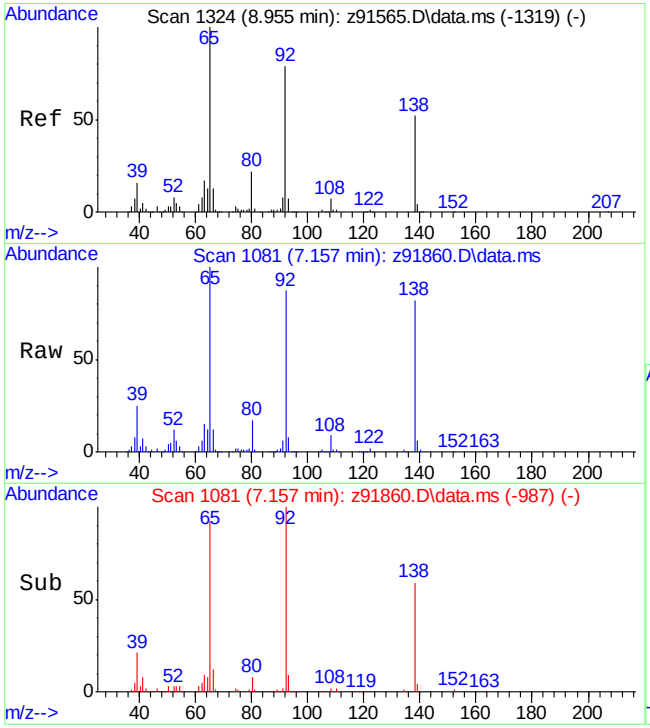


#57
2,6-Dinitrotoluene
Concen: 48.21 ppb
RT: 6.954 min Scan# 1043
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 231218

Ion	Ratio	Lower	Upper
165	100		
89	55.1	24.1	84.1
121	20.4	0.0	50.1

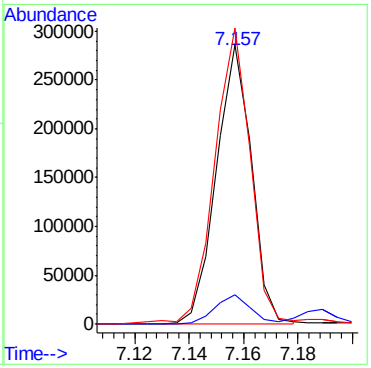




#58
3-Nitroaniline
Concen: 42.22 ppb
RT: 7.157 min Scan# 1081
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

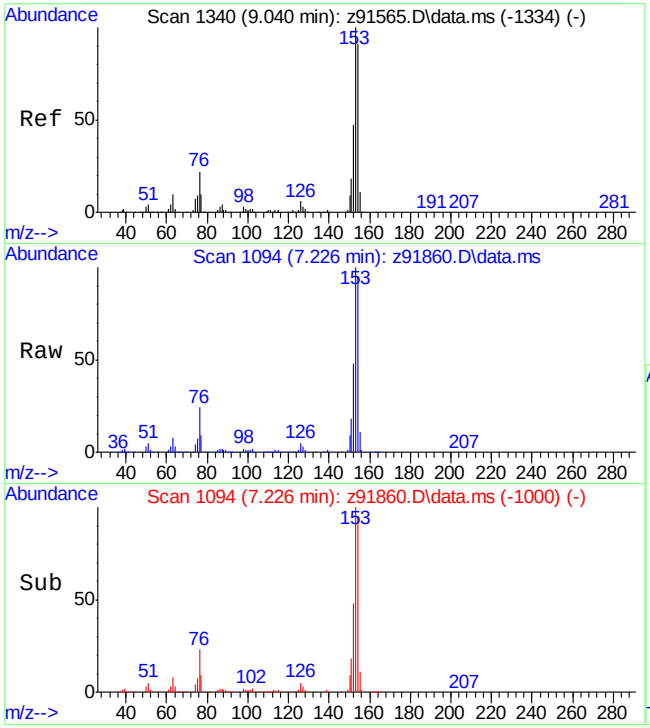
Tgt Ion:138 Resp: 255928

Ion	Ratio	Lower	Upper
138	100		
108	9.7	0.0	38.7
92	105.3	69.9	129.9



9.6.169

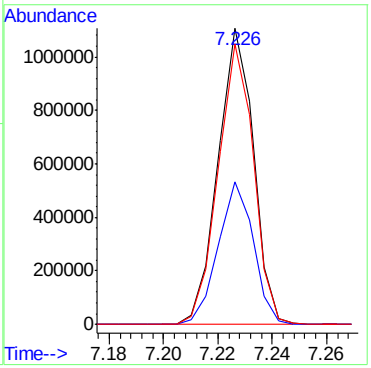
6

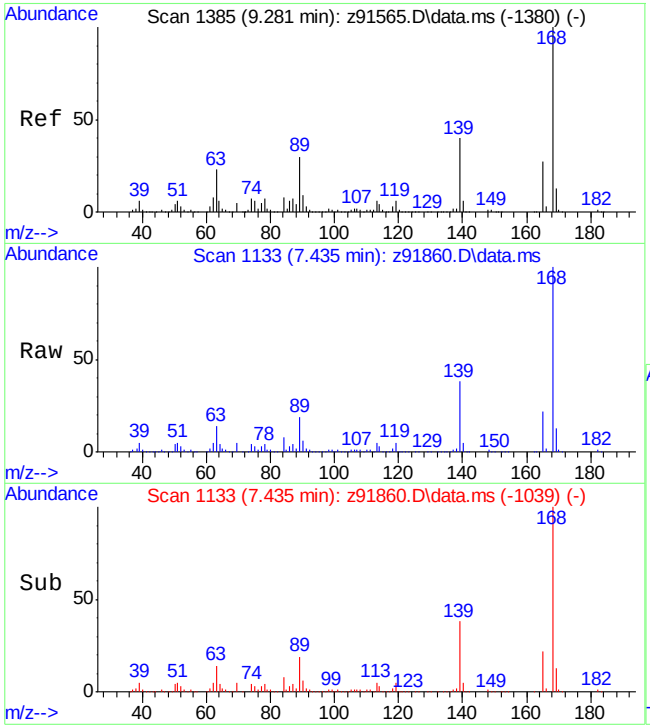


#59
Acenaphthene
Concen: 45.95 ppb
RT: 7.226 min Scan# 1094
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:153 Resp: 1000997

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.4	77.4
154	94.5	65.9	125.9

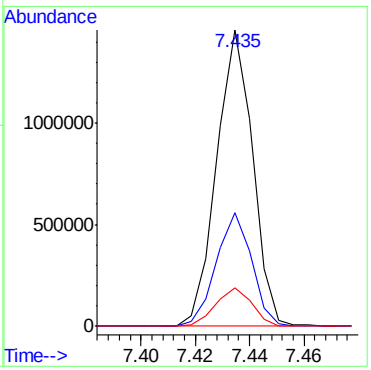


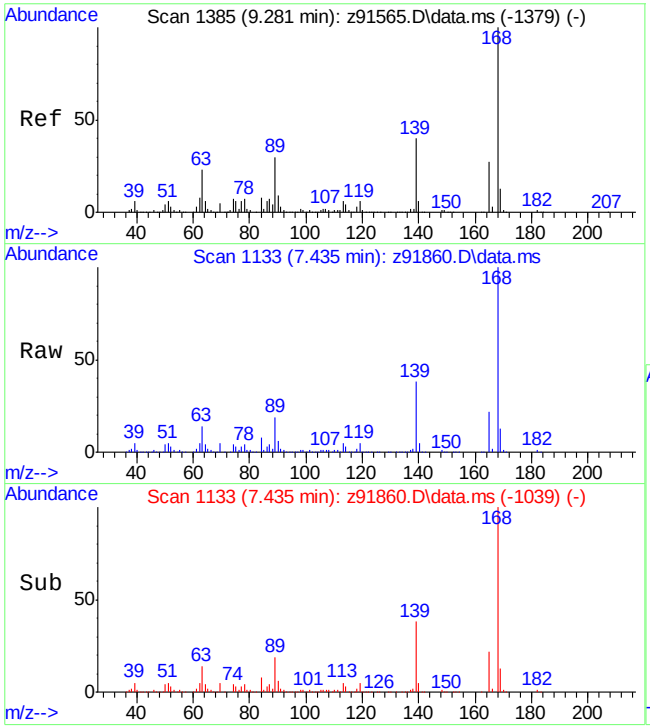


#62
Dibenzofuran
Concen: 44.21 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:168 Resp: 1336051

Ion	Ratio	Lower	Upper
168	100		
139	38.3	0.0	56.5
169	12.8	0.0	42.8

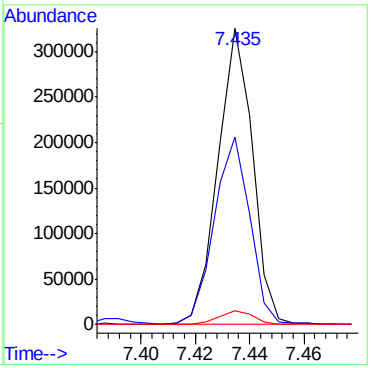


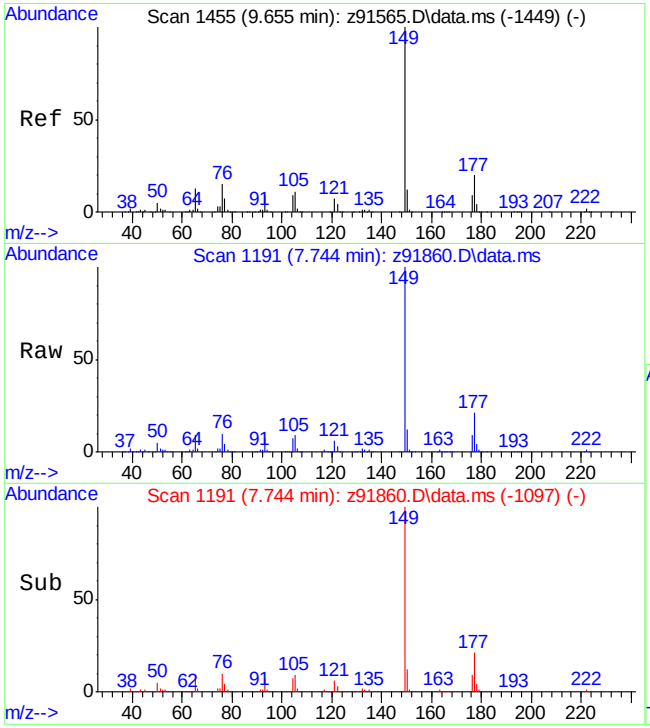


#63
2,4-Dinitrotoluene
Concen: 44.00 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 288048

Ion	Ratio	Lower	Upper
165	100		
63	63.4	1.3	61.3#
182	4.5	0.0	34.7

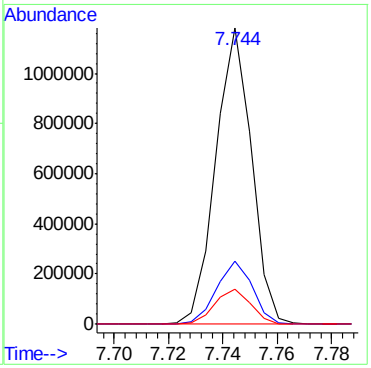


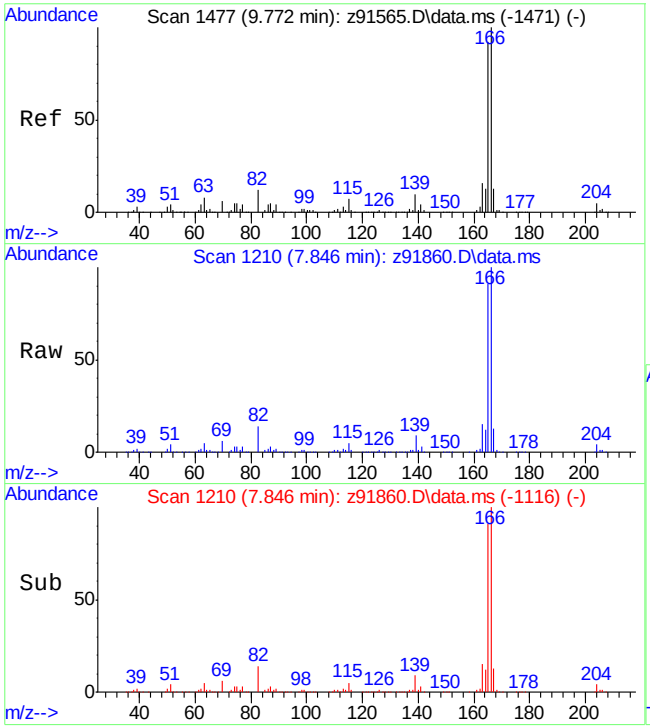


#65
Diethylphthalate
Concen: 47.19 ppb
RT: 7.744 min Scan# 1191
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1075149

Ion	Ratio	Lower	Upper
149	100		
177	21.2	0.0	51.1
150	11.6	0.0	41.7

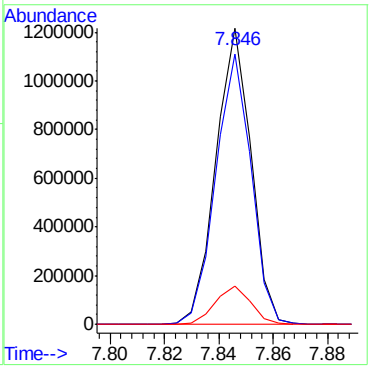


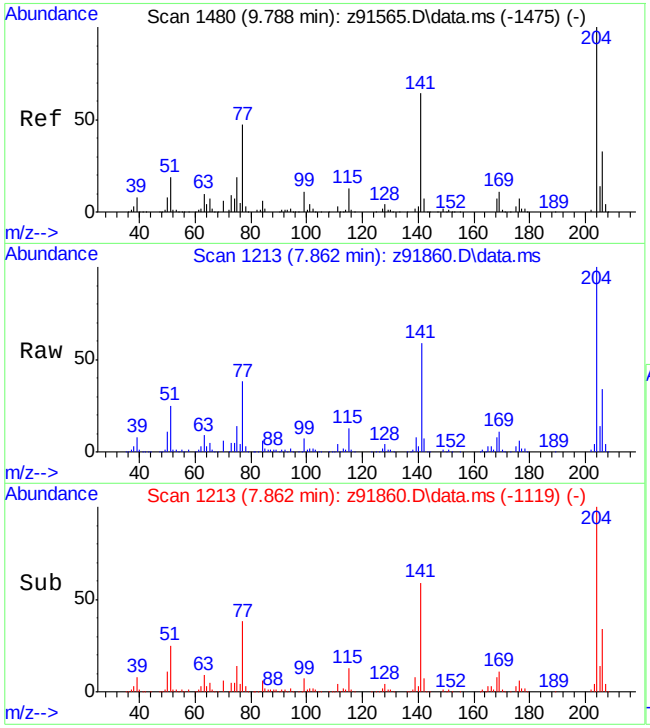


#66
Fluorene
Concen: 46.06 ppb
RT: 7.846 min Scan# 1210
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:166 Resp: 1088626

Ion	Ratio	Lower	Upper
166	100		
165	91.3	60.3	120.3
167	13.0	0.0	42.9

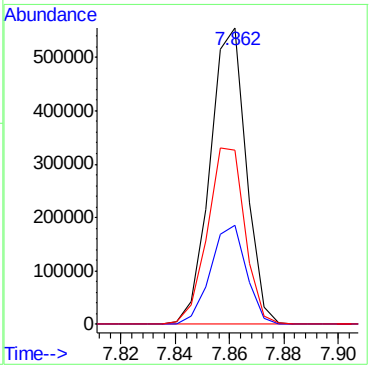


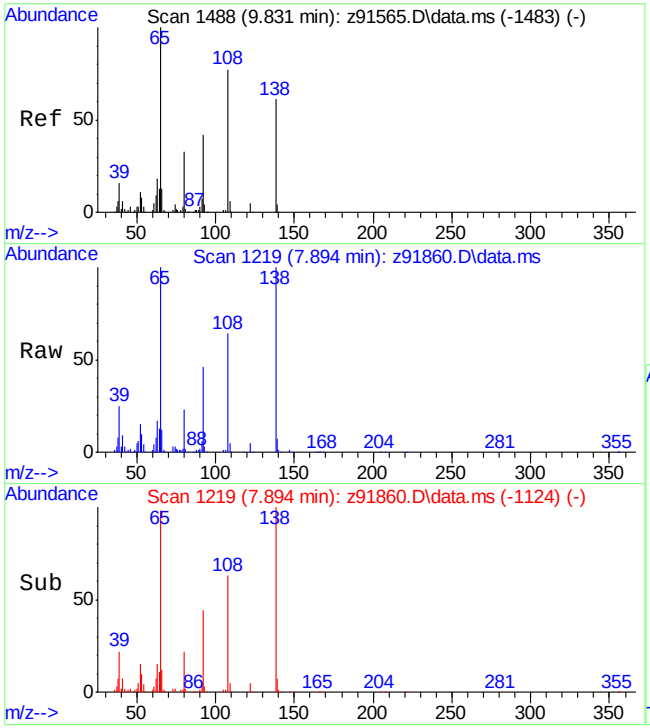


#67
4-Chlorophenyl-phenylether
Concen: 46.23 ppb
RT: 7.862 min Scan# 1213
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:204 Resp: 511306

Ion	Ratio	Lower	Upper
204	100		
206	33.6	2.1	62.1
141	58.9	25.2	85.2

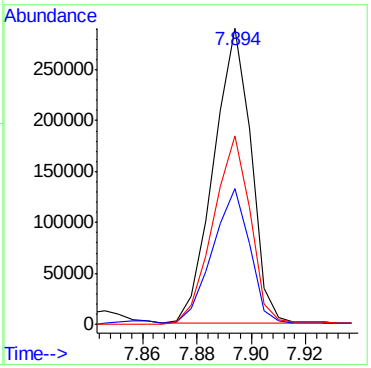


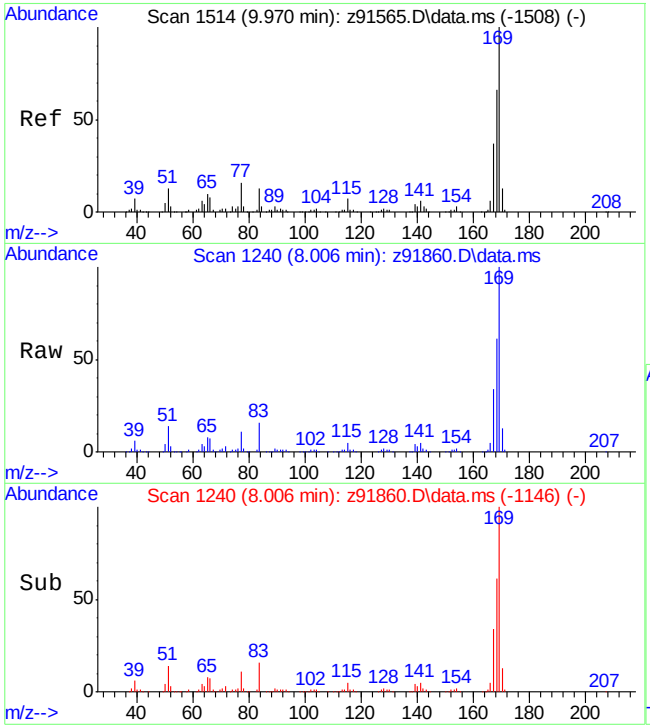


#68
4-Nitroaniline
Concen: 45.45 ppb
RT: 7.894 min Scan# 1219
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:138 Resp: 276131

Ion	Ratio	Lower	Upper
138	100		
92	45.7	12.9	72.9
108	63.4	26.4	86.4

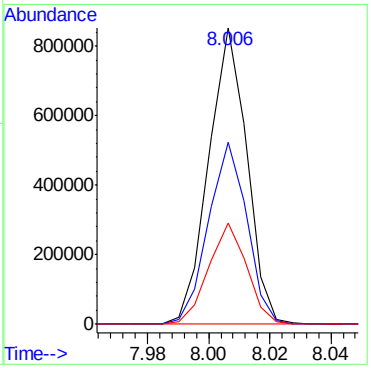


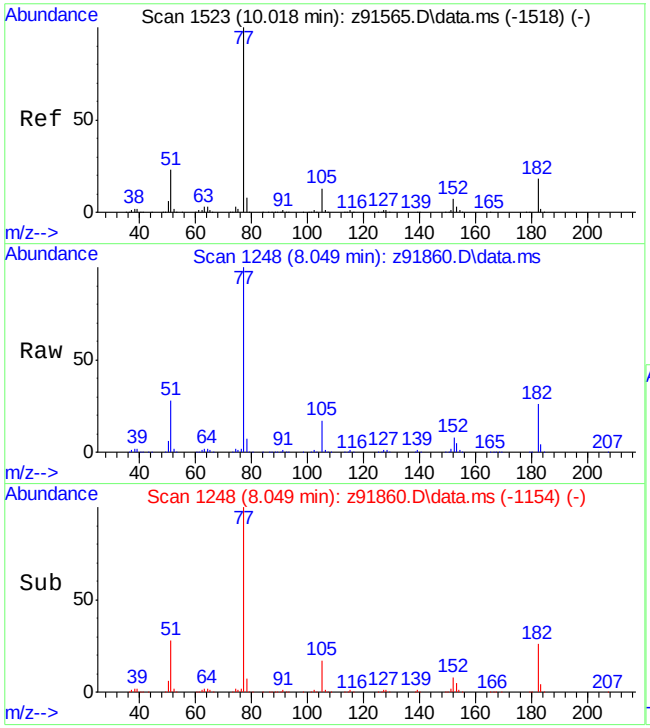


#71
n-Nitrosodiphenylamine
Concen: 48.46 ppb
RT: 8.006 min Scan# 1240
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:169 Resp: 736622

Ion	Ratio	Lower	Upper
169	100		
168	61.3	31.9	91.9
167	34.2	3.5	63.5

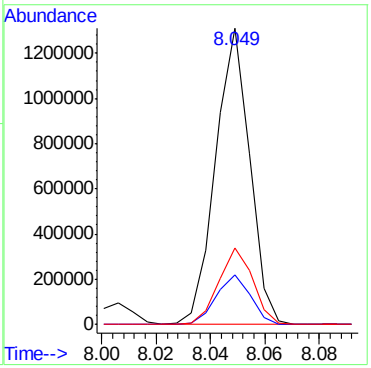


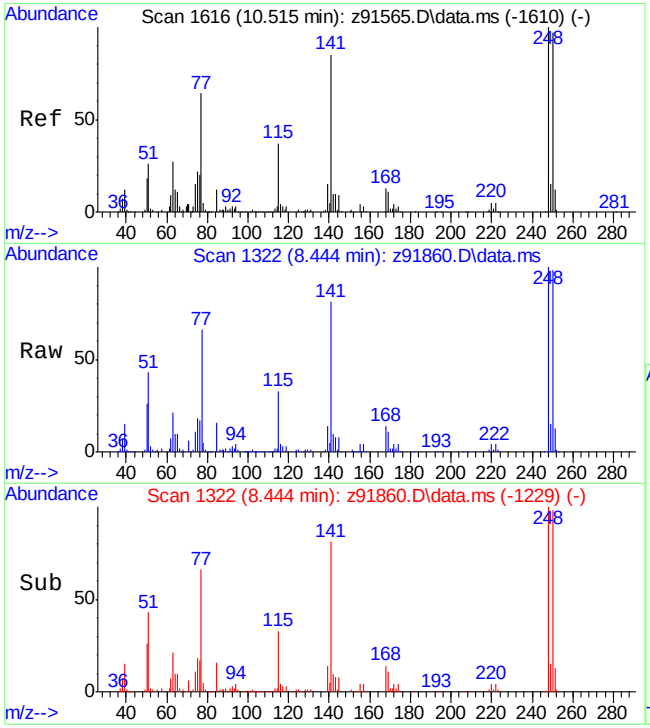


#72
1,2-Diphenylhydrazine
Concen: 48.20 ppb
RT: 8.049 min Scan# 1248
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 1139263

Ion	Ratio	Lower	Upper
77	100		
105	16.5	0.0	47.1
182	25.7	0.0	58.4

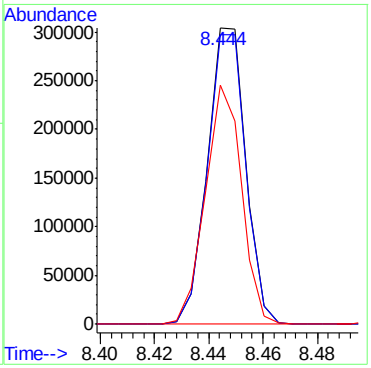


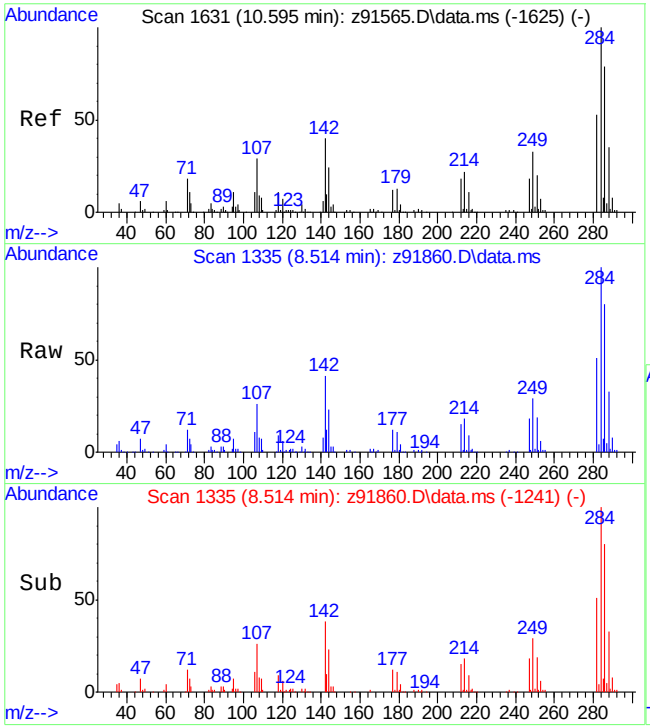


#74
4-Bromophenyl-phenylether
Concen: 48.44 ppb
RT: 8.444 min Scan# 1322
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:248 Resp: 298366

Ion	Ratio	Lower	Upper
248	100		
250	97.8	65.5	125.5
141	80.8	34.6	94.6

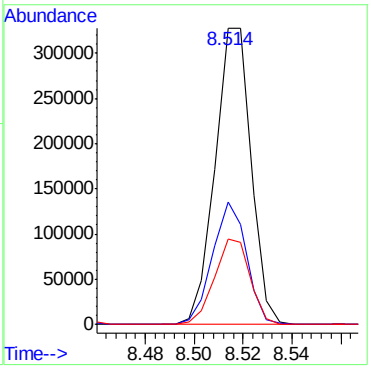


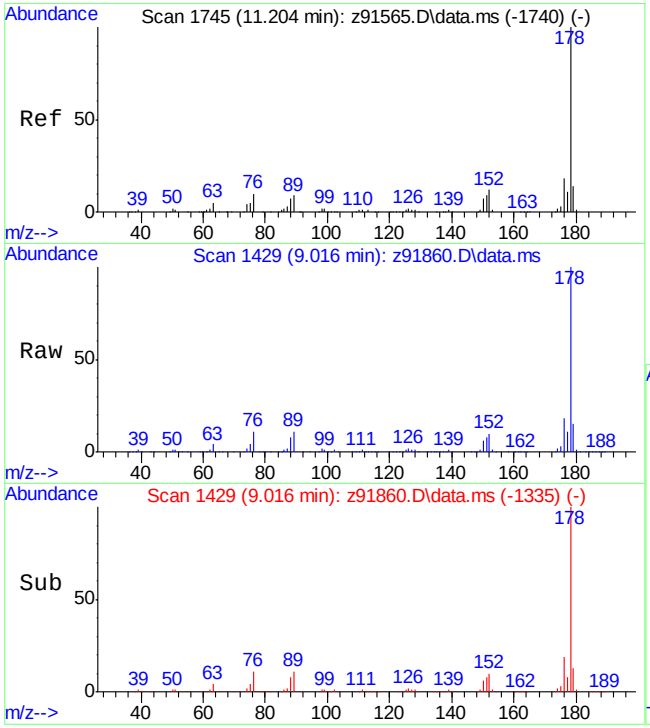


#75
Hexachlorobenzene
Concen: 46.00 ppb
RT: 8.514 min Scan# 1335
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:284 Resp: 338052

Ion	Ratio	Lower	Upper
284	100		
142	41.5	5.8	65.8
249	28.9	0.0	57.6

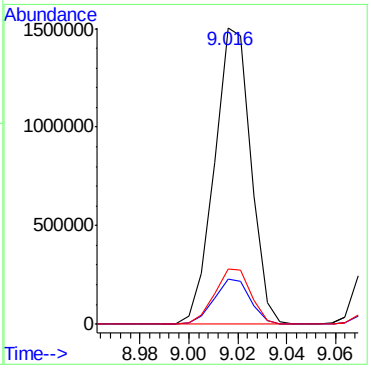


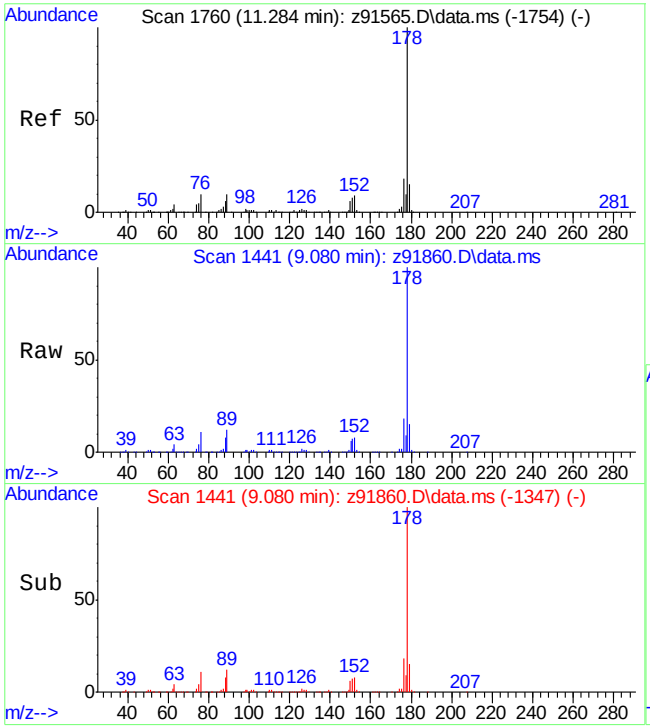


#77
Phenanthrene
Concen: 44.66 ppb
RT: 9.016 min Scan# 1429
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1558276

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.1
176	18.5	0.0	48.1

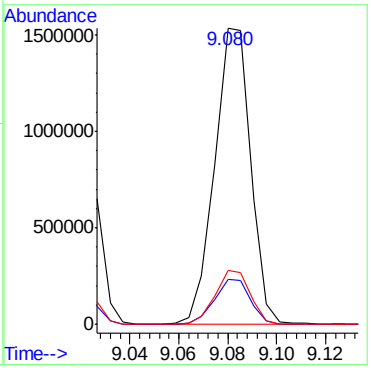


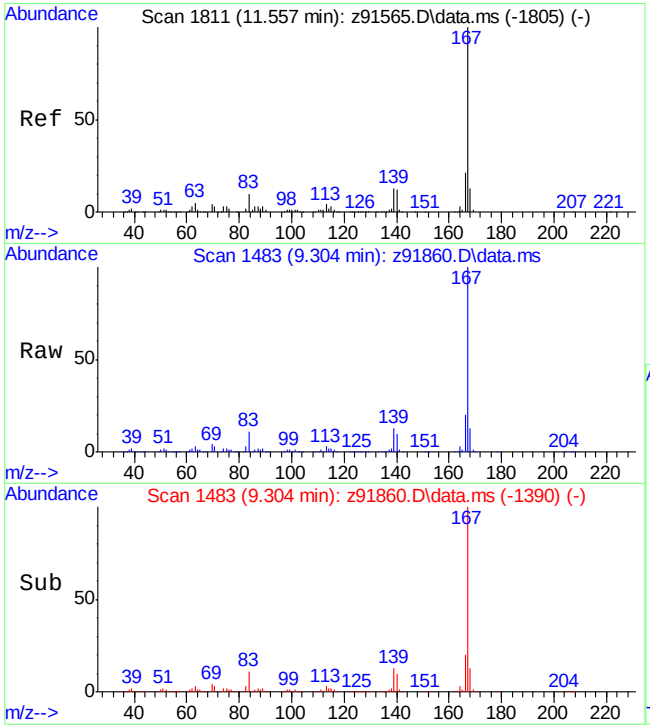


#78
Anthracene
Concen: 46.66 ppb
RT: 9.080 min Scan# 1441
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1578056

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.0
176	18.1	0.0	47.8

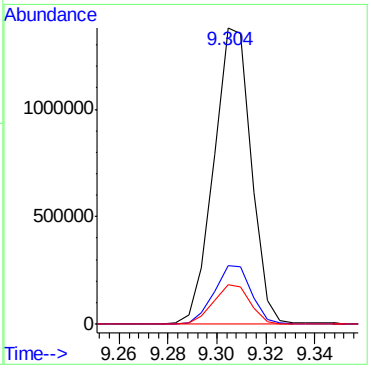


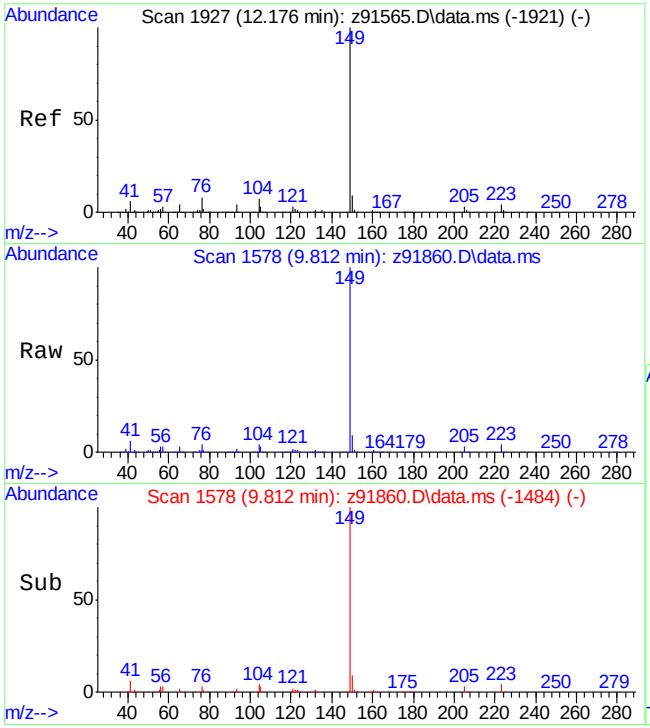


#79
Carbazole
Concen: 41.76 ppb
RT: 9.304 min Scan# 1483
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:167 Resp: 1463099

Ion	Ratio	Lower	Upper
167	100		
166	19.6	0.0	49.8
139	13.5	0.0	43.1

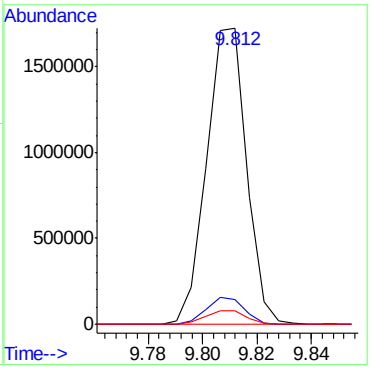


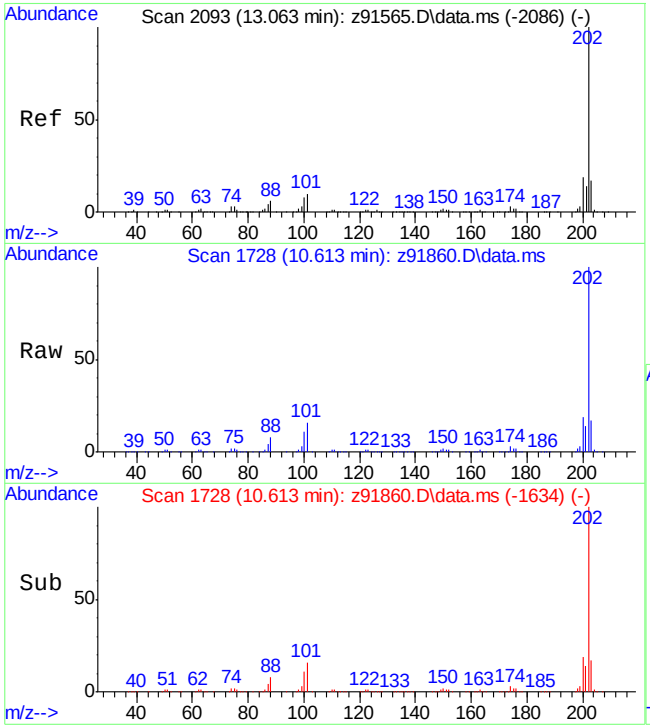


#80
Di-n-butylphthalate
Concen: 50.88 ppb
RT: 9.812 min Scan# 1578
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1750963

Ion	Ratio	Lower	Upper
149	100		
150	8.5	0.0	38.8
104	4.5	0.0	34.5

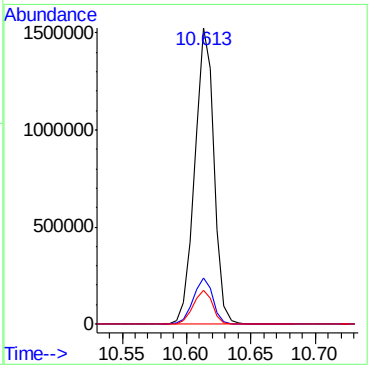


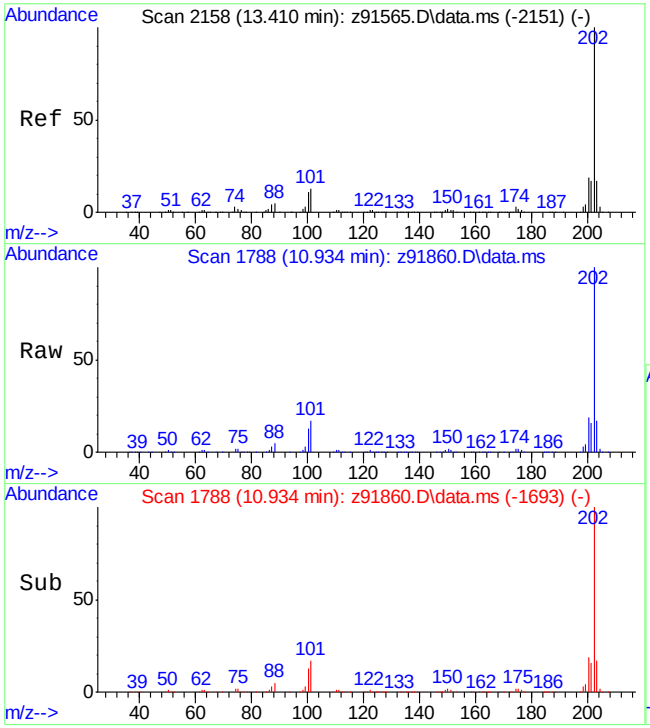


#81
Fluoranthene
Concen: 47.32 ppb
RT: 10.613 min Scan# 1728
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1607725

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	47.1
100	11.5	0.0	42.5

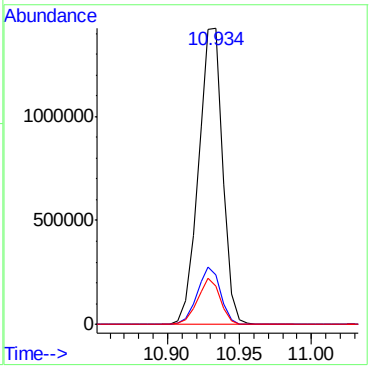


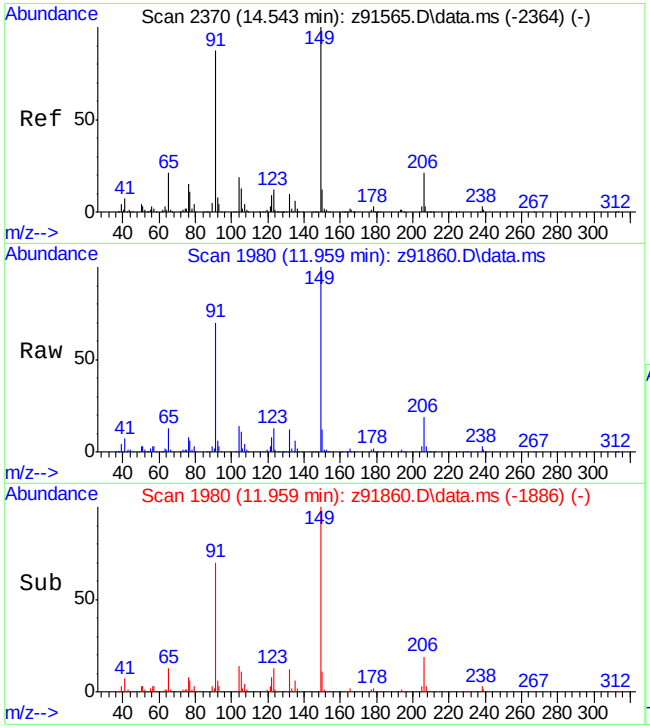


#84
Pyrene
Concen: 48.07 ppb
RT: 10.934 min Scan# 1788
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1670566

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	48.4
100	13.0	0.0	44.6

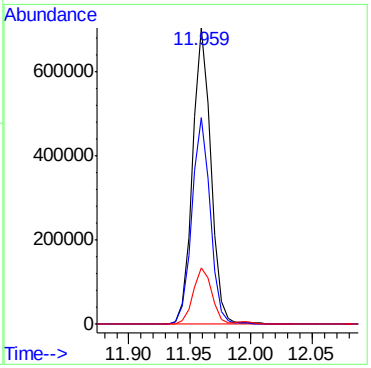


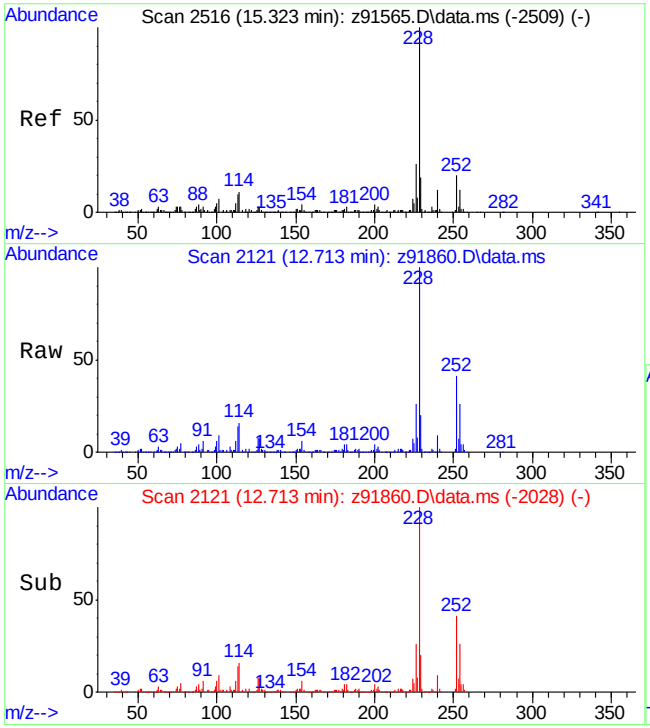


#87
Butylbenzylphthalate
Concen: 52.20 ppb
RT: 11.959 min Scan# 1980
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 731635

Ion	Ratio	Lower	Upper
149	100		
91	69.8	38.7	98.7
206	19.0	0.0	49.5

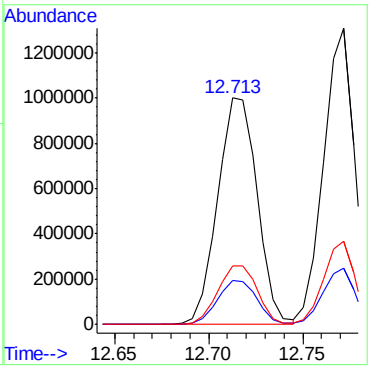


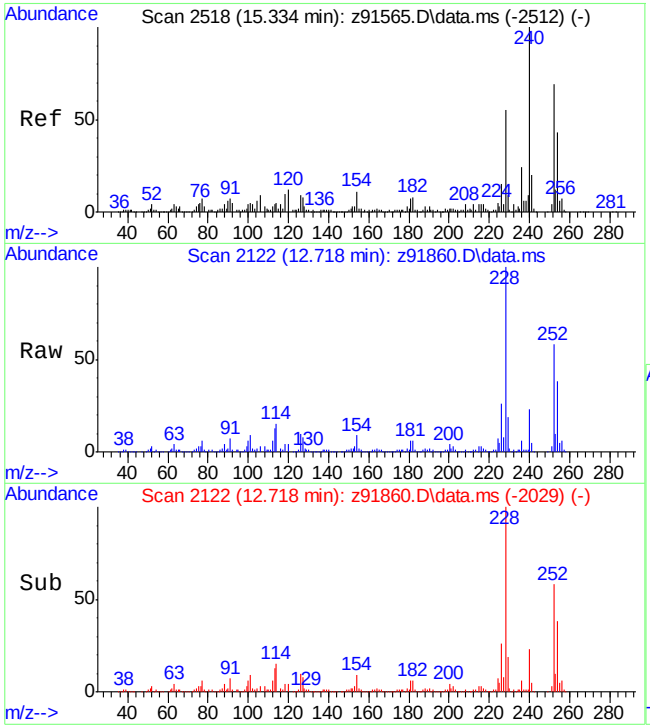


#88
Benzo[a]anthracene
Concen: 46.48 ppb
RT: 12.713 min Scan# 2121
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1456967

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.3
226	25.8	0.0	55.6

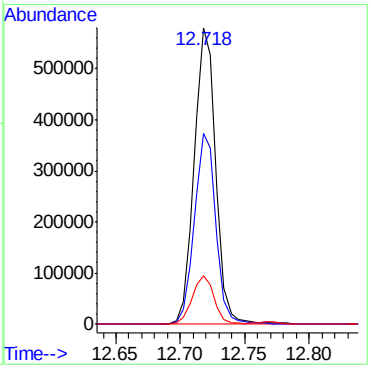


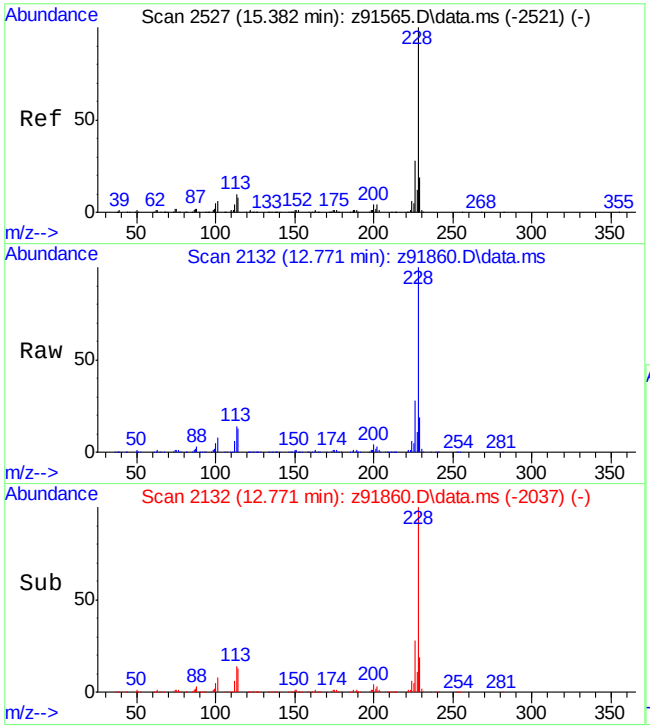


#89
3,3'-Dichlorobenzidine
Concen: 66.53 ppb
RT: 12.718 min Scan# 2122
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 685540

Ion	Ratio	Lower	Upper
252	100		
254	64.4	33.8	93.8
126	16.5	0.0	46.0

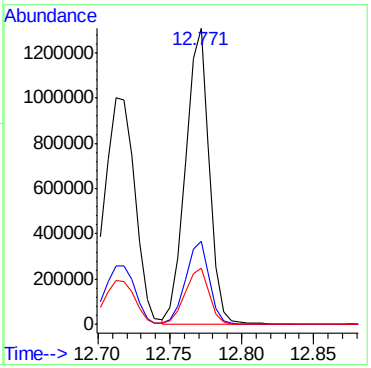


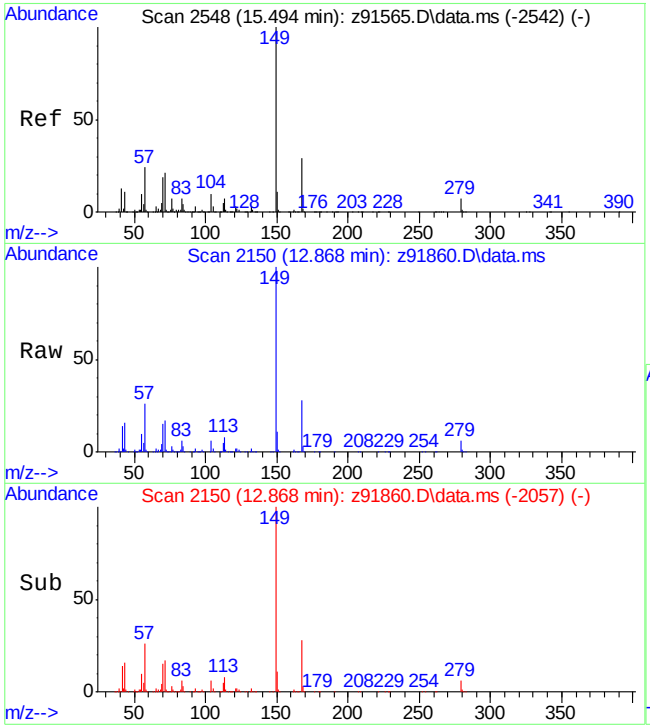


#90
Chrysene
Concen: 48.34 ppb
RT: 12.771 min Scan# 2132
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1504371

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	58.5
229	18.9	0.0	49.0

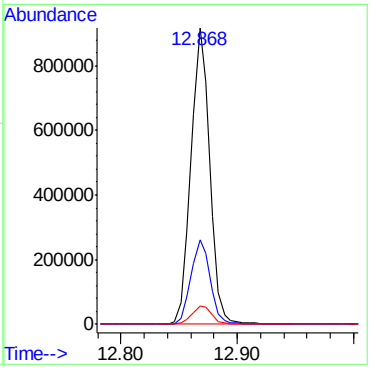


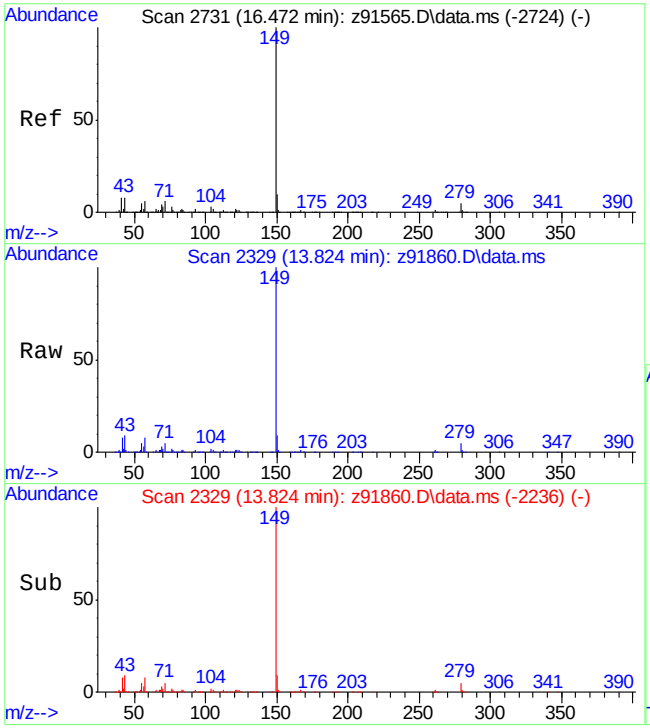


#91
bis(2-Ethylhexyl)phthalate
Concen: 53.48 ppb
RT: 12.868 min Scan# 2150
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1018064

Ion	Ratio	Lower	Upper
149	100		
167	28.4	0.0	58.7
279	6.2	0.0	36.2

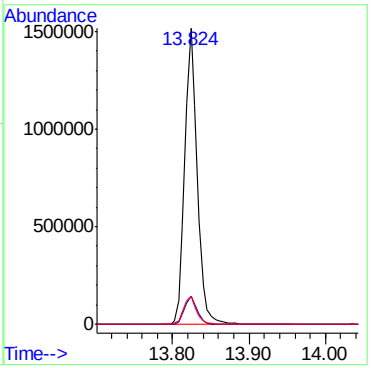


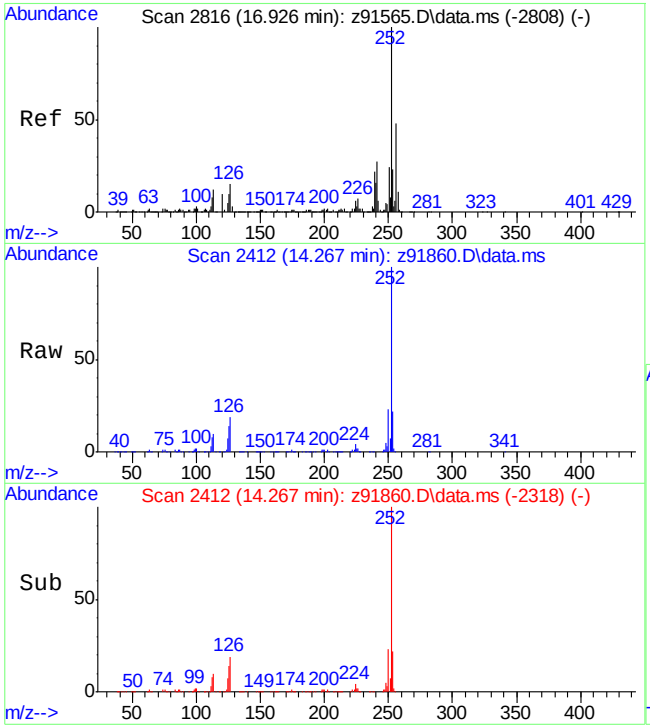


#93
Di-n-octylphthalate
Concen: 48.95 ppb
RT: 13.824 min Scan# 2329
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1711925

Ion	Ratio	Lower	Upper
149	100		
150	9.4	0.0	39.4
43	9.4	0.0	39.1

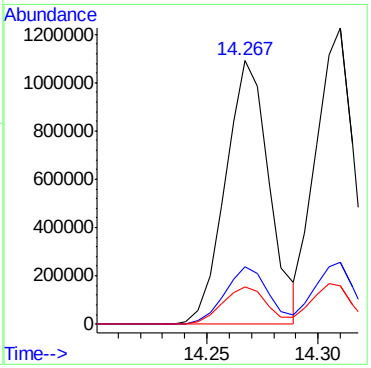


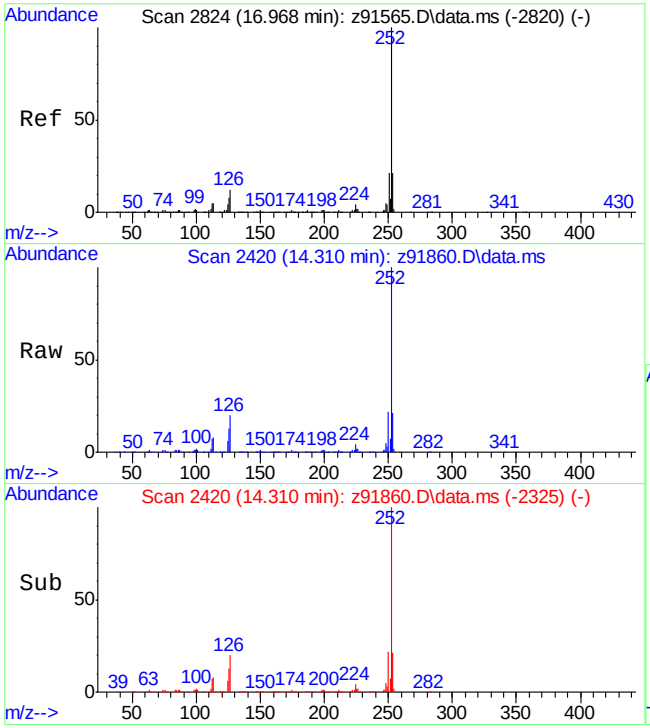


#94
Benzo[b]fluoranthene
Concen: 47.55 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1490447

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	54.0
125	14.0	0.0	47.1

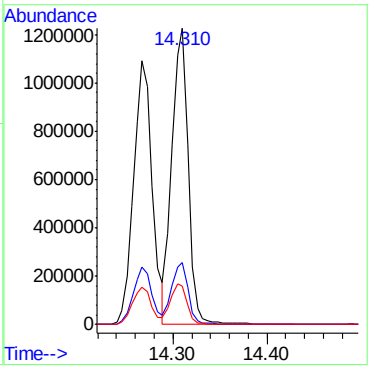


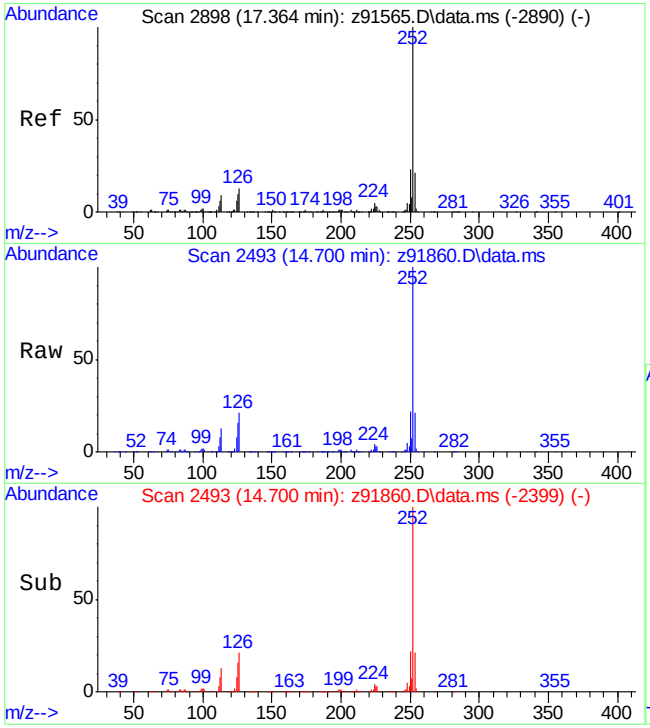


#95
Benzo[k]fluoranthene
Concen: 45.40 ppb
RT: 14.310 min Scan# 2420
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1469644

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.2
125	12.7	0.0	45.0

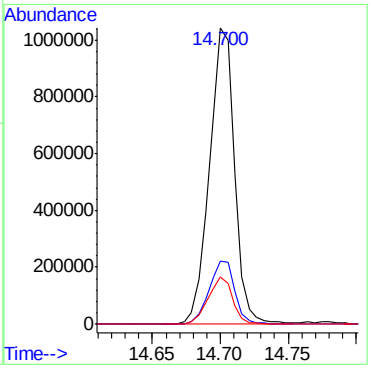


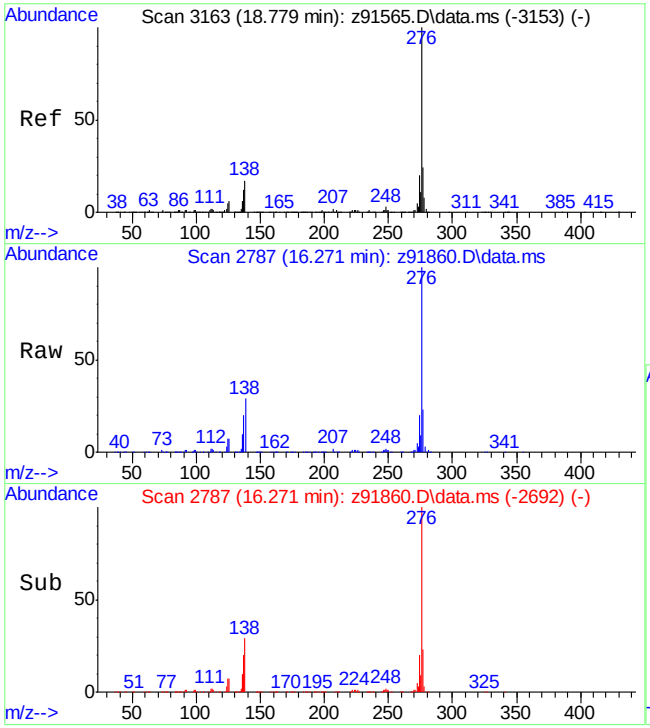


#96
Benzo[a]pyrene
Concen: 48.12 ppb
RT: 14.700 min Scan# 2493
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1339666

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.6
125	15.9	0.0	47.1

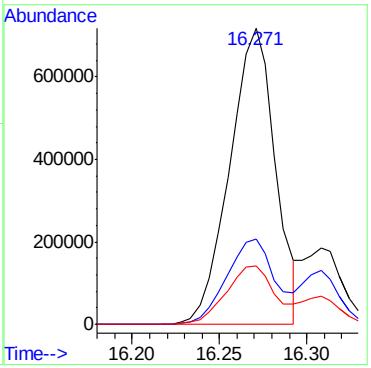


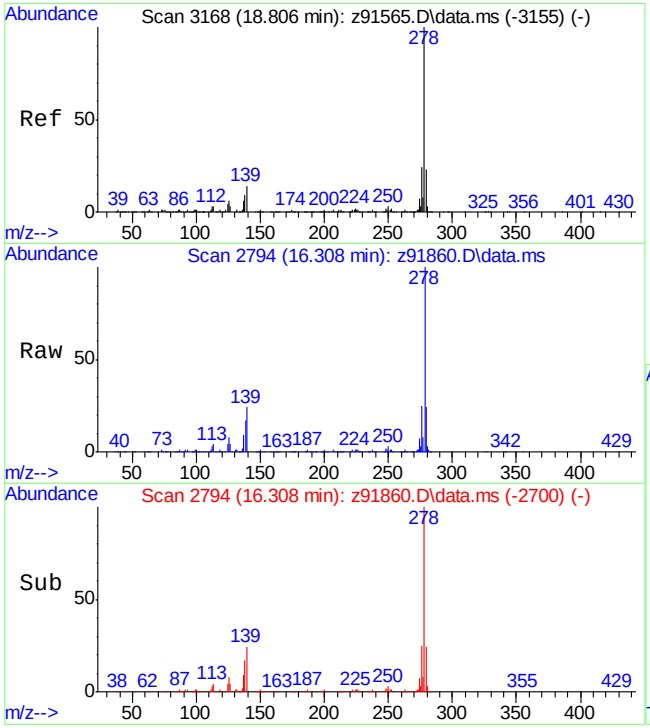


#97
Indeno[1,2,3-cd]pyrene
Concen: 48.58 ppb
RT: 16.271 min Scan# 2787
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1304748

Ion	Ratio	Lower	Upper
276	100		
138	26.3	0.0	55.2
137	18.5	0.0	49.3

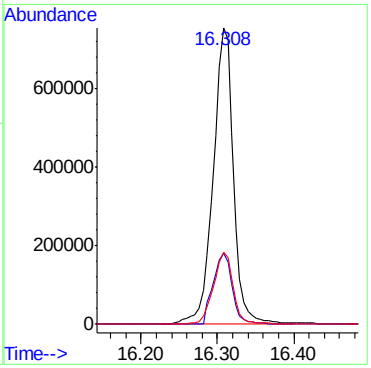


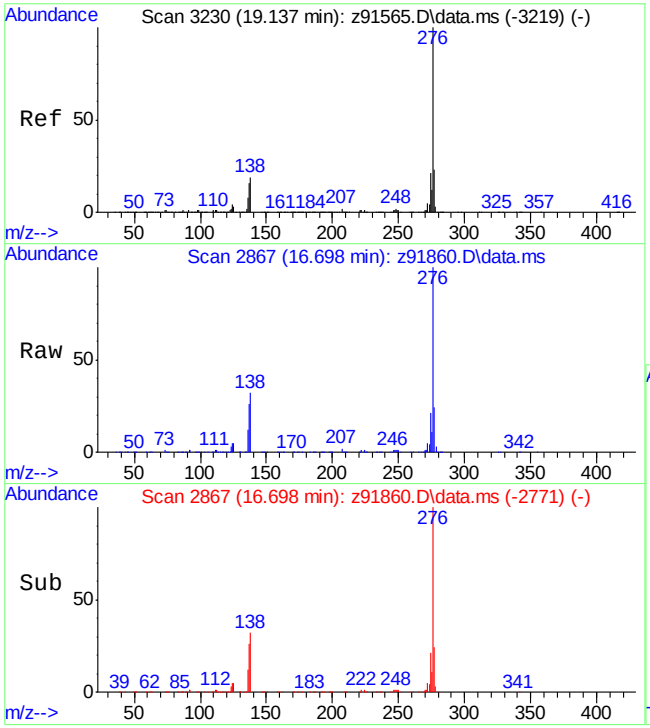


#99
Dibenz[a,h]anthracene
Concen: 48.86 ppb
RT: 16.308 min Scan# 2794
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:278 Resp: 1383911

Ion	Ratio	Lower	Upper
278	100		
139	23.8	0.0	54.1
279	24.4	0.0	53.2

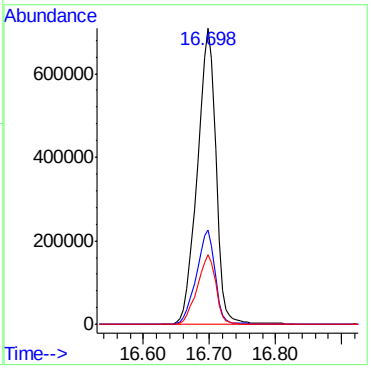




#101
Benzo[g,h,i]perylene
Concen: 49.12 ppb
RT: 16.698 min Scan# 2867
Delta R.T. 0.011 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1374342

Ion	Ratio	Lower	Upper
276	100		
138	31.8	3.7	63.7
277	23.7	0.0	53.6



9.6.169

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb		0.00
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb		0.00
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb		0.00
83) Chrysene-d12	12.723	240	1084642	40.00	ppb		-0.01
92) Perylene-d12	14.775	264	957548	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb		0.00
107) Chrysene-d12a	12.723	240	1084642	40.00	ppb		-0.01
110) Acenaphthene-d10a	7.183	164	674056	40.00	ppb		0.00
112) Naphthalene-d8a	5.127	136	1224773	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	226374	42.72	ppb		99
6) Indene	4.042	116	942222	44.96	ppb		97
7) Cumene	3.075	105	1279329	43.16	ppb		99
13) Decane	3.620	43	565933	39.93	ppb		97
18) Acetophenone	4.181	105	742272	43.33	ppb		96
26) Nitrobenzene	4.181	77	579593	48.58	ppb	#	35
27) Quinoline	5.527	129	1070405	43.63	ppb		99
40) 2,3-Dichloroaniline	6.291	161	444026	37.97	ppb		99
41) Caprolactam	5.591	55	229369	40.30	ppb		98
45) 1-Methylnaphthalene	6.067	141	873720	42.74	ppb		99
46) Dimethylnaphthalene	6.692	156	898145	43.36	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	303432	56.94	ppb		99
53) Biphenyl	6.510	154	1216191	42.66	ppb		99
82) Octadecane	8.909	57	696175	45.17	ppb		96
100) 7,12-Dimethylbenz(a)an...	14.267	256	592112	53.28	ppb		99

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

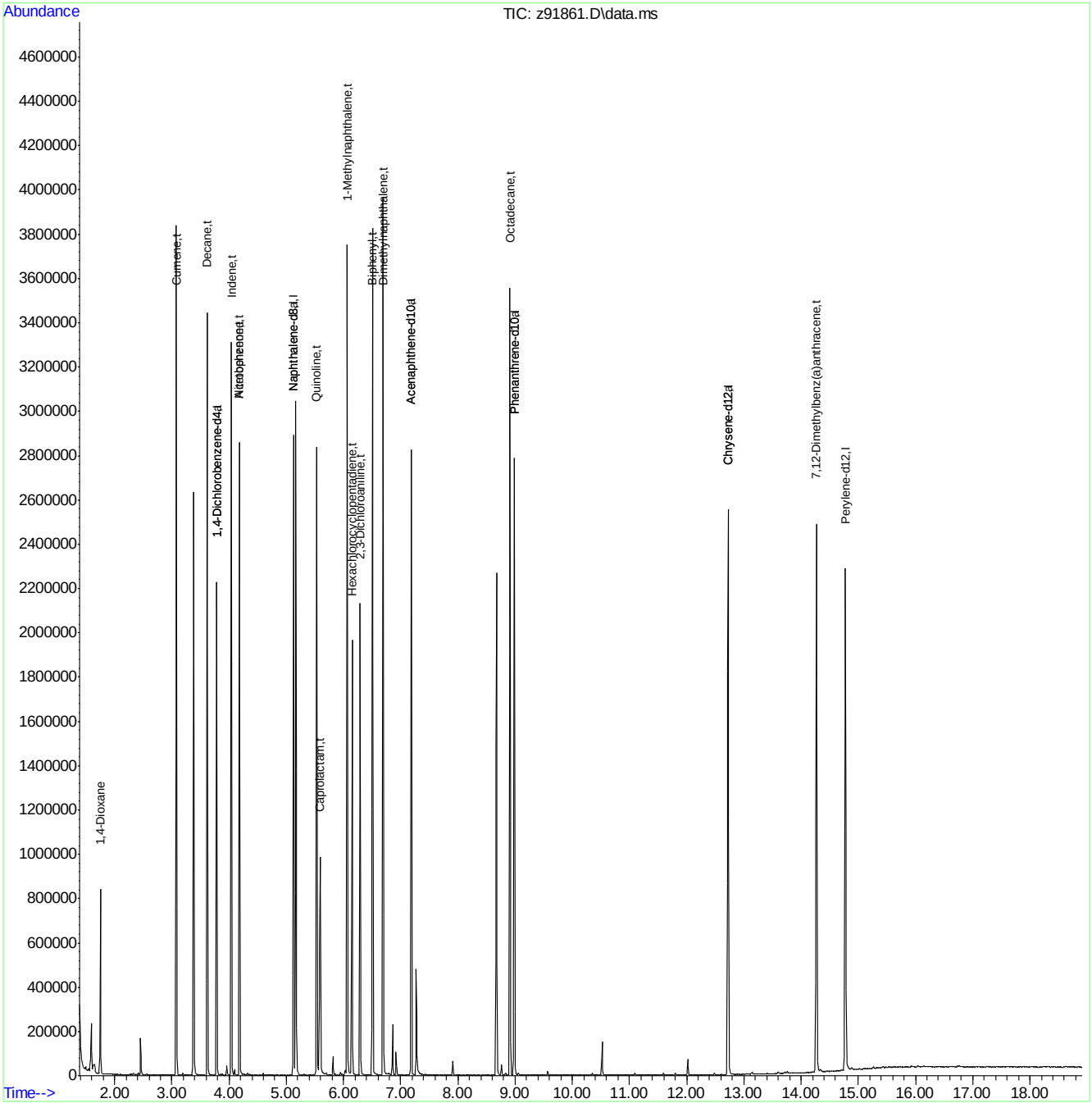
MZ4569.M Wed May 28 12:12:14 2014 RTE

ACCUTEST LABORATORIES JB69123

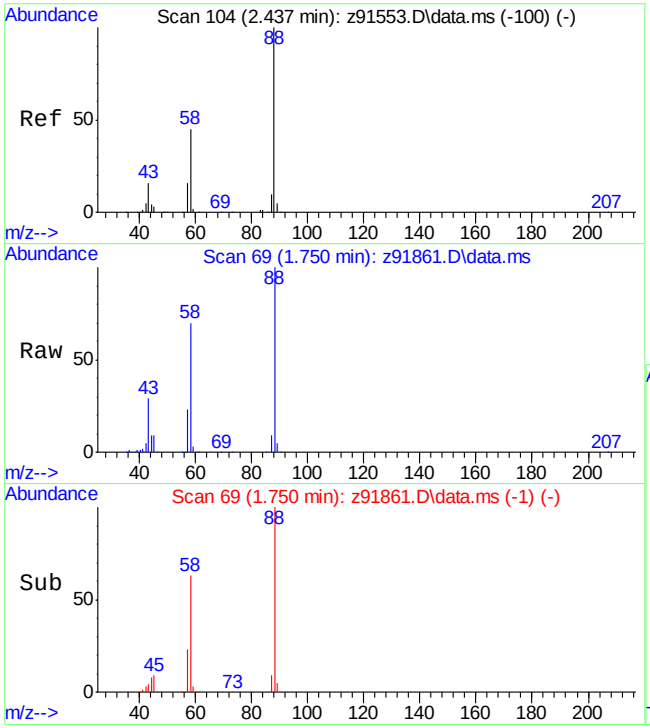
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



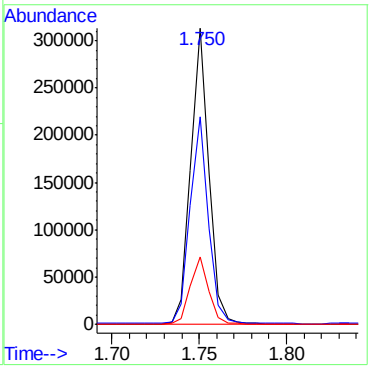
MZ4569.M Wed May 28 12:12:14 2014 RTE Page: 2

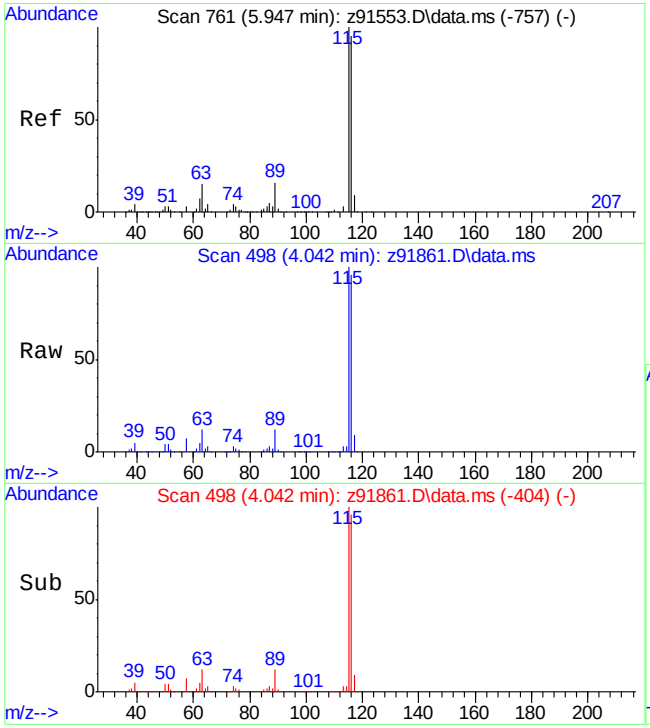


#2
1,4-Dioxane
Concen: 42.72 ppb
RT: 1.750 min Scan# 69
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 88 Resp: 226374

Ion	Ratio	Lower	Upper
88	100		
58	70.6	51.1	91.1
57	23.1	3.5	43.5

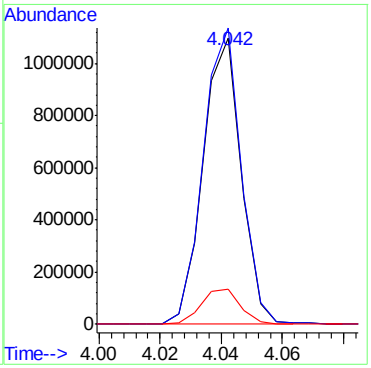


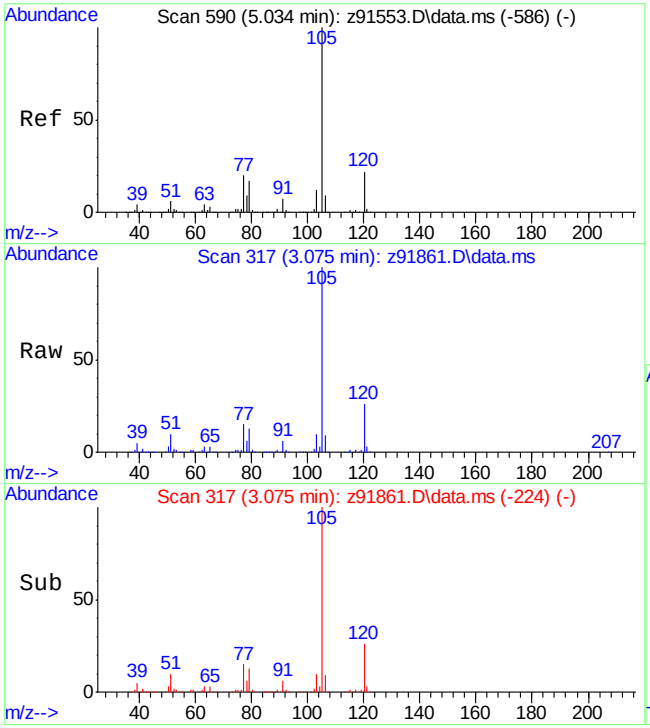


#6
Indene
Concen: 44.96 ppb
RT: 4.042 min Scan# 498
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:116 Resp: 942222

Ion	Ratio	Lower	Upper
116	100		
115	103.6	70.6	130.6
63	12.1	0.0	44.5

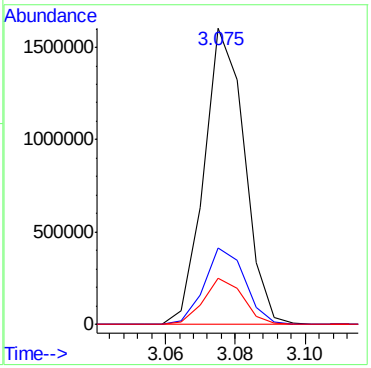


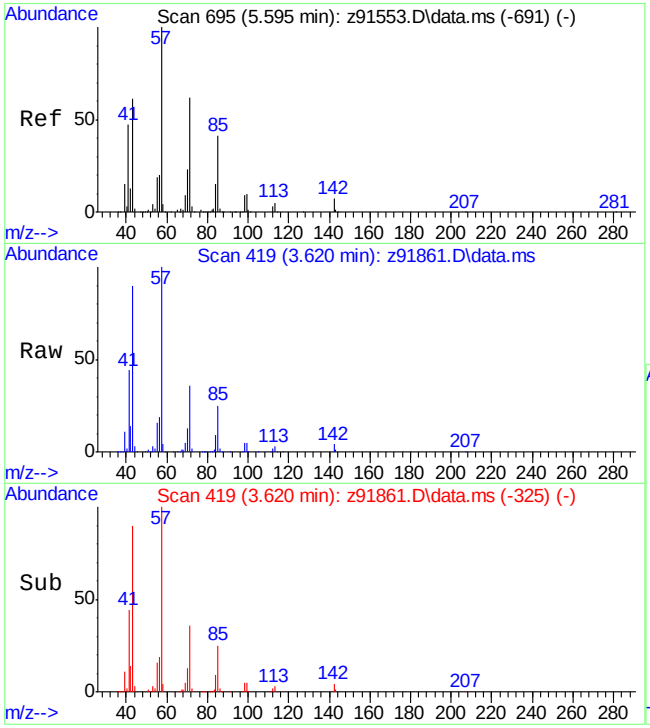


#7
Cumene
Concen: 43.16 ppb
RT: 3.075 min Scan# 317
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 1279329

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	55.6
77	15.4	0.0	44.9

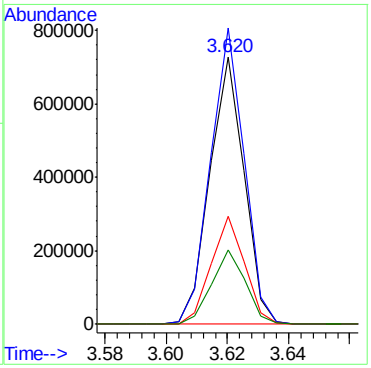


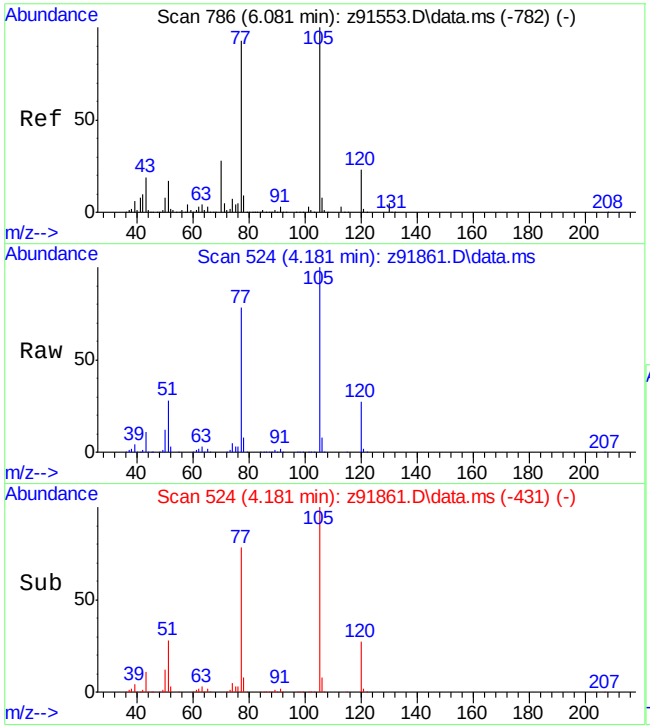


#13
Decane
Concen: 39.93 ppb
RT: 3.620 min Scan# 419
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 43 Resp: 565933

Ion	Ratio	Lower	Upper
43	100		
57	110.8	84.1	144.1
71	40.4	12.1	72.1
85	27.7	0.0	59.5

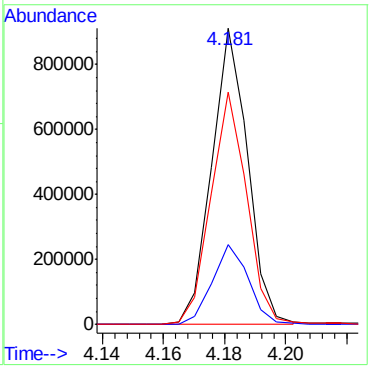


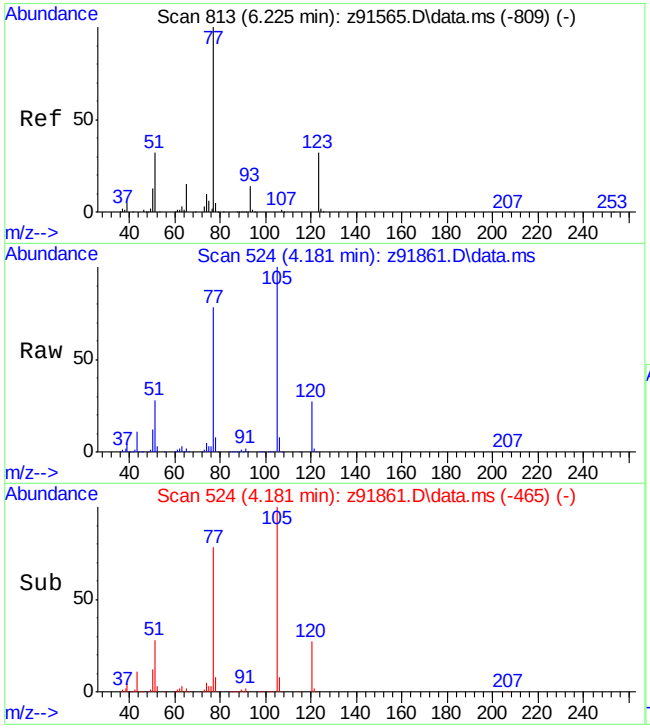


#18
Acetophenone
Concen: 43.33 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 742272

Ion	Ratio	Lower	Upper
105	100		
120	27.1	0.0	57.0
77	78.5	53.0	113.0

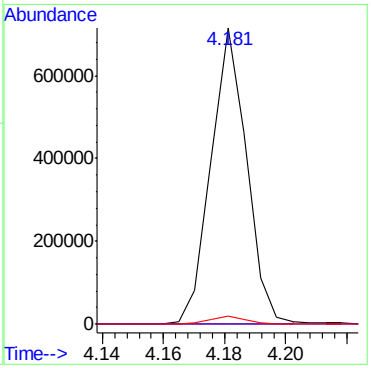


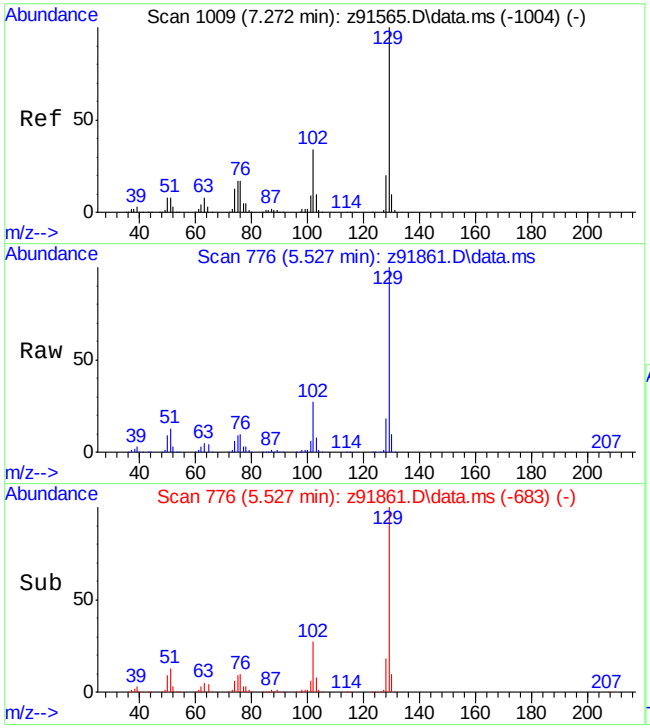


#26
Nitrobenzene
Concen: 48.58 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.187 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 77 Resp: 579593

Ion	Ratio	Lower	Upper
77	100		
123	0.0	22.5	82.5#
65	2.7	0.0	43.2

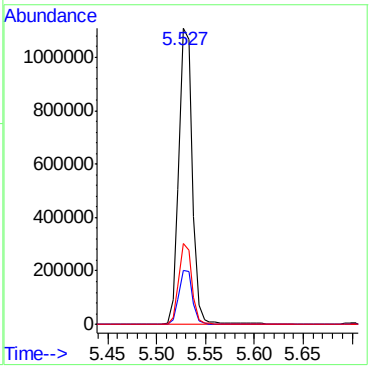


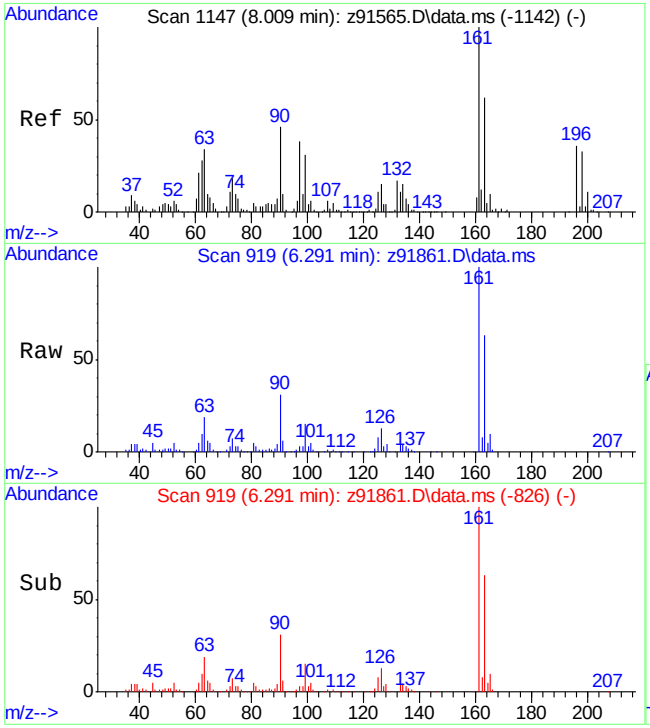


#27
Quinoline
Concen: 43.63 ppb
RT: 5.527 min Scan# 776
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:129 Resp: 1070405

Ion	Ratio	Lower	Upper
129	100		
128	18.2	0.0	48.9
102	27.1	0.0	57.0

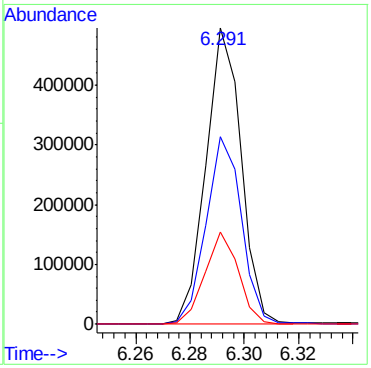


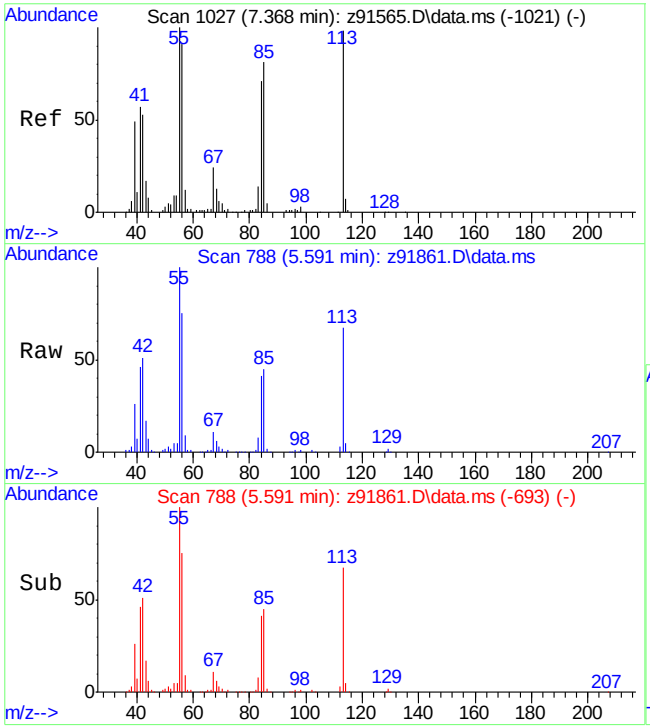


#40
2,3-Dichloroaniline
Concen: 37.97 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:161 Resp: 444026

Ion	Ratio	Lower	Upper
161	100		
163	63.3	32.9	92.9
90	31.3	0.0	59.9

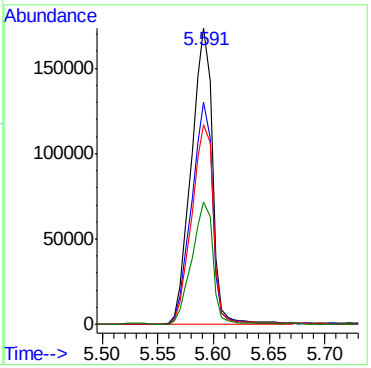


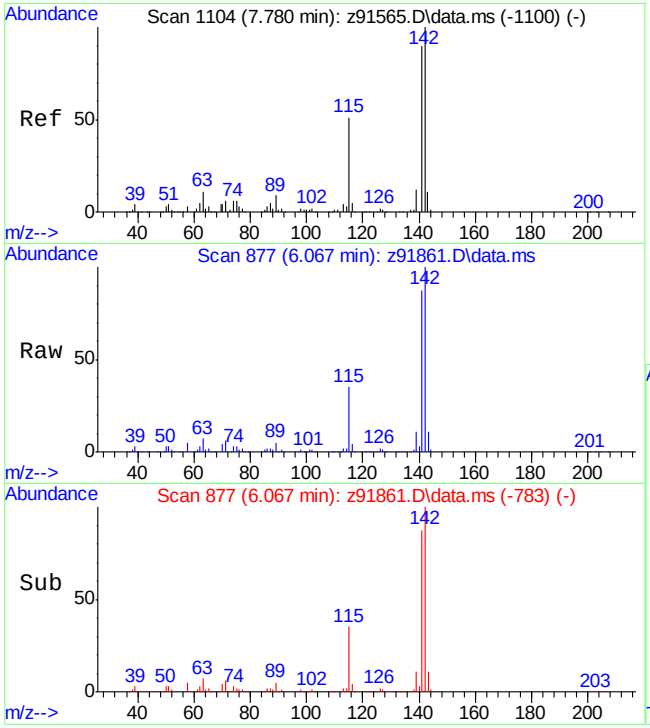


#41
Caprolactam
Concen: 40.30 ppb
RT: 5.591 min Scan# 788
Delta R.T. 0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 55 Resp: 229369

Ion	Ratio	Lower	Upper
55	100		
56	74.9	41.8	101.8
113	67.4	37.3	97.3
84	41.2	10.0	70.0

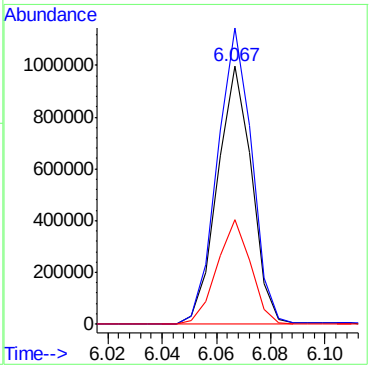


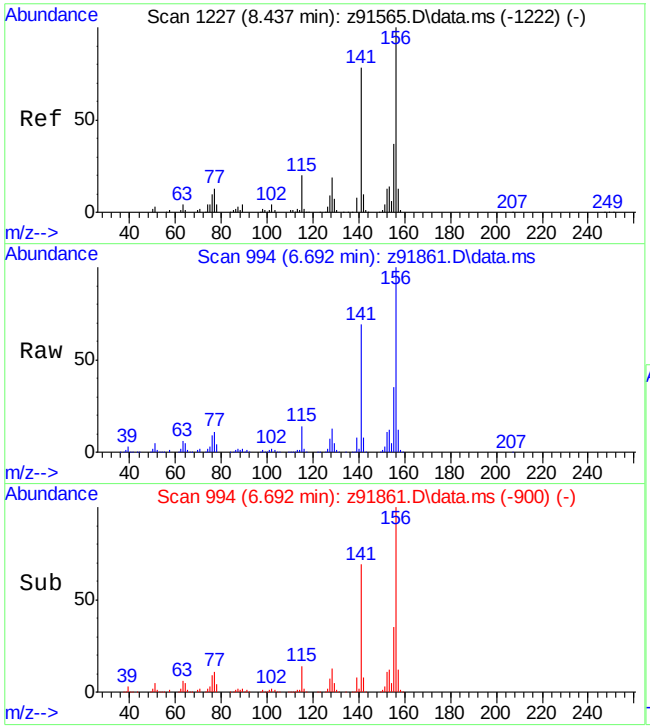


#45
1-Methylnaphthalene
Concen: 42.74 ppb
RT: 6.067 min Scan# 877
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:141 Resp: 873720

Ion	Ratio	Lower	Upper
141	100		
142	114.6	84.9	144.9
115	40.3	9.0	69.0

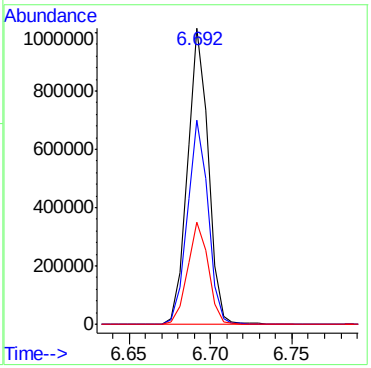


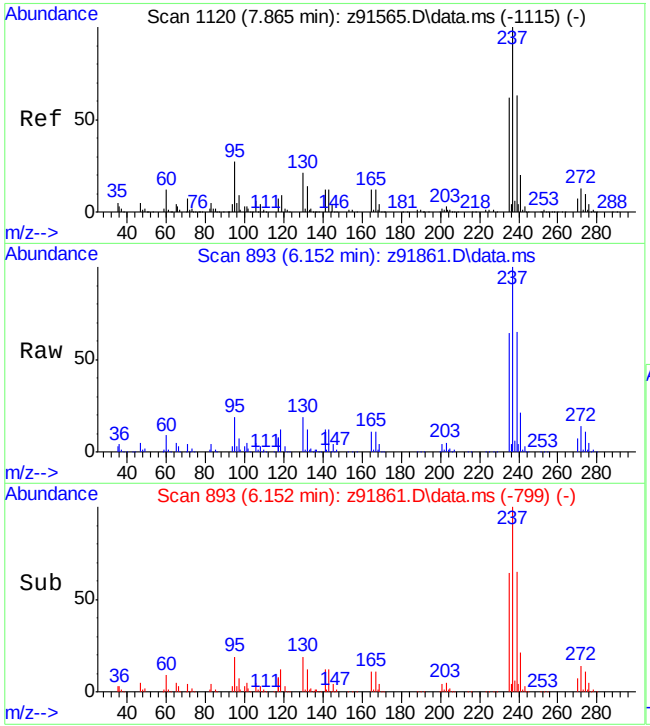


#46
Dimethylnaphthalene
Concen: 43.36 ppb
RT: 6.692 min Scan# 994
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:156 Resp: 898145

Ion	Ratio	Lower	Upper
156	100		
141	69.0	39.1	99.1
155	34.6	5.0	65.0

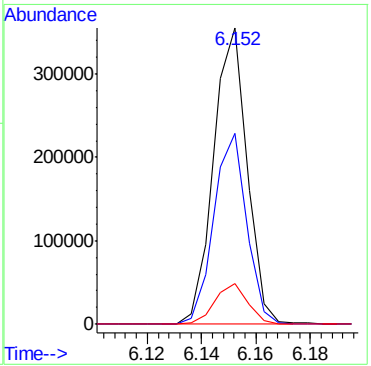


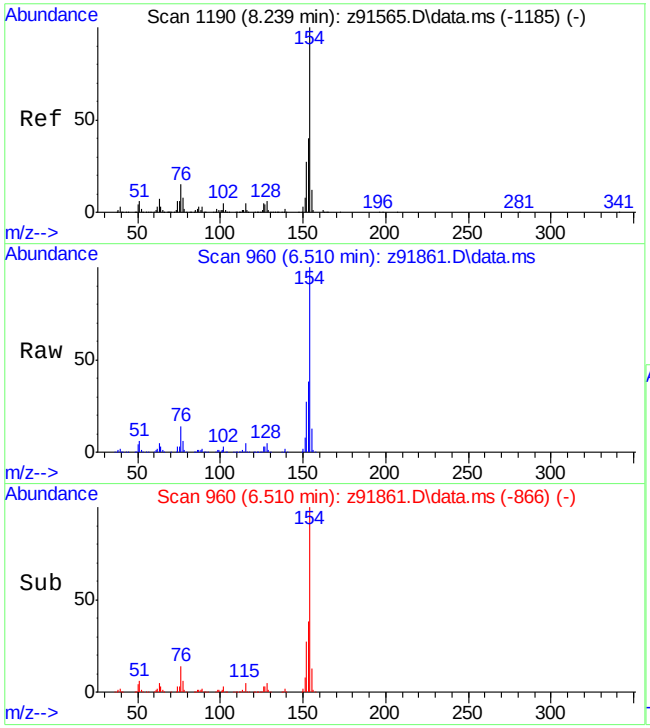


#48
Hexachlorocyclopentadiene
Concen: 56.94 ppb
RT: 6.152 min Scan# 893
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:237 Resp: 303432

Ion	Ratio	Lower	Upper
237	100		
235	64.3	33.9	93.9
272	13.7	0.0	43.3

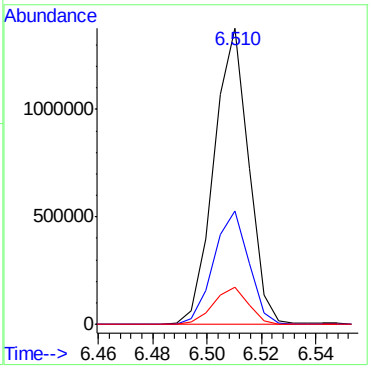


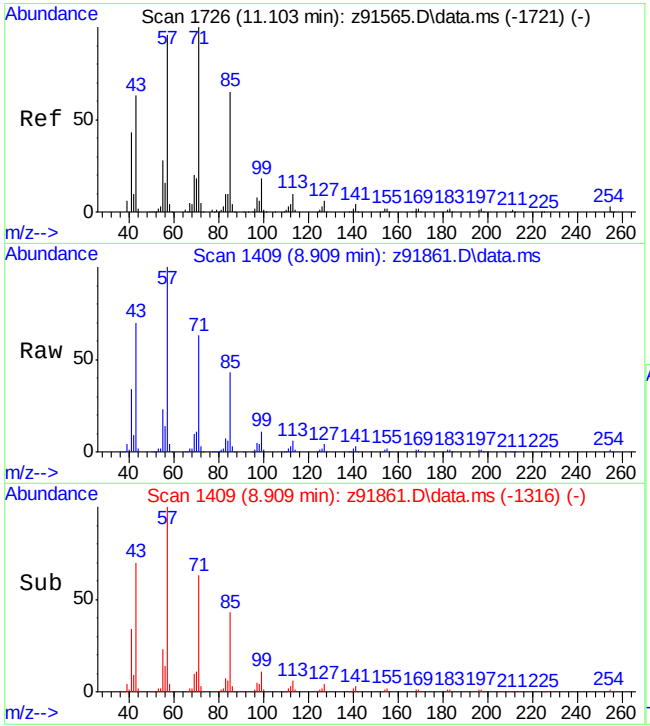


#53
Biphenyl
Concen: 42.66 ppb
RT: 6.510 min Scan# 960
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:154 Resp: 1216191

Ion	Ratio	Lower	Upper
154	100		
153	38.3	9.3	69.3
155	12.5	0.0	42.4

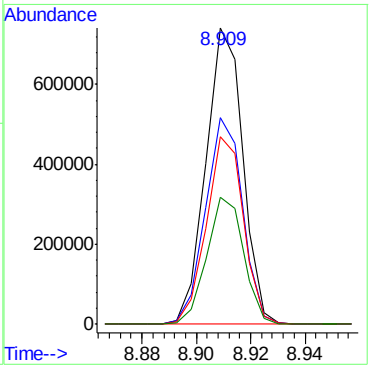


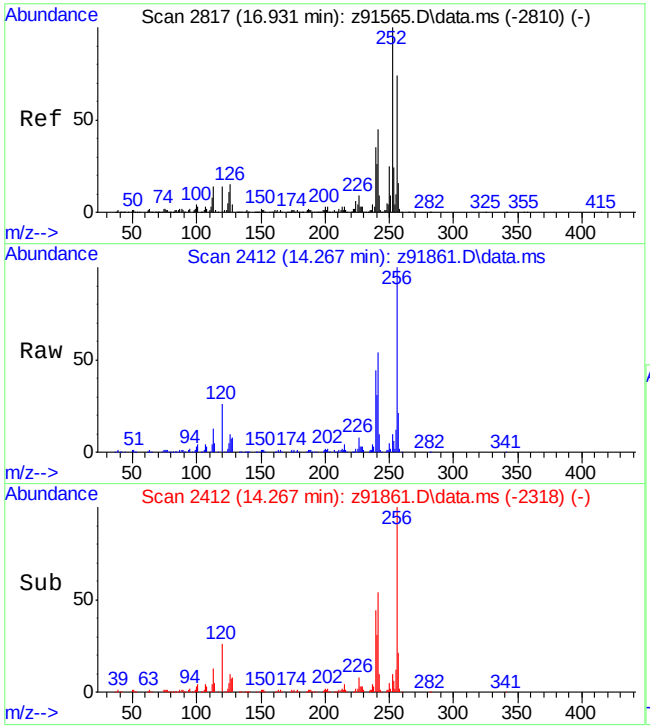


#82
Octadecane
Concen: 45.17 ppb
RT: 8.909 min Scan# 1409
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 57 Resp: 696175

Ion	Ratio	Lower	Upper
57	100		
43	69.7	36.3	96.3
71	63.4	36.7	96.7
85	42.9	16.1	76.1

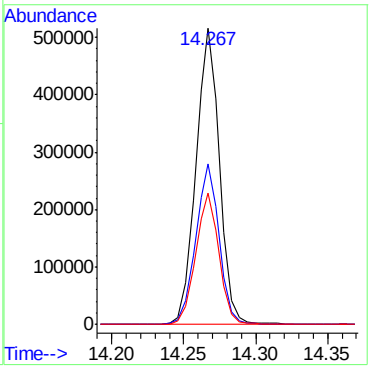




#100
7,12-Dimethylbenz(a)anthracene
Concen: 53.28 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:256 Resp: 592112

Ion	Ratio	Lower	Upper
256	100		
241	54.3	25.5	85.5
239	44.3	14.2	74.2



9.6.170

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration

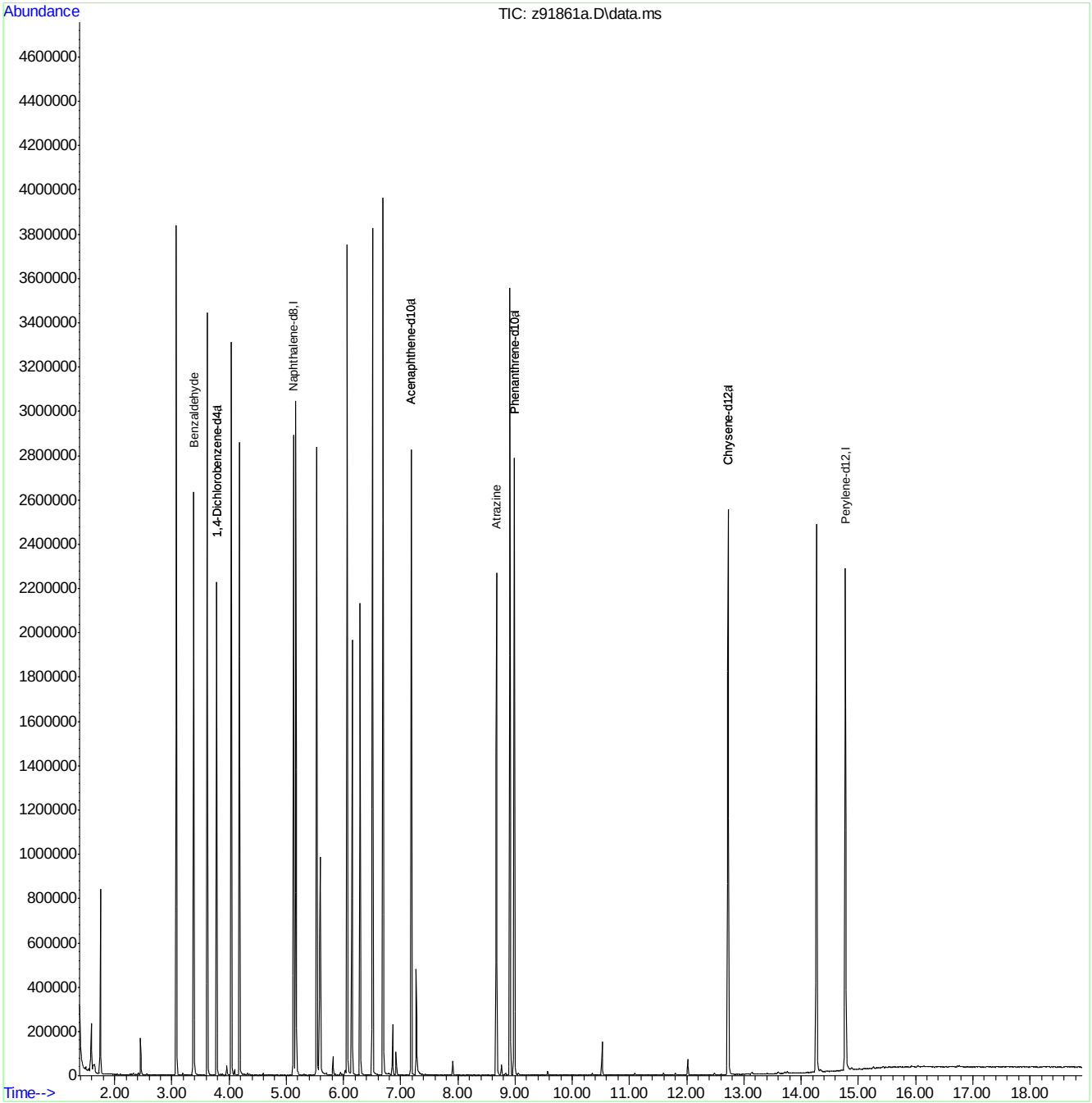
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb	0.02
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb	0.02
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb	0.03
83) Chrysene-d12	12.723	240	1084642	40.00	ppb	0.02
92) Perylene-d12	14.775	264	957548	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb	0.00
106) Chrysene-d12a	12.723	240	1084642	40.00	ppb	0.00
108) Acenaphthene-d10a	7.183	164	674056	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	445470	61.31	ppb	85
105) Atrazine	8.674	215	140033	52.35	ppb #	74

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

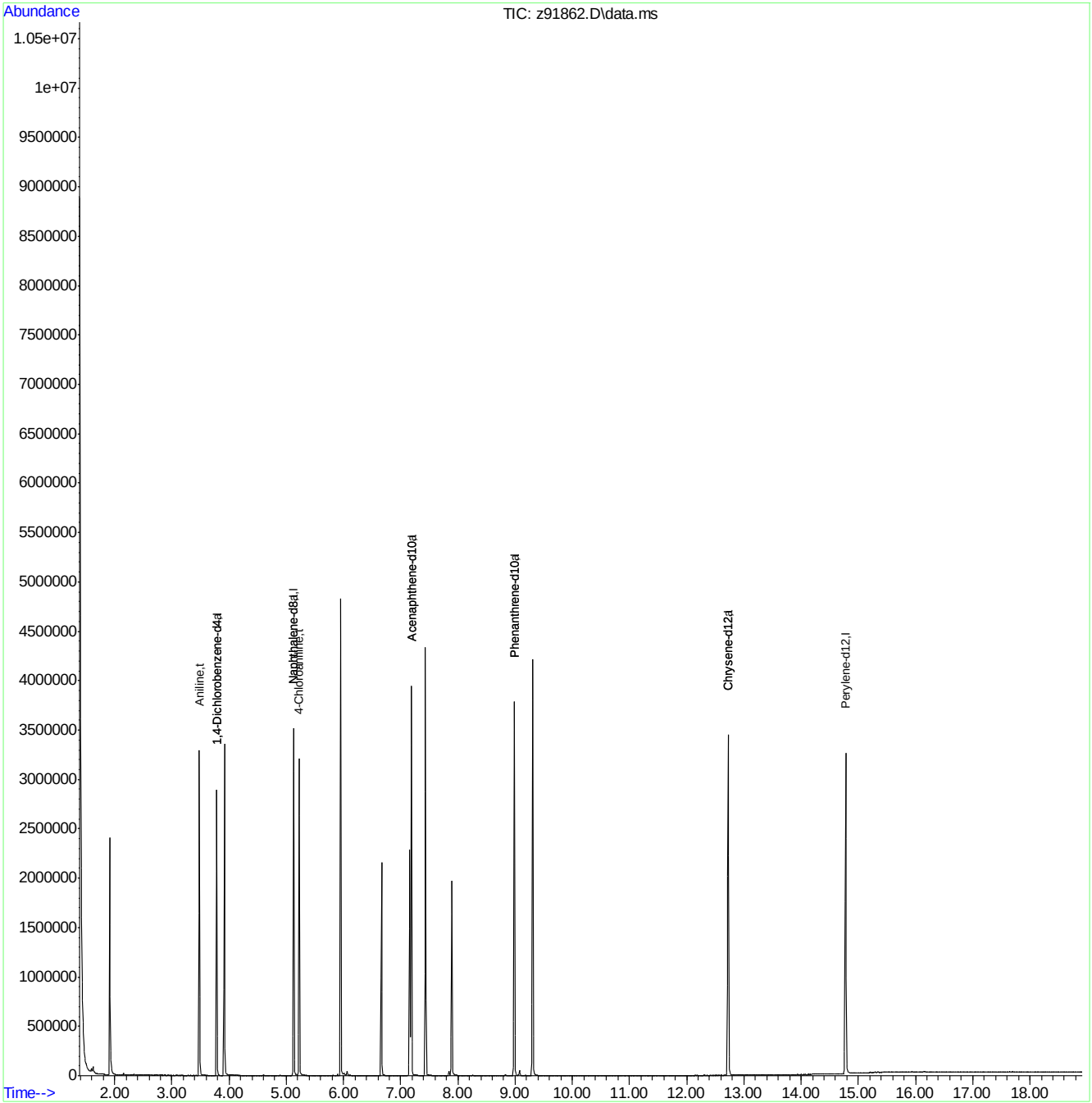
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	402904	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1607360	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	895094	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1499779	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	1493634	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1357234	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	402904	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1499779	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	1493634	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	895094	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1607360	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	3.476	93	1146579	54.22	ppb	99
39) 4-Chloroaniline	5.223	127	910290	51.48	ppb	98

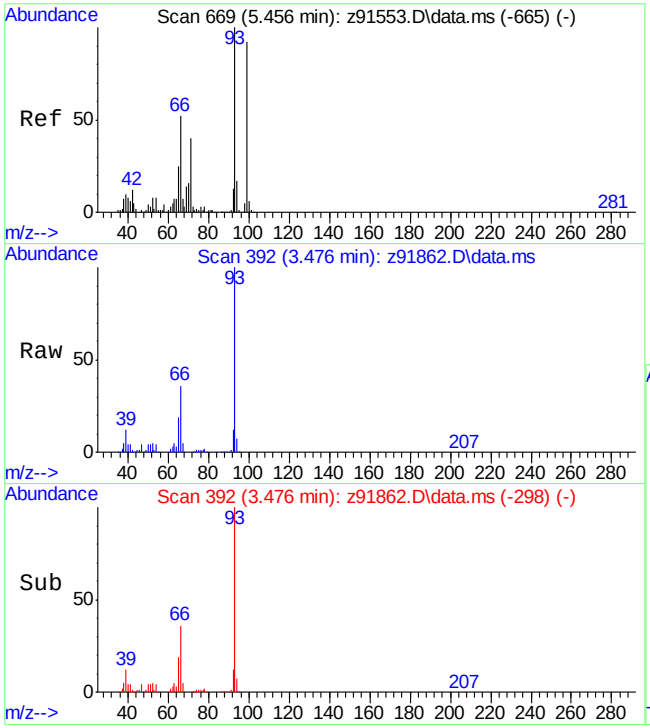
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

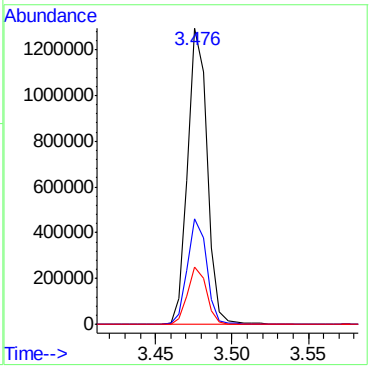


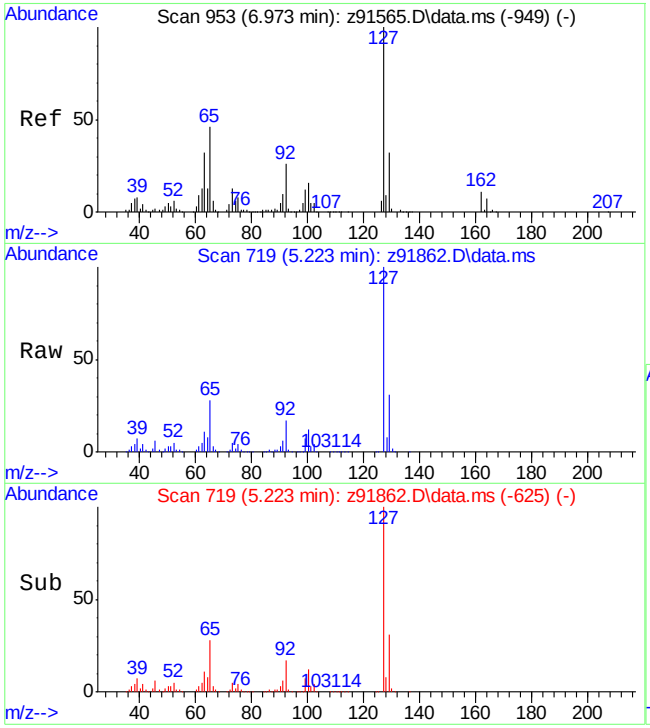


#10
Aniline
Concen: 54.22 ppb
RT: 3.476 min Scan# 392
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion: 93 Resp: 1146579

Ion	Ratio	Lower	Upper
93	100		
66	35.8	4.6	64.6
65	19.4	0.0	49.2

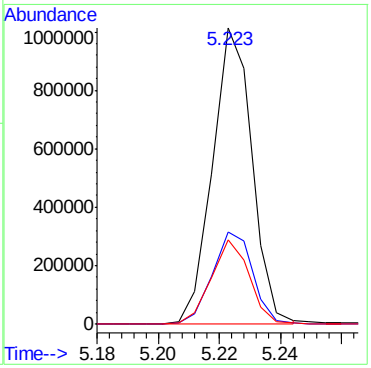




#39
4-Chloroaniline
Concen: 51.48 ppb
RT: 5.223 min Scan# 719
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion:127 Resp: 910290

Ion	Ratio	Lower	Upper
127	100		
129	31.3	1.7	61.7
65	28.3	0.0	56.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863a.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4569-50, 3.3'-Diclorobenzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

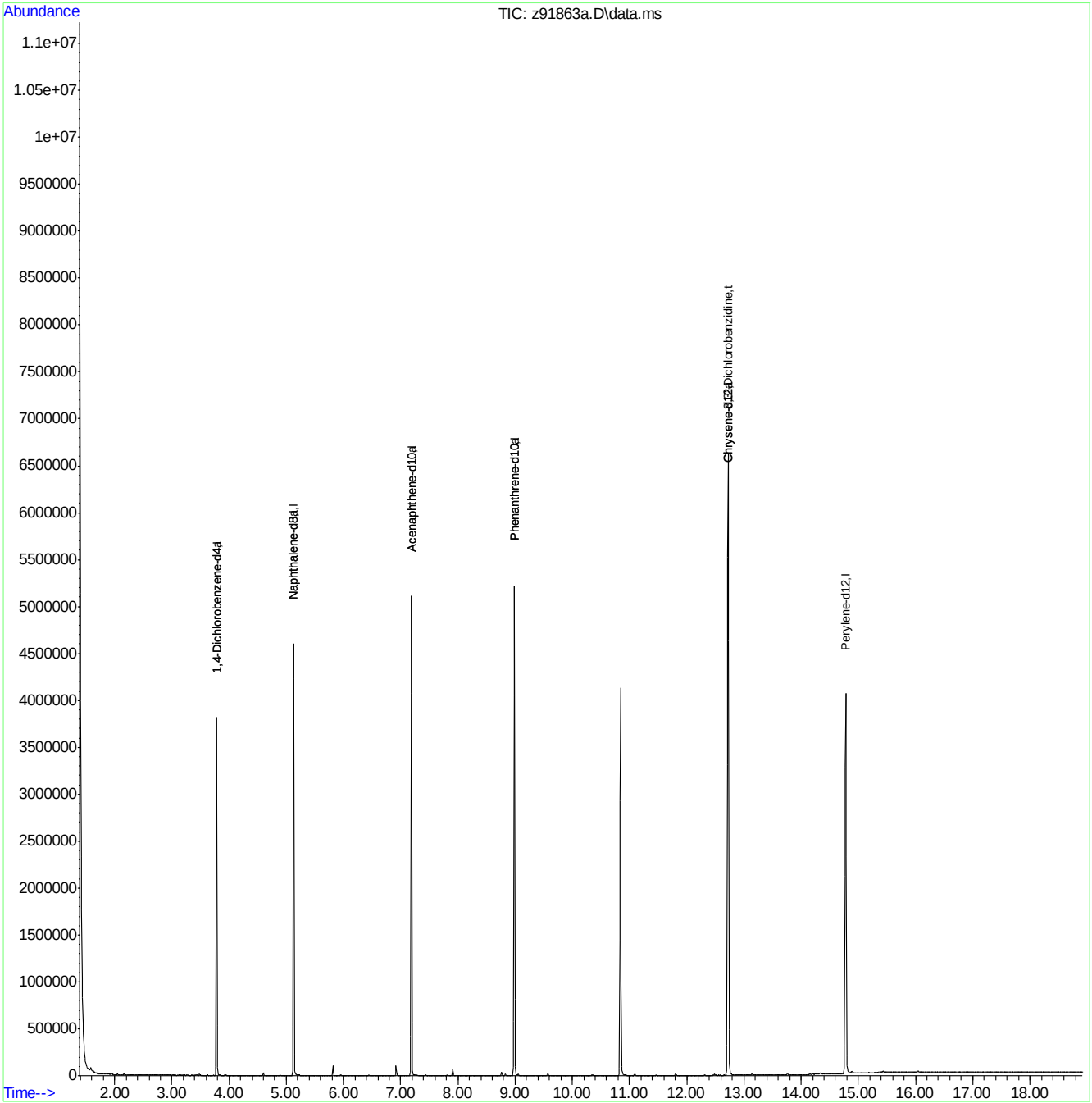
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	2040121	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1956724	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	542301	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1993923	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	2040121	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	1183176	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	2147798	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	12.723	252	914726	49.59	ppb	99

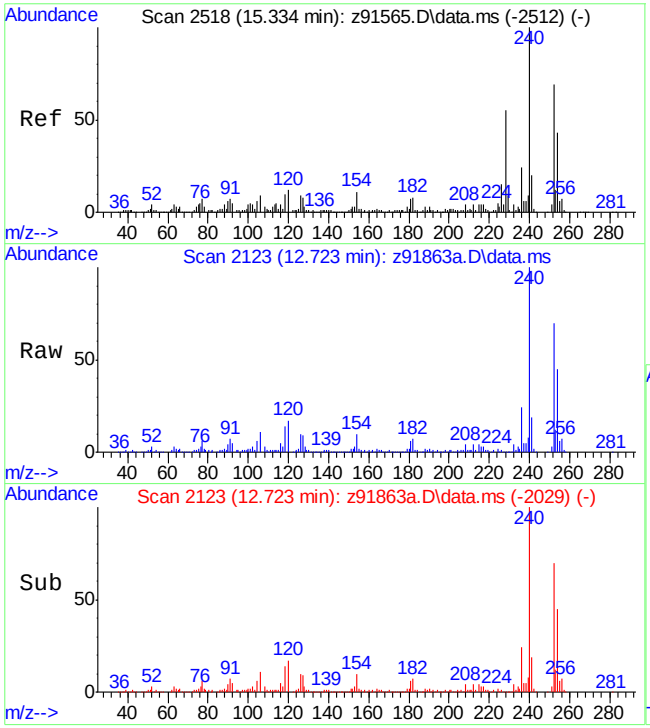
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863a.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4569-50, 3.3'-Diclorobenzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

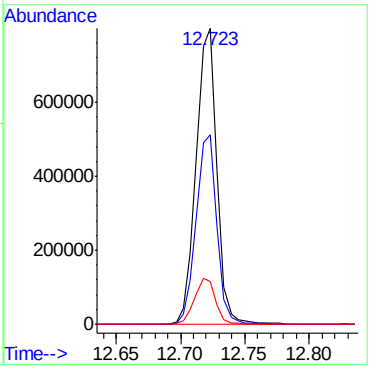




#89
3,3'-Dichlorobenzidine
Concen: 49.59 ppb
RT: 12.723 min Scan# 2123
Delta R.T. -0.000 min
Lab File: z91863a.D
Acq: 27 May 2014 4:34 pm

Tgt Ion:252 Resp: 914726

Ion	Ratio	Lower	Upper
252	100		
254	64.1	33.8	93.8
126	14.4	0.0	46.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4571-50, benzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:15:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

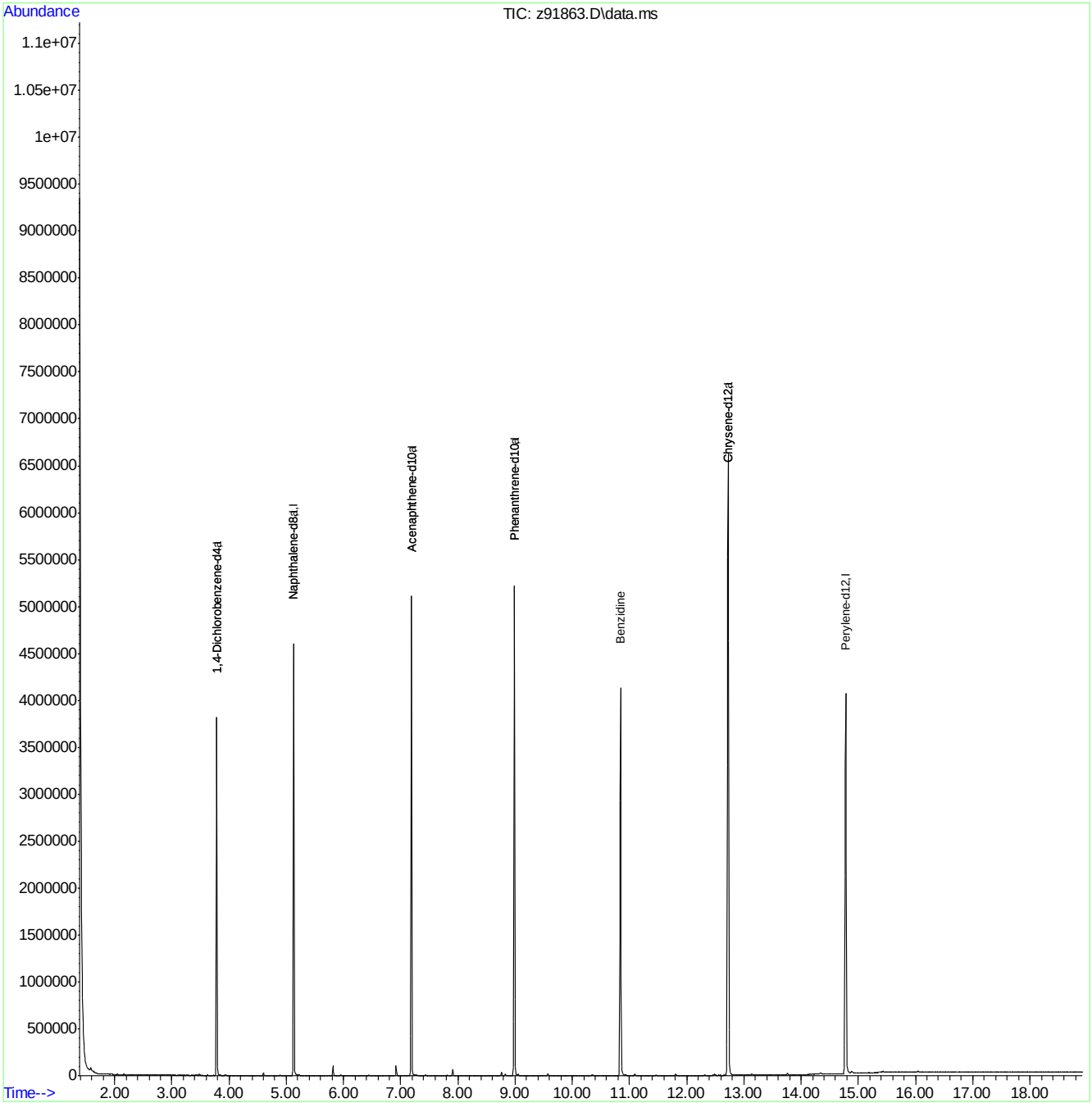
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	2040121	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1956724	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	542301	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1993923	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	2040121	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	1183176	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	2147798	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	10.843	184	1815875	86.70	ppb	98

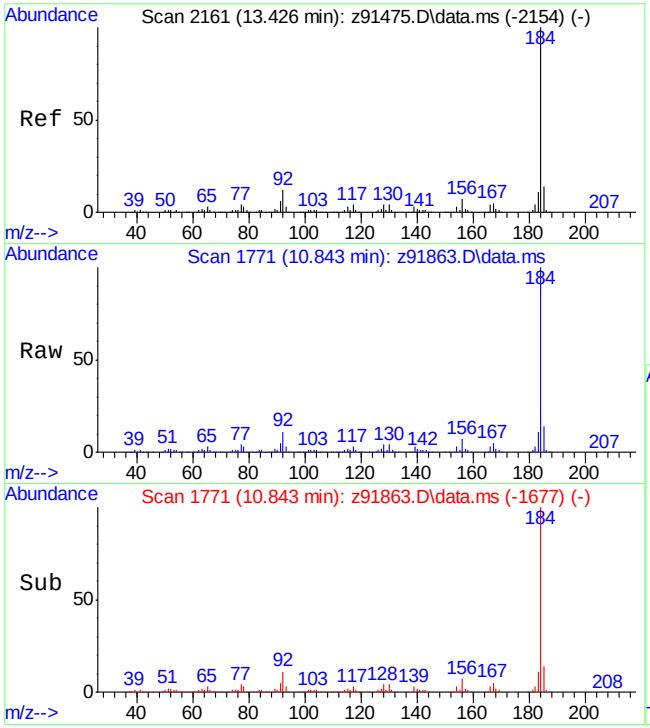
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4571-50, benzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:15:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

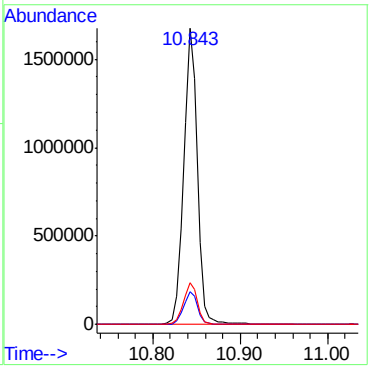




#108
Benzidine
Concen: 86.70 ppb
RT: 10.843 min Scan# 1771
Delta R.T. -0.000 min
Lab File: z91863.D
Acq: 27 May 2014 4:34 pm

Tgt Ion:184 Resp: 1815875

Ion	Ratio	Lower	Upper
184	100		
183	11.1	0.0	42.0
185	14.1	0.0	43.6



9.6.174

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91864.D
Acq On : 27 May 2014 4:59 pm
Operator : ashleyv
Sample : ICV4569-50, surr
Misc : op73791,ez4571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 17:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 17:03:34 2014
Response via : Initial Calibration

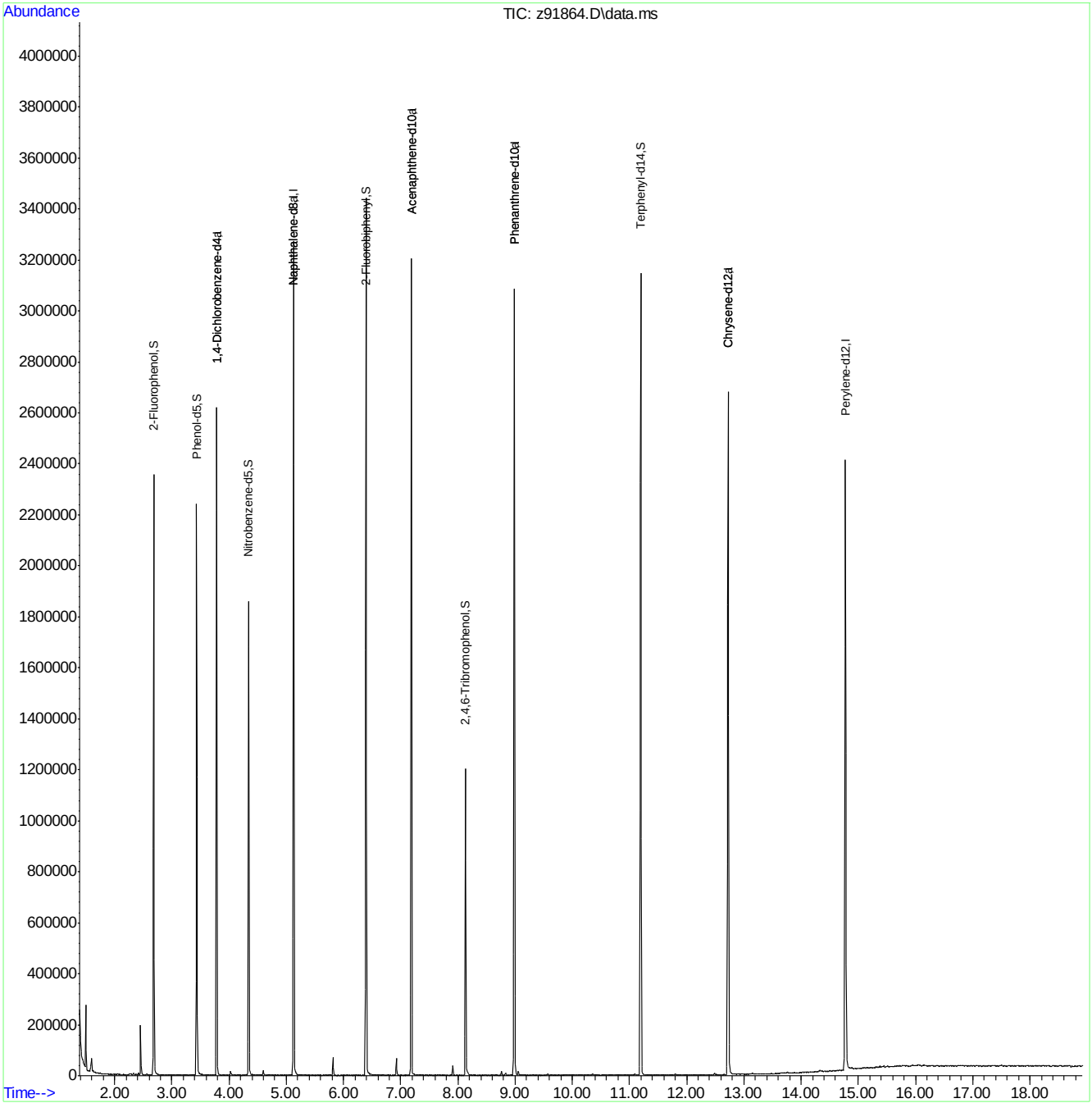
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	368875	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1430952	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	770103	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1246291	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1168420	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	1005967	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	368875	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1246291	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1168420	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	770103	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1430952	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.680	112	561087	44.51	ppb	0.00
Spiked Amount 50.000			Recovery = 89.02%			
8) Phenol-d5	3.433	99	681824	42.95	ppb	0.00
Spiked Amount 50.000			Recovery = 85.90%			
25) Nitrobenzene-d5	4.341	82	563433	44.68	ppb	0.00
Spiked Amount 50.000			Recovery = 89.36%			
51) 2-Fluorobiphenyl	6.393	172	1109245	45.44	ppb	0.00
Spiked Amount 50.000			Recovery = 90.88%			
73) 2,4,6-Tribromophenol	8.134	330	130228	42.76	ppb	0.00
Spiked Amount 50.000			Recovery = 85.52%			
86) Terphenyl-d14	11.195	244	1173725	49.95	ppb	0.00
Spiked Amount 50.000			Recovery = 99.90%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91864.D
Acq On : 27 May 2014 4:59 pm
Operator : ashleyv
Sample : ICV4569-50, surr
Misc : op73791,ez4571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 17:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 17:03:34 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91865.D
Acq On : 27 May 2014 5:25 pm
Operator : ashleyv
Sample : ICV4569-50, hq
Misc : op73791,ez4571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 11:53:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

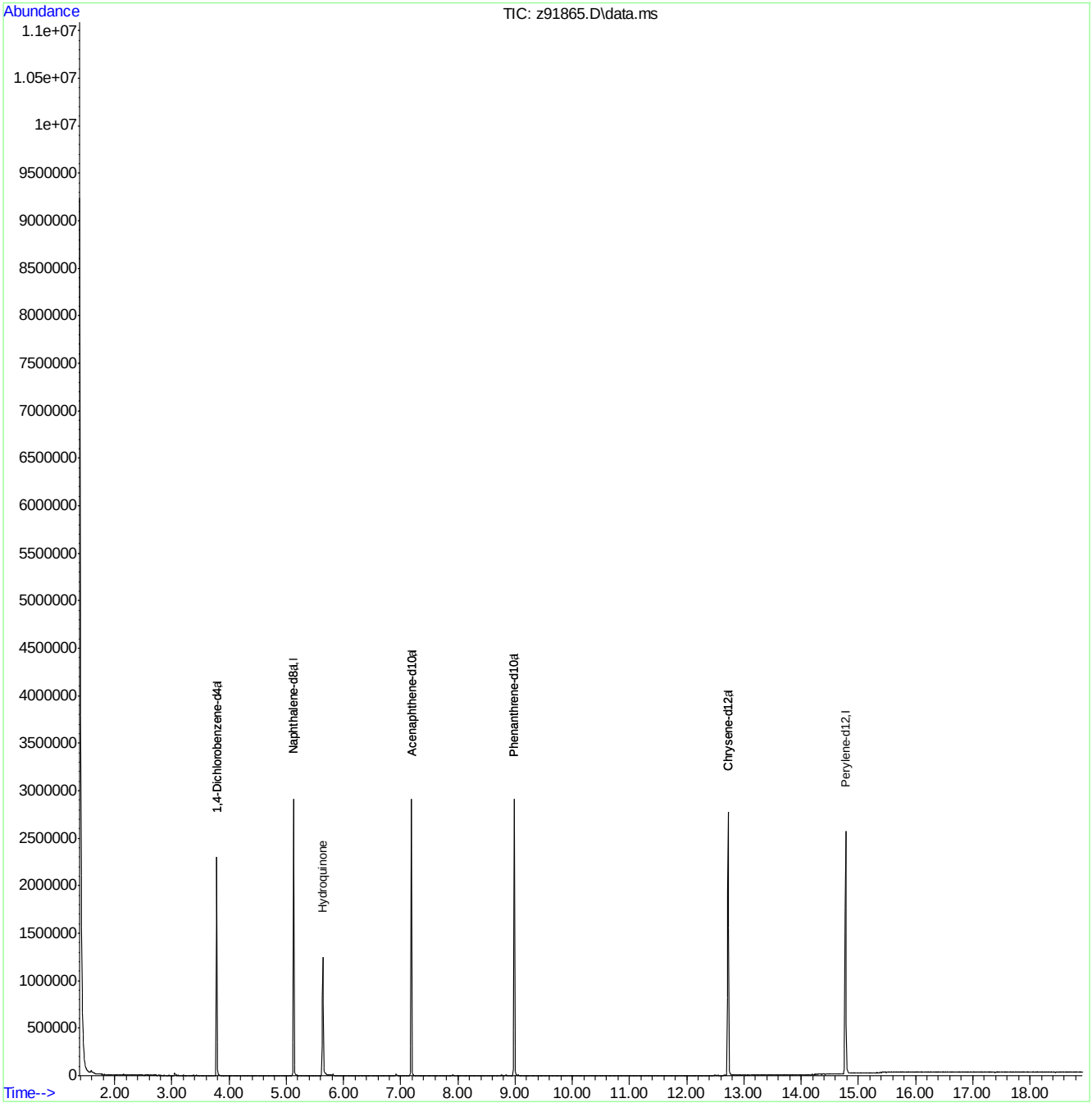
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	330274	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1293309	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	705500	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1211824	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	1231893	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1123522	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	330274	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1211824	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	1231893	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	705500	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1293309	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	5.640	110	601697	61.88	ppb	77

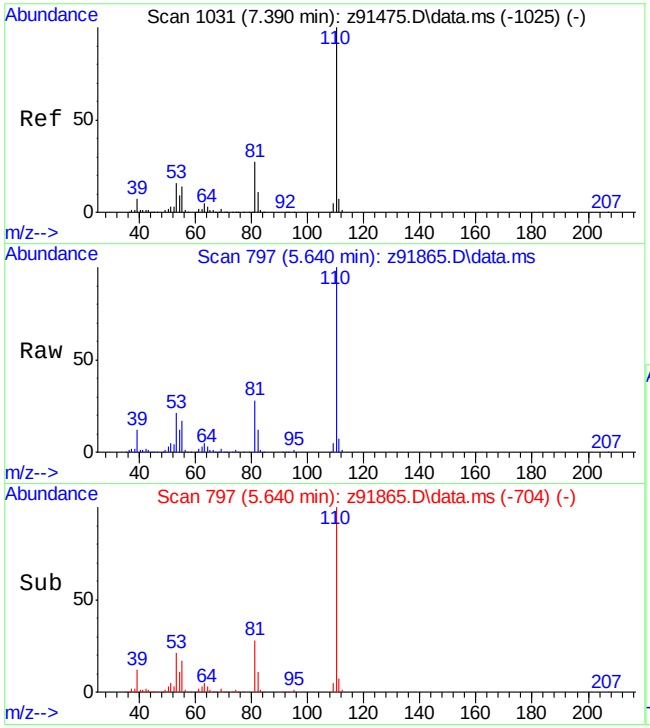
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91865.D
Acq On : 27 May 2014 5:25 pm
Operator : ashleyv
Sample : ICV4569-50, hq
Misc : op73791,ez4571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 11:53:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

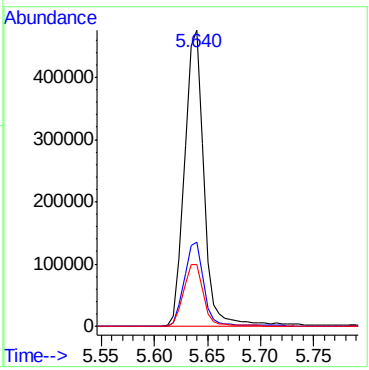




#113
Hydroquinone
Concen: 61.88 ppb
RT: 5.640 min Scan# 797
Delta R.T. -0.004 min
Lab File: z91865.D
Acq: 27 May 2014 5:25 pm

Tgt Ion:110 Resp: 601697

Ion	Ratio	Lower	Upper
110	100		
81	28.3	18.6	78.6
53	20.9	0.0	55.0



9.6.176

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.780	152	240460	40.00	ppb		0.00
24) Naphthalene-d8	5.121	136	941097	40.00	ppb		-0.01
47) Acenaphthene-d10	7.178	164	518716	40.00	ppb		-0.01
69) Phenanthrene-d10	8.978	188	880239	40.00	ppb		-0.01
83) Chrysene-d12	12.718	240	907095	40.00	ppb		-0.02
92) Perylene-d12	14.769	264	805740	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	3.780	152	240460	40.00	ppb		0.00
104) Phenanthrene-d10a	8.978	188	880239	40.00	ppb		-0.01
107) Chrysene-d12a	12.718	240	907095	40.00	ppb		-0.02
110) Acenaphthene-d10a	7.178	164	518716	40.00	ppb		-0.01
112) Naphthalene-d8a	5.121	136	941097	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	3.444	94	518537	44.64	ppb		89
12) 2-Chlorophenol	3.588	128	425856	45.99	ppb		98
19) 2-Methylphenol	4.026	108	371402	47.63	ppb		97
21) 3&4-Methylphenol	4.186	108	391950	46.83	ppb		100
29) 2-Nitrophenol	4.705	139	210728	49.09	ppb		84
30) 2,4-Dimethylphenol	4.758	107	395728	55.27	ppb		99
31) Benzoic Acid	4.886	105	182724	45.61	ppb	#	63
33) 2,4-Dichlorophenol	4.972	162	323644	49.30	ppb		99
34) 2,6-Dichlorophenol	5.228	162	317513	49.32	ppb		99
43) 4-Chloro-3-methylphenol	5.800	107	336540	48.25	ppb		96
49) 2,4,6-Trichlorophenol	6.291	196	227925	50.63	ppb		99
50) 2,4,5-Trichlorophenol	6.334	196	242382	50.76	ppb		99
60) 2,4-Dinitrophenol	7.269	184	86619	44.53	ppb		90
61) 4-Nitrophenol	7.386	109	101730	52.68	ppb	#	67
64) 2,3,4,6-Tetrachlorophenol	7.589	232	192903	49.90	ppb		97
70) 4,6-Dinitro-2-methylph...	7.915	198	132280	46.82	ppb		98
76) Pentachlorophenol	8.759	266	148873	54.30	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

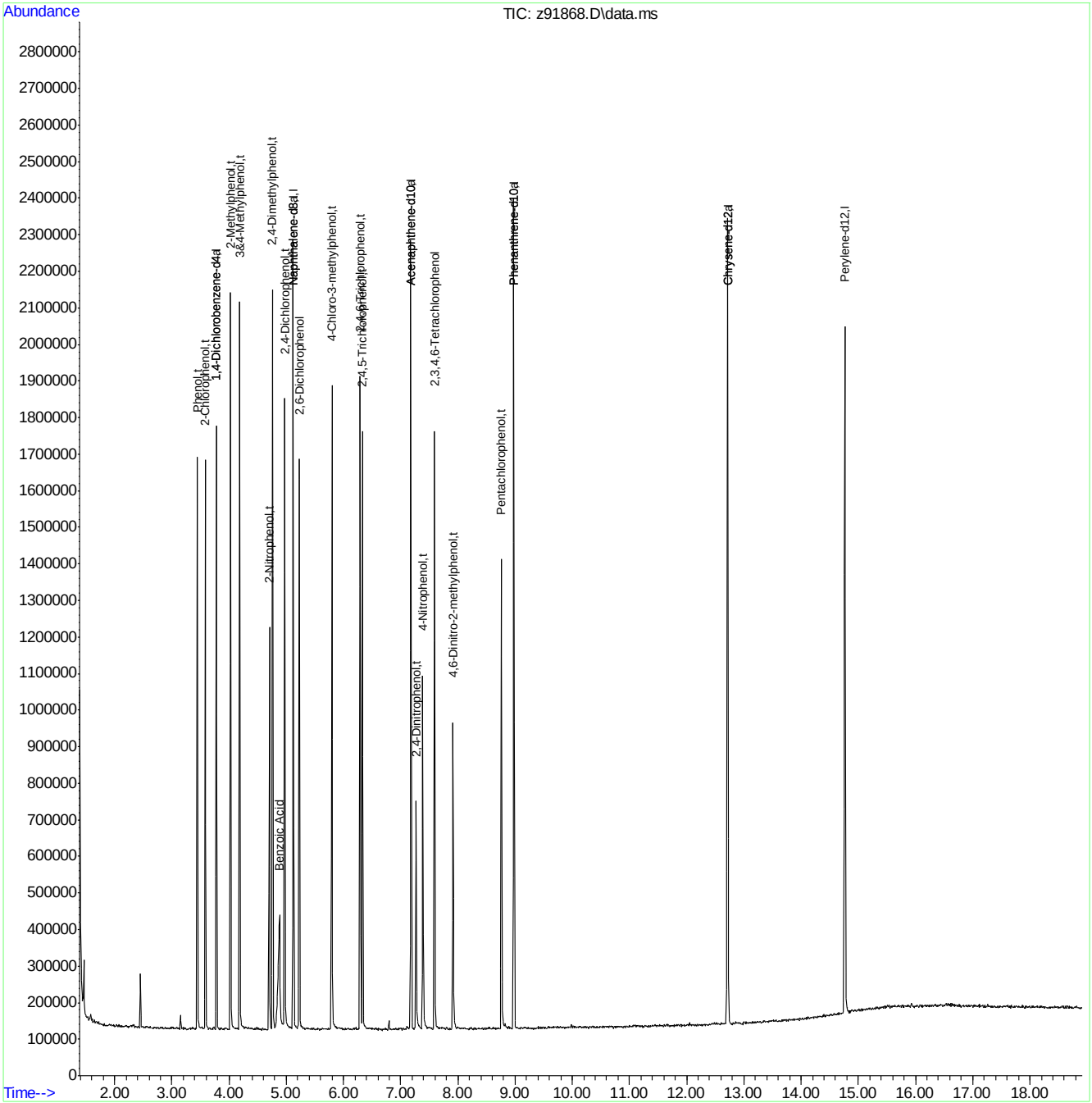
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

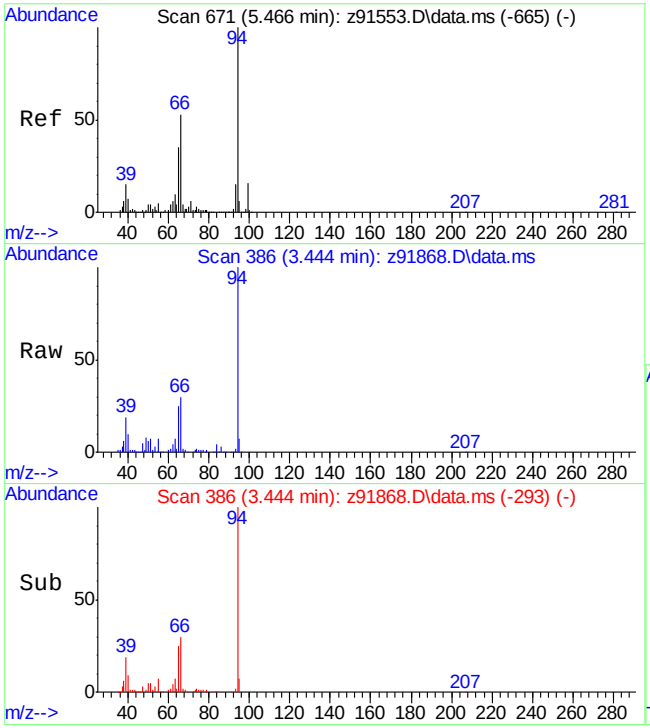
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



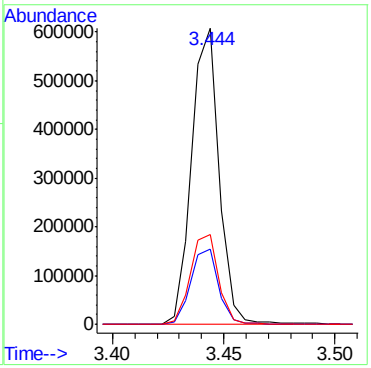
ACCUTEST LABORATORIES JB69123

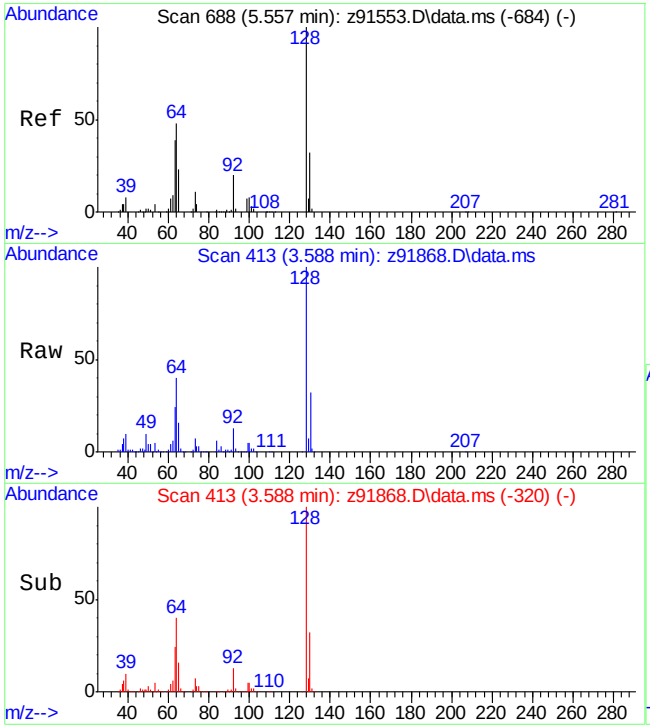


#9
Phenol
Concen: 44.64 ppb
RT: 3.444 min Scan# 386
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion: 94 Resp: 518537

Ion	Ratio	Lower	Upper
94	100		
65	25.2	0.0	51.5
66	30.2	0.0	53.3

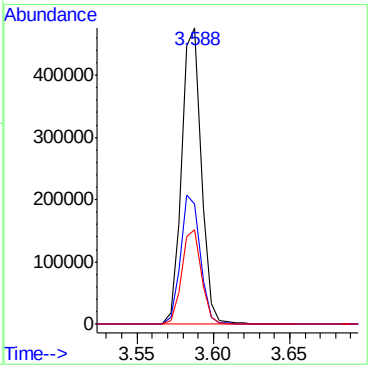


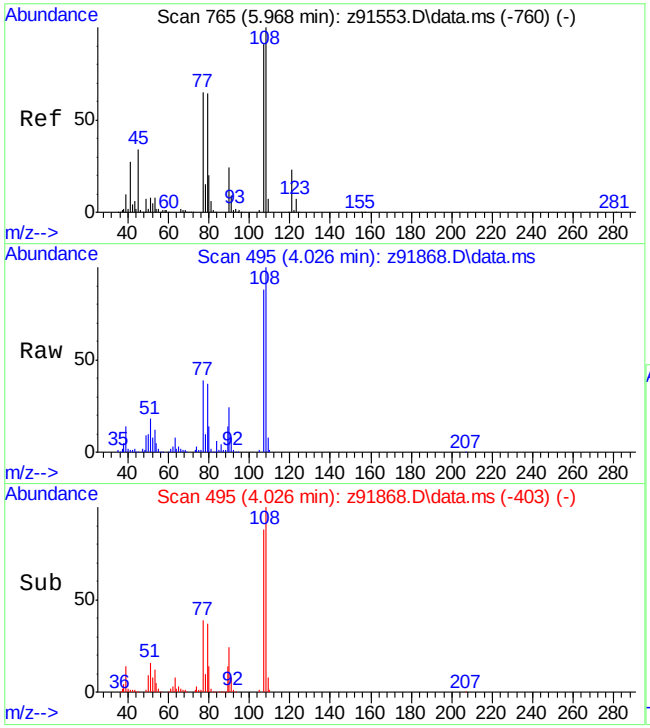


#12
2-Chlorophenol
Concen: 45.99 ppb
RT: 3.588 min Scan# 413
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:128 Resp: 425856

Ion	Ratio	Lower	Upper
128	100		
64	40.5	12.8	72.8
130	31.8	1.7	61.7

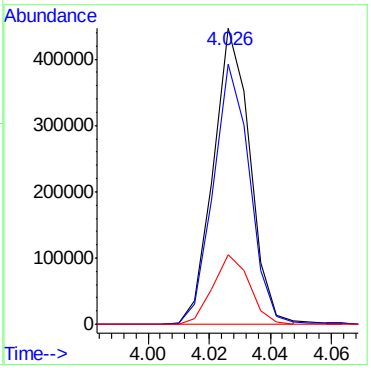


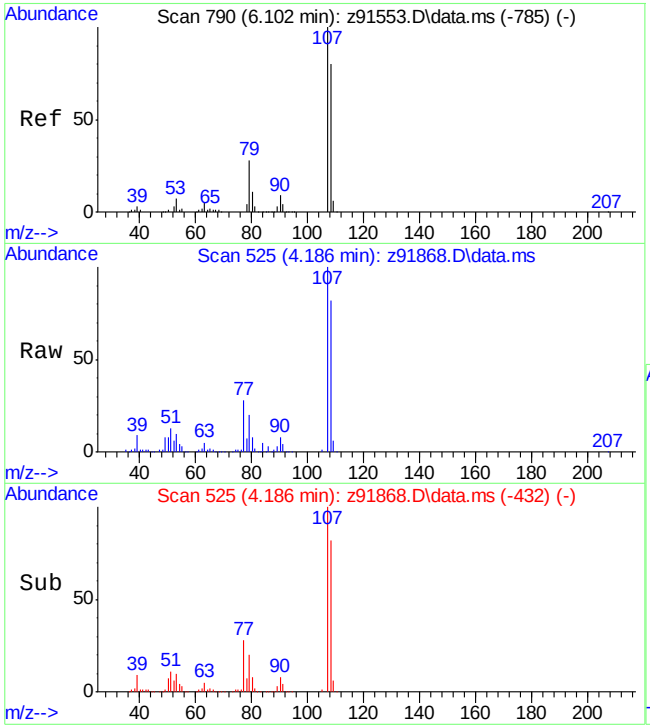


#19
2-Methylphenol
Concen: 47.63 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 371402

Ion	Ratio	Lower	Upper
108	100		
107	87.9	56.2	116.2
90	23.6	0.0	56.1

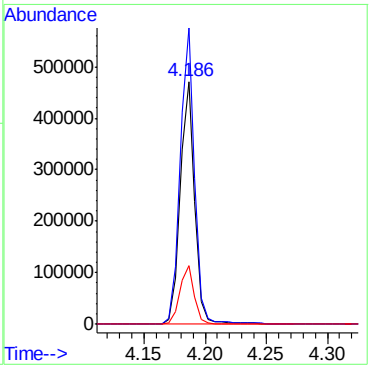


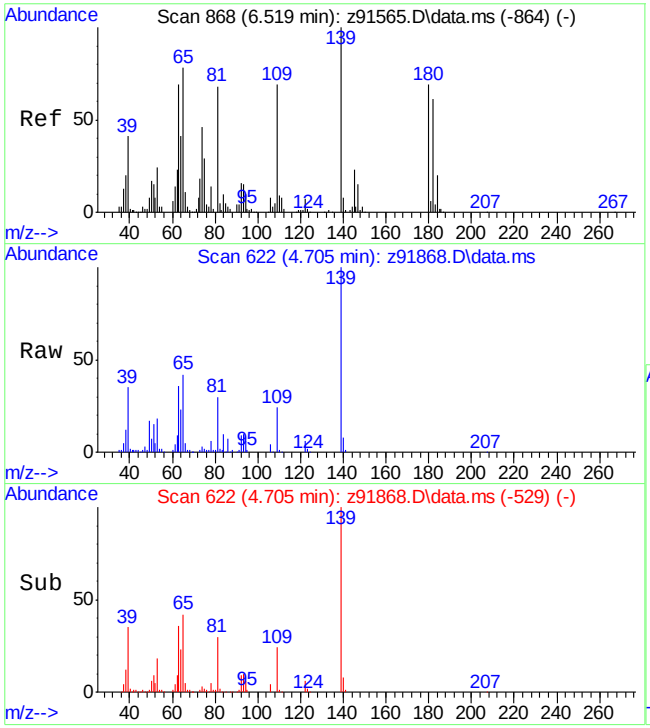


#21
3&4-Methylphenol
Concen: 46.83 ppb
RT: 4.186 min Scan# 525
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 391950

Ion	Ratio	Lower	Upper
108	100		
107	121.9	91.7	151.7
79	24.1	0.0	54.5

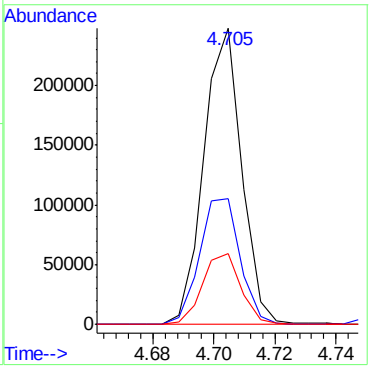


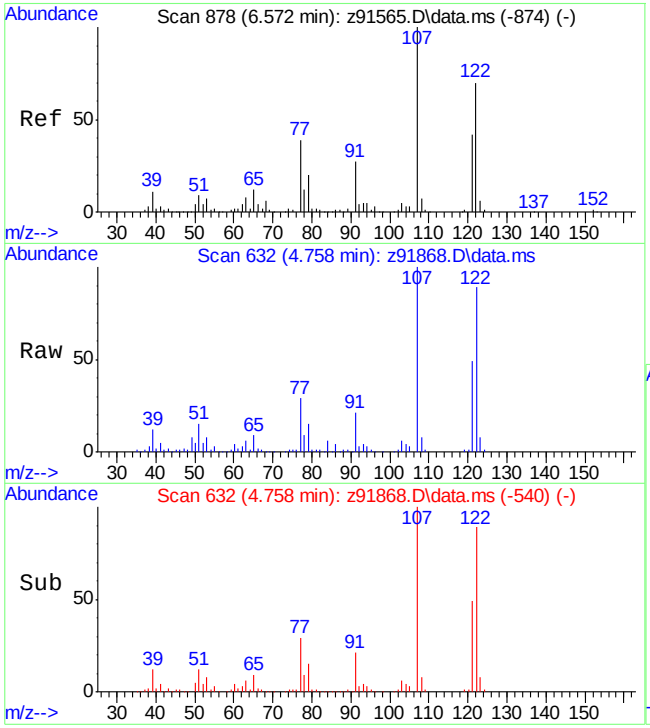


#29
2-Nitrophenol
Concen: 49.09 ppb
RT: 4.705 min Scan# 622
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:139 Resp: 210728

Ion	Ratio	Lower	Upper
139	100		
65	42.4	10.4	70.4
109	24.0	11.9	71.9

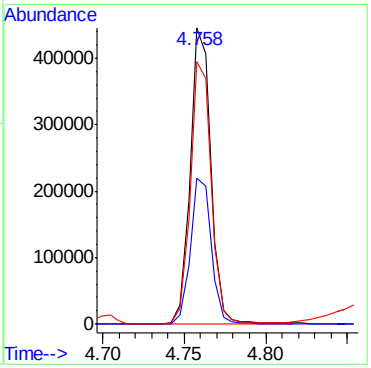


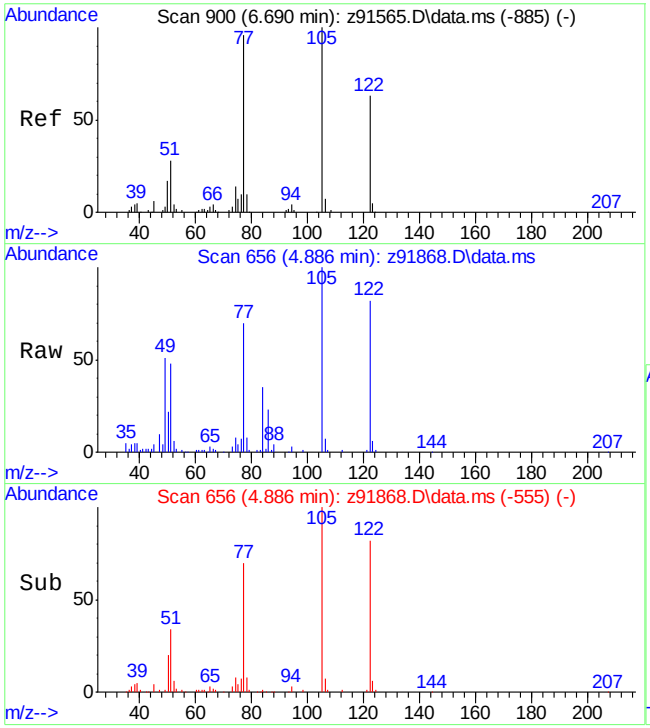


#30
2,4-Dimethylphenol
Concen: 55.27 ppb
RT: 4.758 min Scan# 632
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 395728

Ion	Ratio	Lower	Upper
107	100		
121	49.3	20.1	80.1
122	88.6	60.1	120.1

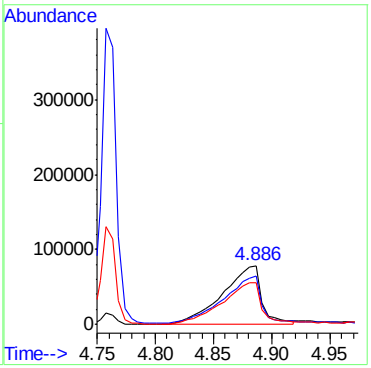


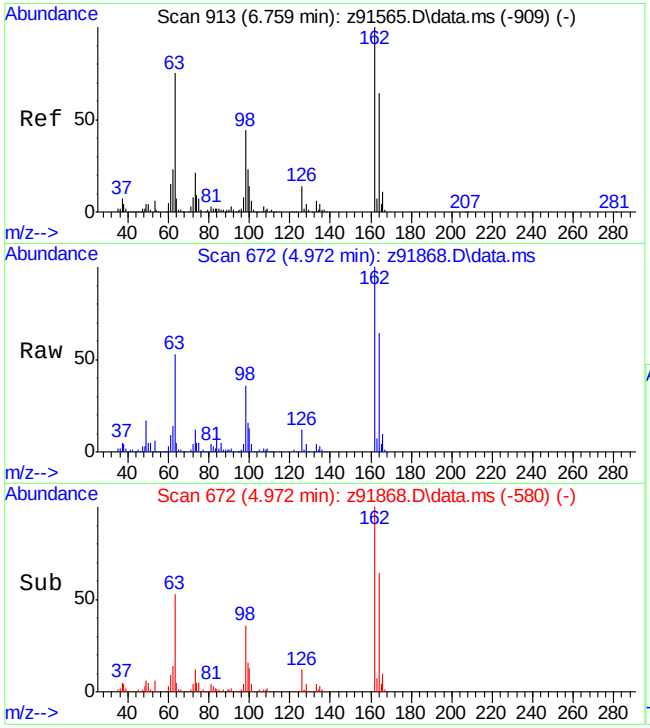


#31
Benzoic Acid
Concen: 45.61 ppb
RT: 4.886 min Scan# 656
Delta R.T. 0.037 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:105 Resp: 182724

Ion	Ratio	Lower	Upper
105	100		
122	78.5	86.2	126.2#
77	73.5	13.9	53.9#

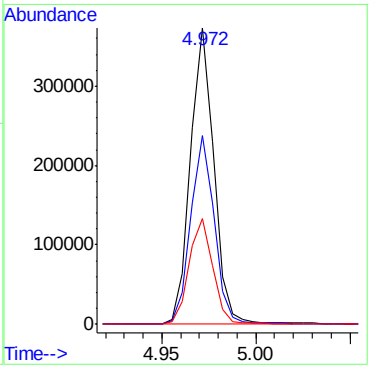


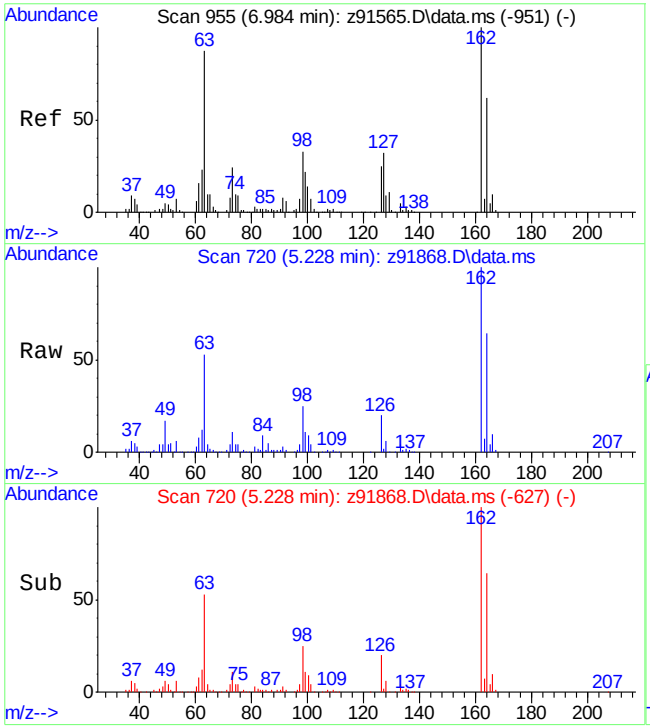


#33
2,4-Dichlorophenol
Concen: 49.30 ppb
RT: 4.972 min Scan# 672
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 323644

Ion	Ratio	Lower	Upper
162	100		
164	63.5	33.9	93.9
98	35.8	7.5	67.5

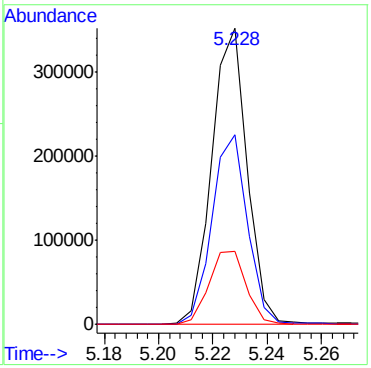


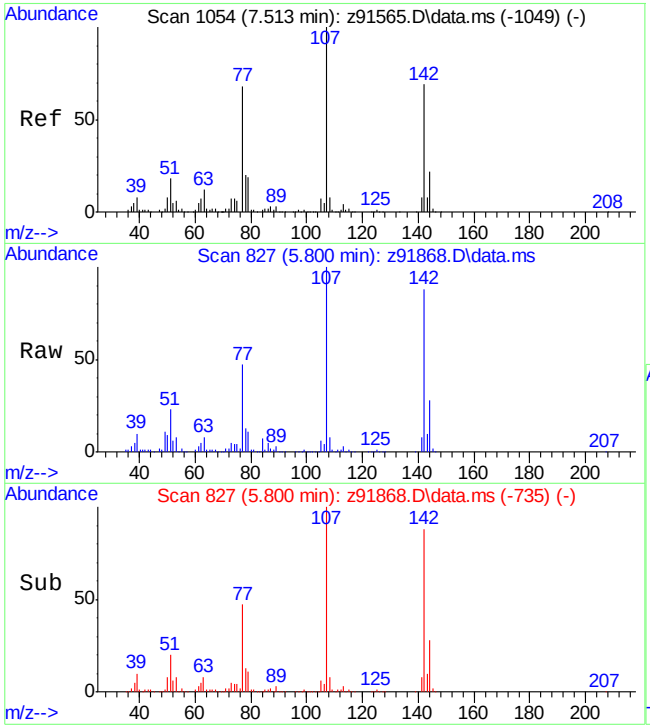


#34
2,6-Dichlorophenol
Concen: 49.32 ppb
RT: 5.228 min Scan# 720
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 317513

Ion	Ratio	Lower	Upper
162	100		
164	64.3	34.1	94.1
98	26.1	0.0	56.7

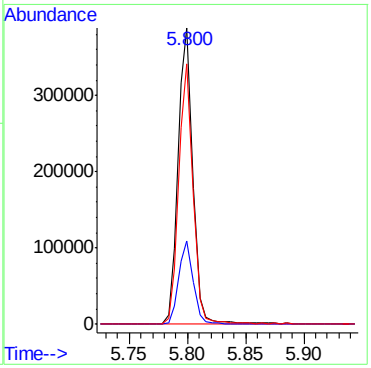


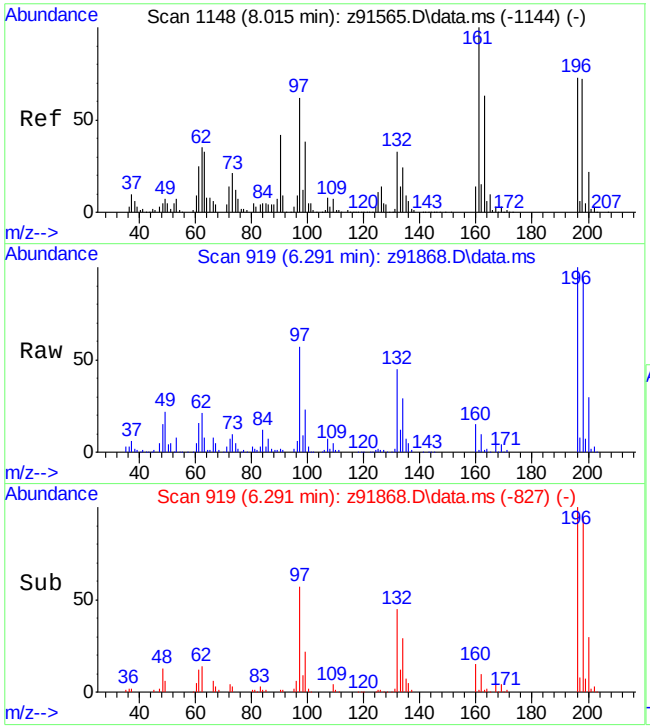


#43
4-Chloro-3-methylphenol
Concen: 48.25 ppb
RT: 5.800 min Scan# 827
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 336540

Ion	Ratio	Lower	Upper
107	100		
144	28.2	0.0	56.5
142	88.1	53.7	113.7

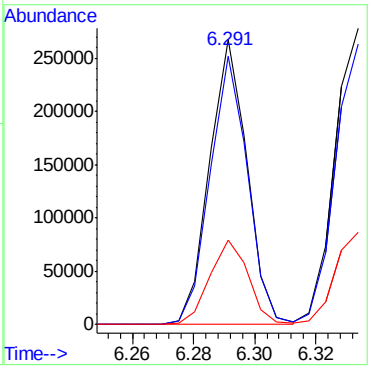


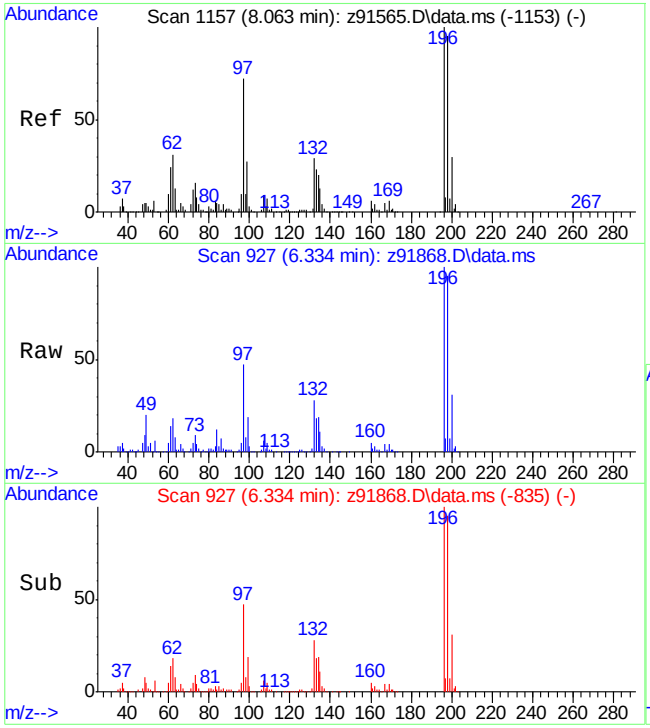


#49
2,4,6-Trichlorophenol
Concen: 50.63 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:196 Resp: 227925

Ion	Ratio	Lower	Upper
196	100		
198	94.0	63.0	123.0
200	29.7	0.0	59.7

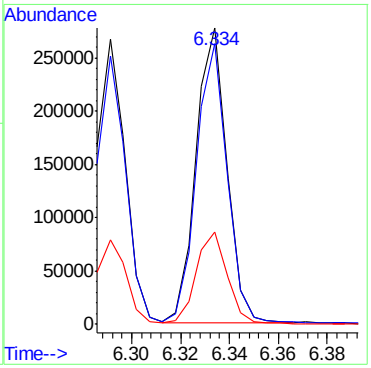


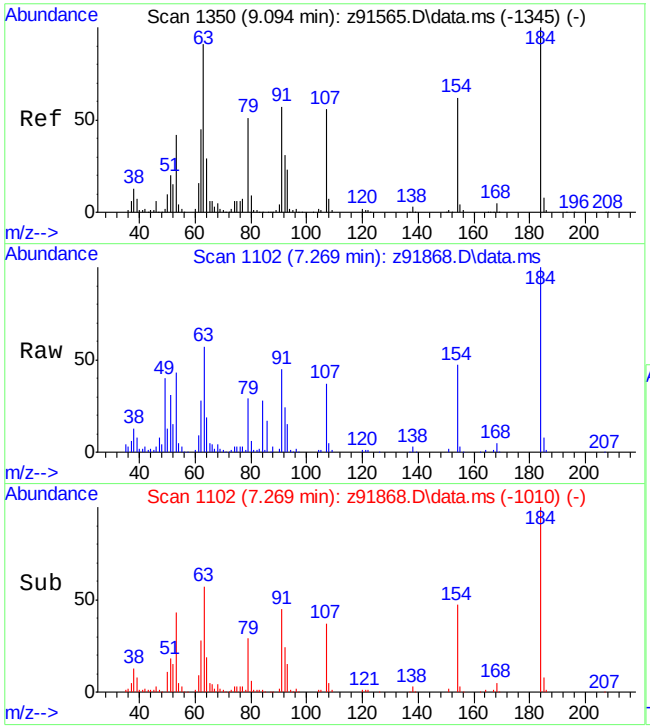


#50
2,4,5-Trichlorophenol
Concen: 50.76 ppb
RT: 6.334 min Scan# 927
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:196 Resp: 242382

Ion	Ratio	Lower	Upper
196	100		
198	94.8	63.9	123.9
200	31.1	0.0	59.8

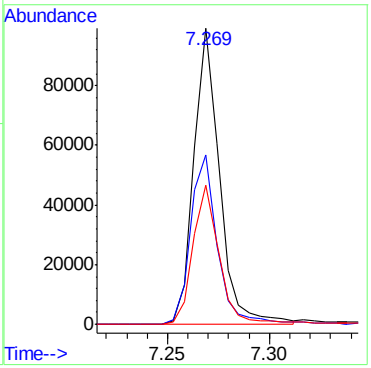


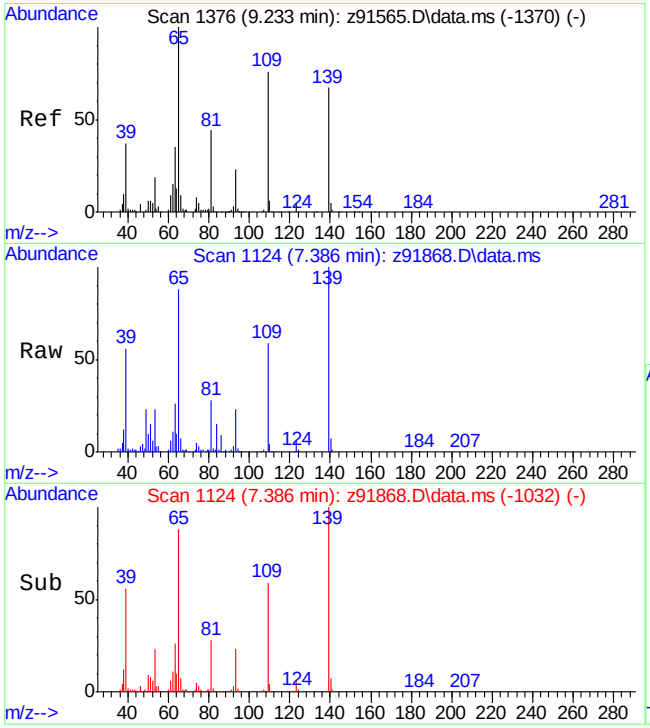


#60
2,4-Dinitrophenol
Concen: 44.53 ppb
RT: 7.269 min Scan# 1102
Delta R.T. -0.010 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:184 Resp: 86619

Ion	Ratio	Lower	Upper
184	100		
63	57.1	18.2	78.2
154	46.7	12.4	72.4

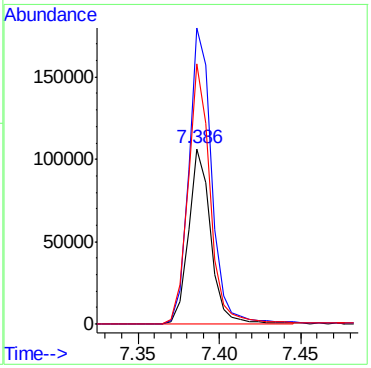


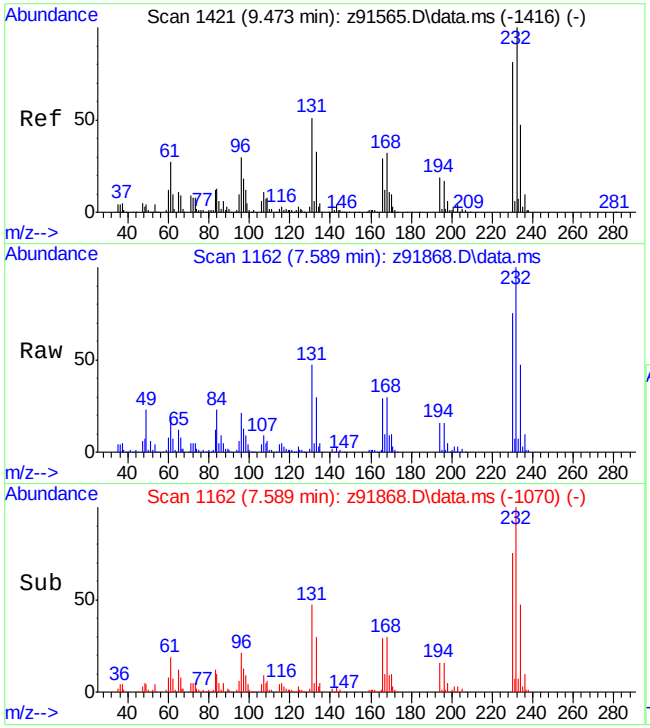


#61
4-Nitrophenol
Concen: 52.68 ppb
RT: 7.386 min Scan# 1124
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:109 Resp: 101730

Ion	Ratio	Lower	Upper
109	100		
139	169.0	60.2	120.2#
65	148.7	123.7	183.7

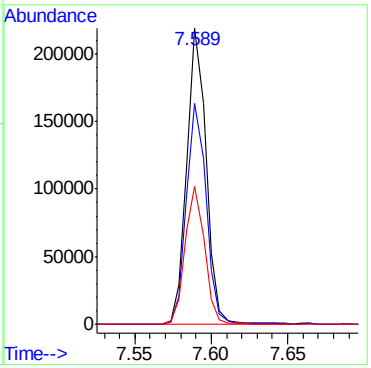


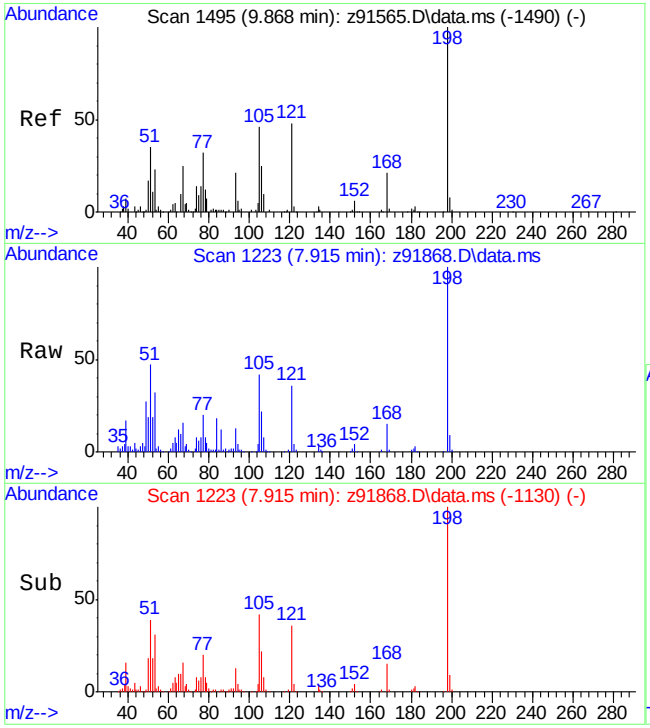


#64
2,3,4,6-Tetrachlorophenol
Concen: 49.90 ppb
RT: 7.589 min Scan# 1162
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:232 Resp: 192903

Ion	Ratio	Lower	Upper
232	100		
230	74.5	48.9	108.9
131	46.8	17.4	77.4

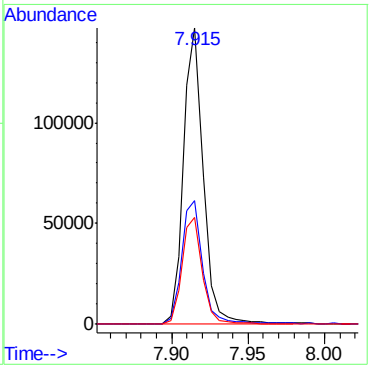


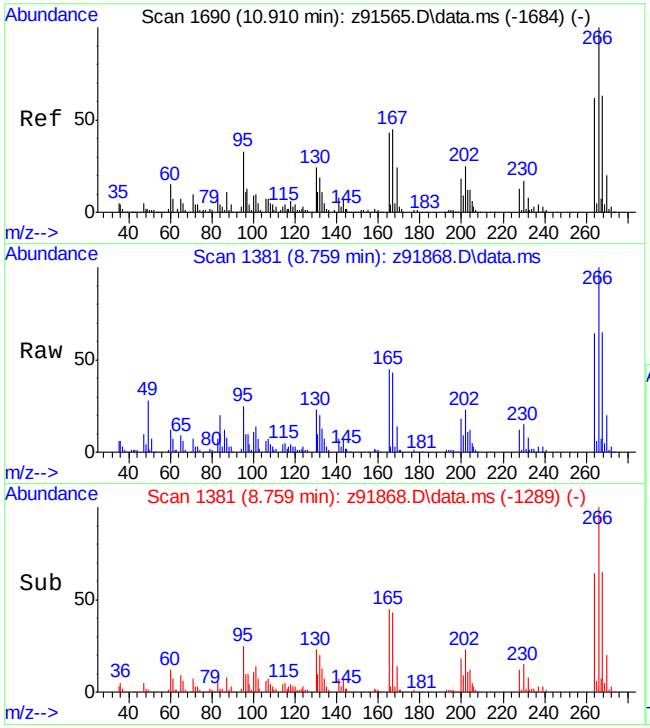


#70
4,6-Dinitro-2-methylphenol
Concen: 46.82 ppb
RT: 7.915 min Scan# 1223
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:198 Resp: 132280

Ion	Ratio	Lower	Upper
198	100		
105	41.3	12.1	72.1
121	36.2	5.1	65.1

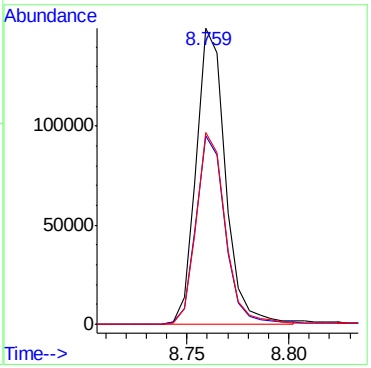




#76
Pentachlorophenol
Concen: 54.30 ppb
RT: 8.759 min Scan# 1381
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:266 Resp: 148873

Ion	Ratio	Lower	Upper
266	100		
264	63.5	33.3	93.3
268	64.8	33.0	93.0



9.6.177

6

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/19/14 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:12:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.460	152	255387	40.00	ppb		0.00
24) Naphthalene-d8	4.785	136	1002483	40.00	ppb		0.00
47) Acenaphthene-d10	6.826	164	592511	40.00	ppb		0.00
69) Phenanthrene-d10	8.610	188	986822	40.00	ppb		0.00
83) Chrysene-d12	12.291	240	901616	40.00	ppb		0.00
92) Perylene-d12	14.331	264	732698	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.460	152	255387	40.00	ppb		0.00
104) Phenanthrene-d10a	8.610	188	986822	40.00	ppb		0.00
106) Chrysene-d12a	12.291	240	901616	40.00	ppb		0.00
108) Acenaphthene-d10a	6.826	164	592511	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.397	112	198659	22.76	ppb		0.00
Spiked Amount 50.000			Recovery = 45.52%				
8) Phenol-d5	3.145	99	260141	23.67	ppb		0.00
Spiked Amount 50.000			Recovery = 47.34%				
25) Nitrobenzene-d5	4.016	82	262238	29.68	ppb		0.00
Spiked Amount 50.000			Recovery = 59.36%				
51) 2-Fluorobiphenyl	6.046	172	473706	25.22	ppb		0.00
Spiked Amount 50.000			Recovery = 50.44%				
73) 2,4,6-Tribromophenol	7.782	330	74915	31.07	ppb		0.00
Spiked Amount 50.000			Recovery = 62.14%				
86) Terphenyl-d14	10.779	244	492315	27.15	ppb		0.00
Spiked Amount 50.000			Recovery = 54.30%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.499	88	72258	16.52	ppb		88
3) Pyridine	1.654	79	200929	17.73	ppb		73
4) N-Nitrosodimethylamine	1.633	74	106034	17.31	ppb	#	12
6) Indene	3.706	116	459014	26.54	ppb		99
7) Cumene	2.765	105	644010	26.33	ppb		94
9) Phenol	3.155	94	306719	24.86	ppb	#	23
10) Aniline	3.161	93	346825	25.87	ppb		49
11) bis(2-Chloroethyl)ether	3.209	93	194405	22.48	ppb		95
12) 2-Chlorophenol	3.273	128	247955	25.21	ppb		93
13) Decane	3.300	43	357296	30.55	ppb		75
14) 1,3-Dichlorobenzene	3.406	146	272608	25.74	ppb		98
15) 1,4-Dichlorobenzene	3.476	146	275556	25.40	ppb		98
16) Benzyl alcohol	3.599	108	153362	25.89	ppb		82
17) 1,2-Dichlorobenzene	3.626	146	258660	25.44	ppb		100
18) Acetophenone	3.855	105	397620	28.12	ppb		93
19) 2-Methylphenol	3.727	108	210471	25.42	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.727	121	72448	25.36	ppb	#	72
21) 3&4-Methylphenol	3.887	108	223572	25.15	ppb		96
22) n-Nitroso-di-n-propyla...	3.855	70	177010m	28.41	ppb		
23) Hexachloroethane	3.957	201	96403	28.75	ppb		97
26) Nitrobenzene	4.032	77	274240	28.08	ppb		87
27) Quinoline	5.191	129	541424	26.96	ppb		99
28) Isophorone	4.283	82	446615	27.69	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:12:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.373	139	136315	29.81	ppb		69
30) 2,4-Dimethylphenol	4.448	107	258599	33.91	ppb		90
31) Benzoic Acid	4.587	105	168492	39.48	ppb	#	48
32) bis(2-Chloroethoxy)met...	4.528	93	234157	23.88	ppb		99
33) 2,4-Dichlorophenol	4.651	162	199791	28.57	ppb		99
34) 2,6-Dichlorophenol	4.897	162	197773	28.84	ppb		99
35) 1,3,5-Trichlorobenzene	4.379	180	265987	27.28	ppb		96
36) 1,2,4-Trichlorobenzene	4.726	180	218874	26.28	ppb		96
37) 1,2,3-Trichlorobenzene	4.977	180	256301	27.80	ppb		100
38) Naphthalene	4.806	128	712507	25.48	ppb		100
39) 4-Chloroaniline	4.892	127	297857	27.01	ppb		95
40) 2,3-Dichloroaniline	5.944	161	286276	29.91	ppb		96
41) Caprolactam	5.276	55	137784	29.58	ppb		89
42) Hexachlorobutadiene	4.961	225	136882	30.41	ppb		96
43) 4-Chloro-3-methylphenol	5.495	107	216617	29.16	ppb		95
44) 2-Methylnaphthalene	5.602	141	418780	27.57	ppb		93
45) 1-Methylnaphthalene	5.714	141	464622	27.77	ppb		95
46) Dimethylnaphthalene	6.339	156	488533	28.81	ppb		94
48) Hexachlorocyclopentadiene	5.794	237	249921	53.36	ppb		99
49) 2,4,6-Trichlorophenol	5.960	196	144729	28.15	ppb		98
50) 2,4,5-Trichlorophenol	6.014	196	149494	27.41	ppb		97
52) 2-Chloronaphthalene	6.168	162	444557	25.22	ppb		95
53) Biphenyl	6.158	154	671658	26.80	ppb		99
54) 2-Nitroaniline	6.318	65	165769	34.29	ppb	#	78
55) Dimethylphthalate	6.548	163	487651	25.91	ppb		100
56) Acenaphthylene	6.655	152	725834	26.21	ppb		99
57) 2,6-Dinitrotoluene	6.612	165	108259	28.06	ppb		78
58) 3-Nitroaniline	6.815	138	132850	27.25	ppb		87
59) Acenaphthene	6.863	153	448208	25.58	ppb		99
60) 2,4-Dinitrophenol	6.948	184	100130	44.93	ppb	#	52
61) 4-Nitrophenol	7.098	109	92710	42.03	ppb	#	61
62) Dibenzofuran	7.077	168	627589	25.82	ppb		85
63) 2,4-Dinitrotoluene	7.098	165	156619	29.74	ppb	#	51
64) 2,3,4,6-Tetrachlorophenol	7.253	232	128421	29.08	ppb		93
65) Diethylphthalate	7.397	149	543505	29.66	ppb		98
66) Fluorene	7.483	166	515485	27.12	ppb		100
67) 4-Chlorophenyl-phenyle...	7.504	204	223528	25.13	ppb		86
68) 4-Nitroaniline	7.552	138	132371	27.09	ppb	#	64
70) 4,6-Dinitro-2-methylph...	7.589	198	79304	25.04	ppb		77
71) n-Nitrosodiphenylamine	7.654	169	336281	26.90	ppb		99
72) 1,2-Diphenylhydrazine	7.691	77	576466	29.65	ppb		89
74) 4-Bromophenyl-phenylether	8.086	248	135558	26.75	ppb		83
75) Hexachlorobenzene	8.150	284	158419	26.20	ppb		83
76) Pentachlorophenol	8.412	266	177305	57.68	ppb		99
77) Phenanthrene	8.637	178	717264	24.99	ppb		99
78) Anthracene	8.701	178	740499	26.62	ppb		99
79) Carbazole	8.930	167	773867	26.86	ppb		97
80) Di-n-butylphthalate	9.427	149	877661	31.01	ppb		98
81) Fluoranthene	10.197	202	749278	26.81	ppb		89
82) Octadecane	8.551	57	413627	30.52	ppb		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:12:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration

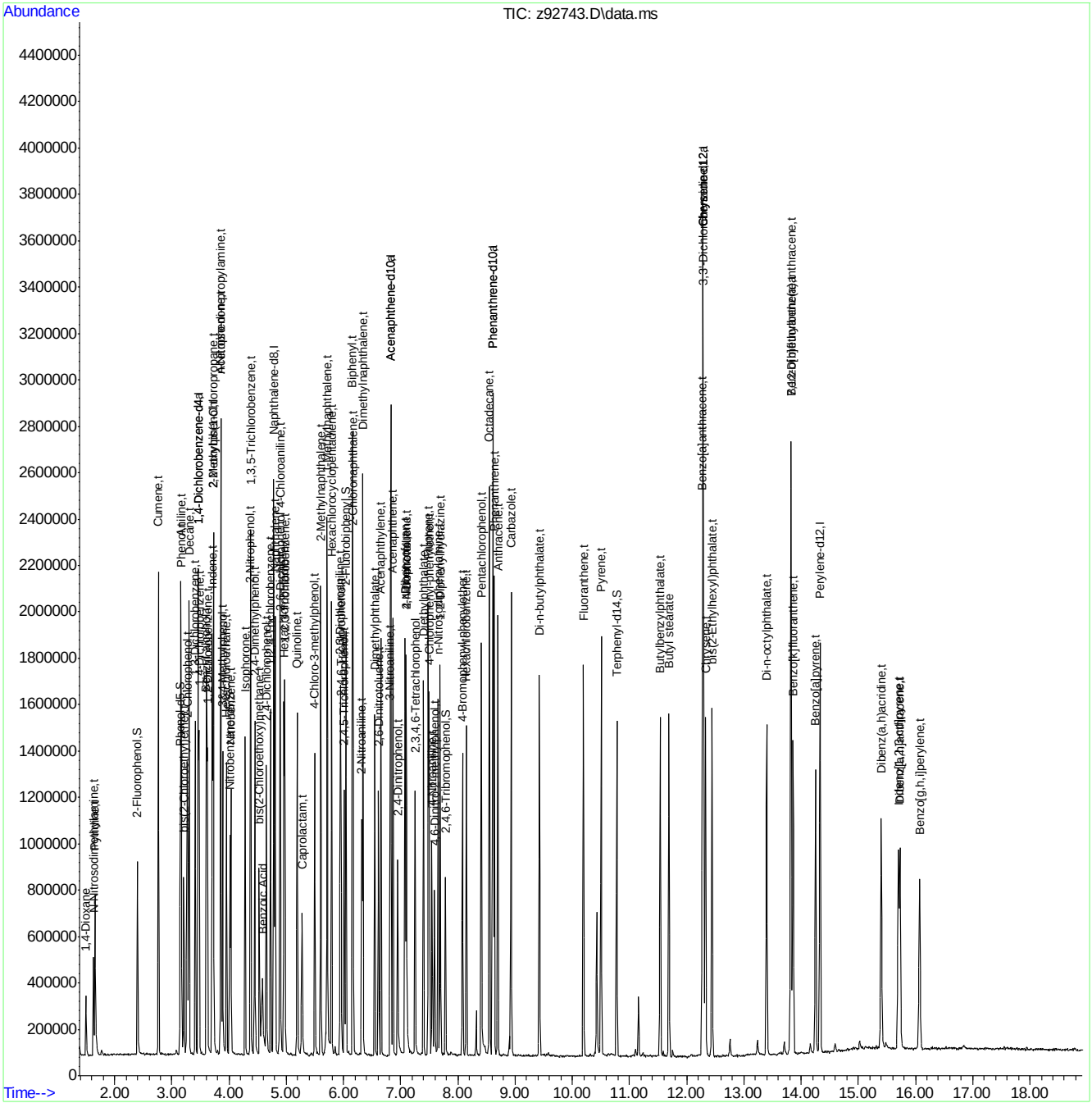
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84)	Pyrene	10.506	202	766583	27.89	ppb	90
85)	Butyl stearate	11.687	56	224942	30.31	ppb	93
87)	Butylbenzylphthalate	11.537	149	384131	34.65	ppb	94
88)	Benzo[a]anthracene	12.275	228	672151	27.11	ppb	99
89)	3,3'-Dichlorobenzidine	12.285	252	251701	30.88	ppb	98
90)	Chrysene	12.328	228	596569	24.24	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.446	149	481162	31.95	ppb	97
93)	Di-n-octylphthalate	13.397	149	807011	34.77	ppb	95
94)	Benzo[b]fluoranthene	13.824	252	646074	29.59	ppb	95
95)	Benzo[k]fluoranthene	13.861	252	596574	26.45	ppb	95
96)	Benzo[a]pyrene	14.251	252	544579	28.08	ppb	95
97)	Indeno[1,2,3-cd]pyrene	15.704	276	489082m	26.14	ppb	
98)	Dibenz(a,h)acridine	15.400	279	502249	27.57	ppb	99
99)	Dibenz[a,h]anthracene	15.731	278	474132	24.03	ppb	92
100)	7,12-Dimethylbenz(a)an...	13.824	256	340228	40.01	ppb	96
101)	Benzo[g,h,i]perylene	16.073	276	459772	23.59	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:12:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

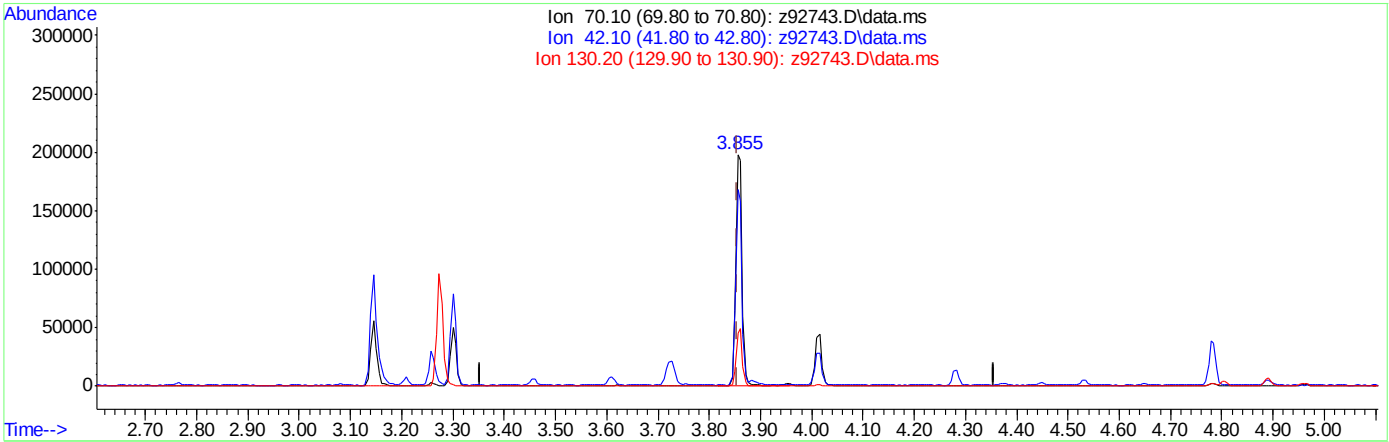
Sample Number:	EZ4607-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92743.D	**Analyst approved:**	06/19/14 15:16 Andrew Lee Smith
Injection Time:	06/18/14 22:00	**Supervisor approved:**	06/19/14 15:52 Nina Pandya

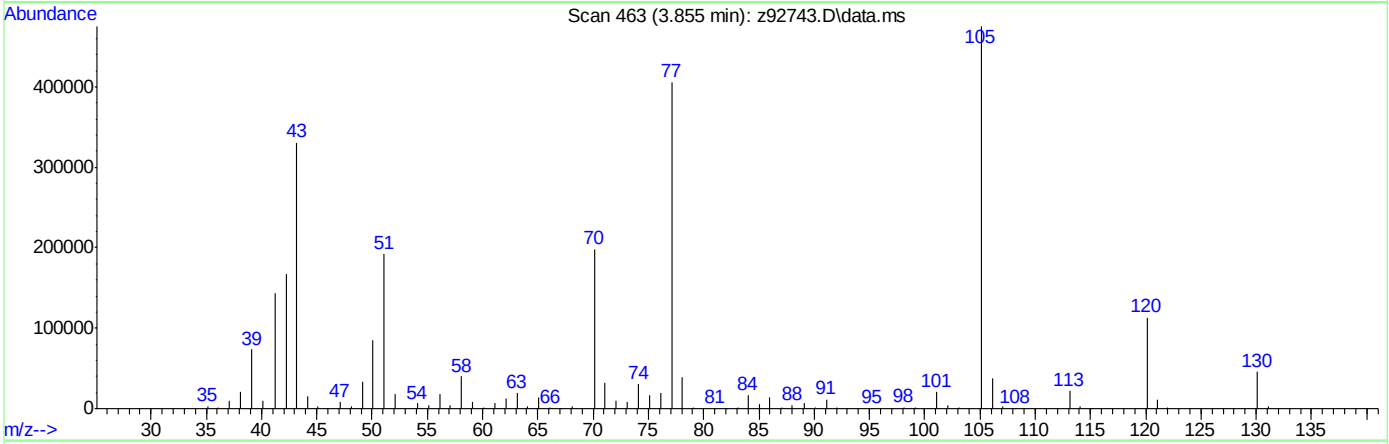
Parameter	CAS	Sig#	R.T. (min.)	Reason
N-Nitroso-di-n-propylamine	621-64-7		3.86	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		15.70	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:11:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration





TIC: z92743.D\data.ms

(22) n-Nitroso-di-n-propylamine (t)

3.855min (0.000) 28.41ppb m

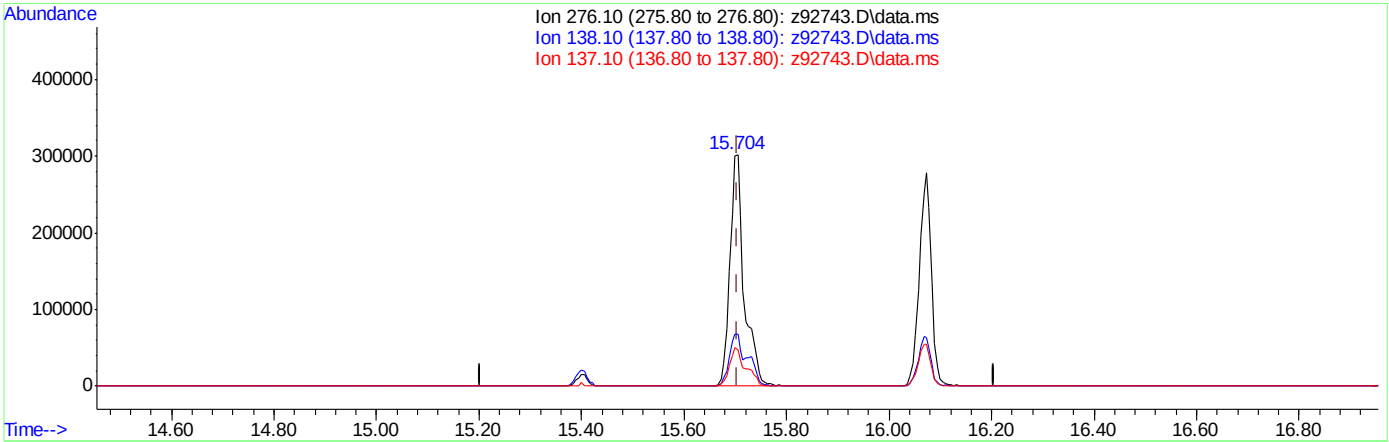
response 177010

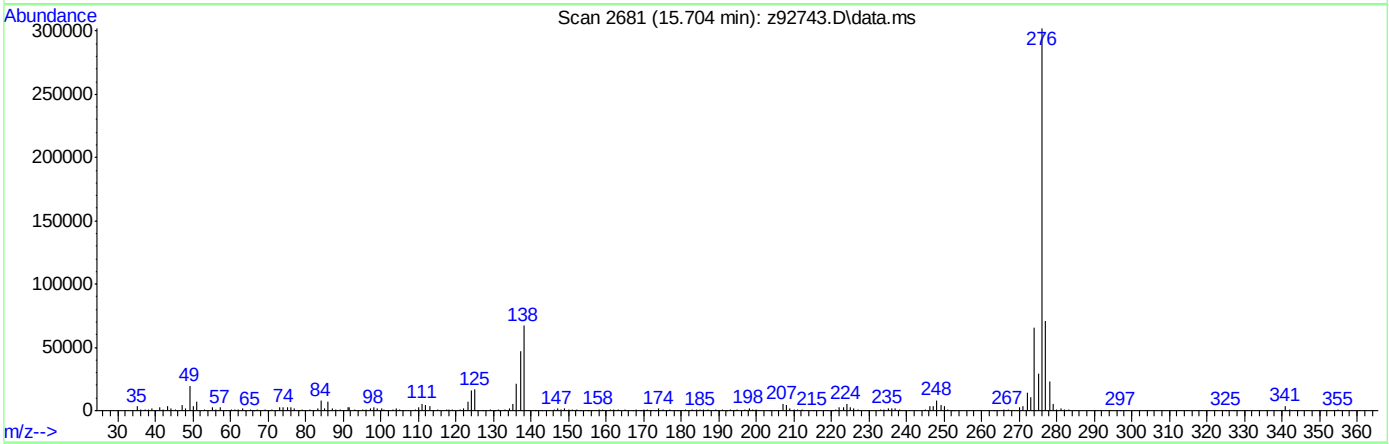
Ion	Exp%	Act%
70.10	100	100
42.10	53.20	84.63#
130.20	26.40	22.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:11:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
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TIC: z92743.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.704min (0.000) 31.00ppb

response 579982

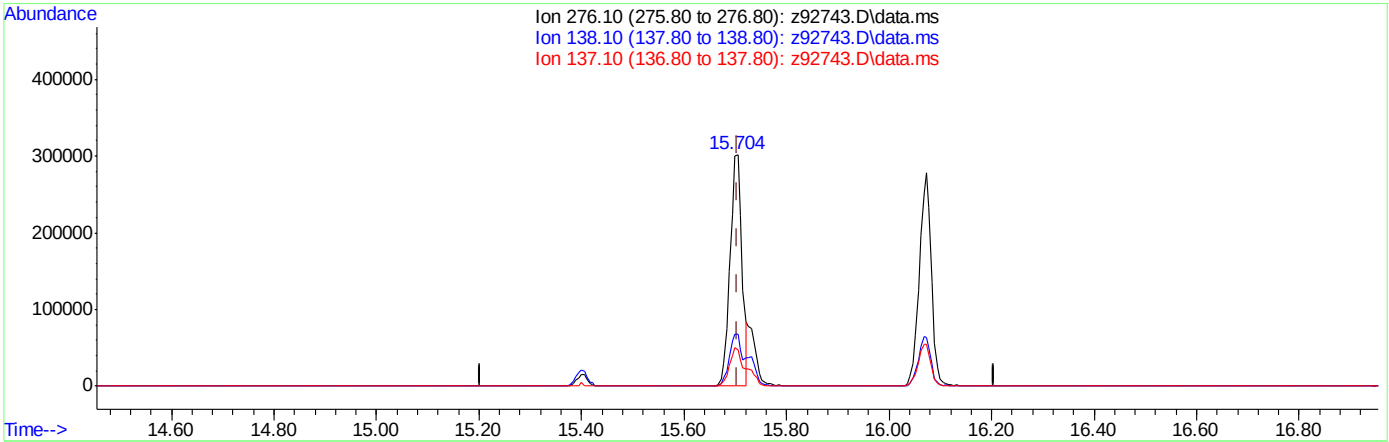
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	22.18
137.10	19.30	15.43
0.00	0.00	0.00

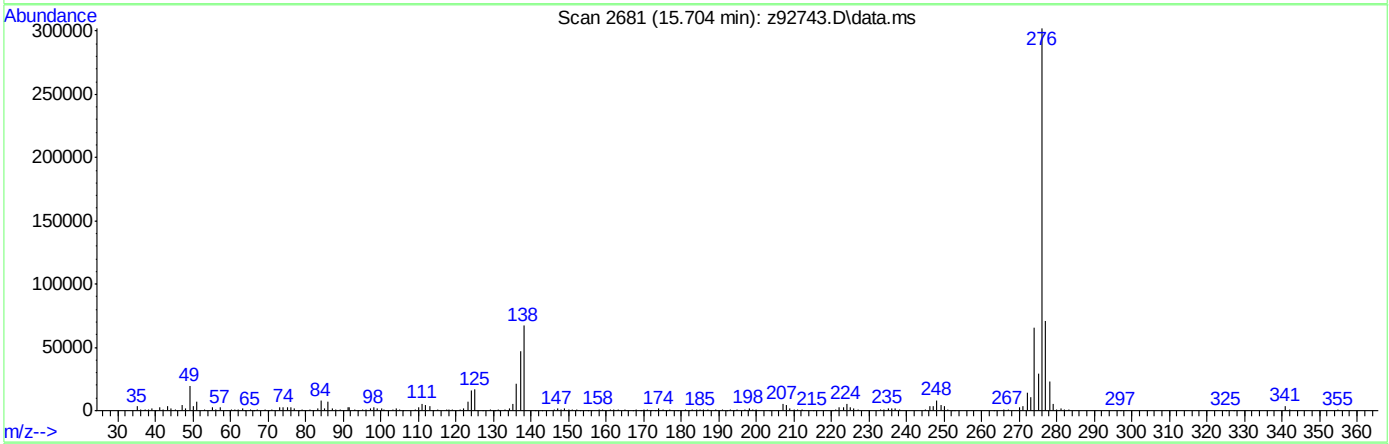
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92743.D
Acq On : 18 Jun 2014 10:00 pm
Operator : andrews1
Sample : cc4569-25
Misc : op75490,ez4607
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 15:11:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:10:55 2014
Response via : Initial Calibration





TIC: z92743.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.704min (0.000) 26.14ppb m

response 489082

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	22.22
137.10	19.30	15.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92744.D
Acq On : 18 Jun 2014 10:28 pm
Operator : andrews1
Sample : cc4571-25
Misc : op75490,ez4607
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:14:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:13:56 2014
Response via : Initial Calibration

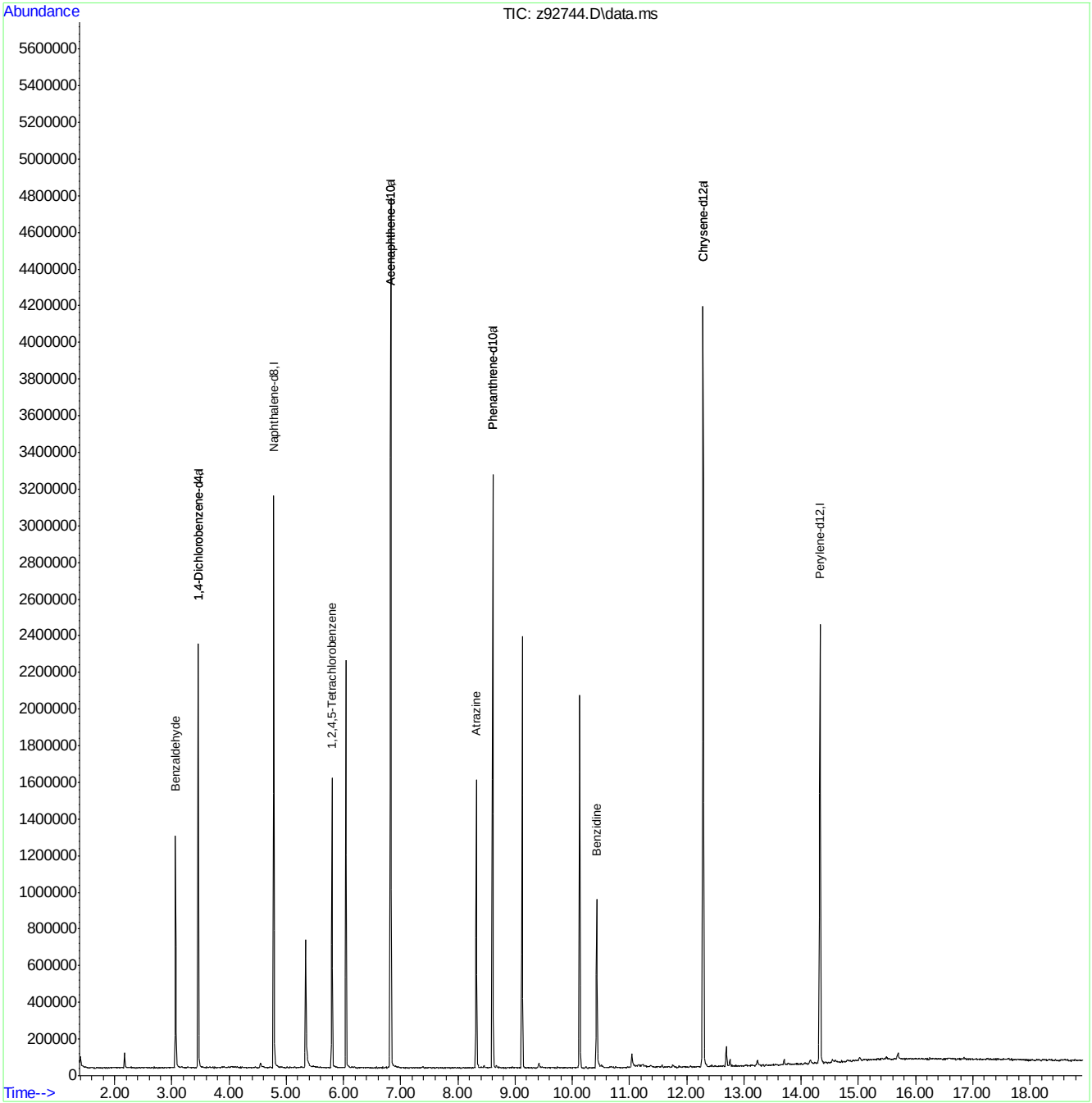
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.460	152	312480	40.00	ppb	0.00
24) Naphthalene-d8	4.779	136	1237865	40.00	ppb	0.00
47) Acenaphthene-d10	6.826	164	733233	40.00	ppb	0.00
69) Phenanthrene-d10	8.610	188	1200683	40.00	ppb	0.00
83) Chrysene-d12	12.285	240	1195700	40.00	ppb	0.00
92) Perylene-d12	14.331	264	1031133	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.460	152	312480	40.00	ppb	0.00
104) Phenanthrene-d10a	8.610	188	1200683	40.00	ppb	0.00
106) Chrysene-d12a	12.285	240	1195700	40.00	ppb	0.00
108) Acenaphthene-d10a	6.826	164	733233	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.065	105	185720	25.31	ppb	# 82
105) Atrazine	8.327	215	81881	26.47	ppb	# 78
107) Benzidine	10.432	184	410424	33.43	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.805	216	242196	27.36	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4607\
Data File : z92744.D
Acq On : 18 Jun 2014 10:28 pm
Operator : andrews1
Sample : cc4571-25
Misc : op75490,ez4607
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 15:14:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:13:56 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/23/14 13:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 13:53:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.428	152	256640	40.00	ppb		0.00
24) Naphthalene-d8	4.753	136	1003025	40.00	ppb		0.00
47) Acenaphthene-d10	6.794	164	585962	40.00	ppb		0.00
69) Phenanthrene-d10	8.572	188	1000440	40.00	ppb		0.00
83) Chrysene-d12	12.248	240	962047	40.00	ppb		0.00
92) Perylene-d12	14.289	264	762412	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.428	152	256640	40.00	ppb		0.00
104) Phenanthrene-d10a	8.572	188	1000440	40.00	ppb		0.00
106) Chrysene-d12a	12.248	240	962047	40.00	ppb		0.00
108) Acenaphthene-d10a	6.794	164	585962	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.375	112	187221	21.35	ppb		0.00
Spiked Amount 50.000			Recovery = 42.70%				
8) Phenol-d5	3.118	99	243627	22.06	ppb		0.00
Spiked Amount 50.000			Recovery = 44.12%				
25) Nitrobenzene-d5	3.983	82	242652	27.45	ppb		0.00
Spiked Amount 50.000			Recovery = 54.90%				
51) 2-Fluorobiphenyl	6.014	172	443754	23.89	ppb		0.00
Spiked Amount 50.000			Recovery = 47.78%				
73) 2,4,6-Tribromophenol	7.750	330	70281	28.75	ppb		0.00
Spiked Amount 50.000			Recovery = 57.50%				
86) Terphenyl-d14	10.736	244	481260	24.87	ppb		0.00
Spiked Amount 50.000			Recovery = 49.74%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.478	88	61729	14.05	ppb		90
3) Pyridine	1.638	79	166773	14.65	ppb		73
4) N-Nitrosodimethylamine	1.612	74	99753	16.21	ppb	#	18
6) Indene	3.679	116	371106	21.35	ppb		99
7) Cumene	2.739	105	519534	21.13	ppb		96
9) Phenol	3.129	94	273075	22.03	ppb	#	17
10) Aniline	3.134	93	322503	23.94	ppb		52
11) bis(2-Chloroethyl)ether	3.182	93	175850	20.24	ppb		97
12) 2-Chlorophenol	3.246	128	220095	22.27	ppb		97
13) Decane	3.273	43	282201	24.01	ppb		77
14) 1,3-Dichlorobenzene	3.380	146	246878	23.20	ppb		98
15) 1,4-Dichlorobenzene	3.444	146	254283	23.32	ppb		98
16) Benzyl alcohol	3.572	108	140471	23.60	ppb		81
17) 1,2-Dichlorobenzene	3.594	146	243212	23.80	ppb		99
18) Acetophenone	3.829	105	320750	22.58	ppb		98
19) 2-Methylphenol	3.700	108	196109	23.57	ppb		96
20) 2,2'-oxybis(1-Chloropr...	3.695	121	68114	23.73	ppb	#	68
21) 3&4-Methylphenol	3.861	108	205256	22.98	ppb		98
22) n-Nitroso-di-n-propyla...	3.829	70	159219	25.43	ppb		72
23) Hexachloroethane	3.930	201	86536	25.68	ppb		89
26) Nitrobenzene	4.005	77	242960	24.87	ppb		90
27) Quinoline	5.159	129	435440	21.67	ppb		100
28) Isophorone	4.251	82	406808	25.20	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 13:53:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.341	139	124422	27.20	ppb		76
30) 2,4-Dimethylphenol	4.416	107	229559	30.08	ppb		91
31) Benzoic Acid	4.560	105	173712	40.68	ppb	#	59
32) bis(2-Chloroethoxy)met...	4.502	93	218988	22.32	ppb		97
33) 2,4-Dichlorophenol	4.619	162	183259	26.19	ppb		97
34) 2,6-Dichlorophenol	4.865	162	178774	26.06	ppb		99
35) 1,3,5-Trichlorobenzene	4.352	180	213324	21.87	ppb		97
36) 1,2,4-Trichlorobenzene	4.694	180	206759	24.81	ppb		98
37) 1,2,3-Trichlorobenzene	4.945	180	204140	22.13	ppb		99
38) Naphthalene	4.774	128	643179	22.99	ppb		99
39) 4-Chloroaniline	4.860	127	275373	24.96	ppb		95
40) 2,3-Dichloroaniline	5.912	161	229396	23.95	ppb		97
41) Caprolactam	5.244	55	111030	23.82	ppb		90
42) Hexachlorobutadiene	4.929	225	125772	27.93	ppb		98
43) 4-Chloro-3-methylphenol	5.463	107	195012	26.23	ppb		94
44) 2-Methylnaphthalene	5.570	141	374310	24.63	ppb		94
45) 1-Methylnaphthalene	5.682	141	377964	22.58	ppb		93
46) Dimethylnaphthalene	6.307	156	390181	23.00	ppb		93
48) Hexachlorocyclopentadiene	5.762	237	186532	40.27	ppb		97
49) 2,4,6-Trichlorophenol	5.928	196	128857	25.34	ppb		99
50) 2,4,5-Trichlorophenol	5.981	196	141959	26.32	ppb		100
52) 2-Chloronaphthalene	6.136	162	404293	23.19	ppb		95
53) Biphenyl	6.126	154	545896	22.03	ppb		97
54) 2-Nitroaniline	6.286	65	151120	31.61	ppb		80
55) Dimethylphthalate	6.516	163	455656	24.48	ppb		99
56) Acenaphthylene	6.623	152	665805	24.31	ppb		99
57) 2,6-Dinitrotoluene	6.580	165	104406	27.37	ppb		78
58) 3-Nitroaniline	6.783	138	121897	25.28	ppb		90
59) Acenaphthene	6.831	153	406129	23.44	ppb		97
60) 2,4-Dinitrophenol	6.916	184	100981	45.60	ppb	#	59
61) 4-Nitrophenol	7.071	109	81974	37.58	ppb	#	61
62) Dibenzofuran	7.045	168	571536	23.78	ppb		83
63) 2,4-Dinitrotoluene	7.066	165	147012	28.23	ppb		62
64) 2,3,4,6-Tetrachlorophenol	7.221	232	115606	26.47	ppb		97
65) Diethylphthalate	7.365	149	503611	27.79	ppb		98
66) Fluorene	7.451	166	470856	25.05	ppb		98
67) 4-Chlorophenyl-phenyle...	7.472	204	207295	23.56	ppb		85
68) 4-Nitroaniline	7.515	138	124997	25.87	ppb	#	57
70) 4,6-Dinitro-2-methylph...	7.557	198	75916	23.64	ppb		78
71) n-Nitrosodiphenylamine	7.622	169	310034	24.46	ppb		99
72) 1,2-Diphenylhydrazine	7.659	77	511316	25.94	ppb		91
74) 4-Bromophenyl-phenylether	8.054	248	127304	24.78	ppb		92
75) Hexachlorobenzene	8.118	284	148208	24.18	ppb		84
76) Pentachlorophenol	8.380	266	171769	55.12	ppb		98
77) Phenanthrene	8.605	178	681015	23.40	ppb		98
78) Anthracene	8.663	178	687938	24.39	ppb		99
79) Carbazole	8.893	167	632043	21.64	ppb		98
80) Di-n-butylphthalate	9.390	149	836741	29.16	ppb		99
81) Fluoranthene	10.159	202	703307	24.82	ppb		90
82) Octadecane	8.519	57	328470	23.91	ppb		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 13:53:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.464	202	732043	24.96	ppb	93
85) Butyl stearate	11.650	56	320172	40.43	ppb	96
87) Butylbenzylphthalate	11.500	149	366415	30.97	ppb	96
88) Benzo[a]anthracene	12.237	228	644249	24.35	ppb	99
89) 3,3'-Dichlorobenzidine	12.243	252	247294	28.43	ppb	98
90) Chrysene	12.285	228	571384	21.75	ppb	98
91) bis(2-Ethylhexyl)phtha...	12.408	149	472448	29.40	ppb	99
93) Di-n-octylphthalate	13.359	149	794017	33.09	ppb	95
94) Benzo[b]fluoranthene	13.781	252	623911	27.46	ppb	96
95) Benzo[k]fluoranthene	13.819	252	544365	23.20	ppb	94
96) Benzo[a]pyrene	14.209	252	515851	25.56	ppb	94
97) Indeno[1,2,3-cd]pyrene	15.651	276	438112m	22.50	ppb	
98) Dibenz(a,h)acridine	15.352	279	393760	20.77	ppb	98
99) Dibenz[a,h]anthracene	15.683	278	416927	20.31	ppb	93
100) 7,12-Dimethylbenz(a)an...	13.781	256	285762	32.30	ppb	95
101) Benzo[g,h,i]perylene	16.014	276	406551	20.04	ppb	88

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

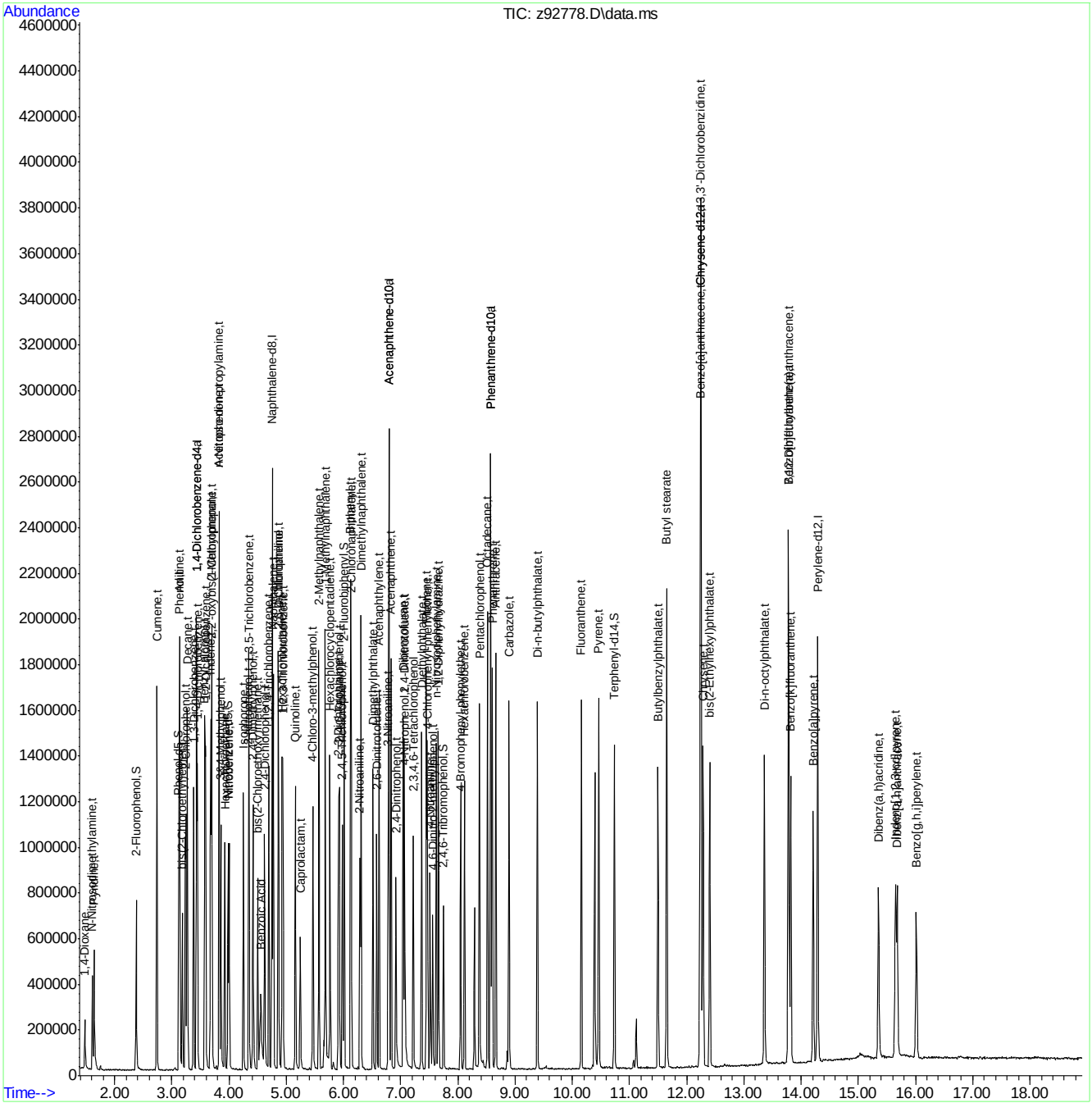
9.6.180

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 13:53:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration



Manual Integration Approval Summary

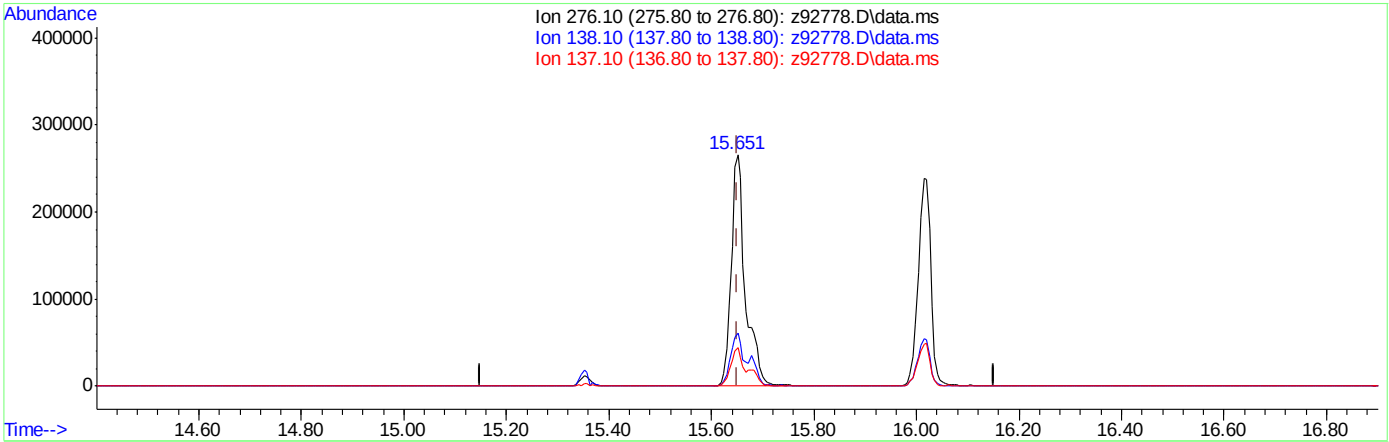
Sample Number:	EZ4609-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92778.D	**Analyst approved:**	06/20/14 16:08 Ashley Royal
Injection Time:	06/19/14 19:21	**Supervisor approved:**	06/23/14 13:24 Cheng-Hwan Ao

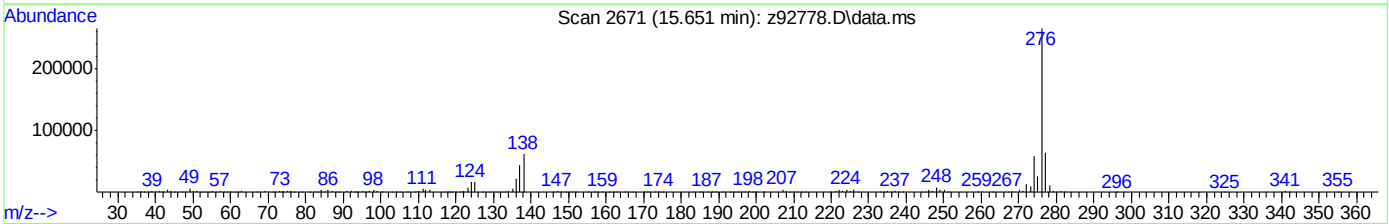
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		15.65	Poor instrument integration

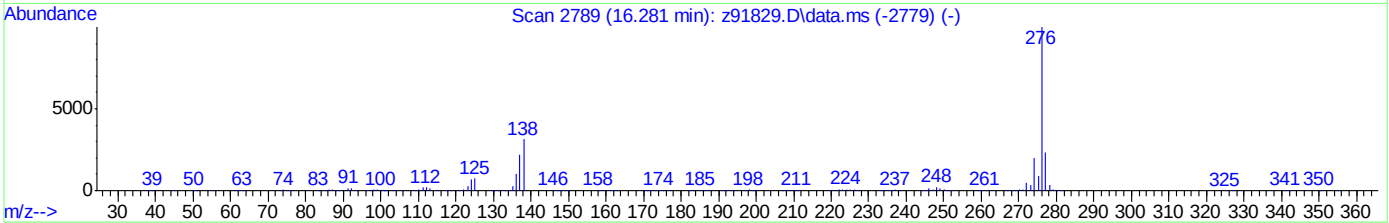
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 19:43:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration







TIC: z92778.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.651min (0.000) 26.33ppb

response 512615

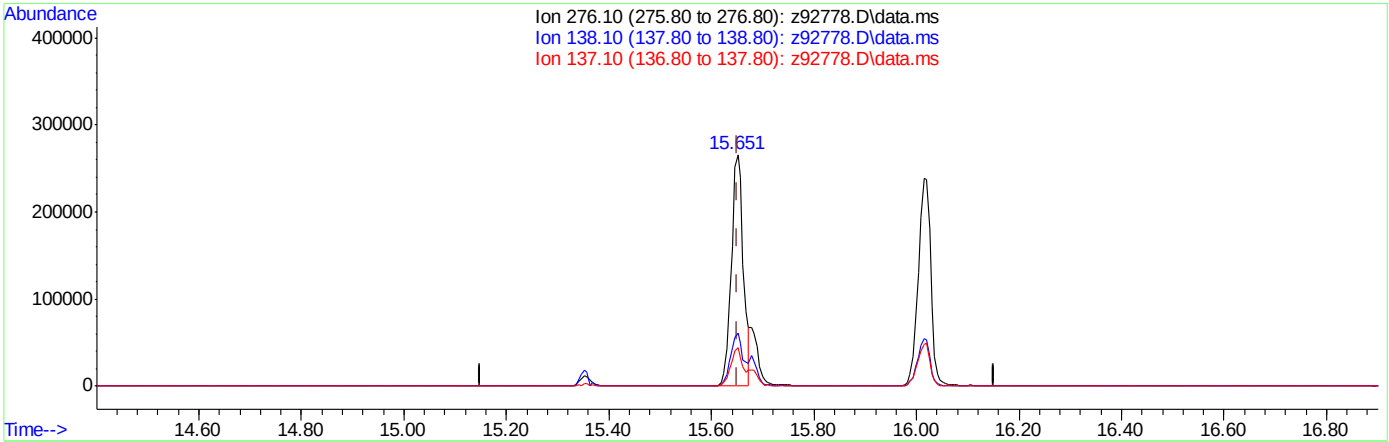
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	23.12
137.10	19.30	16.60
0.00	0.00	0.00

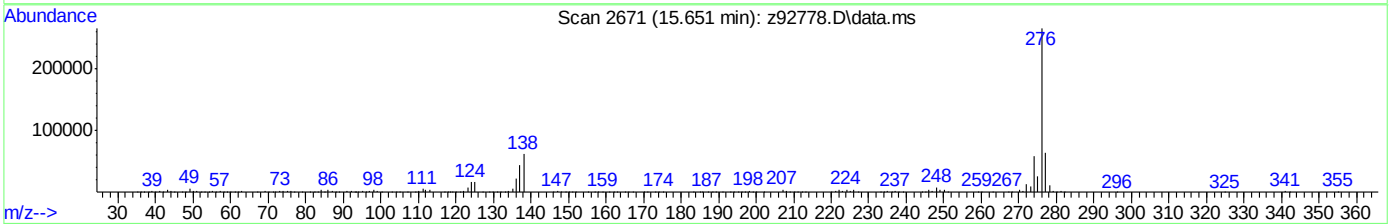
ACCUTEST LABORATORIES JB69123

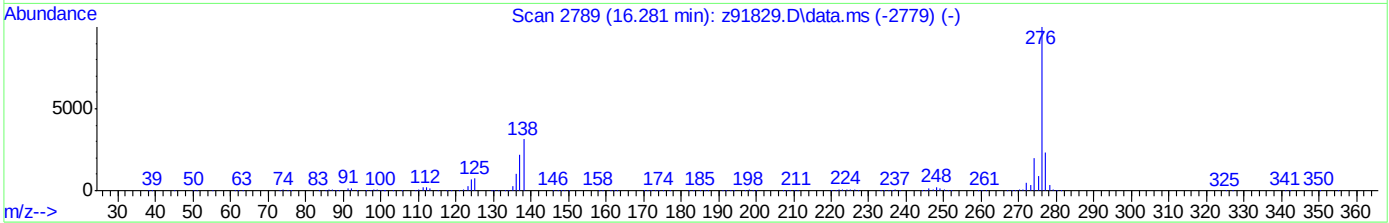
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92778.D
Acq On : 19 Jun 2014 7:21 pm
Operator : ashleyv
Sample : cc4569-25
Misc : op75490,ez4609
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 19:43:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 19:43:27 2014
Response via : Initial Calibration







TIC: z92778.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

15.651min (0.000) 22.50ppb m

response 438112

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	23.16
137.10	19.30	16.67
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92779.D
Acq On : 19 Jun 2014 7:49 pm
Operator : ashleyv
Sample : cc4571-25
Misc : op75490,ez4609
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 20 13:54:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 13:53:49 2014
Response via : Initial Calibration

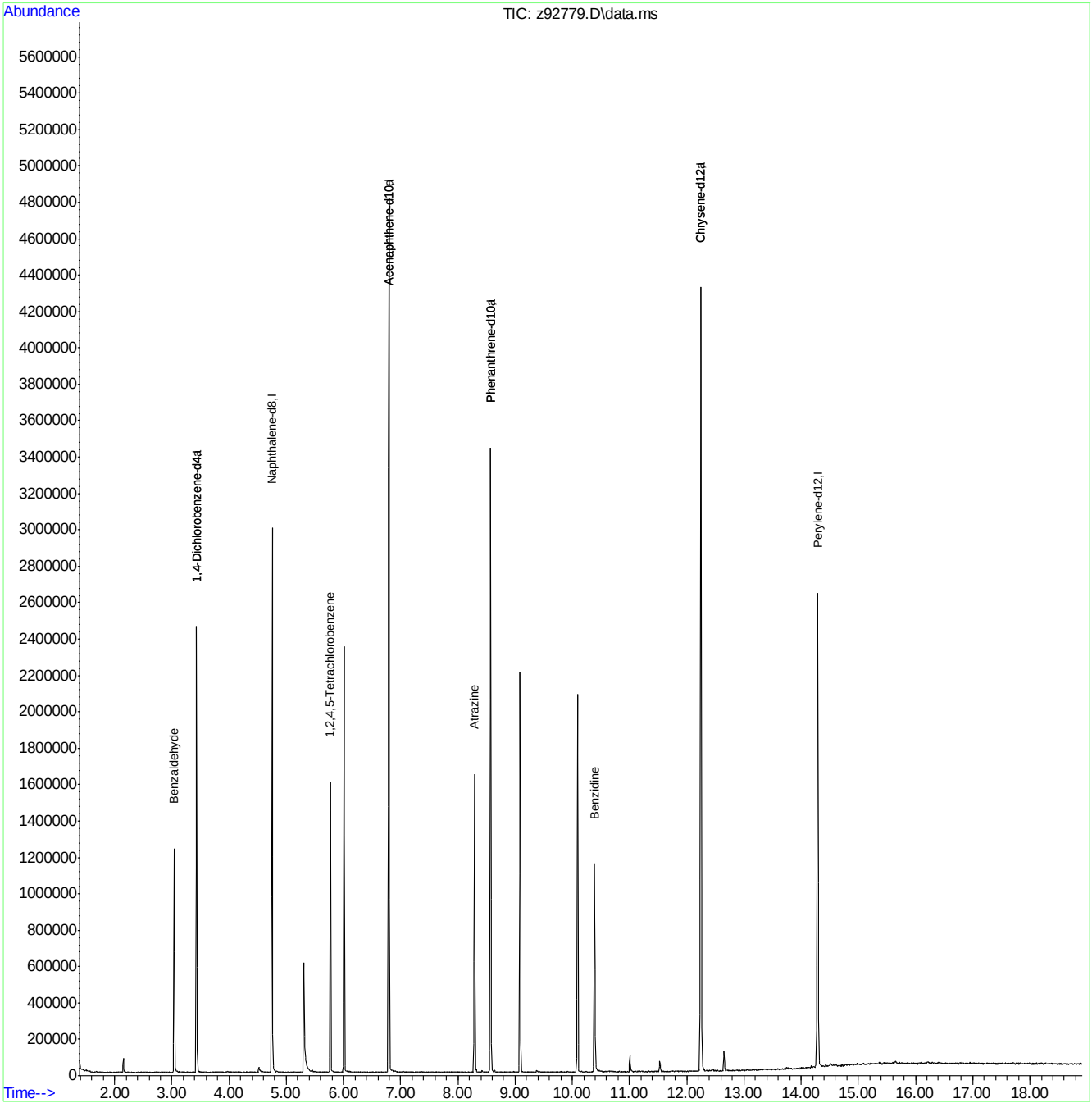
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.428	152	301917	40.00	ppb	0.00
24) Naphthalene-d8	4.753	136	1221994	40.00	ppb	0.00
47) Acenaphthene-d10	6.793	164	728530	40.00	ppb	0.00
69) Phenanthrene-d10	8.572	188	1237826	40.00	ppb	0.00
83) Chrysene-d12	12.248	240	1265936	40.00	ppb	0.00
92) Perylene-d12	14.289	264	1109453	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.428	152	301917	40.00	ppb	0.00
104) Phenanthrene-d10a	8.572	188	1237826	40.00	ppb	0.00
106) Chrysene-d12a	12.248	240	1265936	40.00	ppb	0.00
108) Acenaphthene-d10a	6.793	164	728530	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.038	105	183256	25.85	ppb	# 82
105) Atrazine	8.295	215	82537	25.86	ppb	# 82
107) Benzidine	10.389	184	502781	38.69	ppb	99
109) 1,2,4,5-Tetrachloroben...	5.773	216	238473	27.11	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4609\
Data File : z92779.D
Acq On : 19 Jun 2014 7:49 pm
Operator : ashleyv
Sample : cc4571-25
Misc : op75490,ez4609
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 20 13:54:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 20 13:53:49 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92843a.D
Acq On : 23 Jun 2014 2:11 pm
Operator : ashleyv
Sample : ic4614-100
Misc : op75490,ez4614
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 17:05:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

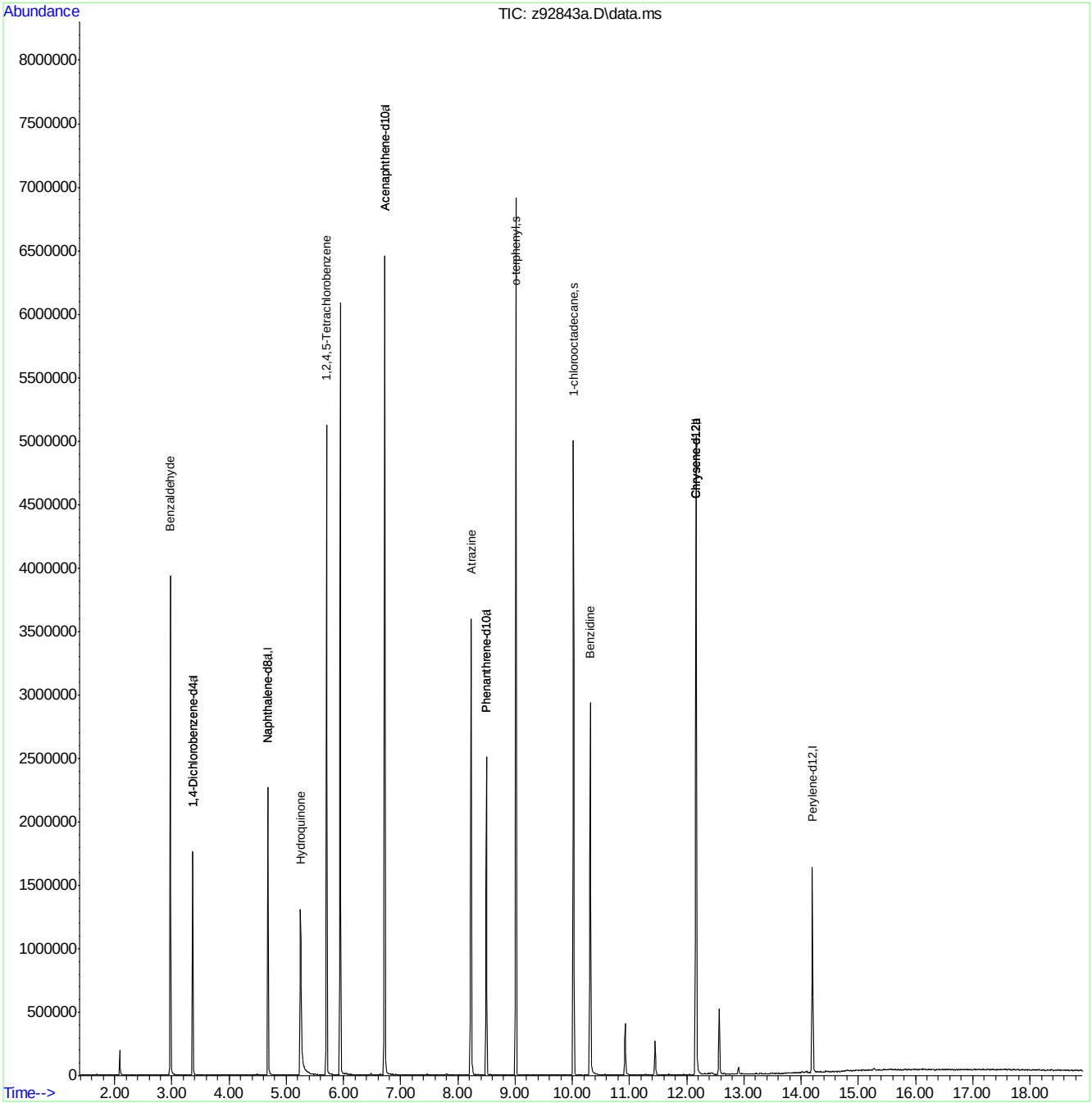
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	236464	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	913358	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	545118	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	895175	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	875297	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	697351	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	236464	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	895175	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	875297	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	545118	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	913358	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	875297	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
106) o-terphenyl	9.016	230	1364813	158.11	ppb	0.00
Spiked Amount 50.000			Recovery = 316.22%			
109) 1-chlorooctadecane	10.020	57	676229	187.84	ppb	0.00
Spiked Amount 50.000			Recovery = 375.68%			
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	612144	141.48	ppb	# 83
105) Atrazine	8.236	215	235390	158.33	ppb	# 84
108) Benzidine	10.319	184	1338998	188.92	ppb	98
111) 1,2,4,5-Tetrachloroben...	5.704	216	769689	151.97	ppb	98
113) Hydroquinone	5.250	110	750643	144.31	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92843a.D
Acq On : 23 Jun 2014 2:11 pm
Operator : ashleyv
Sample : ic4614-100
Misc : op75490,ez4614
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 17:05:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



MZ4613.M Mon Jun 23 17:06:17 2014 RTE Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92844.D
Acq On : 23 Jun 2014 2:37 pm
Operator : ashleyv
Sample : ic4614-80
Misc : op75490,ez4614
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 17:07:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

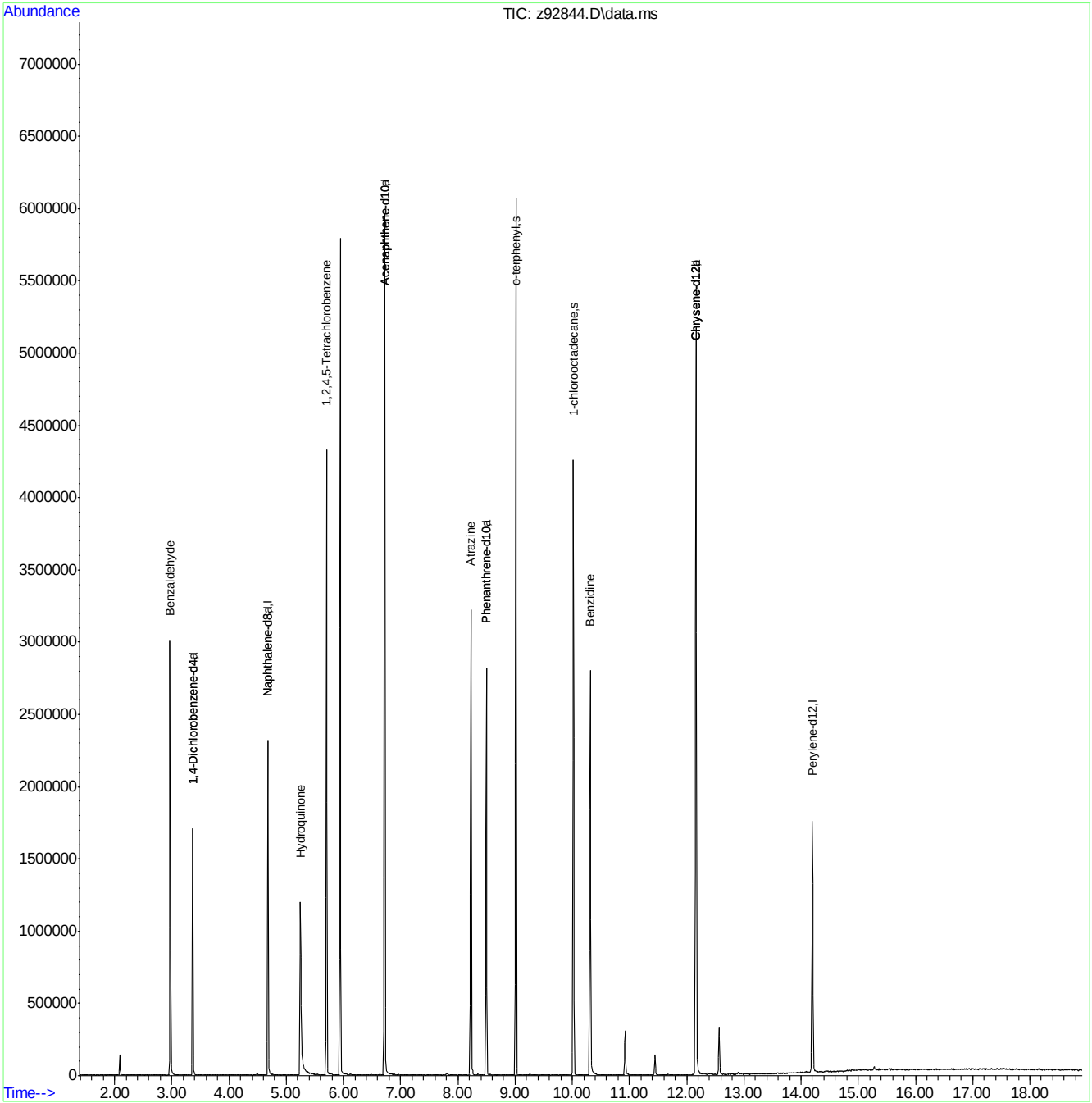
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	238168	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	966208	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	591355	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	973925	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	978825	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	761740	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	238168	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	973925	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	978825	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	591355	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	966208	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	978825	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.016	230	1190416	126.76	ppb	0.00
Spiked Amount 50.000			Recovery =	253.52%		
109) 1-chlorooctadecane	10.020	57	604529	150.16	ppb	0.00
Spiked Amount 50.000			Recovery =	300.32%		
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	485595	111.43	ppb	81
105) Atrazine	8.231	215	209445	129.49	ppb #	83
108) Benzidine	10.314	184	1280170	161.52	ppb	98
111) 1,2,4,5-Tetrachloroben...	5.704	216	648779	118.08	ppb	99
113) Hydroquinone	5.244	110	654697	118.98	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92844.D
Acq On : 23 Jun 2014 2:37 pm
Operator : ashleyv
Sample : ic4614-80
Misc : op75490,ez4614
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 17:07:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92845.D
Acq On : 23 Jun 2014 3:03 pm
Operator : ashleyv
Sample : icc4614-50
Misc : op75490,ez4614
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 17:08:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

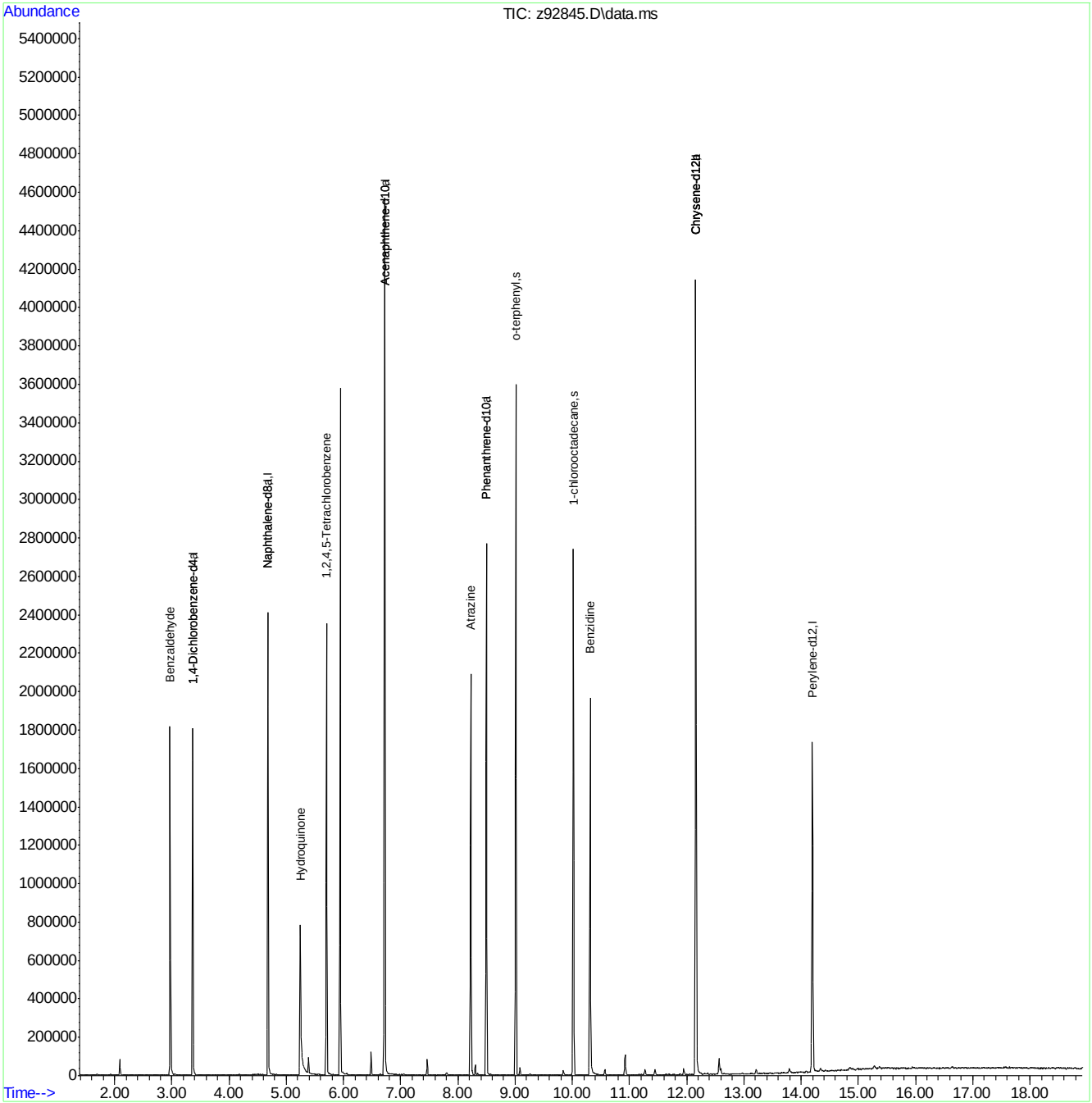
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	240105	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	978377	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	593286	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	989052	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	962626	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	736575	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	240105	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	989052	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	962626	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	593286	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	978377	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	962626	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.016	230	710077	74.45	ppb	0.00
Spiked Amount 50.000			Recovery =	148.90%		
109) 1-chlorooctadecane	10.015	57	370250	93.52	ppb	0.00
Spiked Amount 50.000			Recovery =	187.04%		
Target Compounds						Qvalue
103) Benzaldehyde	2.968	105	294955	67.14	ppb	84
105) Atrazine	8.230	215	128139	78.01	ppb #	84
108) Benzidine	10.314	184	812699	104.26	ppb	99
111) 1,2,4,5-Tetrachloroben...	5.704	216	397241	72.06	ppb	99
113) Hydroquinone	5.244	110	384866	69.07	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92845.D
Acq On : 23 Jun 2014 3:03 pm
Operator : ashleyv
Sample : icc4614-50
Misc : op75490,ez4614
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 17:08:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92846.D
Acq On : 23 Jun 2014 3:29 pm
Operator : ashleyv
Sample : ic4614-25
Misc : op75490,ez4614
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 17:09:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

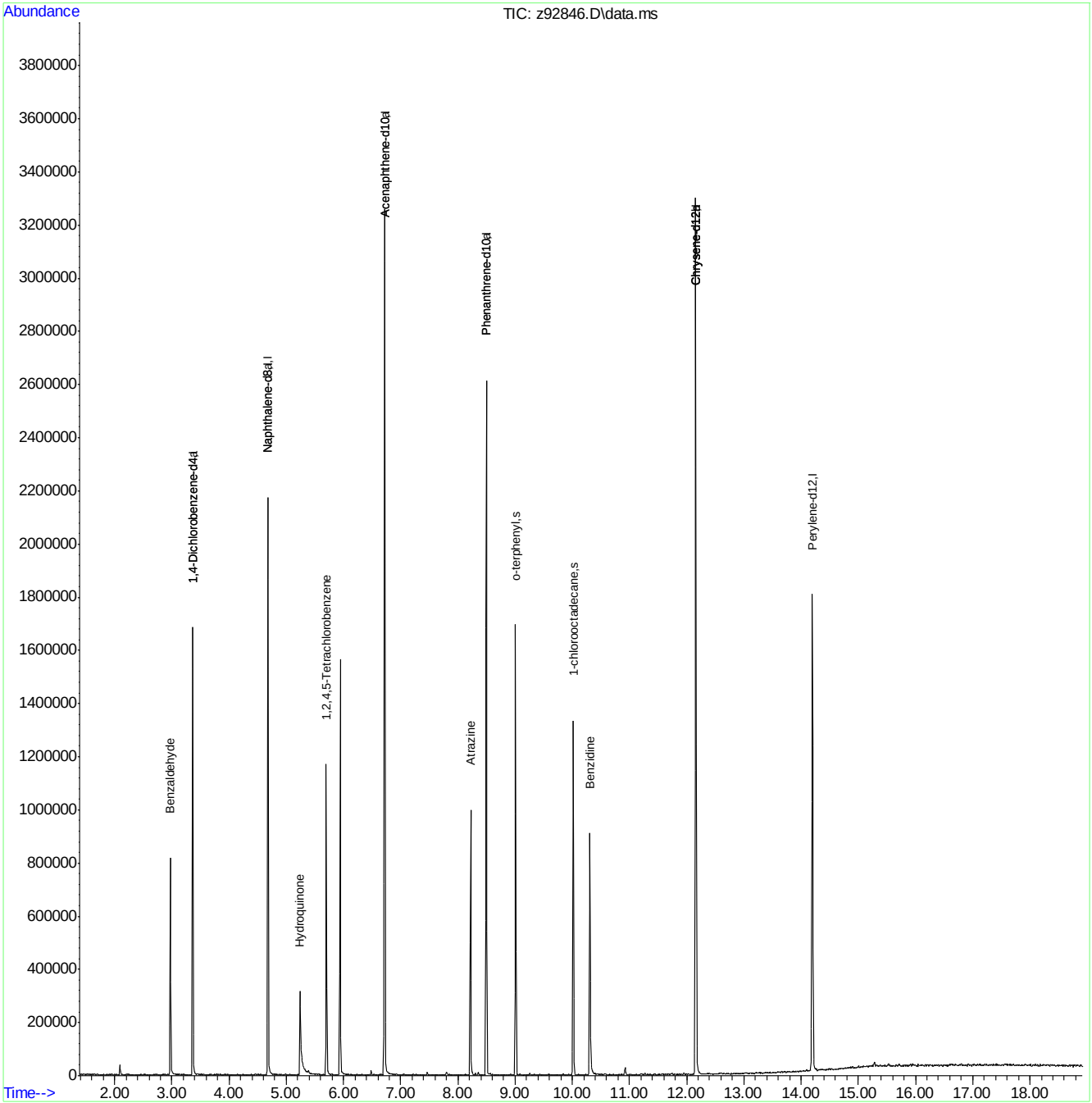
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	222560	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	903708	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	533313	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	910496	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	935341	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	773774	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	222560	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	910496	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	935341	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	533313	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	903708	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	935341	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.011	230	316105	36.00	ppb	0.00
Spiked Amount 50.000			Recovery =	72.00%		
109) 1-chlorooctadecane	10.015	57	170185	44.24	ppb	0.00
Spiked Amount 50.000			Recovery =	88.48%		
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	133578	32.80	ppb	82
105) Atrazine	8.225	215	58906	38.96	ppb #	84
108) Benzidine	10.309	184	398077	52.56	ppb	98
111) 1,2,4,5-Tetrachloroben...	5.698	216	180077	36.34	ppb	97
113) Hydroquinone	5.239	110	165718	32.20	ppb	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92846.D
Acq On : 23 Jun 2014 3:29 pm
Operator : ashleyv
Sample : ic4614-25
Misc : op75490,ez4614
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 17:09:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92847.D
Acq On : 23 Jun 2014 3:55 pm
Operator : ashleyv
Sample : ic4614-10
Misc : op75490,ez4614
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 17:10:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

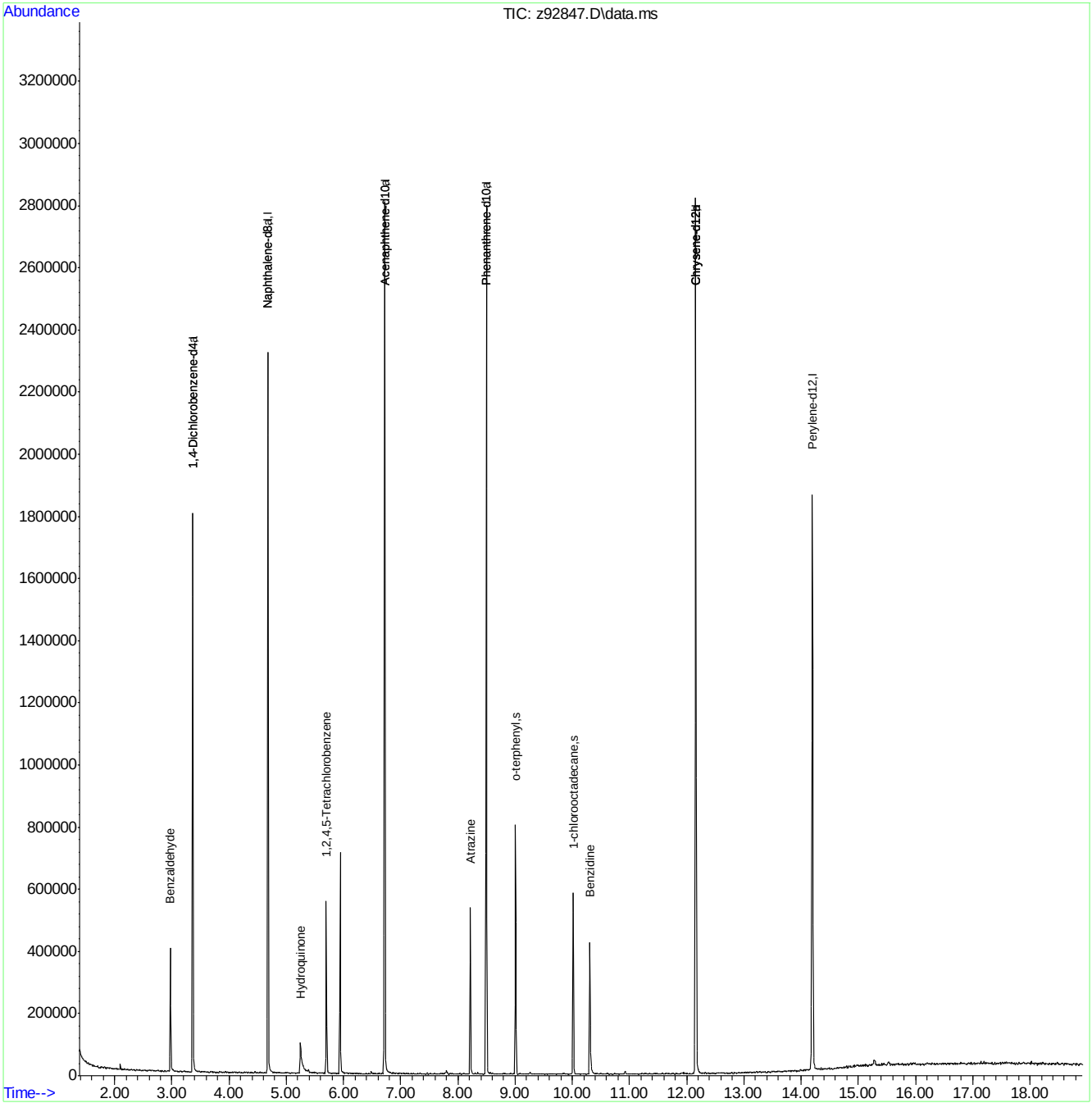
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	235169	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	948084	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	559439	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	979526	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	972726	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	812650	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	235169	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	979526	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	972726	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	559439	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	948084	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	972726	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.010	230	150010	15.88	ppb	0.00
Spiked Amount 50.000			Recovery =	31.76%		
109) 1-chlorooctadecane	10.015	57	81576	20.39	ppb	0.00
Spiked Amount 50.000			Recovery =	40.78%		
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	62081	14.43	ppb	81
105) Atrazine	8.220	215	27130	16.68	ppb #	78
108) Benzidine	10.309	184	189157	24.02	ppb	96
111) 1,2,4,5-Tetrachloroben...	5.698	216	85581	16.46	ppb	99
113) Hydroquinone	5.244	110	68997	12.78	ppb	83

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92847.D
Acq On : 23 Jun 2014 3:55 pm
Operator : ashleyv
Sample : ic4614-10
Misc : op75490,ez4614
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 17:10:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92848.D
Acq On : 23 Jun 2014 4:21 pm
Operator : ashleyv
Sample : ic4614-5
Misc : op75490,ez4614
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 17:10:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

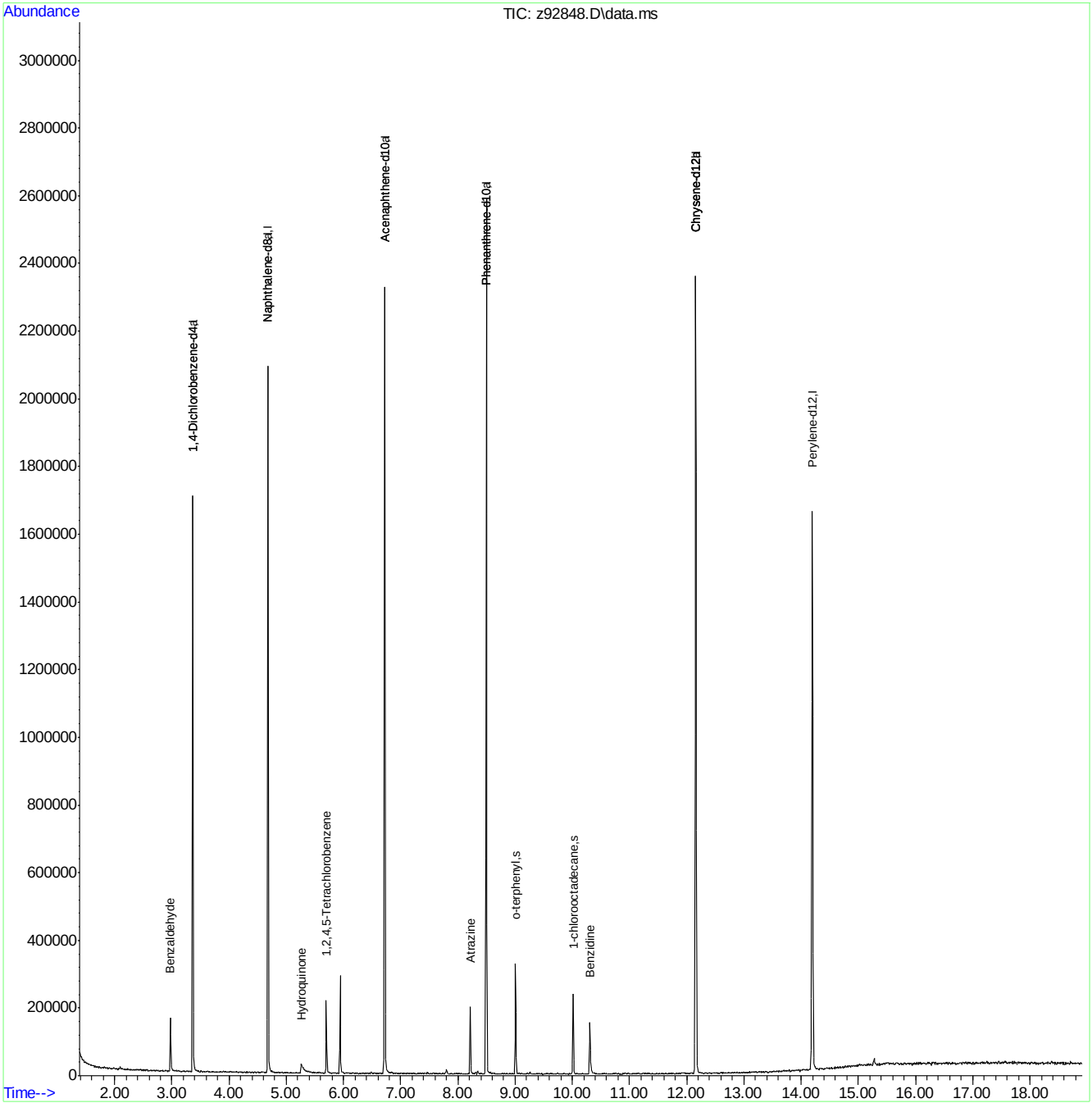
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	210398	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	865168	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	503938	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	882750	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	895634	40.00	ppb	-0.01
92) Perylene-d12	14.198	264	748241	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.364	152	210398	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	882750	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	895634	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	503938	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	865168	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	895634	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.010	230	62459	7.34	ppb	0.00
Spiked Amount 50.000			Recovery =	14.68%		
109) 1-chlorooctadecane	10.015	57	34518	9.37	ppb	0.00
Spiked Amount 50.000			Recovery =	18.74%		
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	25852	6.72	ppb	80
105) Atrazine	8.220	215	10895	7.43	ppb #	78
108) Benzidine	10.309	184	73028	10.07	ppb	97
111) 1,2,4,5-Tetrachloroben...	5.698	216	35029	7.48	ppb	89
113) Hydroquinone	5.260	110	23245	4.72	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92848.D
Acq On : 23 Jun 2014 4:21 pm
Operator : ashleyv
Sample : ic4614-5
Misc : op75490,ez4614
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 17:10:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92849.D
Acq On : 23 Jun 2014 4:46 pm
Operator : ashleyv
Sample : ic4614-2
Misc : op75490,ez4614
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 17:11:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration

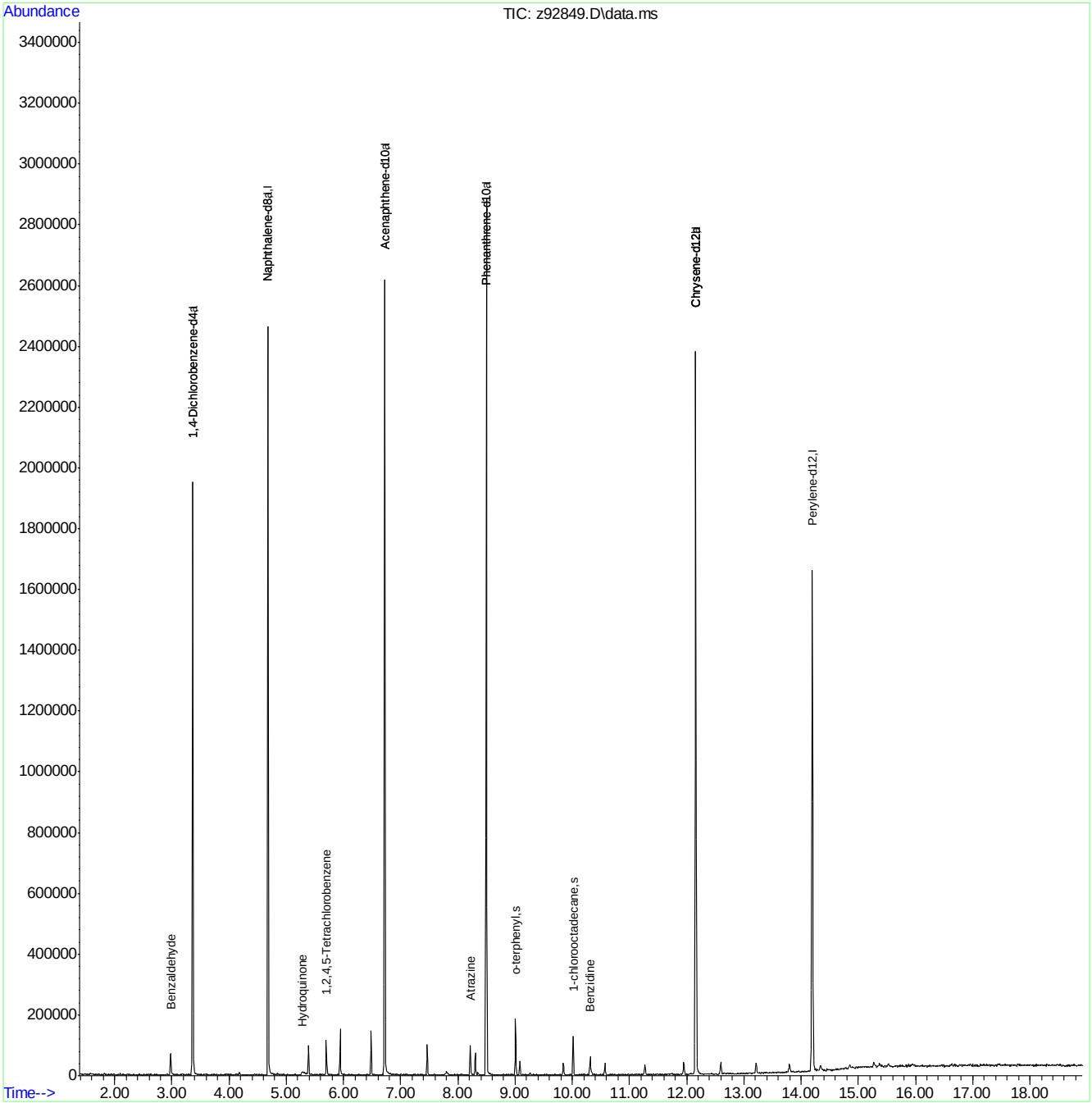
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	242617	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	990153	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	575334	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	1023609	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	963408	40.00	ppb	-0.01
92) Perylene-d12	14.192	264	740557	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.364	152	242617	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	1023609	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	963408	40.00	ppb	-0.01
110) Acenaphthene-d10a	6.724	164	575334	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	990153	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	963408	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.010	230	33678	3.41	ppb	0.00
Spiked Amount 50.000			Recovery =	6.82%		
109) 1-chlorooctadecane	10.015	57	18191	4.59	ppb	0.00
Spiked Amount 50.000			Recovery =	9.18%		
Target Compounds						Qvalue
103) Benzaldehyde	2.979	105	13191	2.97	ppb	85
105) Atrazine	8.220	215	5581	3.28	ppb #	75
108) Benzidine	10.314	184	32962	4.23	ppb	94
111) 1,2,4,5-Tetrachloroben...	5.698	216	18165	3.40	ppb	99
113) Hydroquinone	5.282	110	4828	0.86	ppb	83

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92849.D
Acq On : 23 Jun 2014 4:46 pm
Operator : ashleyv
Sample : ic4614-2
Misc : op75490,ez4614
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 17:11:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 17:04:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92850.D
Acq On : 23 Jun 2014 5:12 pm
Operator : ashleyv
Sample : ic4614-1
Misc : op75490,ez4614
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 15:44:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 18:09:26 2014
Response via : Initial Calibration

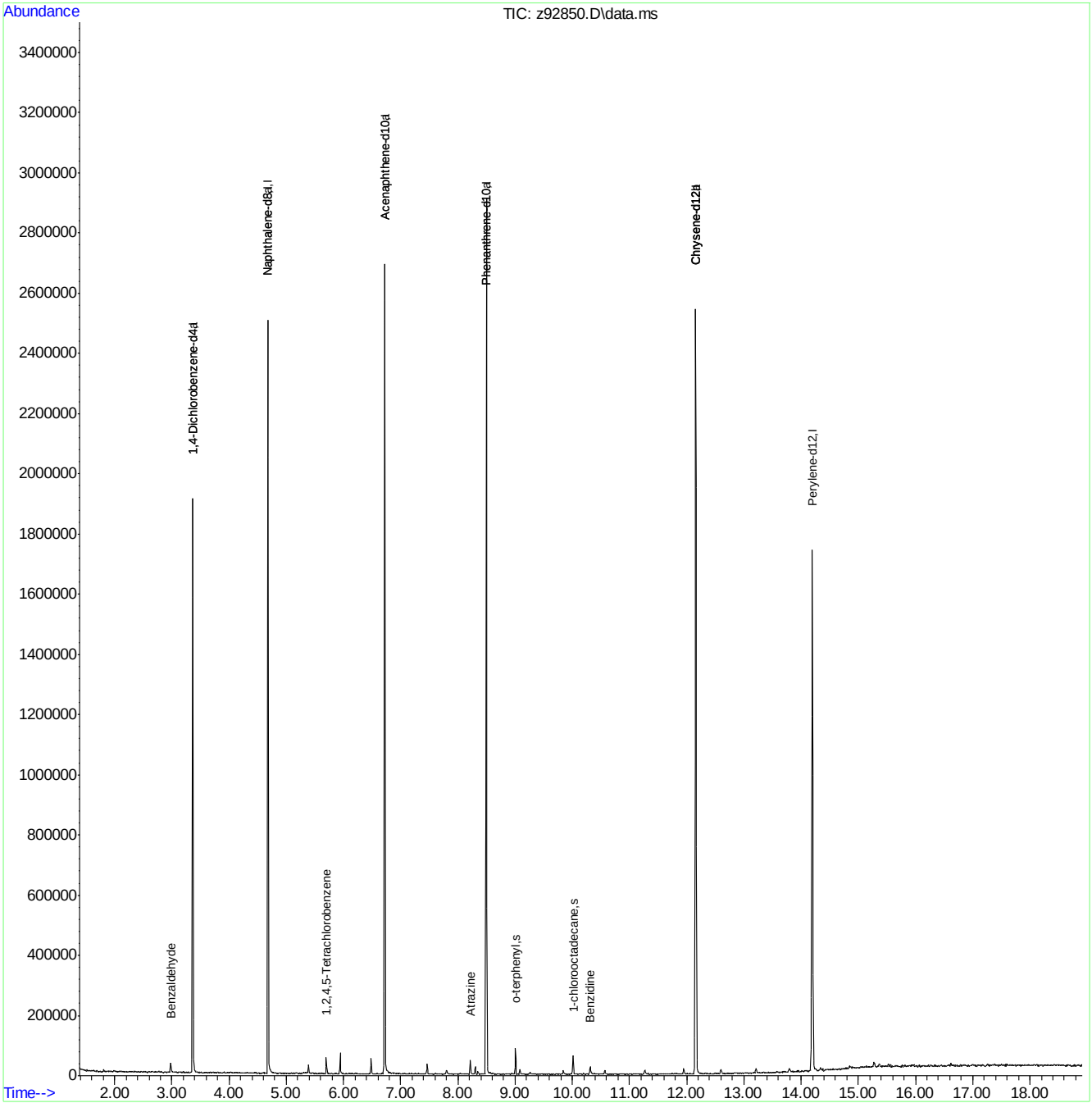
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	240997	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	996846	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	595735	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	1071660	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	1024761	40.00	ppb	0.00
92) Perylene-d12	14.198	264	783177	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.364	152	240997	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	1071660	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	1024761	40.00	ppb	0.00
110) Acenaphthene-d10a	6.724	164	595735	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	996846	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	1024761	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.011	230	15465	0.97	ppb	0.00
Spiked Amount 50.000			Recovery =	1.94%		
109) 1-chlorooctadecane	10.015	57	8840	1.07	ppb	0.00
Spiked Amount 50.000			Recovery =	2.14%		
Target Compounds						Qvalue
103) Benzaldehyde	2.979	105	6566	1.06	ppb	# 71
105) Atrazine	8.220	215	2862	1.01	ppb	87
108) Benzidine	10.314	184	15566	0.91	ppb	96
111) 1,2,4,5-Tetrachloroben...	5.704	216	8995	1.05	ppb	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92850.D
Acq On : 23 Jun 2014 5:12 pm
Operator : ashleyv
Sample : ic4614-1
Misc : op75490,ez4614
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 15:44:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4613.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 18:09:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92853.D
Acq On : 23 Jun 2014 6:30 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 09:19:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:18:58 2014
Response via : Initial Calibration

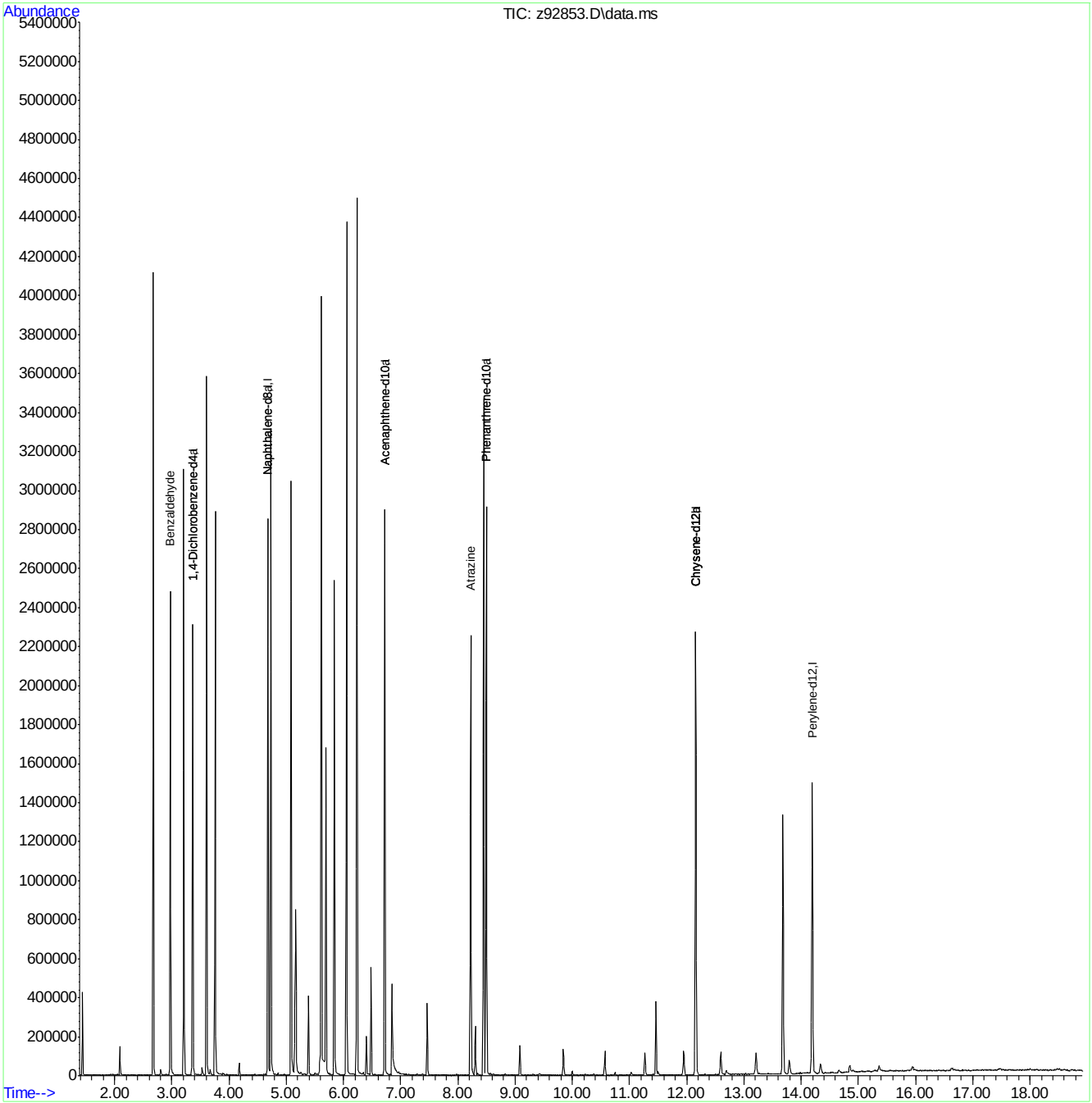
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	275203	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	1111982	40.00	ppb	0.00
47) Acenaphthene-d10	6.724	164	639297	40.00	ppb	0.00
69) Phenanthrene-d10	8.498	188	1027767	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	933122	40.00	ppb	0.00
92) Perylene-d12	14.192	264	658106	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.364	152	275203	40.00	ppb	0.00
104) Phenanthrene-d10a	8.498	188	1027767	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	933122	40.00	ppb	0.00
110) Acenaphthene-d10a	6.724	164	639297	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	1111982	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	933122	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	2.974	105	352513	49.65	ppb	82
105) Atrazine	8.230	215	134271	49.41	ppb #	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92853.D
Acq On : 23 Jun 2014 6:30 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 09:19:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:18:58 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92855.D
Acq On : 23 Jun 2014 7:21 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 09:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

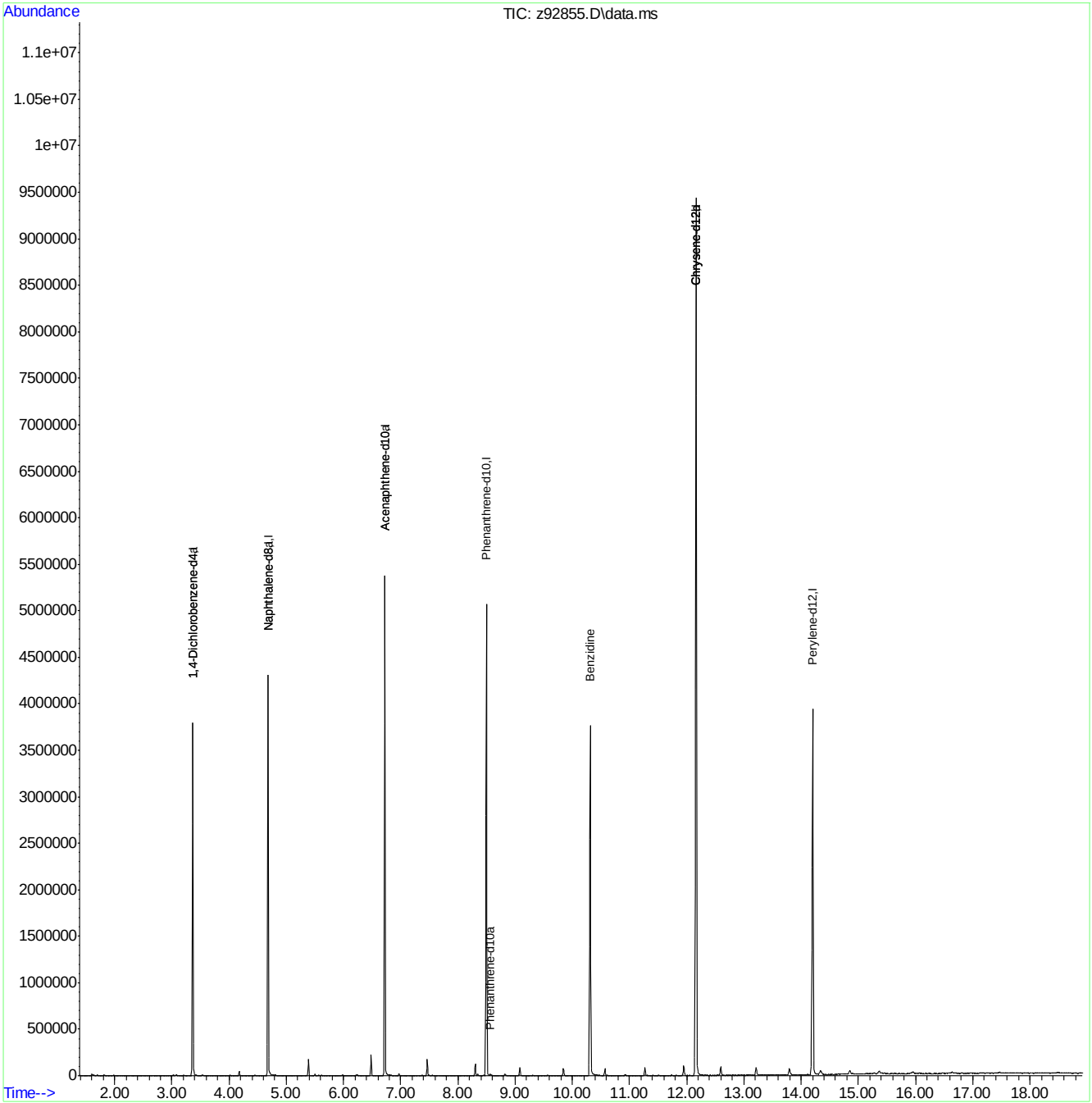
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	452836	40.00	ppb	0.03
24) Naphthalene-d8	4.683	136	1842673	40.00	ppb	0.03
47) Acenaphthene-d10	6.724	164	1089004	40.00	ppb	0.03
69) Phenanthrene-d10	8.497	188	1914752	40.00	ppb	0.03
83) Chrysene-d12	12.162	240	2159122	40.00	ppb	0.03
92) Perylene-d12	14.203	264	1727387	40.00	ppb	0.04
102) 1,4-Dichlorobenzene-d4a	3.364	152	452836	40.00	ppb	0.03
104) Phenanthrene-d10a	8.567	188	9024	40.00	ppb	0.10
107) Chrysene-d12a	12.162	240	2159122	40.00	ppb	0.03
110) Acenaphthene-d10a	6.724	164	1089004	40.00	ppb	0.03
112) Naphthalene-d8a	4.683	136	1842673	40.00	ppb	0.03
114) Chrysene-d12b	12.162	240	2159122	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	10.314	184	1672194	46.37	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92855.D
Acq On : 23 Jun 2014 7:21 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 09:16:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92856.D
Acq On : 23 Jun 2014 7:47 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 09:20:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:18:58 2014
Response via : Initial Calibration

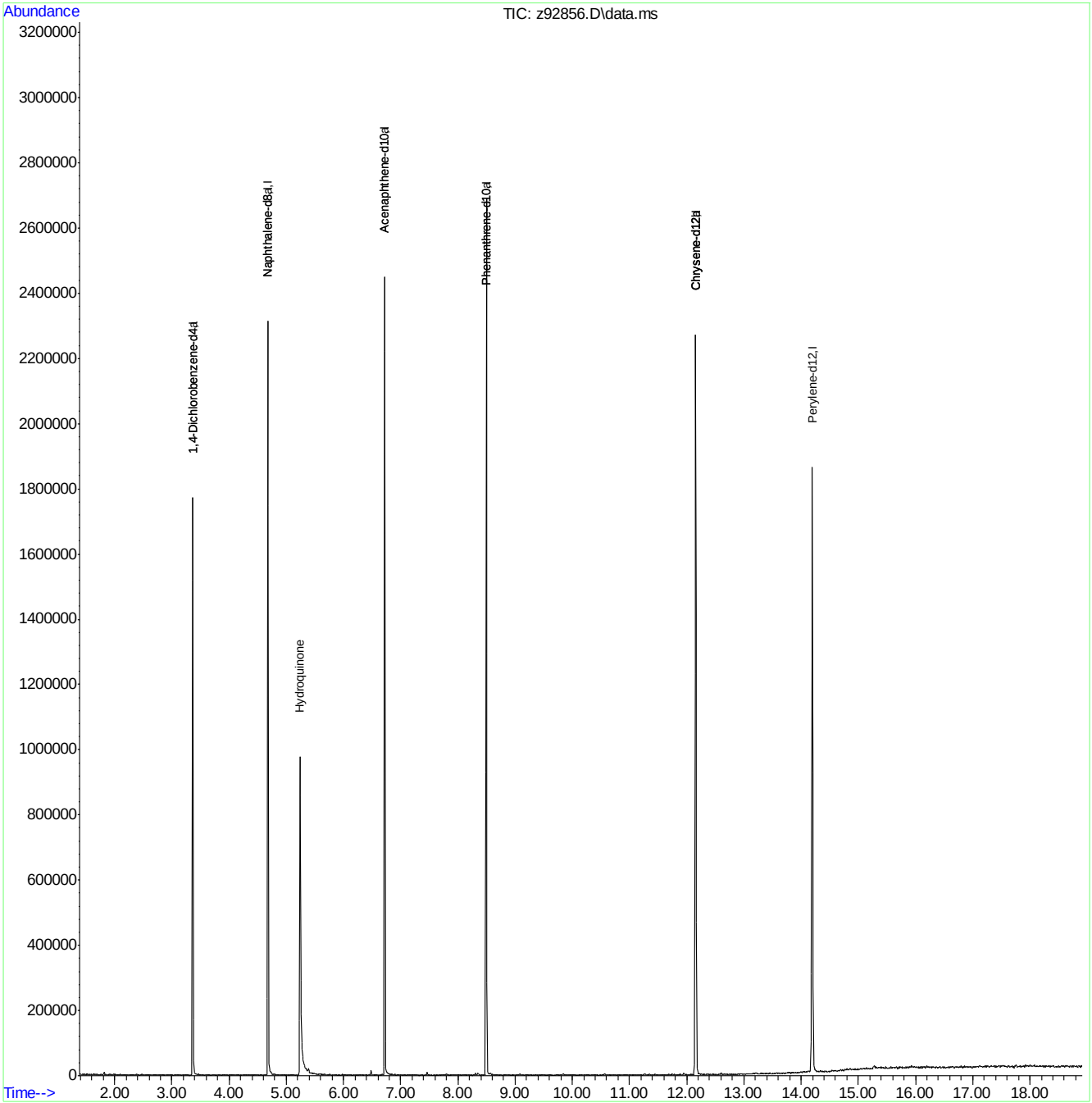
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.364	152	219471	40.00	ppb	0.00
24) Naphthalene-d8	4.678	136	892482	40.00	ppb	0.00
47) Acenaphthene-d10	6.718	164	531754	40.00	ppb	0.00
69) Phenanthrene-d10	8.497	188	932589	40.00	ppb	0.00
83) Chrysene-d12	12.157	240	945682	40.00	ppb	0.00
92) Perylene-d12	14.192	264	802611	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.364	152	219471	40.00	ppb	0.00
104) Phenanthrene-d10a	8.497	188	932589	40.00	ppb	0.00
107) Chrysene-d12a	12.157	240	945682	40.00	ppb	0.00
110) Acenaphthene-d10a	6.718	164	531754	40.00	ppb	0.00
112) Naphthalene-d8a	4.678	136	892482	40.00	ppb	0.00
114) Chrysene-d12b	12.157	240	945682	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	5.239	110	421496	65.00	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4614\
Data File : z92856.D
Acq On : 23 Jun 2014 7:47 pm
Operator : ashleyv
Sample : icv4614-50
Misc : op75490,ez4614
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 09:20:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:18:58 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : icc4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:39:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	241721	40.00	ppb	0.00
24) Naphthalene-d8	4.656	136	1007994	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	655250	40.00	ppb	0.00
69) Phenanthrene-d10	8.476	188	1105407	40.00	ppb	0.00
83) Chrysene-d12	12.136	240	1265705	40.00	ppb	0.00
92) Perylene-d12	14.171	264	882873	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	241721	40.00	ppb	0.00
104) Phenanthrene-d10a	8.476	188	1105407	40.00	ppb	0.03
107) Chrysene-d12a	12.136	240	1265705	40.00	ppb	0.04
110) Acenaphthene-d10a	6.697	164	655250	40.00	ppb	0.00
112) Naphthalene-d8a	4.656	136	1007994	40.00	ppb	0.00
114) Chrysene-d12b	12.136	240	1265705	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	2.290	112	329478	46.45	ppb	0.00
Spiked Amount 50.000			Recovery = 92.90%			
8) Phenol-d5	3.032	99	464819	46.27	ppb	0.00
Spiked Amount 50.000			Recovery = 92.54%			
25) Nitrobenzene-d5	3.893	82	472111	49.42	ppb	0.00
Spiked Amount 50.000			Recovery = 98.84%			
51) 2-Fluorobiphenyl	5.923	172	988333	47.21	ppb	0.00
Spiked Amount 50.000			Recovery = 94.42%			
73) 2,4,6-Tribromophenol	7.653	330	174150	47.76	ppb	0.00
Spiked Amount 50.000			Recovery = 95.52%			
86) Terphenyl-d14	10.629	244	1235288	51.62	ppb	0.00
Spiked Amount 50.000			Recovery = 103.24%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.408	88	77373	48.07	ppb	98
3) Pyridine	1.558	79	233883	46.32	ppb	94
4) N-Nitrosodimethylamine	1.537	74	137507	48.03	ppb	97
6) Indene	3.588	116	714425	48.67	ppb	98
7) Cumene	2.653	105	973713	47.43	ppb	99
9) Phenol	3.048	94	539312	46.50	ppb	86
10) Aniline	3.048	93	535377	48.49	ppb	98
11) bis(2-Chloroethyl)ether	3.097	93	330326	49.20	ppb	98
12) 2-Chlorophenol	3.161	128	420289	46.92	ppb	96
13) Decane	3.187	43	439845	49.07	ppb	99
14) 1,3-Dichlorobenzene	3.289	146	487009	48.71	ppb	99
15) 1,4-Dichlorobenzene	3.358	146	502413	48.99	ppb	99
16) Benzyl alcohol	3.486	108	294536	47.68	ppb	97
17) 1,2-Dichlorobenzene	3.503	146	471740	48.00	ppb	99
18) Acetophenone	3.743	105	640263	49.13	ppb	95
19) 2-Methylphenol	3.615	108	378444	48.31	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.609	121	131903	47.75	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : icc4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:39:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21) 3&4-Methylphenol	3.775	108	408338	49.05	ppb		96
22) n-Nitroso-di-n-propyla...	3.743	70	316764	49.58	ppb		98
23) Hexachloroethane	3.834	201	174046	48.36	ppb		95
26) Nitrobenzene	3.914	77	486809	48.01	ppb		99
27) Quinoline	5.073	129	923274	49.16	ppb		99
28) Isophorone	4.165	82	827407	50.38	ppb		98
29) 2-Nitrophenol	4.250	139	259784	47.35	ppb		93
30) 2,4-Dimethylphenol	4.331	107	442865	46.30	ppb		98
31) Benzoic Acid	4.512	105	387047m	50.87	ppb		
32) bis(2-Chloroethoxy)met...	4.416	93	435221	49.58	ppb		99
33) 2,4-Dichlorophenol	4.528	162	380185	47.49	ppb		97
34) 2,6-Dichlorophenol	4.774	162	383708	46.41	ppb		99
35) 1,3,5-Trichlorobenzene	4.261	180	466966	47.33	ppb		99
36) 1,2,4-Trichlorobenzene	4.603	180	433069	47.87	ppb		98
37) 1,2,3-Trichlorobenzene	4.849	180	440863	47.03	ppb		97
38) Naphthalene	4.683	128	1332601	47.93	ppb		100
39) 4-Chloroaniline	4.769	127	573989	48.51	ppb		98
40) 2,3-Dichloroaniline	5.821	161	498461	48.32	ppb		98
41) Caprolactam	5.180	55	215315	58.75	ppb		96
42) Hexachlorobutadiene	4.838	225	271366	47.39	ppb		97
43) 4-Chloro-3-methylphenol	5.378	107	434200	50.41	ppb	#	60
44) 2-Methylnaphthalene	5.474	141	801378	47.67	ppb		98
45) 1-Methylnaphthalene	5.586	141	805767	47.41	ppb		97
46) Dimethylnaphthalene	6.216	156	868131	47.81	ppb		98
49) 2,4,6-Trichlorophenol	5.837	196	292730	47.38	ppb		99
50) 2,4,5-Trichlorophenol	5.891	196	323343	49.04	ppb		99
52) 2-Chloronaphthalene	6.045	162	928401	46.83	ppb		98
53) Biphenyl	6.035	154	1217814	45.64	ppb		99
54) 2-Nitroaniline	6.200	65	320992	48.02	ppb		94
55) Dimethylphthalate	6.430	163	1029534	49.70	ppb		99
56) Acenaphthylene	6.526	152	1465114	47.81	ppb		99
57) 2,6-Dinitrotoluene	6.494	165	231116	50.13	ppb		98
58) 3-Nitroaniline	6.692	138	288844	58.70	ppb		96
59) Acenaphthene	6.740	153	911330	48.53	ppb		98
61) 4-Nitrophenol	6.975	109	201482	48.55	ppb		94
62) Dibenzofuran	6.948	168	1315320	48.52	ppb		100
63) 2,4-Dinitrotoluene	6.980	165	348434	60.78	ppb		95
64) 2,3,4,6-Tetrachlorophenol	7.125	232	275967	48.99	ppb		93
65) Diethylphthalate	7.279	149	1164447	56.44	ppb		99
66) Fluorene	7.354	166	1089872	48.08	ppb		100
67) 4-Chlorophenyl-phenyle...	7.376	204	490140	47.07	ppb		99
68) 4-Nitroaniline	7.434	138	282162	63.34	ppb		99
70) 4,6-Dinitro-2-methylph...	7.472	198	204597	52.25	ppb		97
71) n-Nitrosodiphenylamine	7.531	169	713113	48.94	ppb		100
72) 1,2-Diphenylhydrazine	7.568	77	1126995	46.91	ppb		97
74) 4-Bromophenyl-phenylether	7.958	248	308866	46.16	ppb		97
75) Hexachlorobenzene	8.022	284	369922	48.92	ppb		94
76) Pentachlorophenol	8.284	266	438337	93.38	ppb		98
77) Phenanthrene	8.503	178	1589028	48.46	ppb		100
78) Anthracene	8.567	178	1583303	48.40	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : icc4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:39:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration

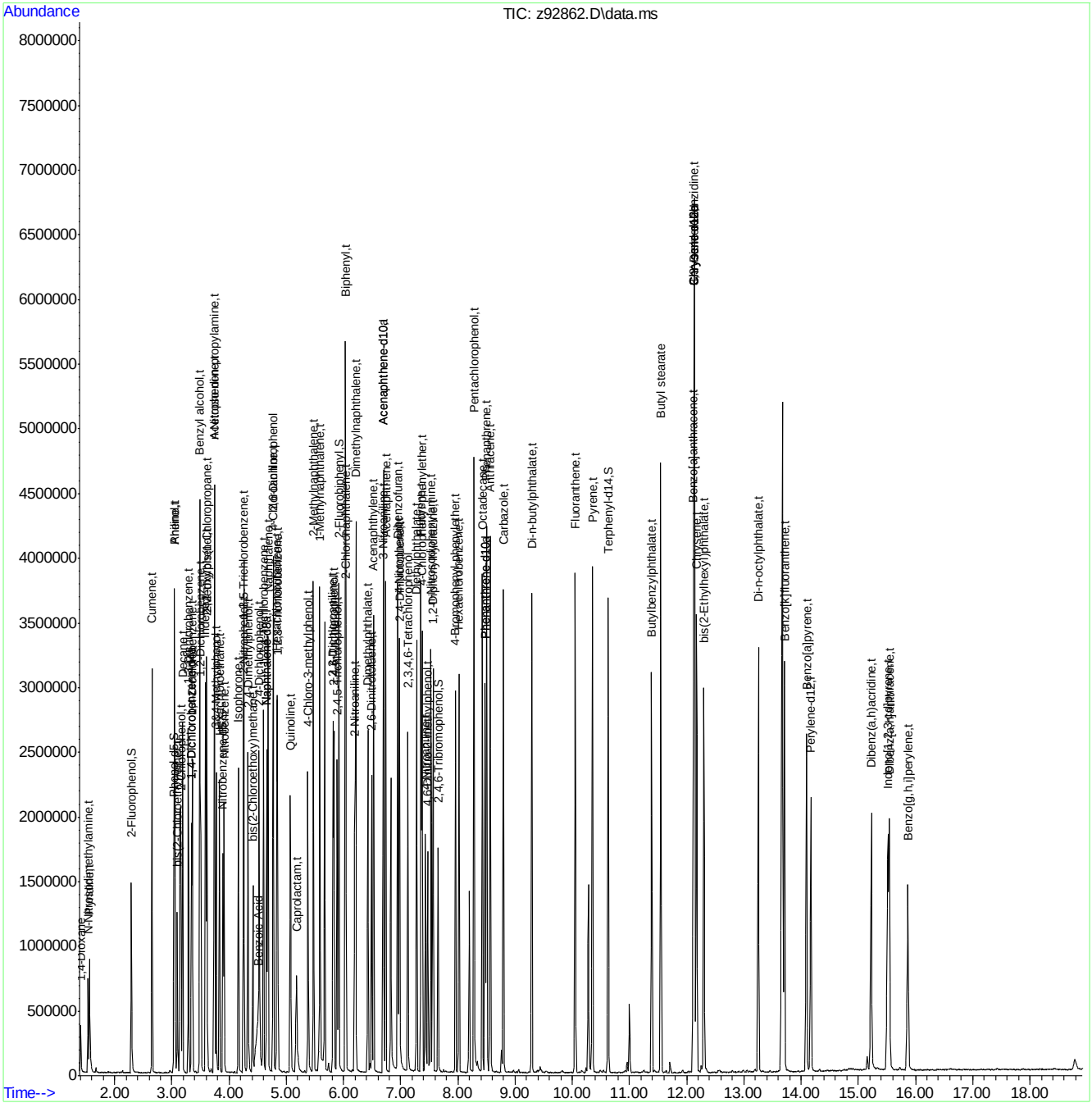
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	8.797	167	1490533	51.78	ppb	99
80) Di-n-butylphthalate	9.294	149	1997646	48.39	ppb	99
81) Fluoranthene	10.052	202	1753963	49.51	ppb	97
82) Octadecane	8.428	57	671235	43.16	ppb	96
84) Pyrene	10.357	202	1823909	52.04	ppb	98
85) Butyl stearate	11.548	56	668248	46.20	ppb	95
87) Butylbenzylphthalate	11.393	149	897102	46.41	ppb	95
88) Benzo[a]anthracene	12.120	228	1667663	45.01	ppb	100
89) 3,3'-Dichlorobenzidine	12.136	252	690572	50.30	ppb	99
90) Chrysene	12.173	228	1414388	51.11	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.301	149	1093827	46.78	ppb	99
93) Di-n-octylphthalate	13.252	149	1961684	40.05	ppb	98
95) Benzo[k]fluoranthene	13.712	252	1359553	44.38	ppb	98
96) Benzo[a]pyrene	14.096	252	1268503	44.25	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.517	276	1306456	42.91	ppb	100
98) Dibenz(a,h)acridine	15.229	279	1017326	41.86	ppb	99
99) Dibenz[a,h]anthracene	15.544	278	1032449	42.47	ppb	98
101) Benzo[g,h,i]perylene	15.870	276	962907	43.69	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : icc4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:39:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration



Manual Integration Approval Summary

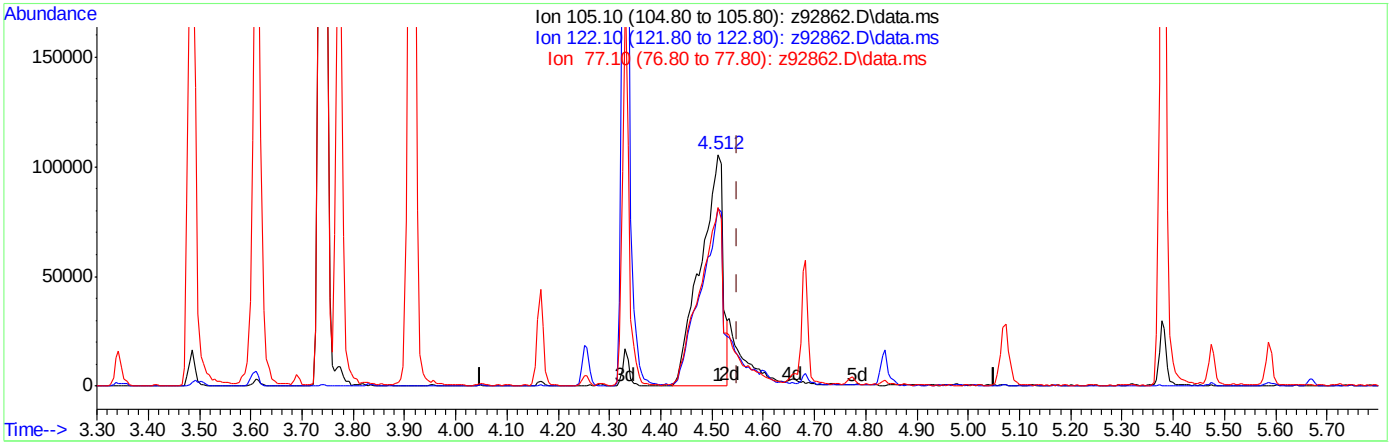
Sample Number:	EZ4615-ICC4615	**Method:**	SW846 8270D
Lab FileID:	Z92862.D	**Analyst approved:**	06/25/14 16:18 Ashley Royal
Injection Time:	06/24/14 11:35	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

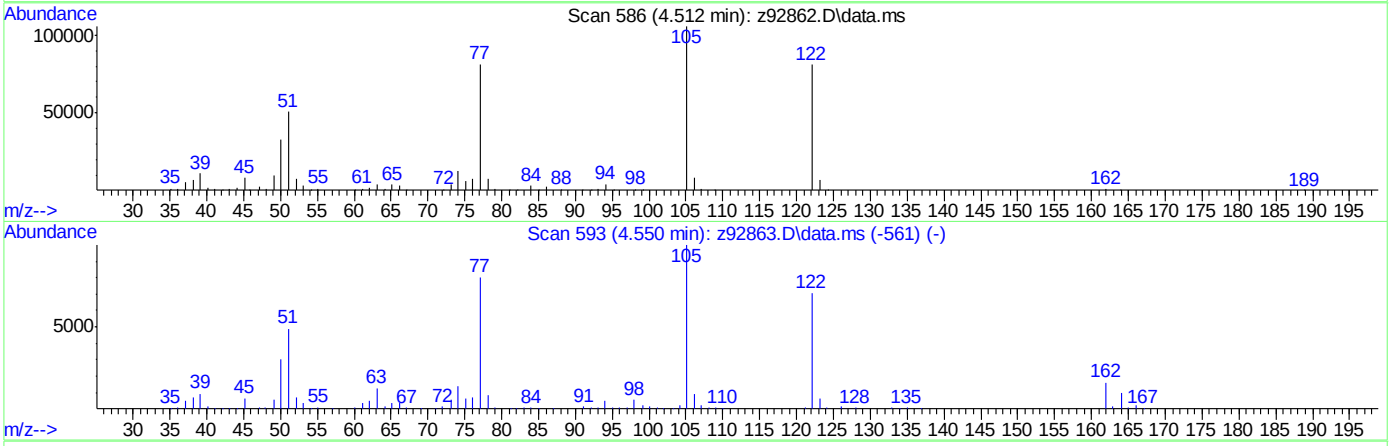
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : ic4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 12:29:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration





TIC: z92862.D\data.ms

(31) Benzoic Acid

4.512min (-0.038) 42.06ppb

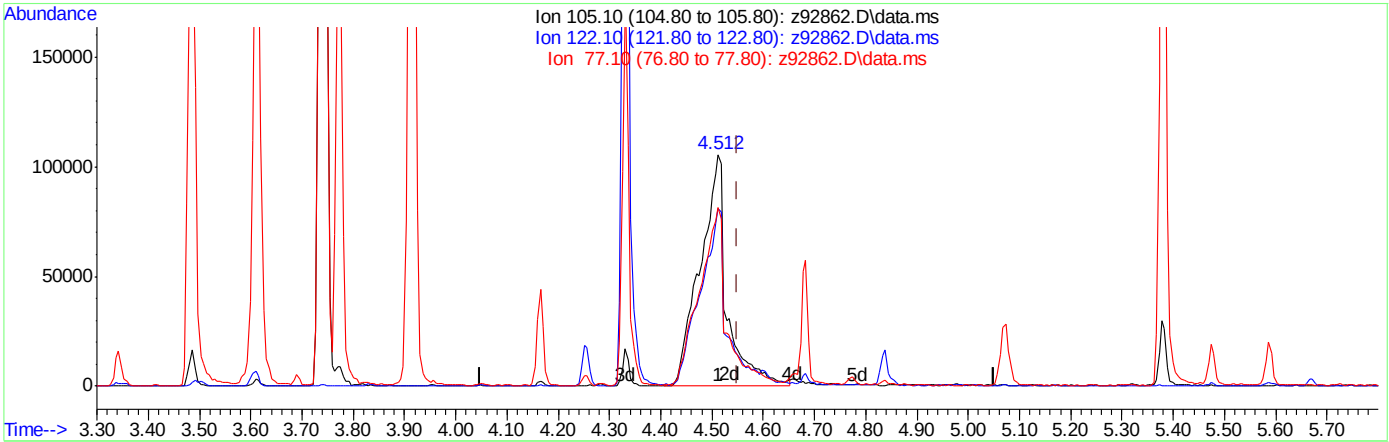
response 320043

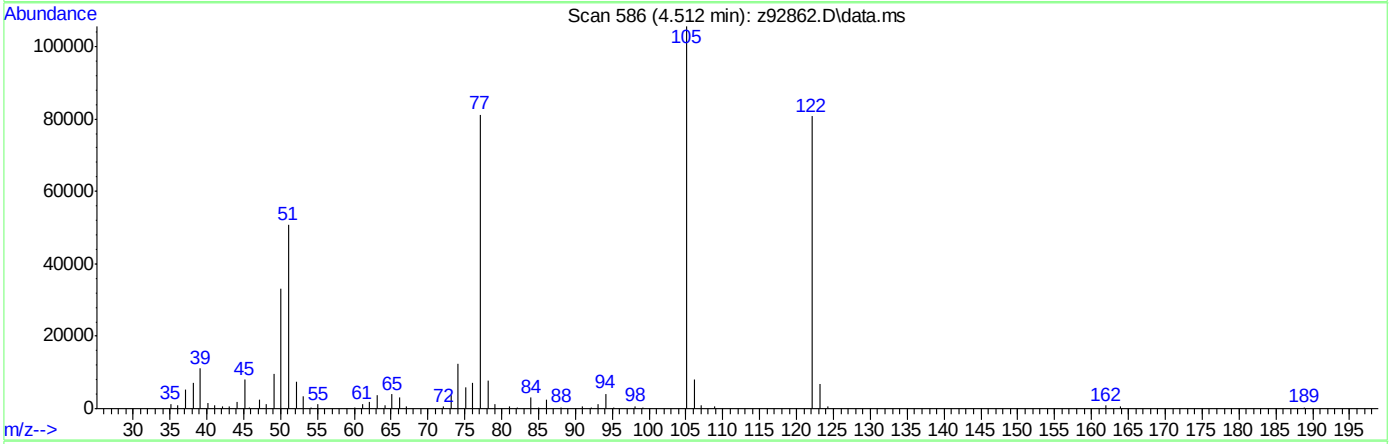
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	76.53
77.10	35.20	78.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92862.D
Acq On : 24 Jun 2014 11:35 am
Operator : ashleyv
Sample : ic4615-50
Misc : op75490,ez4615
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 16:39:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:28:09 2014
Response via : Initial Calibration





TIC: z92862.D\data.ms

(31) Benzoic Acid

4.512min (-0.038) 50.87ppb m

response 387047

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	63.29
77.10	35.20	64.72#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.342	152	222288	40.00	ppb		0.00
24) Naphthalene-d8	4.657	136	906476	40.00	ppb		0.00
47) Acenaphthene-d10	6.697	164	582369	40.00	ppb		0.00
69) Phenanthrene-d10	8.476	188	838950	40.00	ppb		0.00
83) Chrysene-d12	12.136	240	1010367	40.00	ppb		0.00
92) Perylene-d12	14.166	264	579836	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	222288	40.00	ppb		0.00
104) Phenanthrene-d10a	8.450	188	111680	40.00	ppb		0.00
107) Chrysene-d12a	12.098	240	94071	40.00	ppb		0.00
110) Acenaphthene-d10a	6.697	164	582369	40.00	ppb		0.00
112) Naphthalene-d8a	4.657	136	906476	40.00	ppb		0.00
114) Chrysene-d12b	12.098	240	94071	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.295	112	652248	118.44	ppb		0.00
Spiked Amount 50.000			Recovery = 236.88%				
8) Phenol-d5	3.038	99	923904	115.84	ppb		0.00
Spiked Amount 50.000			Recovery = 231.68%				
25) Nitrobenzene-d5	3.898	82	859059	108.70	ppb		0.00
Spiked Amount 50.000			Recovery = 217.40%				
51) 2-Fluorobiphenyl	5.923	172	1860487	106.78	ppb		0.00
Spiked Amount 50.000			Recovery = 213.56%				
73) 2,4,6-Tribromophenol	7.654	330	276756	115.11	ppb		0.00
Spiked Amount 50.000			Recovery = 230.22%				
86) Terphenyl-d14	10.635	244	1910308	97.71	ppb		0.00
Spiked Amount 50.000			Recovery = 195.42%				
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.409	88	148025	141.26	ppb		93
3) Pyridine	1.563	79	464360	161.90	ppb		89
4) N-Nitrosodimethylamine	1.542	74	263304	164.42	ppb		76
6) Indene	3.588	116	1349977	107.42	ppb		96
7) Cumene	2.653	105	1888002	110.57	ppb		99
9) Phenol	3.054	94	1066466	117.70	ppb		90
10) Aniline	3.049	93	1015390	103.77	ppb		73
11) bis(2-Chloroethyl)ether	3.102	93	617401	104.48	ppb		96
12) 2-Chlorophenol	3.161	128	823675	109.40	ppb		99
13) Decane	3.187	43	824382	111.67	ppb		88
14) 1,3-Dichlorobenzene	3.289	146	919411	106.34	ppb		97
15) 1,4-Dichlorobenzene	3.358	146	943113	105.32	ppb		99
16) Benzyl alcohol	3.492	108	568071	118.81	ppb		91
17) 1,2-Dichlorobenzene	3.508	146	903810	107.01	ppb		99
18) Acetophenone	3.743	105	1198356	109.79	ppb		95
19) 2-Methylphenol	3.615	108	720364	110.25	ppb		99
20) 2,2'-oxybis(1-Chloropr...	3.610	121	254018	108.90	ppb	#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21)	3&4-Methylphenol	3.780	108	765615	110.39	ppb		98
22)	n-Nitroso-di-n-propyla...	3.748	70	587539	110.97	ppb		87
23)	Hexachloroethane	3.834	201	330958	103.69	ppb		92
26)	Nitrobenzene	3.919	77	911923	110.68	ppb		96
27)	Quinoline	5.079	129	1689092	108.55	ppb		98
28)	Isophorone	4.170	82	1476934	108.41	ppb		94
29)	2-Nitrophenol	4.256	139	493412	110.20	ppb		91
30)	2,4-Dimethylphenol	4.336	107	860195	117.92	ppb		95
31)	Benzoic Acid	4.550	105	684243m	126.97	ppb		
32)	bis(2-Chloroethoxy)met...	4.416	93	789370	105.45	ppb		99
33)	2,4-Dichlorophenol	4.534	162	719973	112.68	ppb		99
34)	2,6-Dichlorophenol	4.779	162	743438	114.08	ppb		100
35)	1,3,5-Trichlorobenzene	4.261	180	887215	110.24	ppb		97
36)	1,2,4-Trichlorobenzene	4.603	180	813504	106.11	ppb		95
37)	1,2,3-Trichlorobenzene	4.854	180	843076	109.50	ppb		99
38)	Naphthalene	4.683	128	2500186	107.33	ppb		99
39)	4-Chloroaniline	4.774	127	1064158	108.93	ppb		95
40)	2,3-Dichloroaniline	5.821	161	927784	110.76	ppb		97
41)	Caprolactam	5.207	55	329587	94.94	ppb		89
42)	Hexachlorobutadiene	4.838	225	514906	109.78	ppb		98
43)	4-Chloro-3-methylphenol	5.383	107	774643	112.92	ppb		86
44)	2-Methylnaphthalene	5.479	141	1511767	111.60	ppb		97
45)	1-Methylnaphthalene	5.591	141	1528250	110.55	ppb		97
46)	Dimethylnaphthalene	6.217	156	1633024	114.00	ppb		95
48)	Hexachlorocyclopentadiene	5.672	237	1026279	202.17	ppb		100
49)	2,4,6-Trichlorophenol	5.843	196	549075	108.57	ppb		99
50)	2,4,5-Trichlorophenol	5.896	196	586066	109.33	ppb		99
52)	2-Chloronaphthalene	6.046	162	1762039	109.44	ppb		96
53)	Biphenyl	6.035	154	2371411	111.67	ppb		99
54)	2-Nitroaniline	6.200	65	594123	117.00	ppb		89
55)	Dimethylphthalate	6.436	163	1841195	102.73	ppb		100
56)	Acenaphthylene	6.532	152	2723791	105.26	ppb		99
57)	2,6-Dinitrotoluene	6.500	165	409761	104.47	ppb		89
58)	3-Nitroaniline	6.697	138	437341	94.04	ppb		88
59)	Acenaphthene	6.740	153	1669030	105.93	ppb		99
60)	2,4-Dinitrophenol	6.836	184	508422	185.61	ppb		90
61)	4-Nitrophenol	6.980	109	368854	142.92	ppb	#	82
62)	Dibenzofuran	6.954	168	2409324	107.64	ppb		95
63)	2,4-Dinitrotoluene	6.986	165	509490	92.33	ppb		92
64)	2,3,4,6-Tetrachlorophenol	7.130	232	500682	114.38	ppb		96
65)	Diethylphthalate	7.285	149	1833520	96.63	ppb		100
66)	Fluorene	7.360	166	2014787	111.02	ppb		98
67)	4-Chlorophenyl-phenyle...	7.376	204	925424	109.84	ppb		91
68)	4-Nitroaniline	7.440	138	395900	88.05	ppb		83
70)	4,6-Dinitro-2-methylph...	7.477	198	297184m	106.06	ppb		
71)	n-Nitrosodiphenylamine	7.536	169	1105902	110.85	ppb		99
72)	1,2-Diphenylhydrazine	7.568	77	1823262	124.08	ppb		96
74)	4-Bromophenyl-phenylether	7.958	248	507814	117.77	ppb		91
75)	Hexachlorobenzene	8.028	284	573886	110.69	ppb		96
76)	Pentachlorophenol	8.289	266	712488	253.22	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration

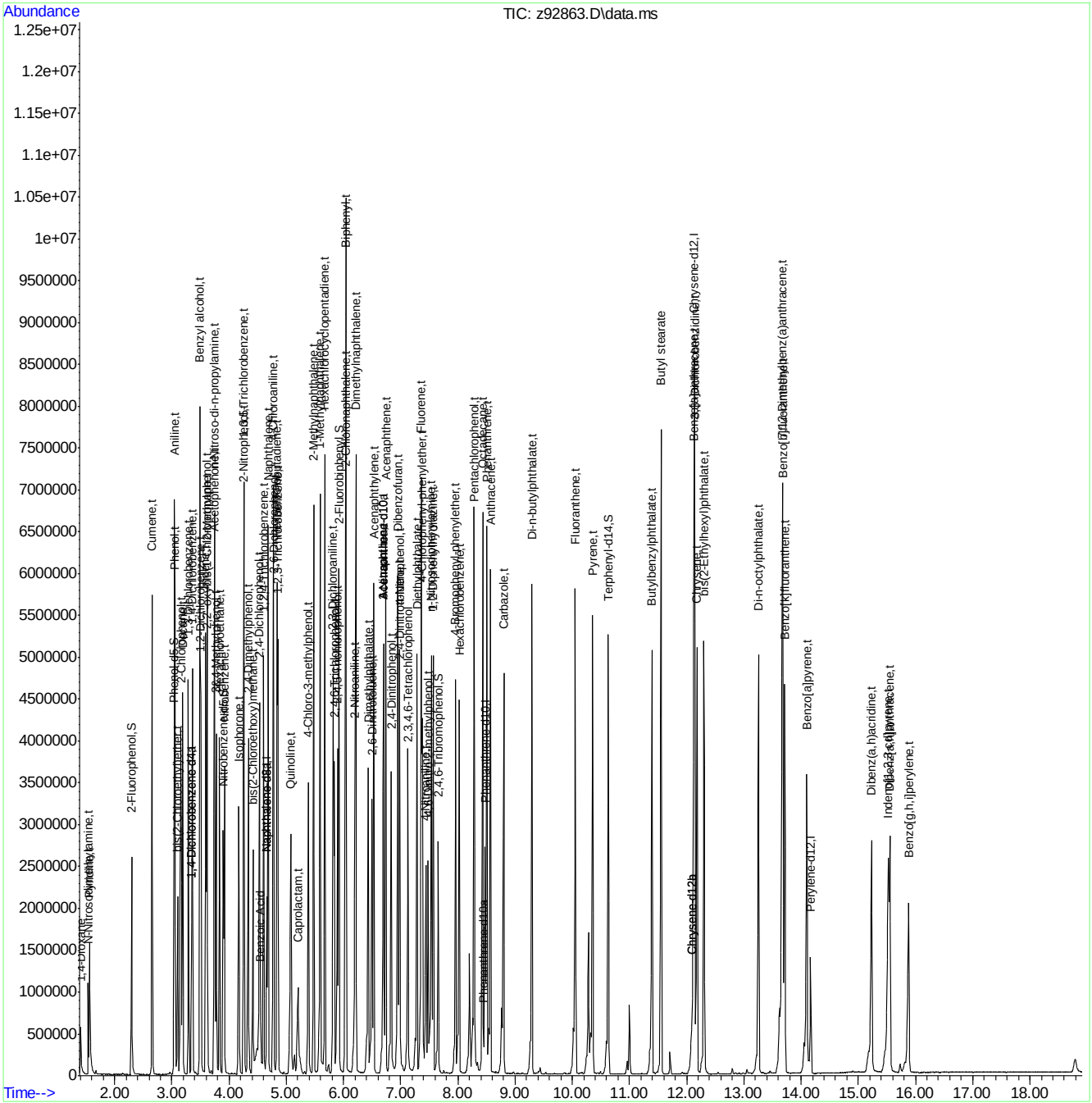
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Phenanthrene	8.508	178	2488645	109.38	ppb	100
78) Anthracene	8.572	178	2482607	109.07	ppb	100
79) Carbazole	8.802	167	2184700	103.69	ppb	99
80) Di-n-butylphthalate	9.294	149	3132819	117.91	ppb	99
81) Fluoranthene	10.052	202	2688492	111.15	ppb	99
82) Octadecane	8.434	57	1180285	131.44	ppb	95
84) Pyrene	10.362	202	2797673	96.16	ppb	94
85) Butyl stearate	11.553	56	1154751	112.03	ppb	99
87) Butylbenzylphthalate	11.393	149	1543175	112.89	ppb	93
88) Benzo[a]anthracene	12.125	228	2957838	109.02	ppb	99
89) 3,3'-Dichlorobenzidine	12.141	252	1096028m	104.60	ppb	
90) Chrysene	12.178	228	2209182	93.95	ppb	100
91) bis(2-Ethylhexyl)phtha...	12.301	149	1866468	102.63	ppb	98
93) Di-n-octylphthalate	13.258	149	3216991	146.64	ppb	98
94) Benzo[b]fluoranthene	13.680	252	2880727	153.56	ppb	100
95) Benzo[k]fluoranthene	13.717	252	2011859	118.91	ppb	99
96) Benzo[a]pyrene	14.102	252	1882572	118.78	ppb	100
97) Indeno[1,2,3-cd]pyrene	15.523	276	1999531	150.76	ppb	97
98) Dibenz(a,h)acridine	15.234	279	1596168	152.23	ppb	100
99) Dibenz[a,h]anthracene	15.555	278	1596773	149.89	ppb	99
100) 7,12-Dimethylbenz(a)an...	13.674	256	1175224	141.25	ppb	99
101) Benzo[g,h,i]perylene	15.881	276	1447406	150.22	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration



Manual Integration Approval Summary

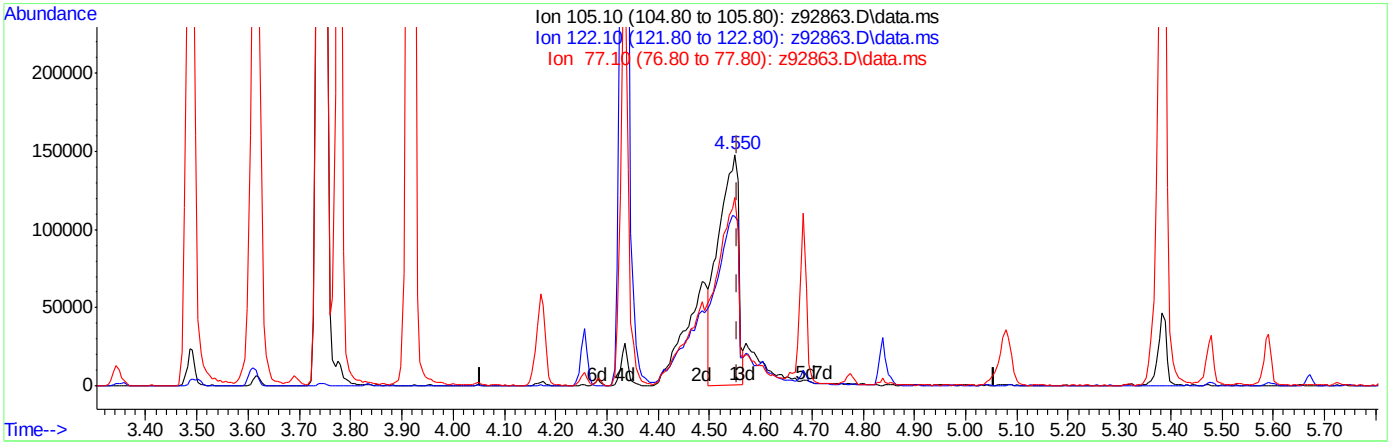
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92863.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 12:01	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

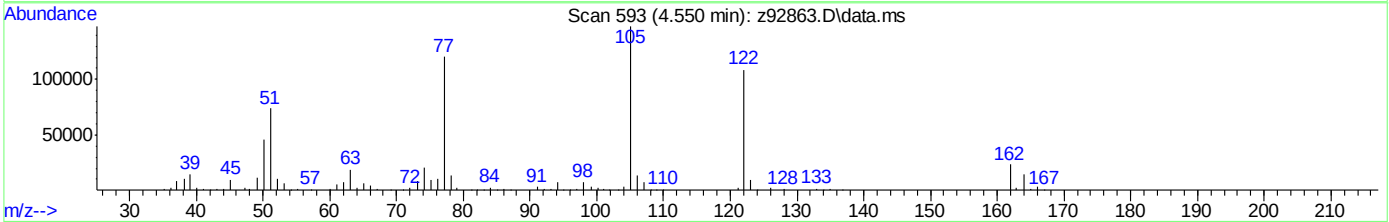
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.55	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.48	Poor instrument integration
3,3'-Dichlorobenzidine	91-94-1		12.14	Poor instrument integration

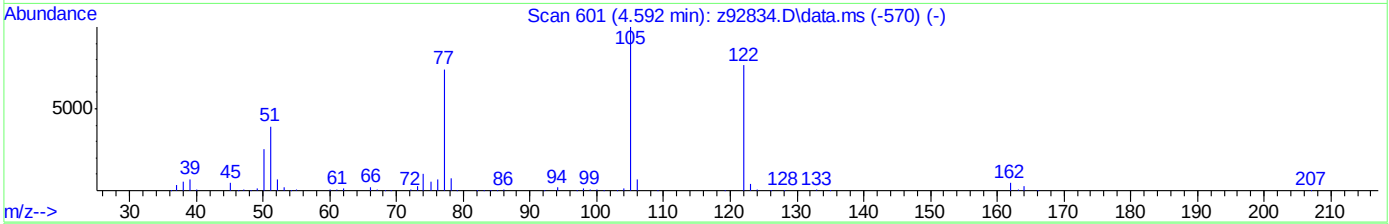
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:20:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 18:09:26 2014
Response via : Initial Calibration







TIC: z92863.D\data.ms

(31) Benzoic Acid

4.550min (-0.005) 75.17ppb

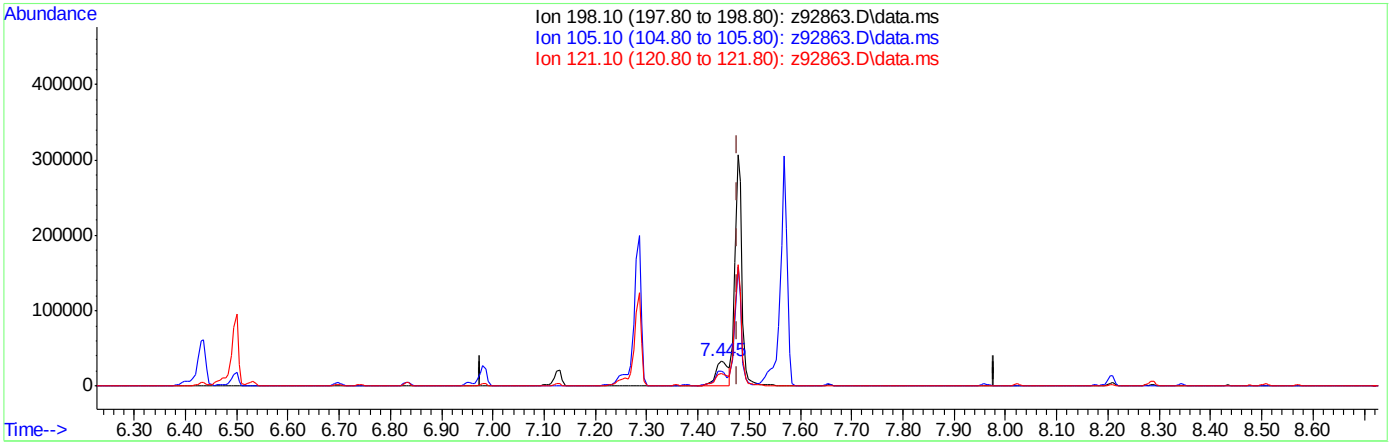
response 405061

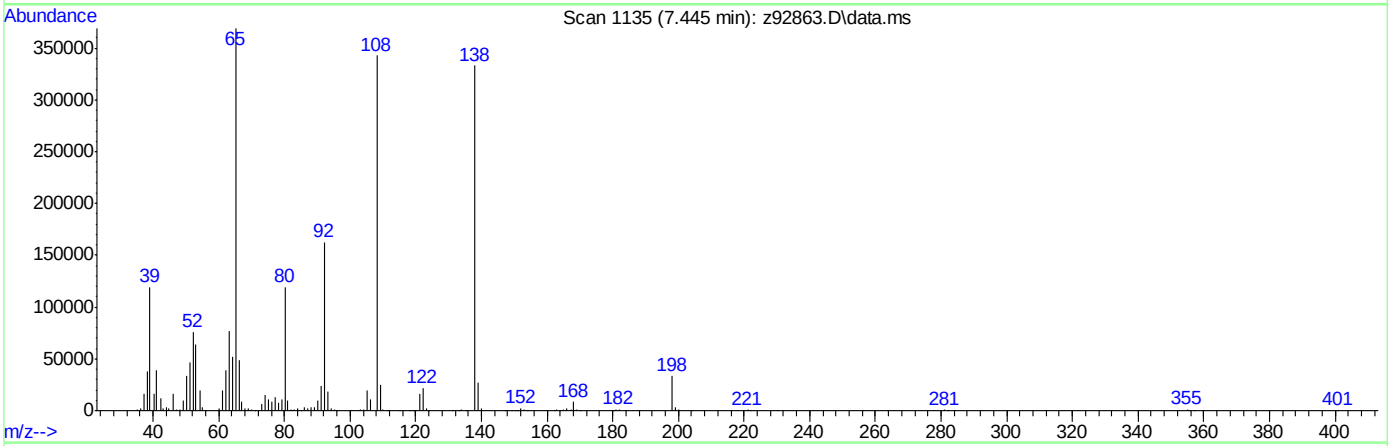
Ion	Exp%	Act%
105.10	100	100
122.10	50.80	116.50#
77.10	48.30	59.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:25:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration





TIC: z92863.D\data.ms

(70) 4,6-Dinitro-2-methylphenol (t)

7.445min (-0.032) 20.23ppb

response 56681

Ion	Exp%	Act%
198.10	100	100
105.10	42.10	60.09
121.10	42.20	46.49
0.00	0.00	0.00

9.6.194.3

9

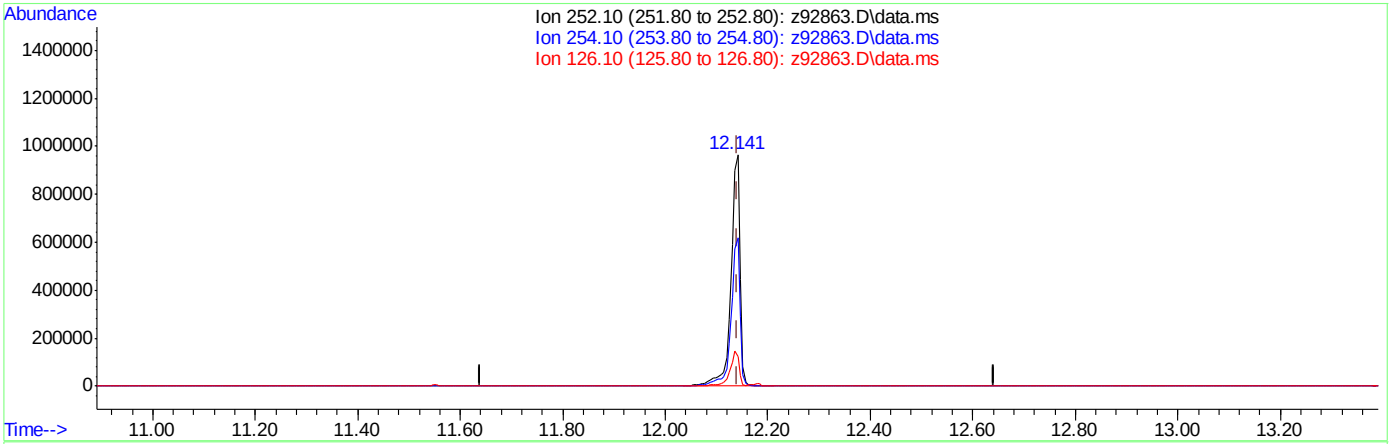
ACCUTEST LABORATORIES JB69123

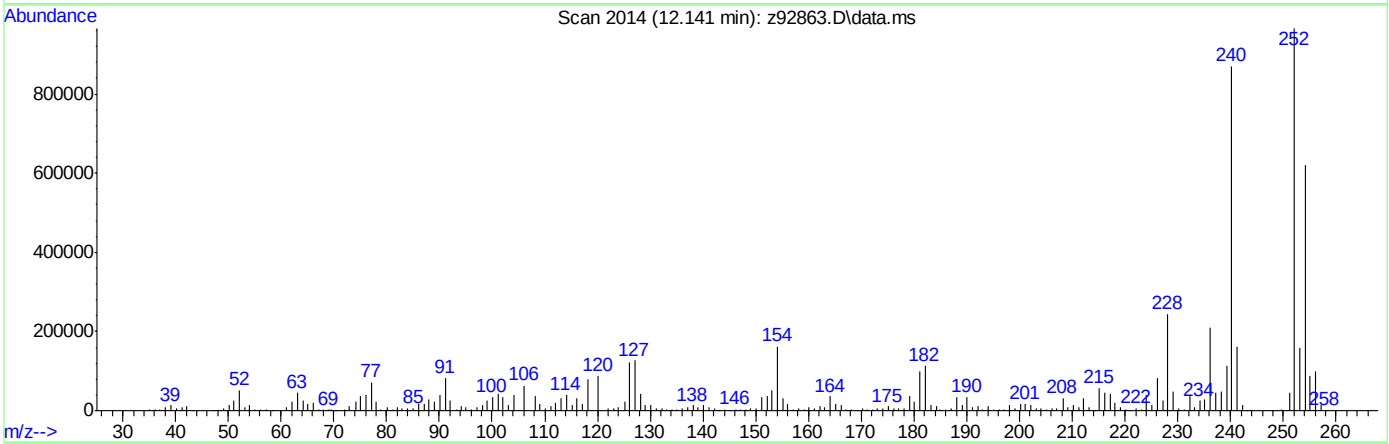
Z92863.D edits: 4,6-Dinitro-2-methylphenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:25:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration





TIC: z92863.D\data.ms

(89) 3,3'-Dichlorobenzidine (t)

12.141min (0.000) 113.90ppb

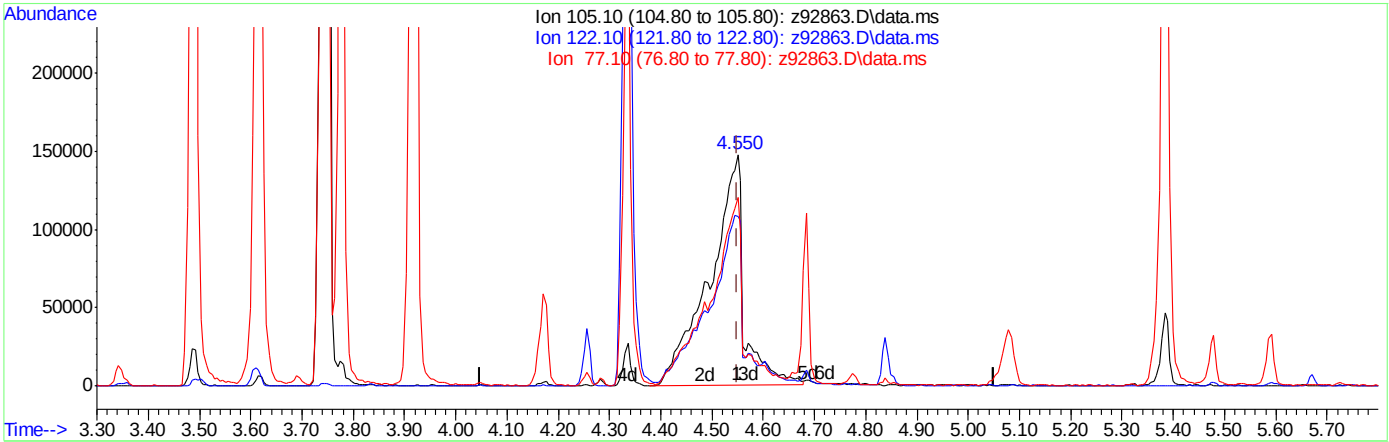
response 1193531

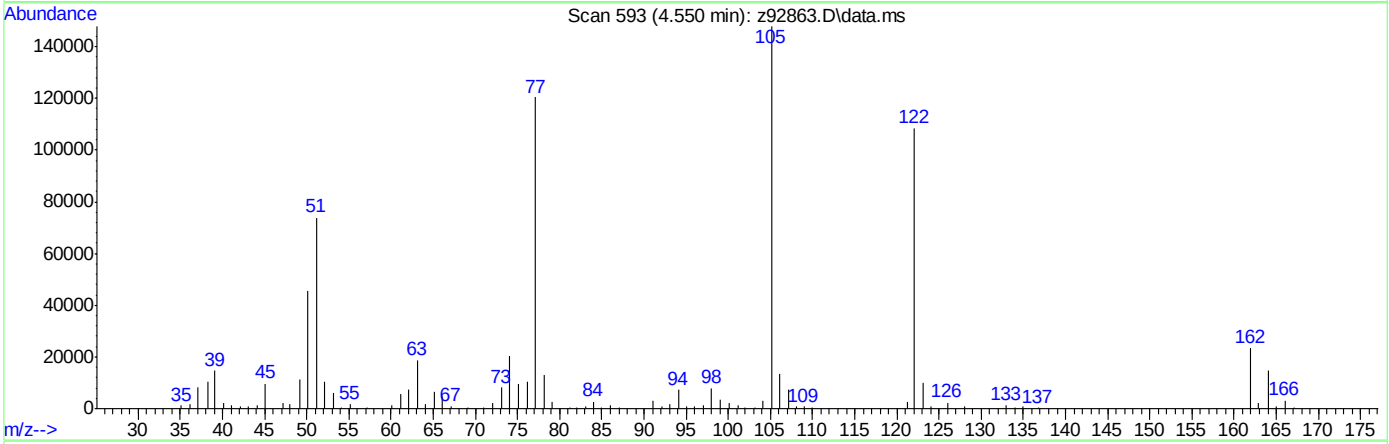
Ion	Exp%	Act%
252.10	100	100
254.10	62.10	64.14
126.10	12.20	12.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration





TIC: z92863.D\data.ms

(31) Benzoic Acid

4.550min (0.000) 126.97ppb m

response 684243

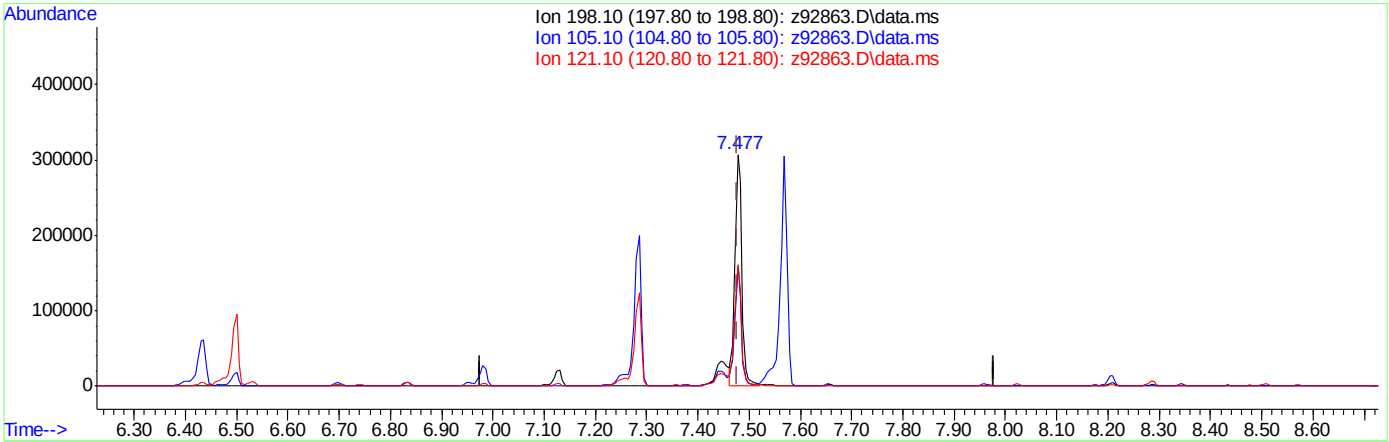
Ion	Exp%	Act%
105.10	100	100
122.10	50.80	68.97
77.10	48.30	35.17
0.00	0.00	0.00

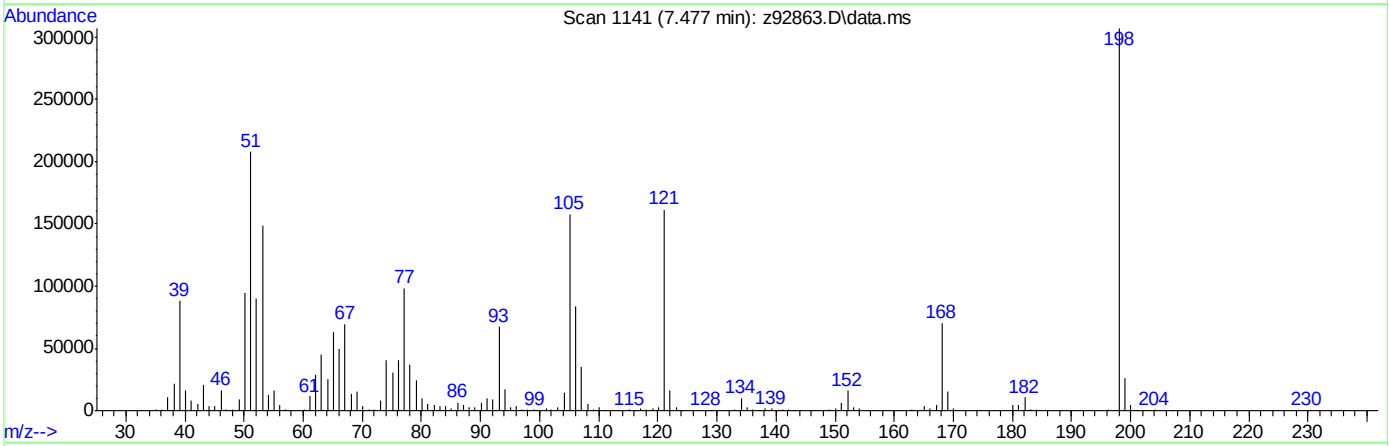
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration





TIC: z92863.D\data.ms

(70) 4,6-Dinitro-2-methylphenol (t)

7.477min (0.000) 106.06ppb m

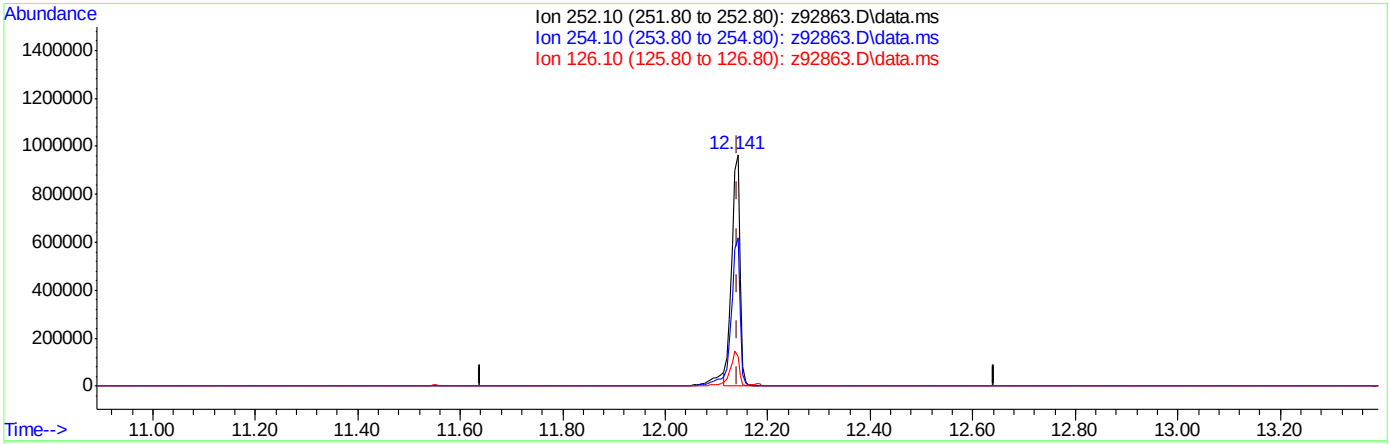
response 297184

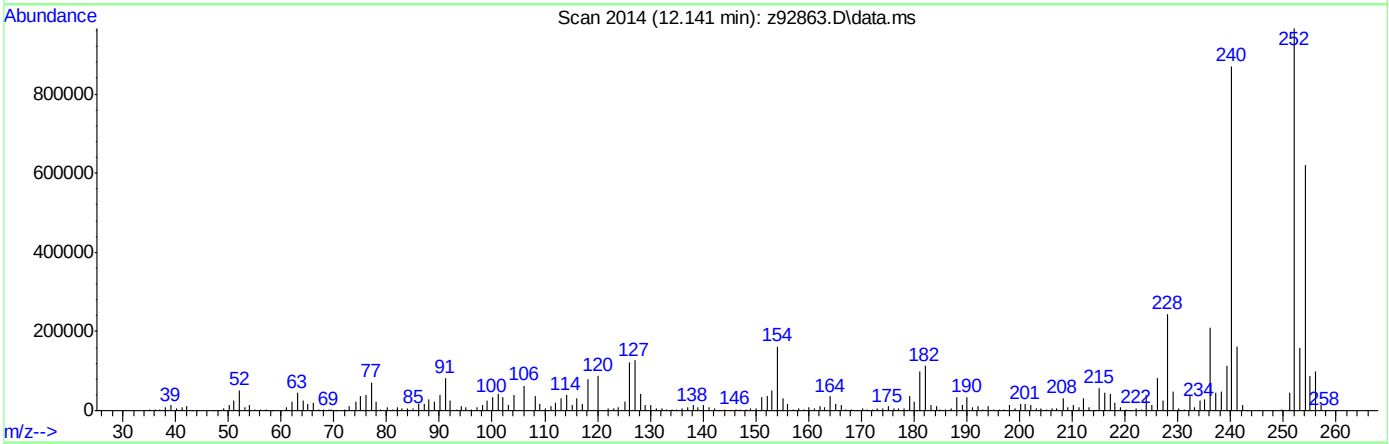
Ion	Exp%	Act%
198.10	100	100
105.10	42.10	51.45
121.10	42.20	52.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92863.D
Acq On : 24 Jun 2014 12:01 pm
Operator : ashleyv
Sample : ic4615-100
Misc : op75490,ez4615
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 12:27:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:24:36 2014
Response via : Initial Calibration





TIC: z92863.D\data.ms

(89) 3,3'-Dichlorobenzidine (t)

12.141min (0.000) 104.60ppb m

response 1096028

Ion	Exp%	Act%
252.10	100	100
254.10	62.10	64.17
126.10	12.20	12.73
0.00	0.00	0.00

Z92863.D edits: 3,3'-Dichlorobenzidine

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 12:46:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.337	152	219306	40.00	ppb	0.00
24) Naphthalene-d8	4.656	136	900529	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	582110	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	1050716	40.00	ppb	0.00
83) Chrysene-d12	12.125	240	1091198	40.00	ppb	0.00
92) Perylene-d12	14.166	264	955731	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	219306	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	1050716	40.00	ppb	0.00
107) Chrysene-d12a	12.125	240	1091198	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	582110	40.00	ppb	0.00
112) Naphthalene-d8a	4.656	136	900529	40.00	ppb	0.00
114) Chrysene-d12b	12.125	240	1091198	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.295	112	4625	0.83	ppb	0.00
Spiked Amount 50.000			Recovery =	1.66%		
8) Phenol-d5	3.038	99	6452	0.82	ppb	0.00
Spiked Amount 50.000			Recovery =	1.64%		
25) Nitrobenzene-d5	3.893	82	8042	0.98	ppb	0.00
Spiked Amount 50.000			Recovery =	1.96%		
51) 2-Fluorobiphenyl	5.917	172	15747	0.92	ppb	0.00
Spiked Amount 50.000			Recovery =	1.84%		
73) 2,4,6-Tribromophenol	7.653	330	2466	0.84	ppb	0.00
Spiked Amount 50.000			Recovery =	1.68%		
86) Terphenyl-d14	10.624	244	21466	1.03	ppb	0.00
Spiked Amount 50.000			Recovery =	2.06%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.414	88	1288	0.90	ppb	# 9
3) Pyridine	1.579	79	4238	0.93	ppb	84
4) N-Nitrosodimethylamine	1.547	74	2265	0.86	ppb	85
6) Indene	3.588	116	11404	0.91	ppb	98
7) Cumene	2.653	105	16344	0.95	ppb	97
9) Phenol	3.048	94	8277	0.90	ppb	# 59
10) Aniline	3.048	93	9558	0.99	ppb	88
11) bis(2-Chloroethyl)ether	3.097	93	5759	0.97	ppb	80
12) 2-Chlorophenol	3.161	128	6640	0.90	ppb	88
13) Decane	3.187	43	8519	1.03	ppb	97
14) 1,3-Dichlorobenzene	3.289	146	7703	0.91	ppb	91
15) 1,4-Dichlorobenzene	3.353	146	8773	1.00	ppb	90
16) Benzyl alcohol	3.487	108	4222	0.86	ppb	96
17) 1,2-Dichlorobenzene	3.503	146	7719	0.93	ppb	90
18) Acetophenone	3.738	105	9386	0.85	ppb	93
19) 2-Methylphenol	3.615	108	5958	0.91	ppb	92
20) 2,2'-oxybis(1-Chloropr...	3.604	121	2607	1.07	ppb	# 67

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 12:46:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21)	3&4-Methylphenol	3.775	108	6135	0.89	ppb		78
22)	n-Nitroso-di-n-propyla...	3.738	70	5196	0.93	ppb		96
23)	Hexachloroethane	3.834	201	3390	1.08	ppb	#	68
26)	Nitrobenzene	3.914	77	8909	1.03	ppb		87
27)	Quinoline	5.068	129	14638	0.92	ppb		90
28)	Isophorone	4.160	82	13394	0.94	ppb		93
29)	2-Nitrophenol	4.256	139	3543	0.83	ppb	#	59
30)	2,4-Dimethylphenol	4.331	107	6764	0.90	ppb		89
32)	bis(2-Chloroethoxy)met...	4.411	93	6546	0.87	ppb		97
33)	2,4-Dichlorophenol	4.534	162	5670	0.88	ppb		99
34)	2,6-Dichlorophenol	4.774	162	5908	0.91	ppb		96
35)	1,3,5-Trichlorobenzene	4.256	180	7169	0.91	ppb		97
36)	1,2,4-Trichlorobenzene	4.603	180	6912	0.93	ppb		95
37)	1,2,3-Trichlorobenzene	4.849	180	6341	0.85	ppb		77
38)	Naphthalene	4.678	128	22597	0.97	ppb		97
39)	4-Chloroaniline	4.769	127	8582	0.87	ppb		86
40)	2,3-Dichloroaniline	5.821	161	7994	0.93	ppb		82
41)	Caprolactam	5.132	55	4399	1.11	ppb		92
42)	Hexachlorobutadiene	4.833	225	4391	0.92	ppb		84
43)	4-Chloro-3-methylphenol	5.378	107	6181	0.84	ppb	#	58
44)	2-Methylnaphthalene	5.474	141	12856	0.92	ppb		91
45)	1-Methylnaphthalene	5.586	141	13275	0.94	ppb		97
46)	Dimethylnaphthalene	6.211	156	13281	0.89	ppb		97
48)	Hexachlorocyclopentadiene	5.672	237	1010	7.74	ppb		91
49)	2,4,6-Trichlorophenol	5.837	196	4122	0.85	ppb		99
50)	2,4,5-Trichlorophenol	5.896	196	4650	0.87	ppb		90
52)	2-Chloronaphthalene	6.040	162	13925	0.88	ppb		87
53)	Biphenyl	6.029	154	19188	0.92	ppb		95
54)	2-Nitroaniline	6.195	65	4863	0.87	ppb		95
55)	Dimethylphthalate	6.419	163	17569	0.97	ppb		92
56)	Acenaphthylene	6.526	152	23412	0.92	ppb		96
57)	2,6-Dinitrotoluene	6.489	165	3711	0.95	ppb		76
58)	3-Nitroaniline	6.692	138	4526	0.97	ppb	#	1
59)	Acenaphthene	6.735	153	15653	0.99	ppb		95
61)	4-Nitrophenol	7.012	109	3051m	0.92	ppb		
62)	Dibenzofuran	6.943	168	20336	0.91	ppb		96
63)	2,4-Dinitrotoluene	6.980	165	4952	0.90	ppb		73
64)	2,3,4,6-Tetrachlorophenol	7.125	232	4236	0.94	ppb		84
65)	Diethylphthalate	7.269	149	17474	0.89	ppb		98
66)	Fluorene	7.354	166	16483	0.90	ppb		91
67)	4-Chlorophenyl-phenyle...	7.370	204	7940	0.96	ppb		93
68)	4-Nitroaniline	7.424	138	4510	0.99	ppb		93
71)	n-Nitrosodiphenylamine	7.525	169	11852	0.93	ppb		96
72)	1,2-Diphenylhydrazine	7.557	77	16950	0.84	ppb		97
74)	4-Bromophenyl-phenylether	7.953	248	4629	0.86	ppb		90
75)	Hexachlorobenzene	8.017	284	6217	0.93	ppb		83
76)	Pentachlorophenol	8.284	266	4211	6.64	ppb		93
77)	Phenanthrene	8.498	178	28682	1.00	ppb		96
78)	Anthracene	8.562	178	28054	0.98	ppb		97
79)	Carbazole	8.791	167	27440	1.03	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 12:46:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.288	149	31931	0.91	ppb	98
81) Fluoranthene	10.047	202	28883	0.92	ppb	96
82) Octadecane	8.428	57	10826	0.89	ppb	89
84) Pyrene	10.351	202	31857	1.03	ppb	95
85) Butyl stearate	11.543	56	9759	0.84	ppb	98
87) Butylbenzylphthalate	11.382	149	14169	0.93	ppb	92
88) Benzo[a]anthracene	12.114	228	32412	1.10	ppb	93
89) 3,3'-Dichlorobenzidine	12.130	252	11022	0.97	ppb	82
90) Chrysene	12.162	228	26576	1.07	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.291	149	18277	0.96	ppb	93
93) Di-n-octylphthalate	13.241	149	29896	0.77	ppb	94
94) Benzo[b]fluoranthene	13.653	252	26213	0.85	ppb	95
95) Benzo[k]fluoranthene	13.690	252	23373	0.84	ppb	98
96) Benzo[a]pyrene	14.086	252	22361	0.87	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.501	276	21978	0.81	ppb	91
98) Dibenz(a,h)acridine	15.218	279	16553	0.80	ppb	95
99) Dibenz[a,h]anthracene	15.533	278	17589	0.82	ppb	92
100) 7,12-Dimethylbenz(a)an...	13.647	256	11059	5.67	ppb	92
101) Benzo[g,h,i]perylene	15.854	276	18416	0.88	ppb	97

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

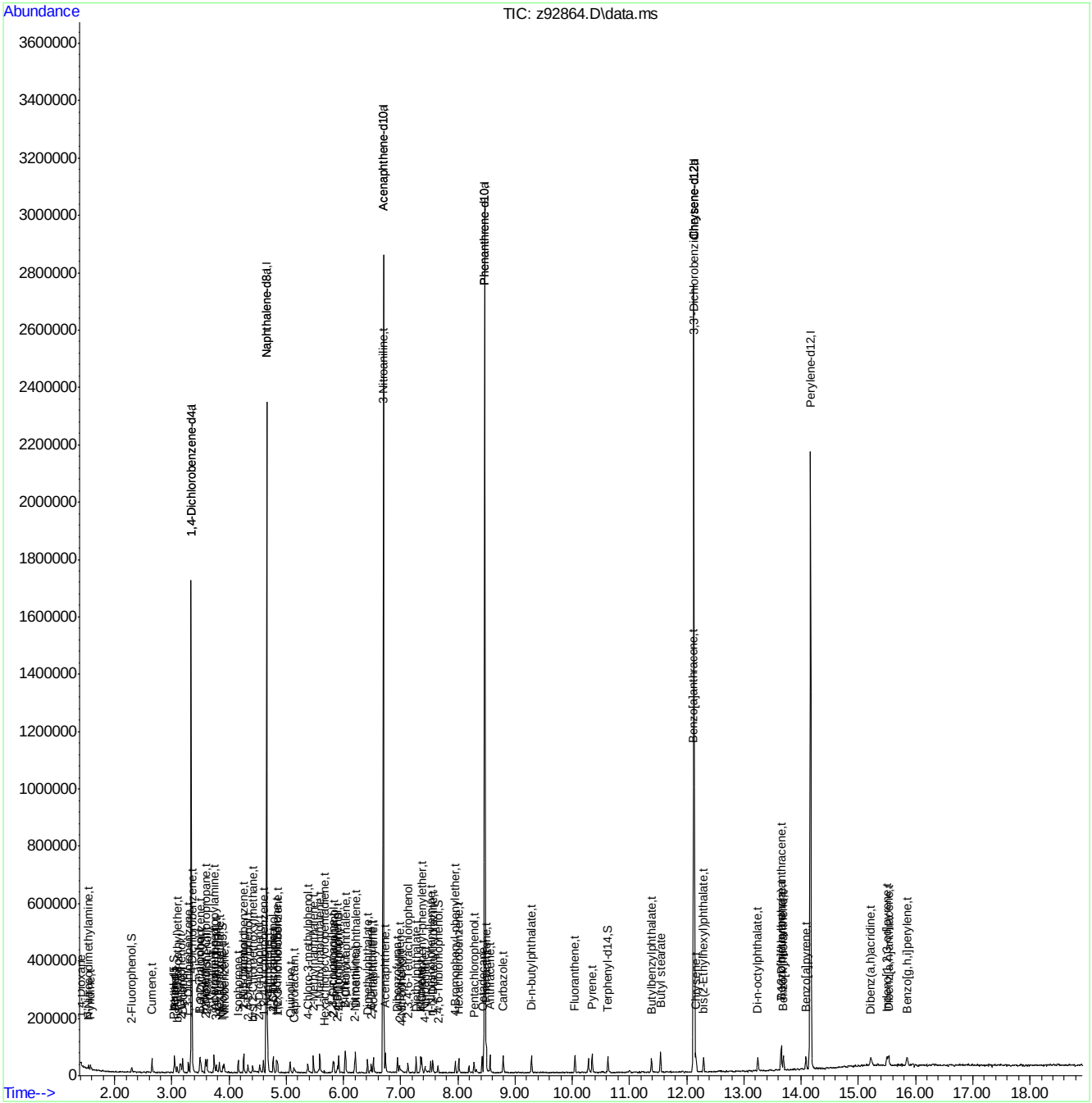
9.6.195

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 12:46:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



Manual Integration Approval Summary

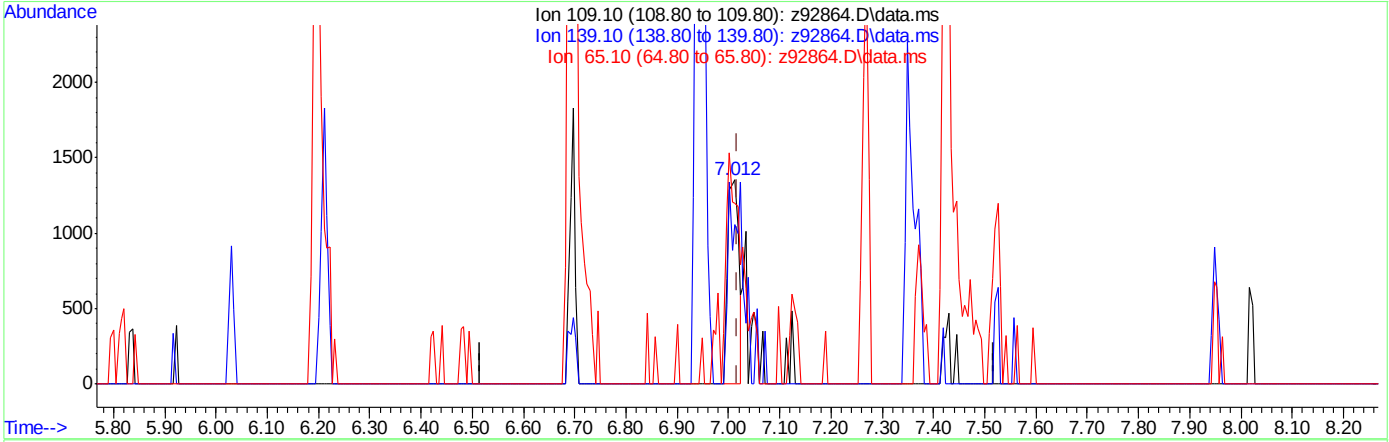
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92864.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 12:27	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

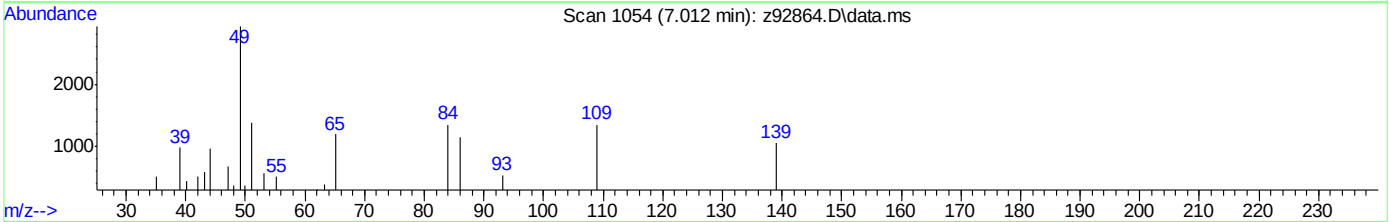
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.46	Poor instrument integration
4-Nitrophenol	100-02-7		7.01	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		13.65	Poor instrument integration

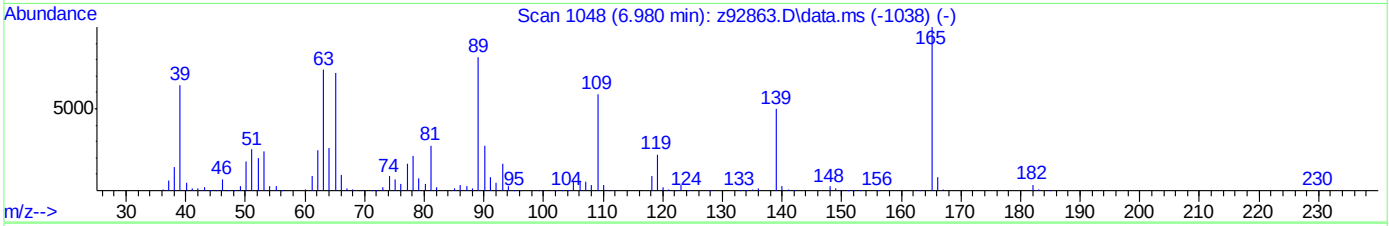
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 12:47:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Jun 23 18:09:26 2014
Response via : Initial Calibration







TIC: z92864.D\data.ms

(61) 4-Nitrophenol (t)

7.012min (-0.005) 0.78ppb

response 2016

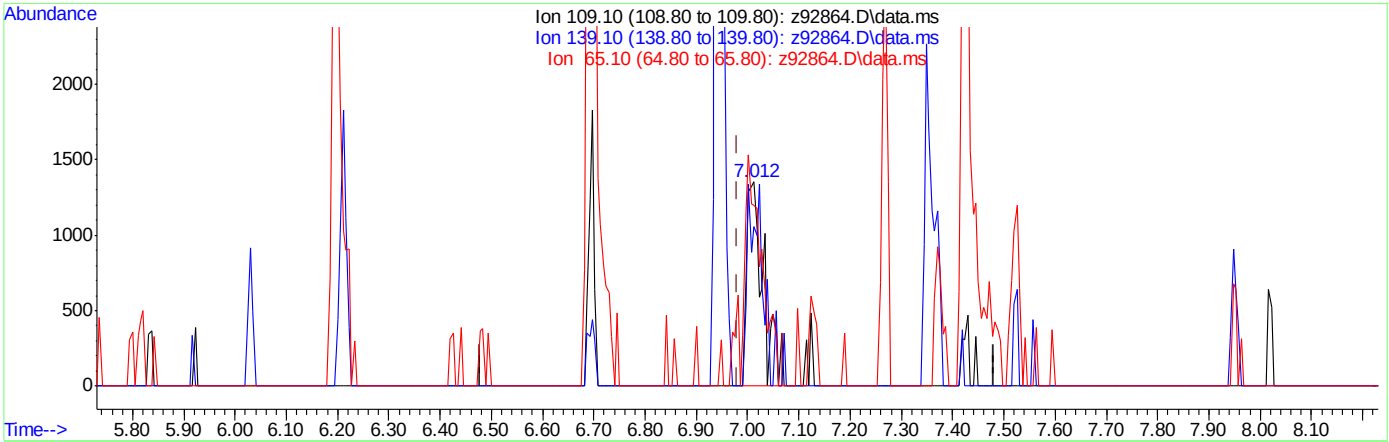
Ion	Exp%	Act%
109.10	100	100
139.10	132.70	36.37#
65.10	118.70	60.09#
0.00	0.00	0.00

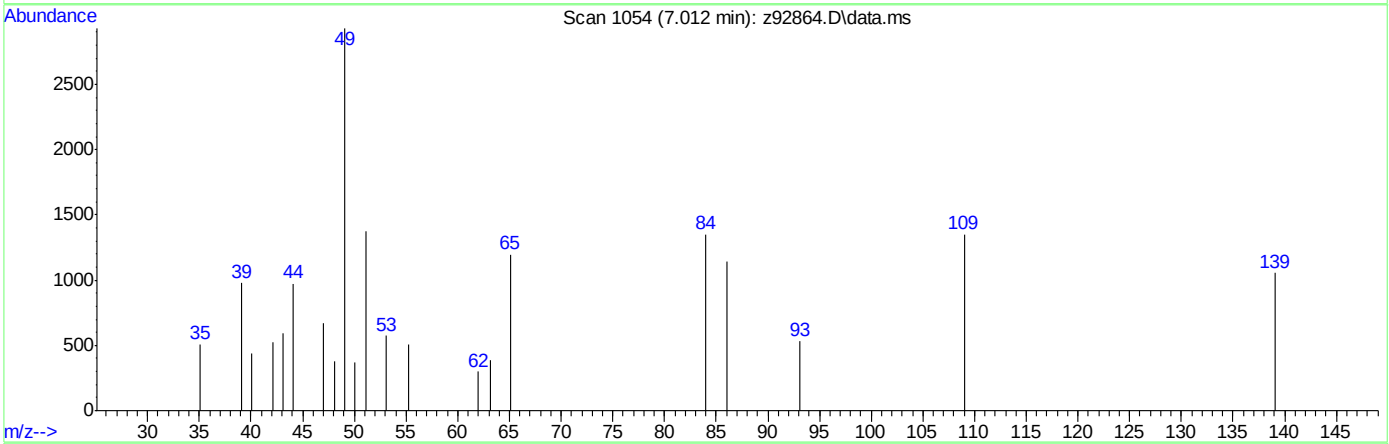
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92864.D
Acq On : 24 Jun 2014 12:27 pm
Operator : ashleyv
Sample : ic4615-1
Misc : op75490,ez4615
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 15:16:37 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration





TIC: z92864.D\data.ms

(61) 4-Nitrophenol (t)

7.012min (+0.032) 0.92ppb m

response 3051

Ion	Exp%	Act%
109.10	100	100
139.10	95.30	77.96
65.10	122.50	88.61#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

9.6.195.3 9

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.337	152	167386	40.00	ppb		0.00
24) Naphthalene-d8	4.657	136	706907	40.00	ppb		0.00
47) Acenaphthene-d10	6.697	164	471789	40.00	ppb		0.00
69) Phenanthrene-d10	8.471	188	863203	40.00	ppb		0.00
83) Chrysene-d12	12.125	240	915701	40.00	ppb		0.00
92) Perylene-d12	14.166	264	790805	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	167386	40.00	ppb		0.00
104) Phenanthrene-d10a	8.471	188	863203	40.00	ppb		0.00
107) Chrysene-d12a	12.125	240	915701	40.00	ppb		0.00
110) Acenaphthene-d10a	6.697	164	471789	40.00	ppb		0.00
112) Naphthalene-d8a	4.657	136	706907	40.00	ppb		0.00
114) Chrysene-d12b	12.125	240	915701	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.295	112	7520	1.77	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.54%		
8) Phenol-d5	3.038	99	10908	1.81	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.62%		
25) Nitrobenzene-d5	3.893	82	12730	1.97	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.94%		
51) 2-Fluorobiphenyl	5.917	172	27193	1.96	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.92%		
73) 2,4,6-Tribromophenol	7.654	330	3957	1.64	ppb		0.00
Spiked Amount 50.000			Recovery	=	3.28%		
86) Terphenyl-d14	10.624	244	34823	2.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.408	88	948m	0.87	ppb		
3) Pyridine	1.574	79	6855	1.97	ppb		89
4) N-Nitrosodimethylamine	1.542	74	3938	1.96	ppb		90
6) Indene	3.588	116	19302	2.02	ppb		84
7) Cumene	2.653	105	24704	1.88	ppb		98
9) Phenol	3.049	94	12710	1.82	ppb		73
10) Aniline	3.049	93	14664	1.98	ppb		83
11) bis(2-Chloroethyl)ether	3.097	93	9217	2.03	ppb		94
12) 2-Chlorophenol	3.161	128	10772	1.91	ppb		94
13) Decane	3.187	43	12355	1.96	ppb		96
14) 1,3-Dichlorobenzene	3.289	146	12462	1.93	ppb		97
15) 1,4-Dichlorobenzene	3.353	146	12728	1.90	ppb		89
16) Benzyl alcohol	3.487	108	6885	1.83	ppb		92
17) 1,2-Dichlorobenzene	3.503	146	12457	1.97	ppb		92
18) Acetophenone	3.738	105	16441	1.95	ppb		97
19) 2-Methylphenol	3.615	108	8866	1.78	ppb		93
20) 2,2'-oxybis(1-Chloropr...	3.609	121	3624	1.96	ppb	#	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21) 3&4-Methylphenol	3.775	108	9346	1.77	ppb		88
22) n-Nitroso-di-n-propyla...	3.738	70	8221	1.93	ppb		78
23) Hexachloroethane	3.834	201	4280	1.78	ppb		75
26) Nitrobenzene	3.914	77	13442	1.99	ppb		96
27) Quinoline	5.063	129	23927	1.92	ppb		97
28) Isophorone	4.160	82	21604	1.93	ppb		95
29) 2-Nitrophenol	4.251	139	6002	1.79	ppb		82
30) 2,4-Dimethylphenol	4.331	107	10600	1.80	ppb		97
31) Benzoic Acid	4.448	105	8445m	1.80	ppb		
32) bis(2-Chloroethoxy)met...	4.411	93	12329	2.10	ppb		95
33) 2,4-Dichlorophenol	4.534	162	9593	1.90	ppb		87
34) 2,6-Dichlorophenol	4.774	162	8965	1.75	ppb		96
35) 1,3,5-Trichlorobenzene	4.256	180	11782	1.90	ppb		97
36) 1,2,4-Trichlorobenzene	4.598	180	11723	2.00	ppb		91
37) 1,2,3-Trichlorobenzene	4.849	180	10991	1.87	ppb		93
38) Naphthalene	4.678	128	35562	1.95	ppb		98
39) 4-Chloroaniline	4.769	127	15411	2.00	ppb		86
40) 2,3-Dichloroaniline	5.821	161	13029	1.93	ppb		88
41) Caprolactam	5.127	55	6647	2.13	ppb		93
42) Hexachlorobutadiene	4.833	225	7477	1.99	ppb		86
43) 4-Chloro-3-methylphenol	5.372	107	11000	1.92	ppb		86
44) 2-Methylnaphthalene	5.474	141	21806	1.99	ppb		98
45) 1-Methylnaphthalene	5.586	141	23285	2.10	ppb		96
46) Dimethylnaphthalene	6.211	156	23539	2.01	ppb		95
48) Hexachlorocyclopentadiene	5.666	237	2903	8.39	ppb		86
49) 2,4,6-Trichlorophenol	5.832	196	7662	1.95	ppb		88
50) 2,4,5-Trichlorophenol	5.896	196	8431	1.95	ppb		86
52) 2-Chloronaphthalene	6.040	162	24379	1.91	ppb		98
53) Biphenyl	6.030	154	30395	1.80	ppb		98
54) 2-Nitroaniline	6.195	65	9152	2.02	ppb		86
55) Dimethylphthalate	6.420	163	29138	1.98	ppb		95
56) Acenaphthylene	6.526	152	41303	2.00	ppb		97
57) 2,6-Dinitrotoluene	6.489	165	5608	1.78	ppb		90
58) 3-Nitroaniline	6.692	138	6916	1.82	ppb	#	18
59) Acenaphthene	6.735	153	25361	1.99	ppb		95
60) 2,4-Dinitrophenol	6.858	184	1011	7.59	ppb	#	60
61) 4-Nitrophenol	6.996	109	3956	1.48	ppb	#	67
62) Dibenzofuran	6.943	168	35034	1.94	ppb		97
63) 2,4-Dinitrotoluene	6.975	165	8196	1.83	ppb		80
64) 2,3,4,6-Tetrachlorophenol	7.125	232	6873	1.88	ppb		81
65) Diethylphthalate	7.269	149	32265	2.02	ppb		94
66) Fluorene	7.354	166	28340	1.91	ppb		96
67) 4-Chlorophenyl-phenyle...	7.370	204	11768	1.75	ppb		84
68) 4-Nitroaniline	7.418	138	6740	1.83	ppb		80
70) 4,6-Dinitro-2-methylph...	7.472	198	2024	0.71	ppb		87
71) n-Nitrosodiphenylamine	7.525	169	19763	1.90	ppb		97
72) 1,2-Diphenylhydrazine	7.563	77	30810	1.87	ppb		94
74) 4-Bromophenyl-phenylether	7.953	248	7847	1.78	ppb		89
75) Hexachlorobenzene	8.017	284	11236	2.04	ppb		79
76) Pentachlorophenol	8.284	266	7633	7.86	ppb		80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Phenanthrene	8.498	178	45079	1.91	ppb	99
78) Anthracene	8.562	178	44386	1.89	ppb	96
79) Carbazole	8.791	167	41848	1.91	ppb	96
80) Di-n-butylphthalate	9.288	149	52274	1.81	ppb	98
81) Fluoranthene	10.042	202	48809	1.90	ppb	96
82) Octadecane	8.428	57	18140	1.81	ppb	90
84) Pyrene	10.351	202	51974	2.01	ppb	97
85) Butyl stearate	11.543	56	20200	2.08	ppb	87
87) Butylbenzylphthalate	11.382	149	24167	1.89	ppb	98
88) Benzo[a]anthracene	12.109	228	50459	2.03	ppb	98
89) 3,3'-Dichlorobenzidine	12.125	252	18583	1.94	ppb	81
90) Chrysene	12.162	228	43419	2.09	ppb	97
91) bis(2-Ethylhexyl)phtha...	12.296	149	31227	1.96	ppb	91
93) Di-n-octylphthalate	13.242	149	53512	1.68	ppb	96
94) Benzo[b]fluoranthene	13.653	252	45890	1.80	ppb	97
95) Benzo[k]fluoranthene	13.690	252	42594	1.86	ppb	96
96) Benzo[a]pyrene	14.080	252	39200	1.84	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.501	276	40106	1.79	ppb	92
98) Dibenz(a,h)acridine	15.218	279	29455	1.72	ppb	88
99) Dibenz[a,h]anthracene	15.533	278	28292	1.59	ppb	93
100) 7,12-Dimethylbenz(a)an...	13.648	256	18274	6.23	ppb	93
101) Benzo[g,h,i]perylene	15.849	276	33180	1.92	ppb	95

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

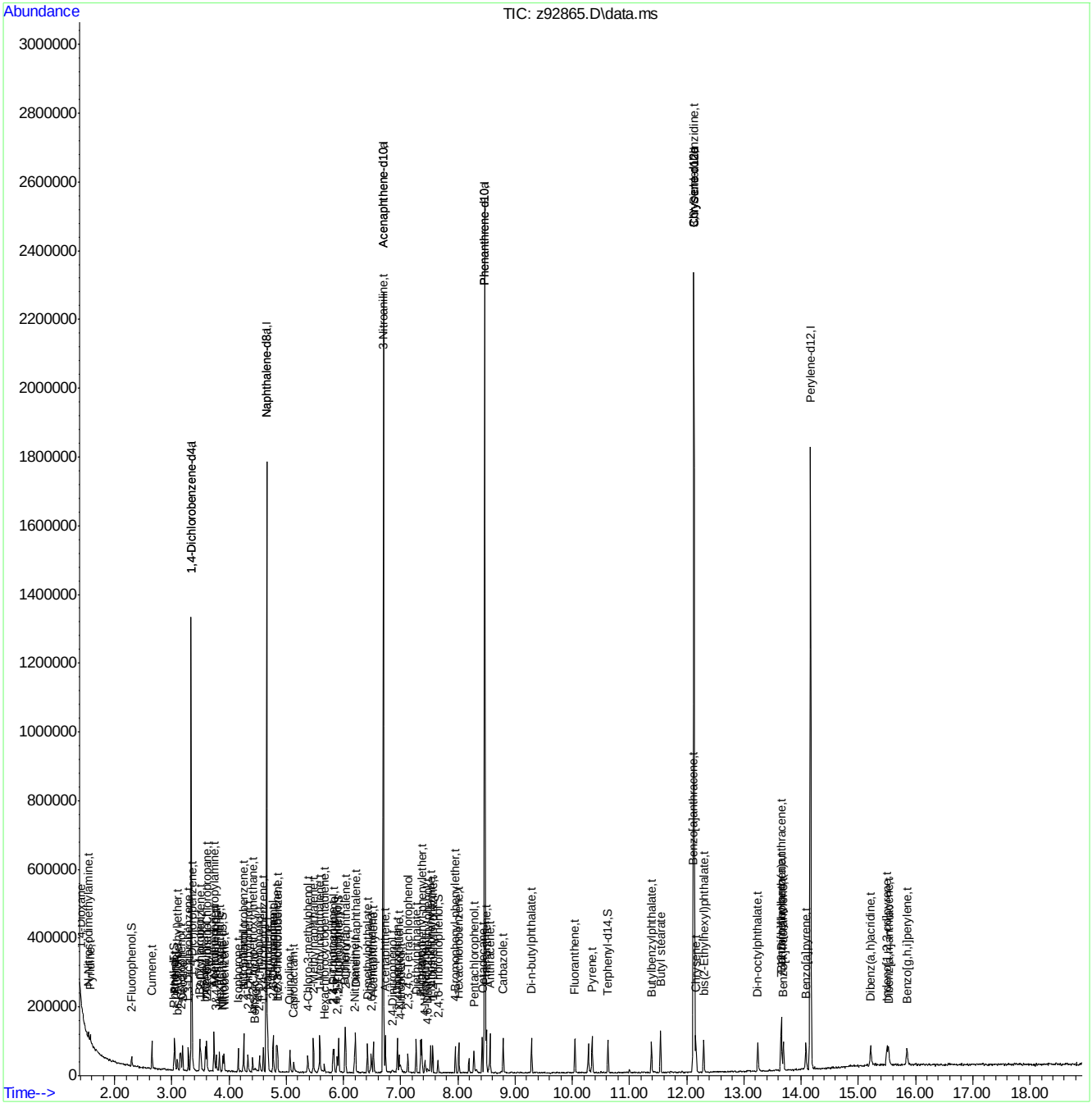
9.6.L96

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration



Manual Integration Approval Summary

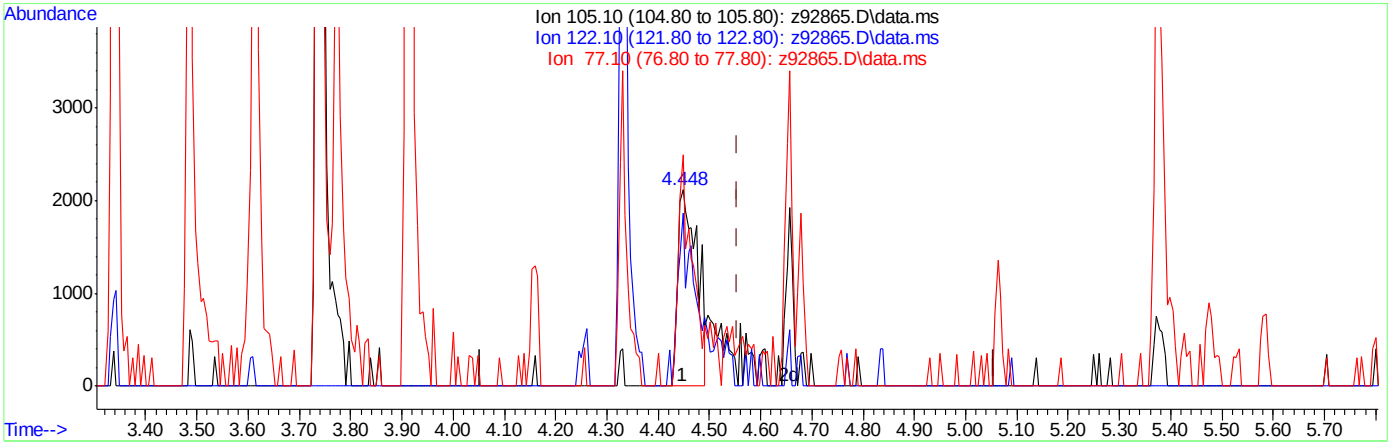
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92865.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 12:53	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

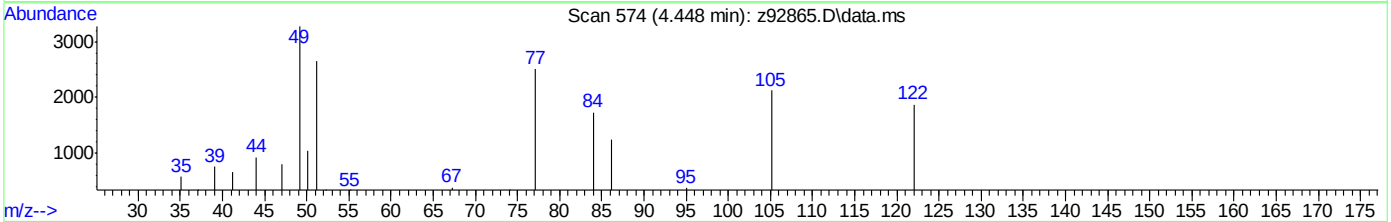
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.41	Poor instrument integration
Benzoic Acid	65-85-0		4.45	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		13.65	Poor instrument integration

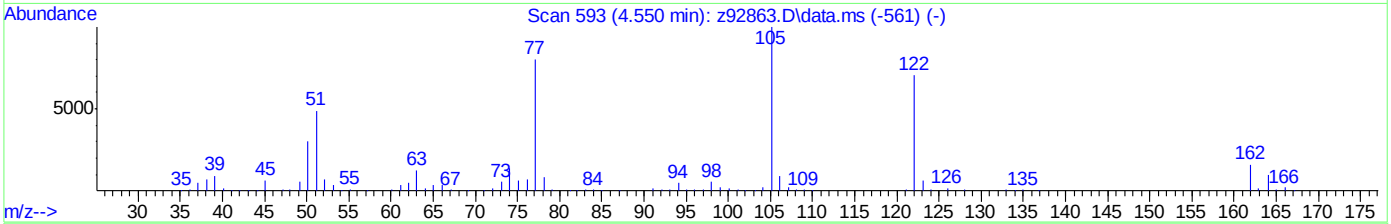
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 13:13:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:52:36 2014
Response via : Initial Calibration







TIC: z92865.D\data.ms

(31) Benzoic Acid

4.448min (-0.107) 1.48ppb

response 5456

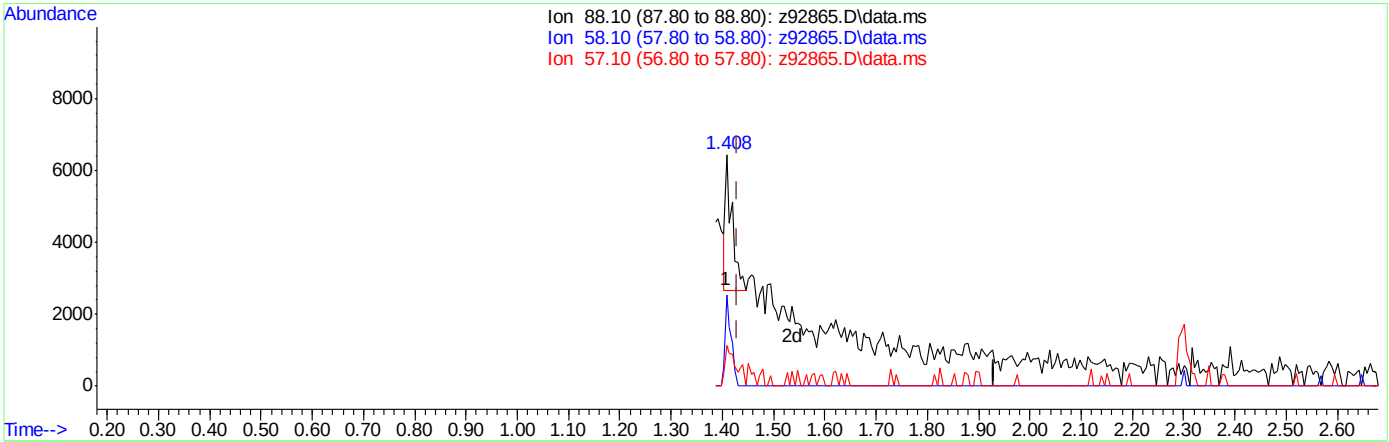
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	34.26#
77.10	35.20	83.21#
0.00	0.00	0.00

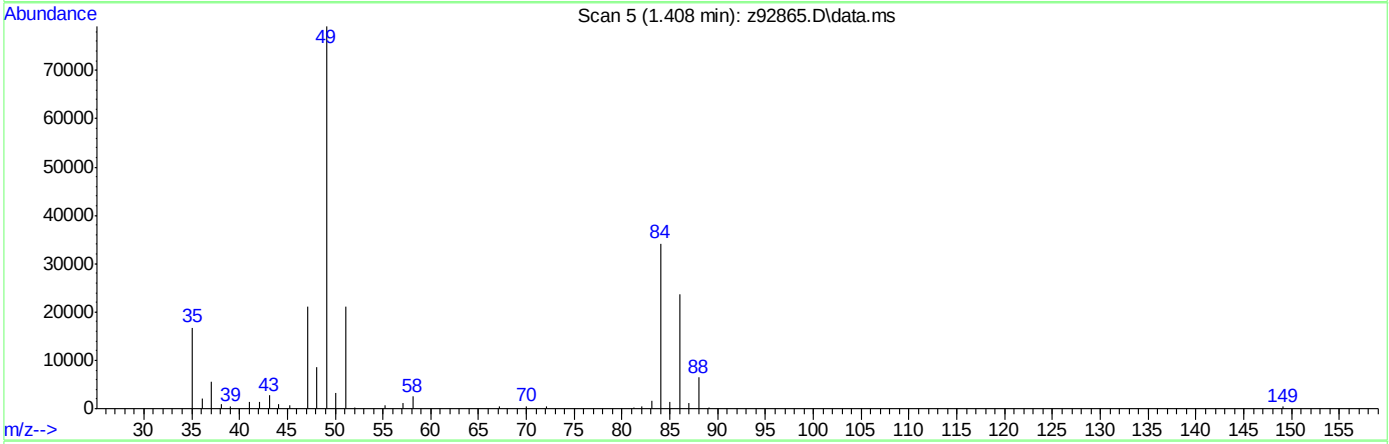
ACCUTEST LABORATORIES JB69123

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 13:15:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 12:52:36 2014
Response via : Initial Calibration





TIC: z92865.D\data.ms

(2) 1,4-Dioxane

1.408min (-0.021) 3.15ppb

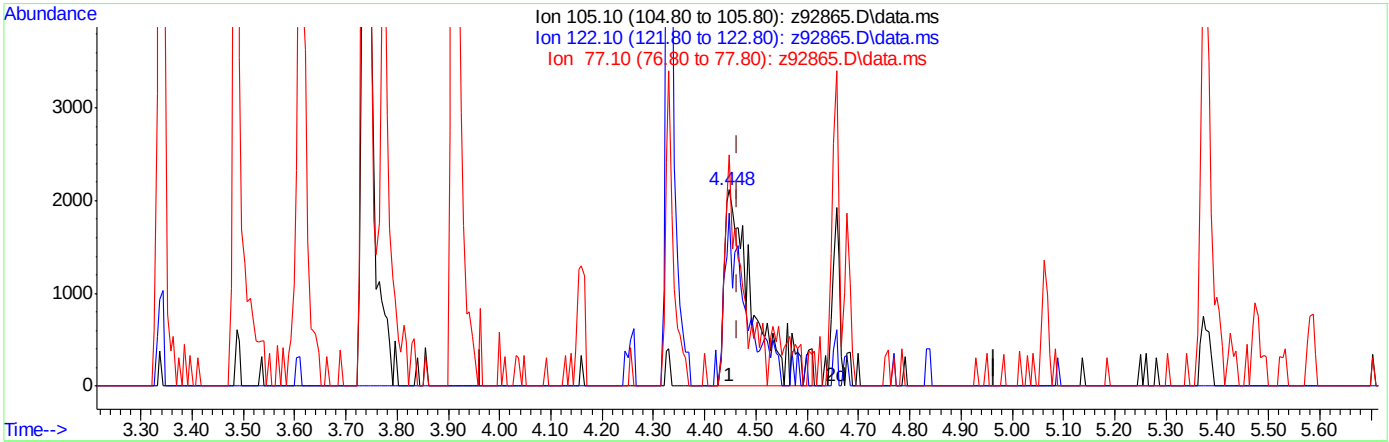
response 3333

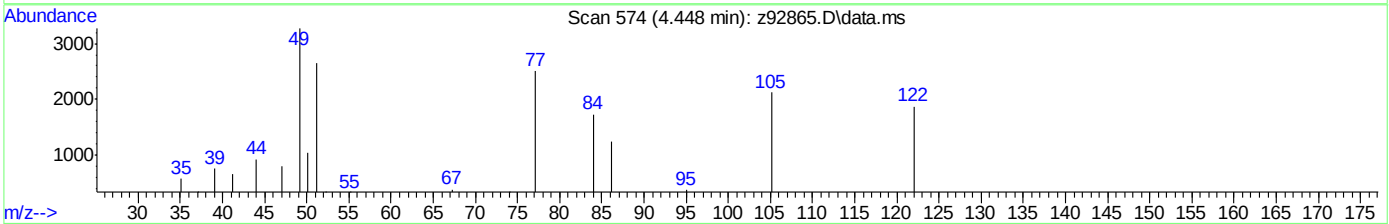
Ion	Exp%	Act%
88.10	100	100
58.10	78.80	61.00
57.10	34.50	39.84
0.00	0.00	0.00

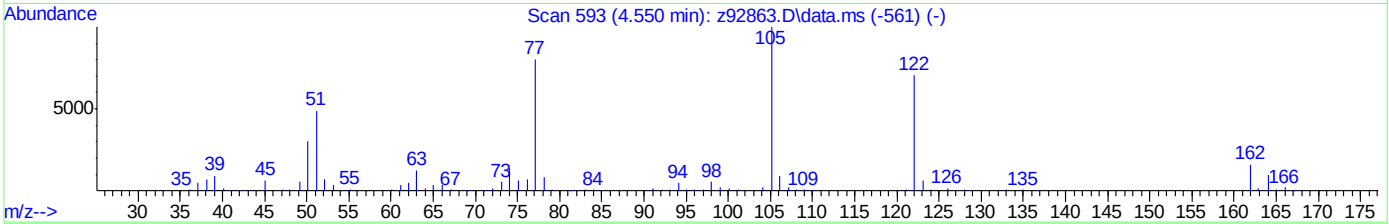
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:18:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration







TIC: z92865.D\data.ms

(31) Benzoic Acid

4.448min (-0.016) 1.80ppb m

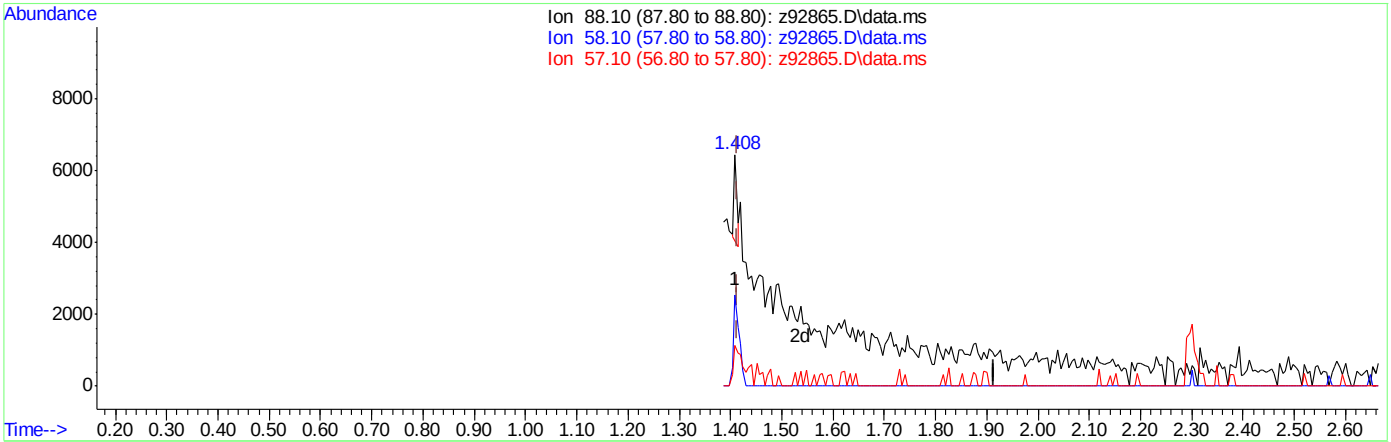
response 8445

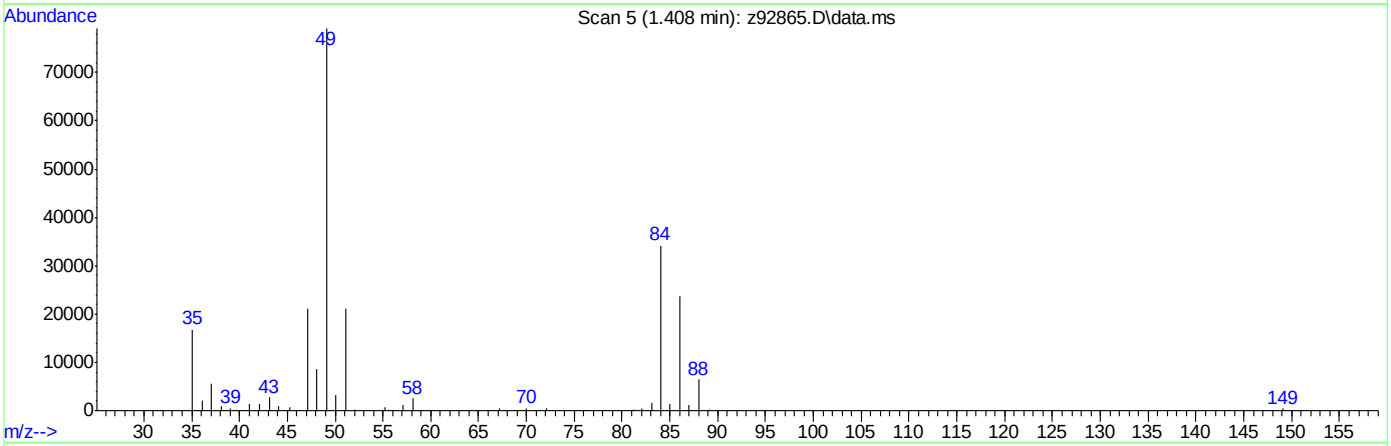
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	22.13#
77.10	35.20	53.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration





TIC: z92865.D\data.ms

(2) 1,4-Dioxane

1.408min (-0.005) 0.87ppb m

response 948

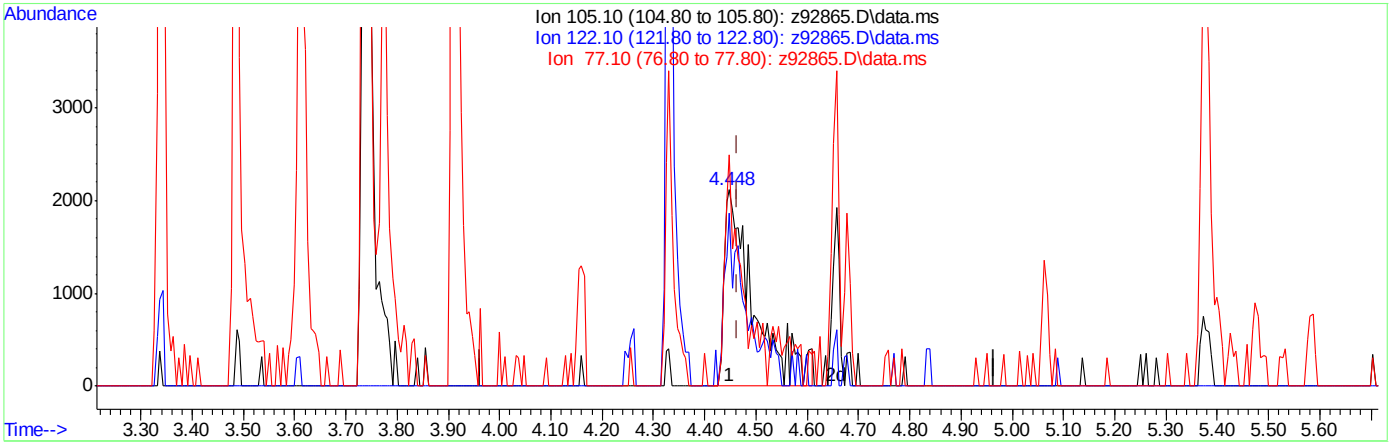
Ion	Exp%	Act%
88.10	100	100
58.10	78.80	214.45#
57.10	34.50	140.08#
0.00	0.00	0.00

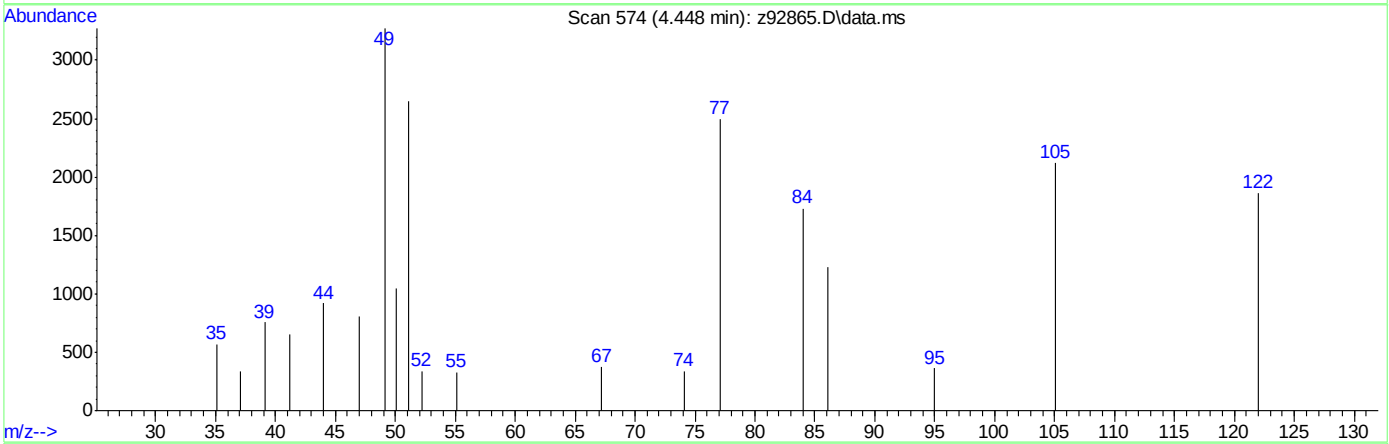
Z92865.D edits: 1,4-Dioxane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92865.D
Acq On : 24 Jun 2014 12:53 pm
Operator : ashleyv
Sample : ic4615-2
Misc : op75490,ez4615
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 15:19:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:17:29 2014
Response via : Initial Calibration





TIC: z92865.D\data.ms

(31) Benzoic Acid

4.448min (-0.016) 1.80ppb m

response 8445

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	22.13#
77.10	35.20	53.76
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.337	152	194550	40.00	ppb	0.00
24) Naphthalene-d8	4.657	136	841370	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	545729	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	990776	40.00	ppb	0.00
83) Chrysene-d12	12.125	240	1034211	40.00	ppb	0.00
92) Perylene-d12	14.166	264	894726	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	194550	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	990776	40.00	ppb	0.00
107) Chrysene-d12a	12.125	240	1034211	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	545729	40.00	ppb	0.00
112) Naphthalene-d8a	4.657	136	841370	40.00	ppb	0.00
114) Chrysene-d12b	12.125	240	1034211	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.295	112	23920	4.83	ppb	0.00
Spiked Amount 50.000			Recovery =	9.66%		
8) Phenol-d5	3.033	99	33559	4.79	ppb	0.00
Spiked Amount 50.000			Recovery =	9.58%		
25) Nitrobenzene-d5	3.893	82	37136	4.84	ppb	0.00
Spiked Amount 50.000			Recovery =	9.68%		
51) 2-Fluorobiphenyl	5.917	172	78427	4.89	ppb	0.00
Spiked Amount 50.000			Recovery =	9.78%		
73) 2,4,6-Tribromophenol	7.648	330	11946	4.32	ppb	0.00
Spiked Amount 50.000			Recovery =	8.64%		
86) Terphenyl-d14	10.624	244	94745	4.81	ppb	0.00
Spiked Amount 50.000			Recovery =	9.62%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.409	88	6377m	5.00	ppb	
3) Pyridine	1.569	79	20076	4.97	ppb	98
4) N-Nitrosodimethylamine	1.542	74	11686	5.02	ppb	79
6) Indene	3.588	116	55467	4.98	ppb	99
7) Cumene	2.653	105	74938	4.90	ppb	96
9) Phenol	3.043	94	37618	4.63	ppb	65
10) Aniline	3.049	93	43420	5.05	ppb	84
11) bis(2-Chloroethyl)ether	3.097	93	28022	5.30	ppb	97
12) 2-Chlorophenol	3.155	128	32741	4.99	ppb	99
13) Decane	3.187	43	37531	5.12	ppb	94
14) 1,3-Dichlorobenzene	3.289	146	37308	4.98	ppb	95
15) 1,4-Dichlorobenzene	3.353	146	37882	4.87	ppb	96
16) Benzyl alcohol	3.481	108	21816	4.99	ppb	93
17) 1,2-Dichlorobenzene	3.503	146	35902	4.88	ppb	98
18) Acetophenone	3.738	105	48314	4.93	ppb	99
19) 2-Methylphenol	3.610	108	29907	5.18	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.604	121	10596	4.92	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21) 3&4-Methylphenol	3.770	108	31565	5.14	ppb		89
22) n-Nitroso-di-n-propyla...	3.738	70	25110	5.07	ppb		93
23) Hexachloroethane	3.834	201	13927	4.99	ppb		86
26) Nitrobenzene	3.914	77	37091	4.61	ppb		96
27) Quinoline	5.063	129	73576	4.96	ppb		99
28) Isophorone	4.160	82	66823	5.02	ppb		99
29) 2-Nitrophenol	4.251	139	18634	4.66	ppb		88
30) 2,4-Dimethylphenol	4.325	107	32628	4.65	ppb		93
31) Benzoic Acid	4.443	105	25718m	4.54	ppb		
32) bis(2-Chloroethoxy)met...	4.411	93	34063	4.86	ppb		97
33) 2,4-Dichlorophenol	4.528	162	27923	4.64	ppb		95
34) 2,6-Dichlorophenol	4.769	162	29859	4.90	ppb		99
35) 1,3,5-Trichlorobenzene	4.256	180	35063	4.74	ppb		97
36) 1,2,4-Trichlorobenzene	4.598	180	33855	4.86	ppb		97
37) 1,2,3-Trichlorobenzene	4.849	180	34478	4.93	ppb		98
38) Naphthalene	4.678	128	105615	4.87	ppb		97
39) 4-Chloroaniline	4.763	127	44701	4.88	ppb		94
40) 2,3-Dichloroaniline	5.816	161	40017	4.98	ppb		99
41) Caprolactam	5.132	55	19325	5.20	ppb		99
42) Hexachlorobutadiene	4.833	225	22265	4.99	ppb		97
43) 4-Chloro-3-methylphenol	5.372	107	34505	5.05	ppb		87
44) 2-Methylnaphthalene	5.474	141	62416	4.79	ppb		97
45) 1-Methylnaphthalene	5.586	141	61813	4.69	ppb		97
46) Dimethylnaphthalene	6.211	156	66240	4.74	ppb		94
48) Hexachlorocyclopentadiene	5.666	237	16055	11.75	ppb		95
49) 2,4,6-Trichlorophenol	5.832	196	20847	4.58	ppb		98
50) 2,4,5-Trichlorophenol	5.885	196	24893	4.97	ppb		98
52) 2-Chloronaphthalene	6.040	162	73297	4.95	ppb		99
53) Biphenyl	6.030	154	94622	4.84	ppb		99
54) 2-Nitroaniline	6.190	65	25502	4.88	ppb		93
55) Dimethylphthalate	6.420	163	87991	5.17	ppb		99
56) Acenaphthylene	6.521	152	118635	4.98	ppb		97
57) 2,6-Dinitrotoluene	6.484	165	17847	4.89	ppb		82
58) 3-Nitroaniline	6.687	138	22812	5.20	ppb		86
59) Acenaphthene	6.735	153	72821	4.94	ppb		97
60) 2,4-Dinitrophenol	6.831	184	11459m	11.53	ppb		
61) 4-Nitrophenol	6.980	109	14518	4.68	ppb	#	77
62) Dibenzofuran	6.943	168	103448	4.94	ppb		96
63) 2,4-Dinitrotoluene	6.970	165	26153	5.06	ppb		93
64) 2,3,4,6-Tetrachlorophenol	7.125	232	20178	4.76	ppb		90
65) Diethylphthalate	7.269	149	95966	5.20	ppb		96
66) Fluorene	7.349	166	82440	4.81	ppb		99
67) 4-Chlorophenyl-phenyle...	7.370	204	37838	4.87	ppb		85
68) 4-Nitroaniline	7.419	138	21723	5.09	ppb		87
70) 4,6-Dinitro-2-methylph...	7.467	198	10827	3.30	ppb		89
71) n-Nitrosodiphenylamine	7.520	169	56960	4.76	ppb		97
72) 1,2-Diphenylhydrazine	7.557	77	90086	4.76	ppb		98
74) 4-Bromophenyl-phenylether	7.953	248	23210	4.60	ppb		97
75) Hexachlorobenzene	8.017	284	29782	4.72	ppb		90
76) Pentachlorophenol	8.279	266	24954	11.96	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Phenanthrene	8.498	178	126798	4.68	ppb	98
78) Anthracene	8.562	178	127240	4.73	ppb	96
79) Carbazole	8.791	167	115554	4.59	ppb	97
80) Di-n-butylphthalate	9.288	149	151645	4.58	ppb	99
81) Fluoranthene	10.042	202	137807	4.66	ppb	100
82) Octadecane	8.428	57	53203	4.63	ppb	95
84) Pyrene	10.351	202	144478	4.95	ppb	100
85) Butyl stearate	11.543	56	56601	5.15	ppb	92
87) Butylbenzylphthalate	11.388	149	72958	5.05	ppb	91
88) Benzo[a]anthracene	12.114	228	137111	4.89	ppb	95
89) 3,3'-Dichlorobenzidine	12.125	252	53046	4.90	ppb	96
90) Chrysene	12.162	228	119666	5.09	ppb	97
91) bis(2-Ethylhexyl)phtha...	12.296	149	89722	5.00	ppb	98
93) Di-n-octylphthalate	13.247	149	158793	4.39	ppb	97
94) Benzo[b]fluoranthene	13.653	252	129808	4.51	ppb	97
95) Benzo[k]fluoranthene	13.690	252	122494	4.72	ppb	95
96) Benzo[a]pyrene	14.080	252	109501	4.54	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.501	276	116337	4.58	ppb	94
98) Dibenz(a,h)acridine	15.218	279	86175	4.45	ppb	98
99) Dibenz[a,h]anthracene	15.528	278	93797	4.66	ppb	95
100) 7,12-Dimethylbenz(a)an...	13.648	256	53121	8.01	ppb	96
101) Benzo[g,h,i]perylene	15.849	276	94595	4.84	ppb	98

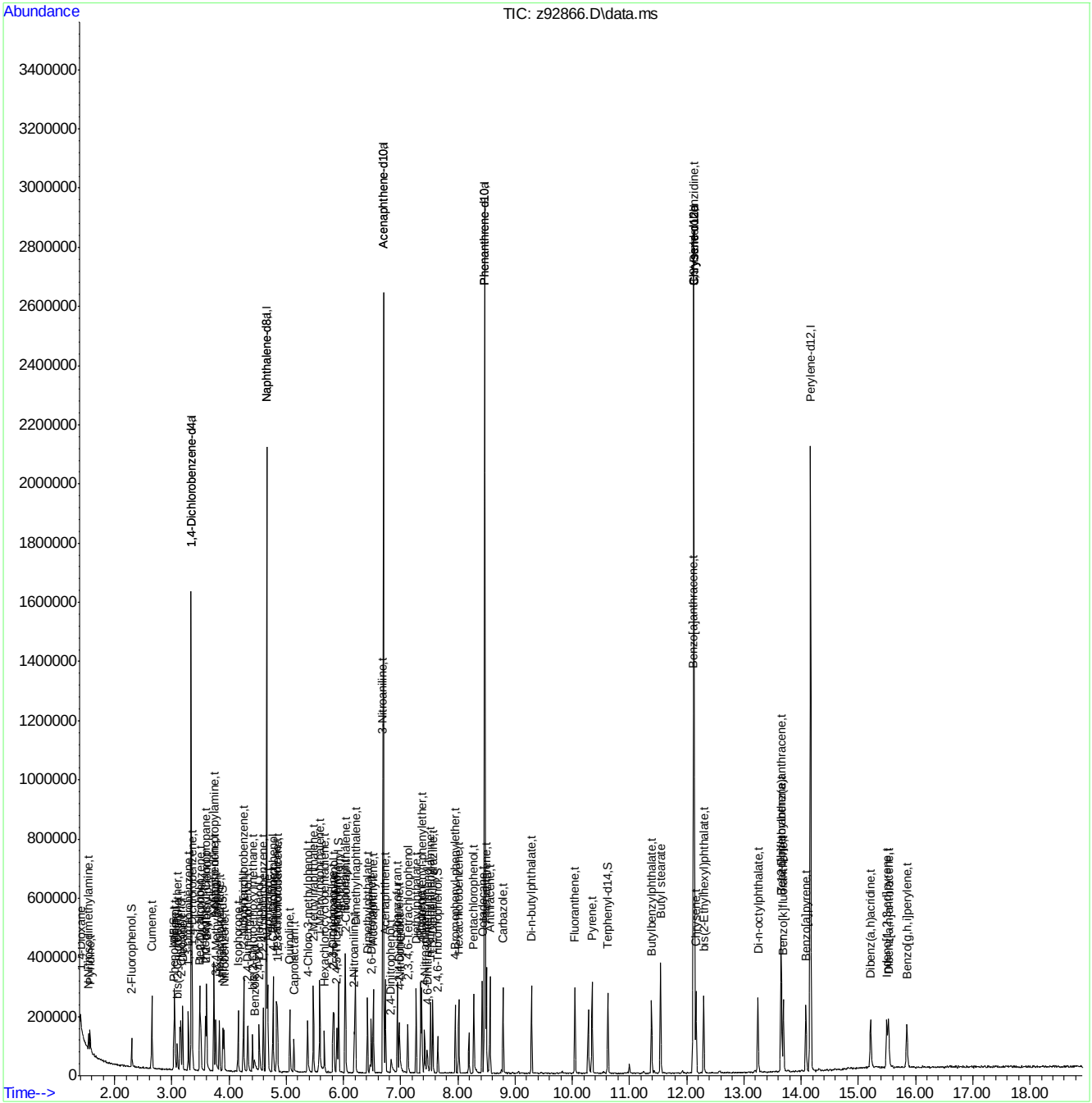
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.17
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

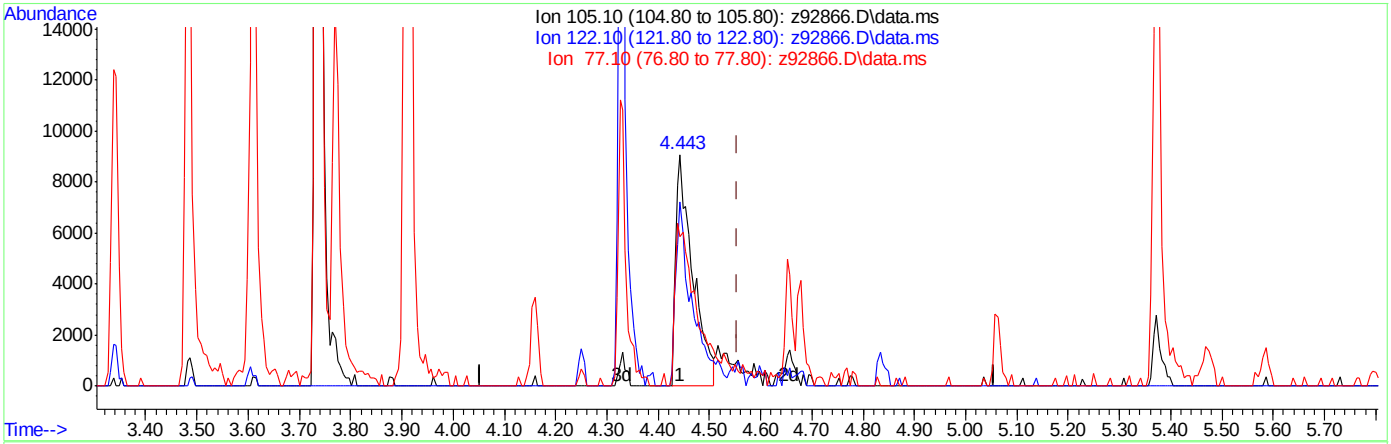
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92866.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 13:18	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

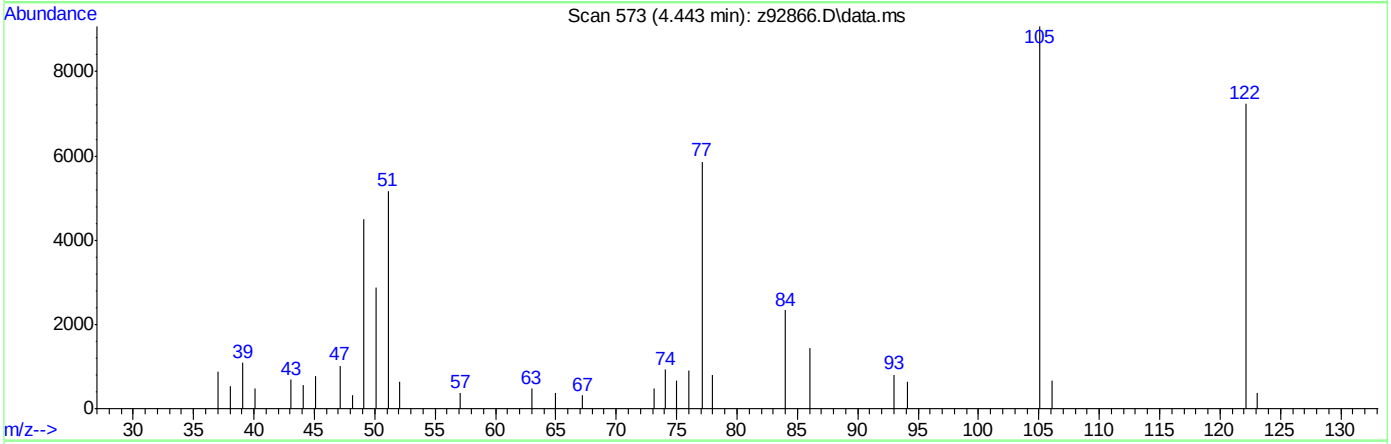
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.41	Poor instrument integration
Benzoic Acid	65-85-0		4.44	Poor instrument integration
2,4-Dinitrophenol	51-28-5		6.83	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 14:46:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 13:16:18 2014
Response via : Initial Calibration





TIC: z92866.D\data.ms

(31) Benzoic Acid

4.443min (-0.112) 4.52ppb

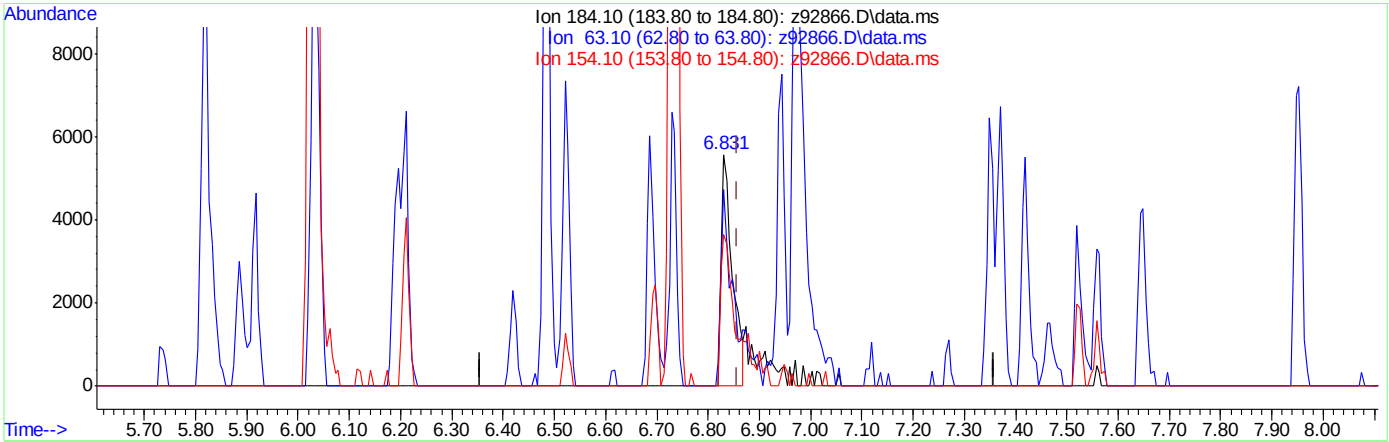
response 20581

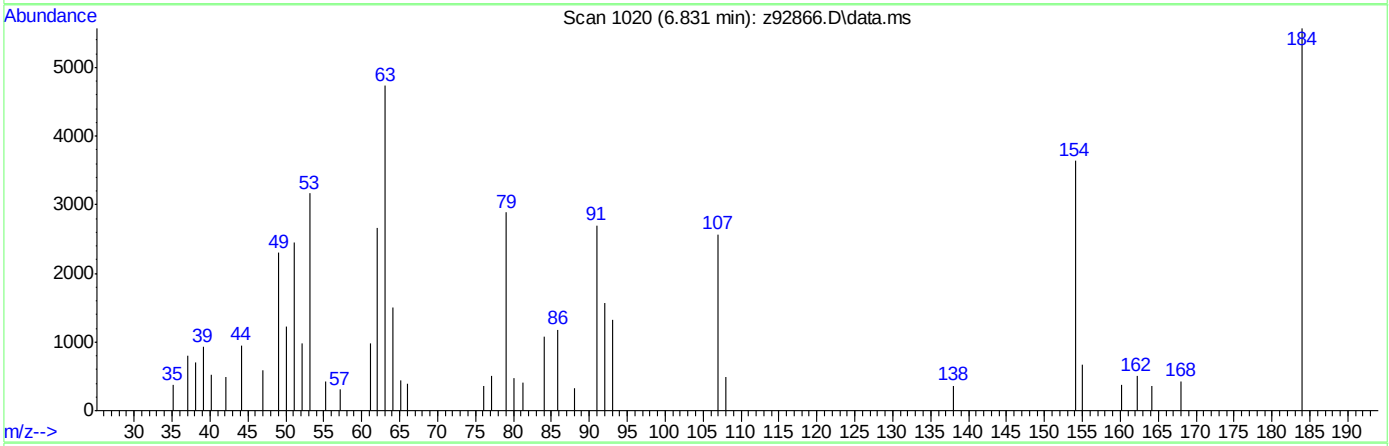
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	79.71
77.10	35.20	88.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 14:46:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 13:16:18 2014
Response via : Initial Calibration





TIC: z92866.D\data.ms

(60) 2,4-Dinitrophenol (t)

6.831min (-0.027) 3.46ppb

response 8423

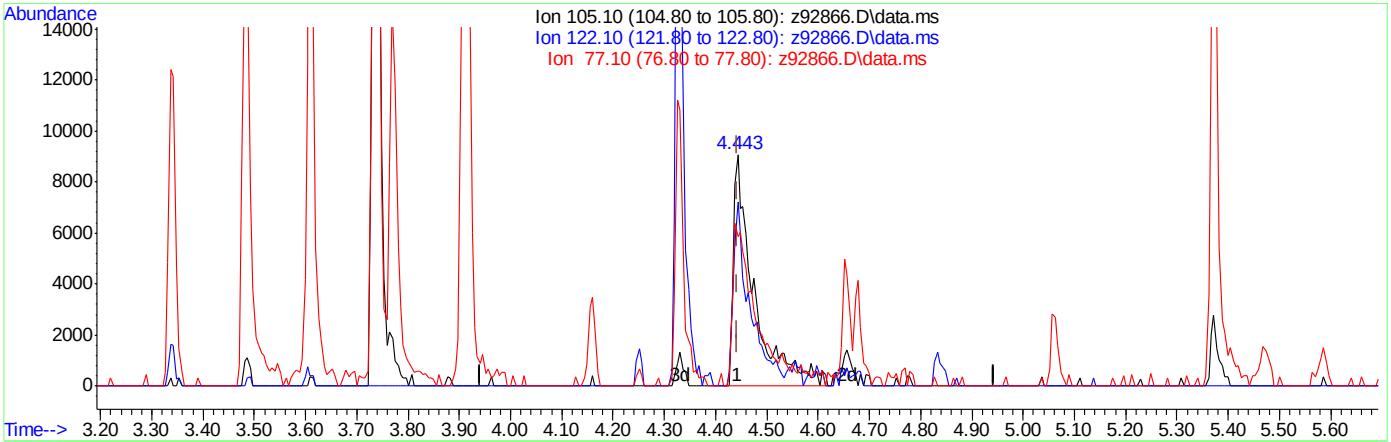
Ion	Exp%	Act%
184.10	100	100
63.10	58.00	75.28
154.10	60.90	61.81
0.00	0.00	0.00

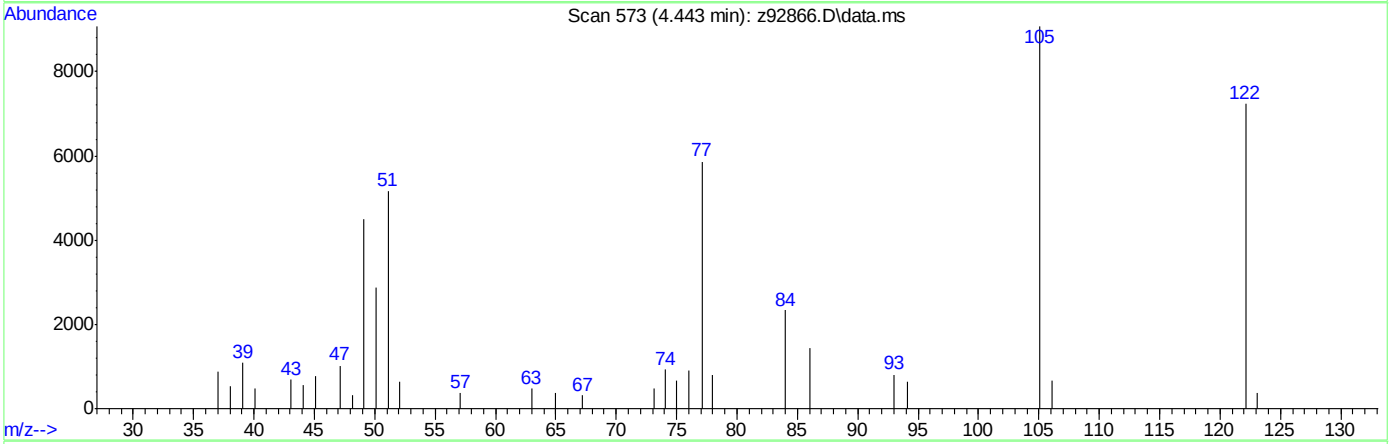
Z92866.D edits: 2,4-Dinitrophenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration





TIC: z92866.D\data.ms

(31) Benzoic Acid

4.443min (0.000) 4.54ppb m

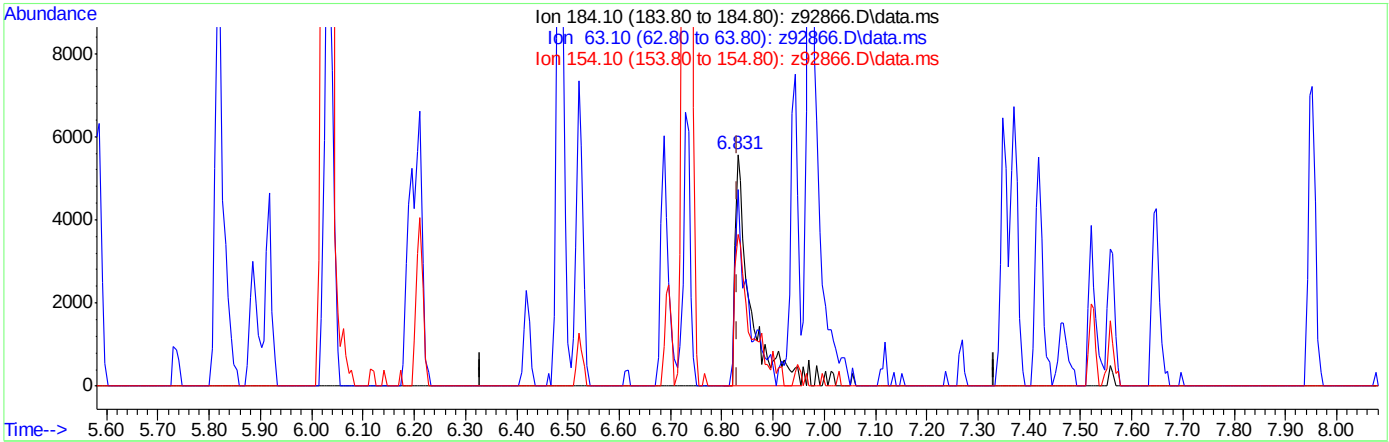
response 25718

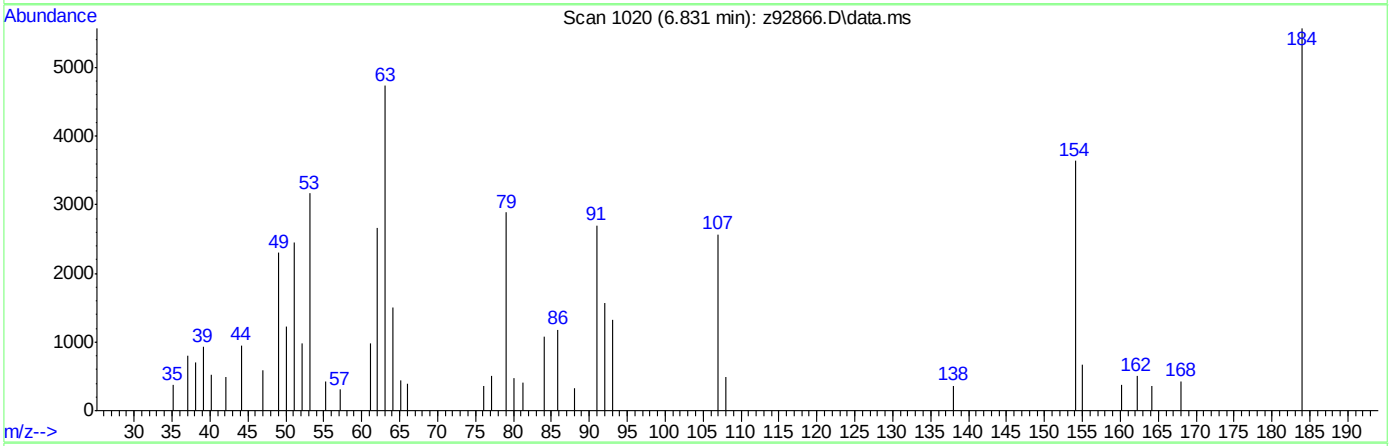
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	63.79
77.10	35.20	70.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration





TIC: z92866.D\data.ms

(60) 2,4-Dinitrophenol (t)

6.831min (0.000) 11.53ppb m

response 11459

Ion	Exp%	Act%
184.10	100	100
63.10	58.00	84.92
154.10	60.90	65.39
0.00	0.00	0.00

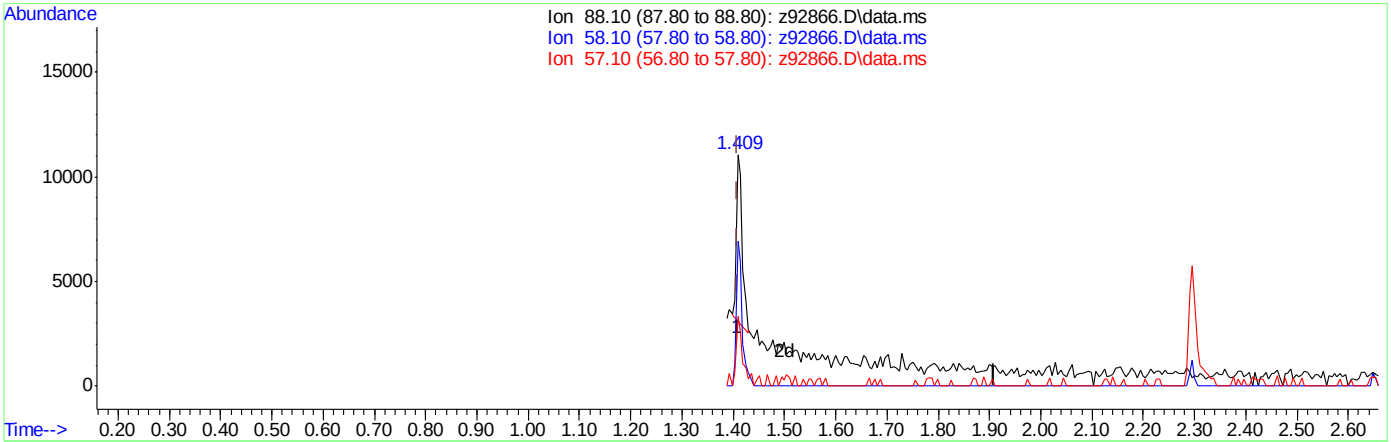
9.6.197.5

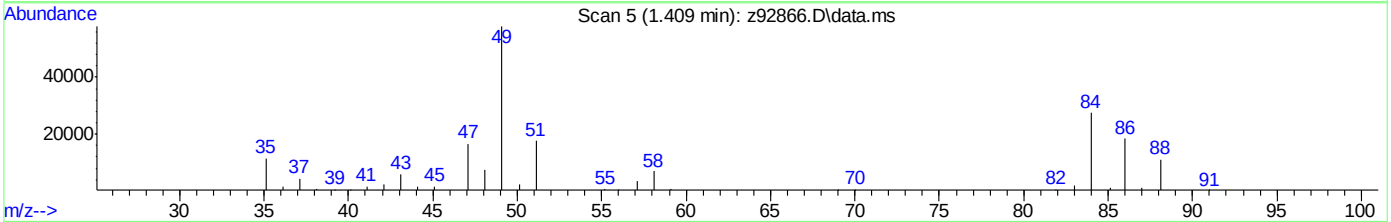
9

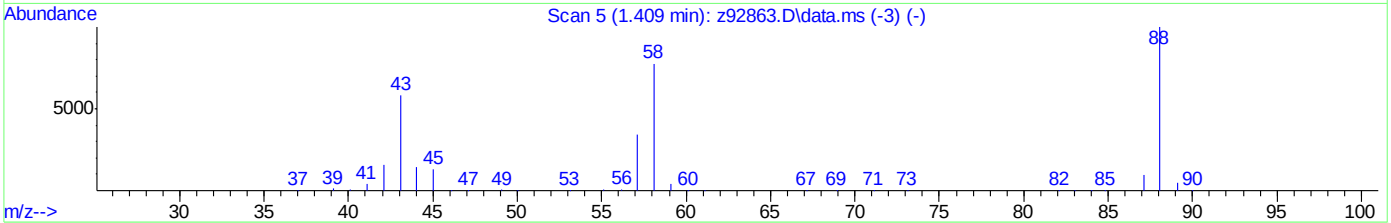
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92866.D
Acq On : 24 Jun 2014 1:18 pm
Operator : ashleyv
Sample : ic4615-5
Misc : op75490,ez4615
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 16:28:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:26:57 2014
Response via : Initial Calibration







TIC: z92866.D\data.ms

(2) 1,4-Dioxane

1.409min (0.000) 5.00ppb m

response 6377

Ion	Exp%	Act%
88.10	100	100
58.10	78.80	90.11
57.10	34.50	48.05
0.00	0.00	0.00

Z92866.D edits: 1,4-Dioxane

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.337	152	199647	40.00	ppb		0.00
24) Naphthalene-d8	4.656	136	854430	40.00	ppb		0.00
47) Acenaphthene-d10	6.697	164	552410	40.00	ppb		0.00
69) Phenanthrene-d10	8.471	188	997823	40.00	ppb		0.00
83) Chrysene-d12	12.130	240	1026666	40.00	ppb		0.00
92) Perylene-d12	14.166	264	851326	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	199647	40.00	ppb		0.00
104) Phenanthrene-d10a	8.471	188	997823	40.00	ppb		0.00
107) Chrysene-d12a	12.130	240	1026666	40.00	ppb		0.00
110) Acenaphthene-d10a	6.697	164	552410	40.00	ppb		0.00
112) Naphthalene-d8a	4.656	136	854430	40.00	ppb		0.00
114) Chrysene-d12b	12.130	240	1026666	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.295	112	49328	9.71	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.42%		
8) Phenol-d5	3.032	99	68481	9.53	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.06%		
25) Nitrobenzene-d5	3.893	82	74946	9.61	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.22%		
51) 2-Fluorobiphenyl	5.917	172	158691	9.78	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.56%		
73) 2,4,6-Tribromophenol	7.648	330	27471	9.87	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.74%		
86) Terphenyl-d14	10.624	244	193208	9.89	ppb		0.00
Spiked Amount 50.000			Recovery	=	19.78%		
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.408	88	12654m	9.69	ppb		
3) Pyridine	1.563	79	41823	10.09	ppb		88
4) N-Nitrosodimethylamine	1.537	74	25260	10.57	ppb		98
6) Indene	3.588	116	112338	9.84	ppb		96
7) Cumene	2.653	105	151054	9.63	ppb		97
9) Phenol	3.043	94	78623	9.43	ppb		74
10) Aniline	3.048	93	87799	9.94	ppb		81
11) bis(2-Chloroethyl)ether	3.091	93	51374	9.47	ppb		91
12) 2-Chlorophenol	3.155	128	64942	9.65	ppb		96
13) Decane	3.187	43	73607	9.79	ppb		91
14) 1,3-Dichlorobenzene	3.289	146	74502	9.69	ppb		99
15) 1,4-Dichlorobenzene	3.353	146	77198	9.67	ppb		97
16) Benzyl alcohol	3.481	108	40781	9.09	ppb		90
17) 1,2-Dichlorobenzene	3.503	146	73084	9.69	ppb		97
18) Acetophenone	3.738	105	98317	9.77	ppb		93
19) 2-Methylphenol	3.609	108	57163	9.64	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.609	121	20724	9.38	ppb	#	88

9.6.198
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21) 3&4-Methylphenol	3.770	108	61343	9.73	ppb		93
22) n-Nitroso-di-n-propyla...	3.738	70	49914	9.82	ppb		92
23) Hexachloroethane	3.834	201	28628	10.00	ppb		87
26) Nitrobenzene	3.909	77	78169	9.56	ppb		95
27) Quinoline	5.062	129	146677	9.74	ppb		97
28) Isophorone	4.160	82	131770	9.74	ppb		95
29) 2-Nitrophenol	4.250	139	39076	9.62	ppb		85
30) 2,4-Dimethylphenol	4.325	107	69433	9.73	ppb		96
31) Benzoic Acid	4.448	105	52859m	9.21	ppb		
32) bis(2-Chloroethoxy)met...	4.411	93	68907	9.69	ppb		97
33) 2,4-Dichlorophenol	4.528	162	60072	9.84	ppb		97
34) 2,6-Dichlorophenol	4.769	162	58457	9.45	ppb		97
35) 1,3,5-Trichlorobenzene	4.256	180	71277	9.49	ppb		99
36) 1,2,4-Trichlorobenzene	4.598	180	66888	9.45	ppb		95
37) 1,2,3-Trichlorobenzene	4.849	180	69922	9.84	ppb		94
38) Naphthalene	4.678	128	207439	9.42	ppb		98
39) 4-Chloroaniline	4.763	127	89792	9.65	ppb		94
40) 2,3-Dichloroaniline	5.816	161	77673	9.53	ppb		97
41) Caprolactam	5.137	55	37347	9.90	ppb		92
42) Hexachlorobutadiene	4.833	225	42812	9.45	ppb		99
43) 4-Chloro-3-methylphenol	5.372	107	68723	9.90	ppb		84
44) 2-Methylnaphthalene	5.474	141	127238	9.61	ppb		96
45) 1-Methylnaphthalene	5.586	141	127382	9.52	ppb		97
46) Dimethylnaphthalene	6.211	156	139315	9.83	ppb		99
48) Hexachlorocyclopentadiene	5.666	237	46080	19.43	ppb		99
49) 2,4,6-Trichlorophenol	5.832	196	44734	9.71	ppb		97
50) 2,4,5-Trichlorophenol	5.885	196	48039	9.47	ppb		95
52) 2-Chloronaphthalene	6.040	162	141841	9.47	ppb		98
53) Biphenyl	6.029	154	190472	9.63	ppb		99
54) 2-Nitroaniline	6.190	65	54343	10.27	ppb		95
55) Dimethylphthalate	6.419	163	171900	9.98	ppb		96
56) Acenaphthylene	6.526	152	235220	9.75	ppb		99
57) 2,6-Dinitrotoluene	6.484	165	36835	9.97	ppb		85
58) 3-Nitroaniline	6.686	138	44090	9.94	ppb		95
59) Acenaphthene	6.735	153	141729	9.49	ppb		97
60) 2,4-Dinitrophenol	6.825	184	28179	17.95	ppb	#	71
61) 4-Nitrophenol	6.980	109	31434	10.02	ppb		96
62) Dibenzofuran	6.943	168	208048	9.82	ppb		94
63) 2,4-Dinitrotoluene	6.975	165	52153	9.97	ppb		99
64) 2,3,4,6-Tetrachlorophenol	7.125	232	40231	9.38	ppb		97
65) Diethylphthalate	7.269	149	186898	10.00	ppb		98
66) Fluorene	7.349	166	169230	9.75	ppb		98
67) 4-Chlorophenyl-phenyle...	7.370	204	78772	10.02	ppb		90
68) 4-Nitroaniline	7.418	138	43502	10.08	ppb		93
70) 4,6-Dinitro-2-methylph...	7.466	198	25560	7.73	ppb		86
71) n-Nitrosodiphenylamine	7.525	169	112255	9.32	ppb		94
72) 1,2-Diphenylhydrazine	7.563	77	183840	9.65	ppb		98
74) 4-Bromophenyl-phenylether	7.953	248	46782	9.20	ppb		92
75) Hexachlorobenzene	8.017	284	59047	9.29	ppb		90
76) Pentachlorophenol	8.278	266	56650	19.85	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Phenanthrene	8.498	178	251572	9.22	ppb	95
78) Anthracene	8.562	178	250466	9.25	ppb	97
79) Carbazole	8.791	167	237113	9.36	ppb	97
80) Di-n-butylphthalate	9.288	149	308706	9.26	ppb	97
81) Fluoranthene	10.041	202	277466	9.32	ppb	98
82) Octadecane	8.428	57	109505	9.45	ppb	93
84) Pyrene	10.346	202	286389	9.88	ppb	96
85) Butyl stearate	11.543	56	112029	10.27	ppb	93
87) Butylbenzylphthalate	11.382	149	145004	10.11	ppb	96
88) Benzo[a]anthracene	12.114	228	270774	9.73	ppb	99
89) 3,3'-Dichlorobenzidine	12.125	252	104644	9.74	ppb	95
90) Chrysene	12.162	228	233969	10.03	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.296	149	179994	10.09	ppb	98
93) Di-n-octylphthalate	13.247	149	309722	9.01	ppb	98
94) Benzo[b]fluoranthene	13.653	252	258387	9.44	ppb	98
95) Benzo[k]fluoranthene	13.690	252	227010	9.19	ppb	98
96) Benzo[a]pyrene	14.080	252	215757	9.39	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.501	276	230139	9.52	ppb	96
98) Dibenz(a,h)acridine	15.218	279	173006	9.38	ppb	97
99) Dibenz[a,h]anthracene	15.528	278	182632	9.54	ppb	98
100) 7,12-Dimethylbenz(a)an...	13.653	256	105426	11.16	ppb	97
101) Benzo[g,h,i]perylene	15.848	276	178706	9.62	ppb	97

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

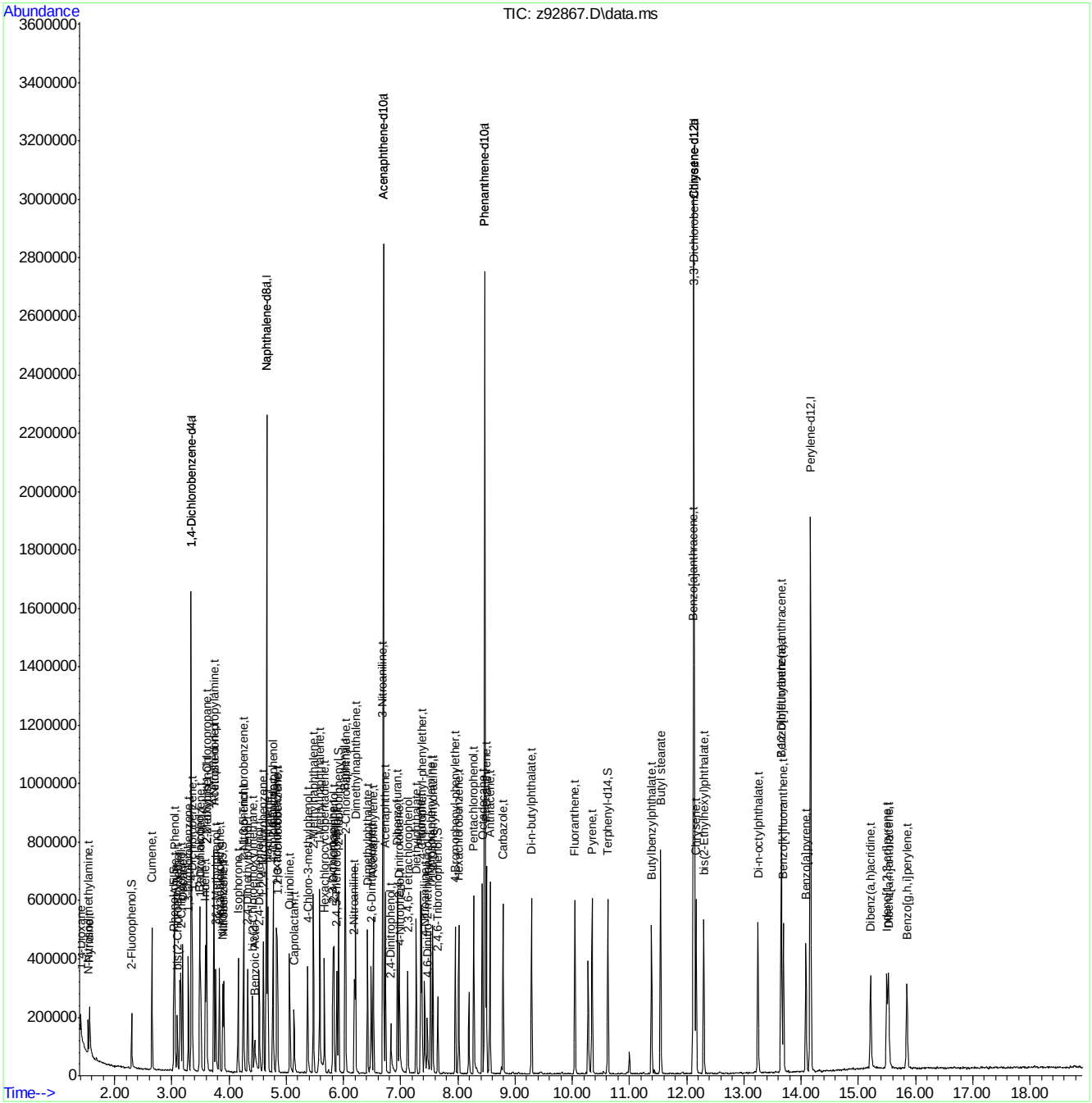
9.6.L98

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69123

Manual Integration Approval Summary

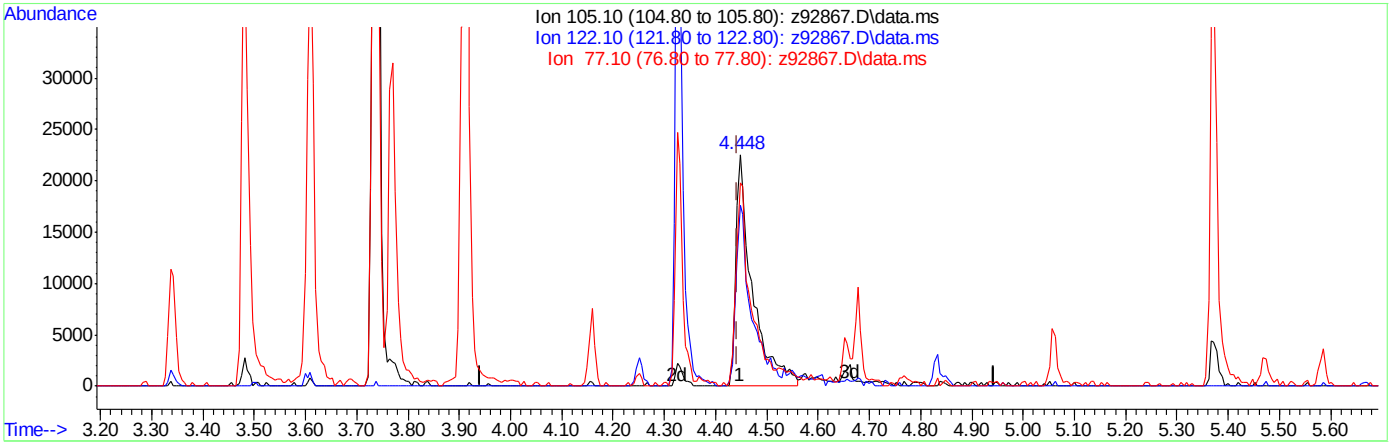
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92867.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 13:44	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

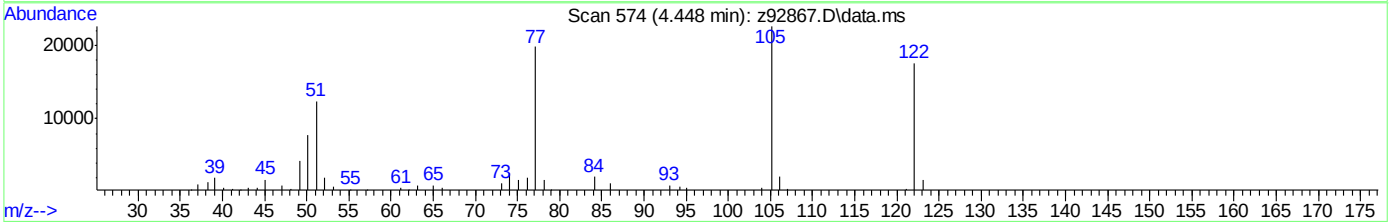
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.41	Poor instrument integration
Benzoic Acid	65-85-0		4.45	Poor instrument integration

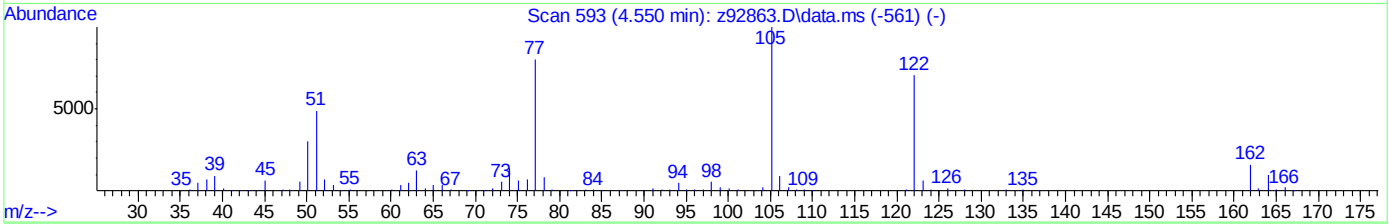
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 14:53:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:52:56 2014
Response via : Initial Calibration







TIC: z92867.D\data.ms

(31) Benzoic Acid

4.448min (+0.005) 10.64ppb

response 50286

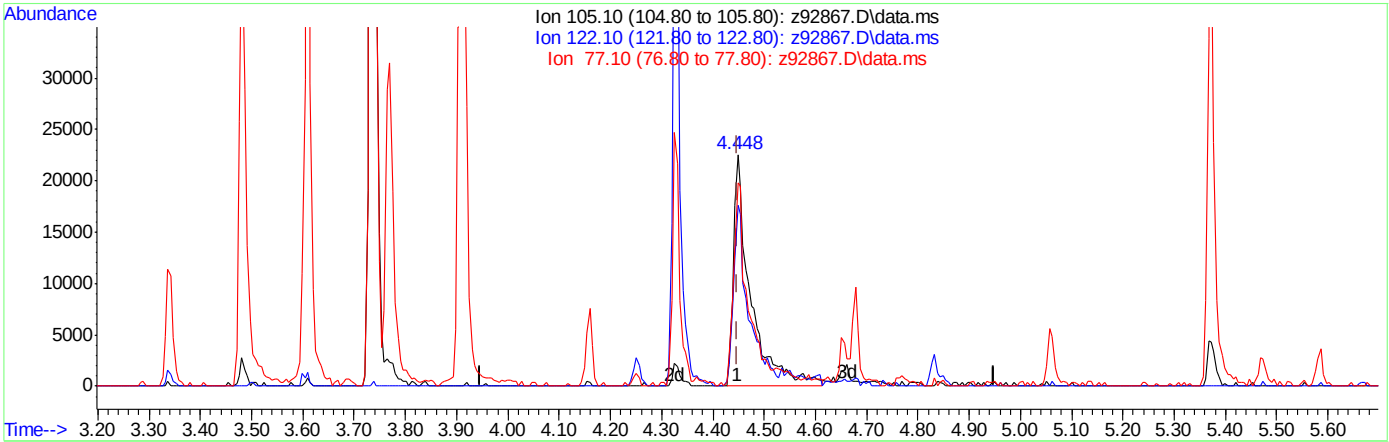
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	73.34
77.10	35.20	78.81#
0.00	0.00	0.00

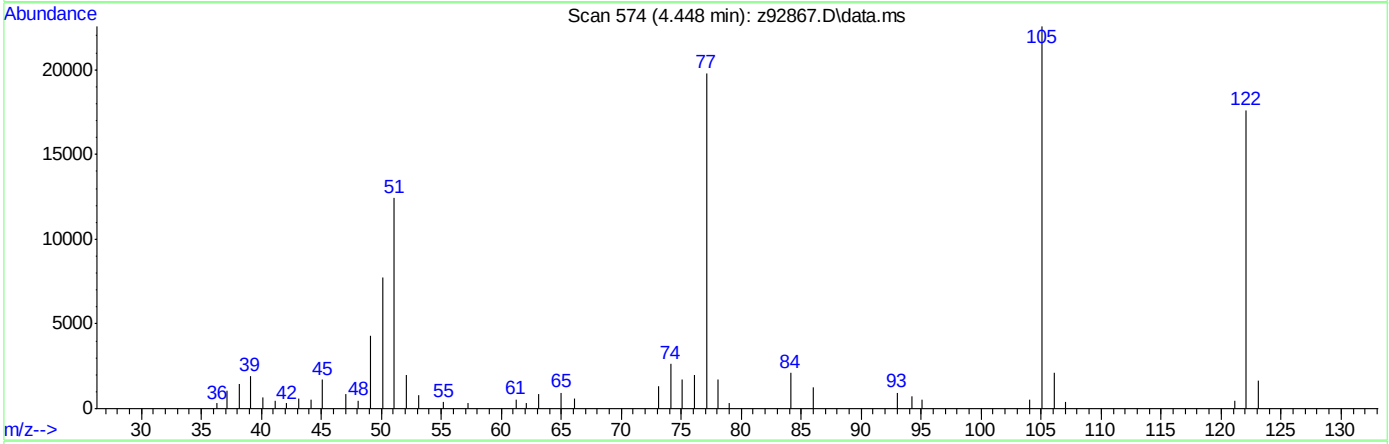
Z92867.D edits: Benzoic Acid

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration





TIC: z92867.D\data.ms

(31) Benzoic Acid

4.448min (0.000) 9.21ppb m

response 52859

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	69.77
77.10	35.20	74.97#
0.00	0.00	0.00

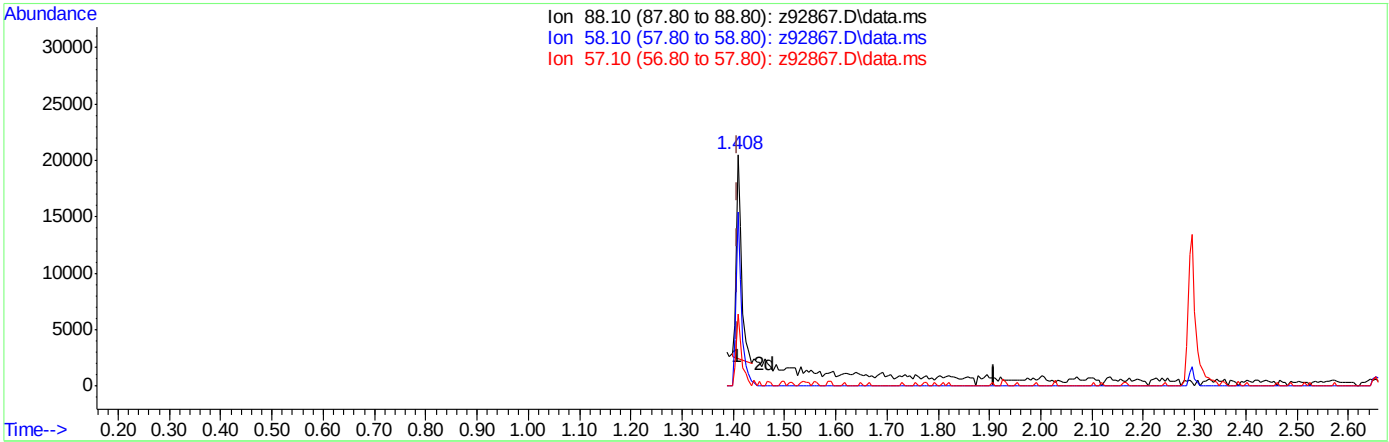
ACCUTEST LABORATORIES JB69123

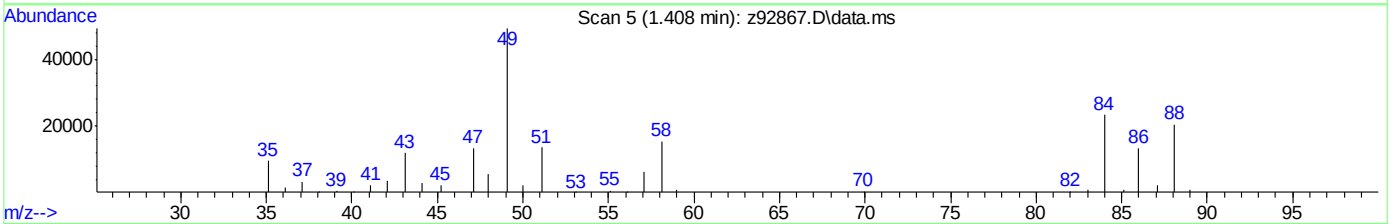
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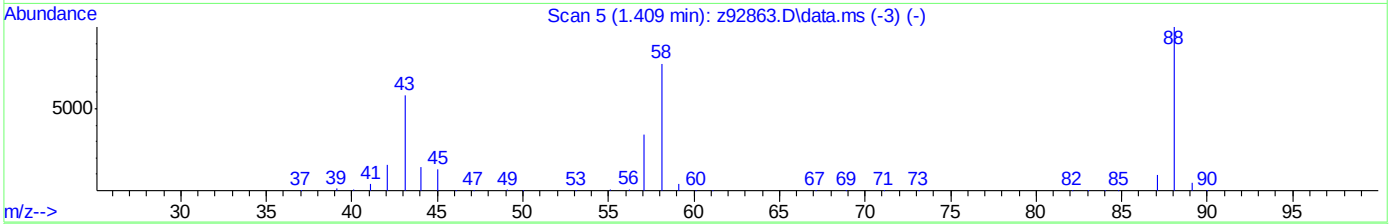
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92867.D
Acq On : 24 Jun 2014 1:44 pm
Operator : ashleyv
Sample : ic4615-10
Misc : op75490,ez4615
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 16:30:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:29:39 2014
Response via : Initial Calibration







TIC: z92867.D\data.ms

(2) 1,4-Dioxane

1.408min (0.000) 9.69ppb m

response 12654

Ion	Exp%	Act%
88.10	100	100
58.10	78.80	93.20
57.10	34.50	38.57
0.00	0.00	0.00

Z92867.D edits: 1,4-Dioxane

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92868.D
Acq On : 24 Jun 2014 2:36 pm
Operator : ashleyv
Sample : ic4615-25
Misc : op75490,ez4615
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 15:25:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:54:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.337	152	182321	40.00	ppb	0.00
24) Naphthalene-d8	4.656	136	739198	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	475755	40.00	ppb	0.00
69) Phenanthrene-d10	8.476	188	824570	40.00	ppb	0.00
83) Chrysene-d12	12.136	240	888416	40.00	ppb	0.00
92) Perylene-d12	14.171	264	718624	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	182321	40.00	ppb	0.00
104) Phenanthrene-d10a	8.476	188	824570	40.00	ppb	0.00
107) Chrysene-d12a	12.136	240	888416	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	475755	40.00	ppb	0.00
112) Naphthalene-d8a	4.656	136	739198	40.00	ppb	0.00
114) Chrysene-d12b	12.136	240	888416	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.290	112	115433	25.42	ppb	0.00
Spiked Amount 50.000			Recovery = 50.84%			
8) Phenol-d5	3.032	99	163752	25.56	ppb	0.00
Spiked Amount 50.000			Recovery = 51.12%			
25) Nitrobenzene-d5	3.893	82	170824	25.50	ppb	0.00
Spiked Amount 50.000			Recovery = 51.00%			
51) 2-Fluorobiphenyl	5.923	172	349821	25.15	ppb	0.00
Spiked Amount 50.000			Recovery = 50.30%			
73) 2,4,6-Tribromophenol	7.653	330	58349	26.12	ppb	0.00
Spiked Amount 50.000			Recovery = 52.24%			
86) Terphenyl-d14	10.629	244	432388	25.56	ppb	0.00
Spiked Amount 50.000			Recovery = 51.12%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.408	88	35446	31.74	ppb	97
3) Pyridine	1.563	79	95266	25.78	ppb	95
4) N-Nitrosodimethylamine	1.542	74	55981	26.33	ppb	96
6) Indene	3.588	116	252238	24.22	ppb	98
7) Cumene	2.653	105	353230	24.92	ppb	99
9) Phenol	3.043	94	184023	24.58	ppb	76
10) Aniline	3.043	93	193960	24.00	ppb	98
11) bis(2-Chloroethyl)ether	3.097	93	121931	24.55	ppb	98
12) 2-Chlorophenol	3.155	128	150855	24.76	ppb	97
13) Decane	3.187	43	178430	26.13	ppb	94
14) 1,3-Dichlorobenzene	3.289	146	174252	24.97	ppb	99
15) 1,4-Dichlorobenzene	3.353	146	176452	24.23	ppb	96
16) Benzyl alcohol	3.481	108	98979	24.57	ppb	88
17) 1,2-Dichlorobenzene	3.503	146	166405	24.27	ppb	98
18) Acetophenone	3.738	105	230373	25.47	ppb	96
19) 2-Methylphenol	3.609	108	131943	24.57	ppb	96
20) 2,2'-oxybis(1-Chloropr...	3.609	121	50245	24.93	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92868.D
Acq On : 24 Jun 2014 2:36 pm
Operator : ashleyv
Sample : ic4615-25
Misc : op75490,ez4615
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 15:25:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:54:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21) 3&4-Methylphenol	3.770	108	143518	25.22	ppb		98
22) n-Nitroso-di-n-propyla...	3.738	70	113265	24.57	ppb		89
23) Hexachloroethane	3.834	201	64336	24.57	ppb		93
26) Nitrobenzene	3.914	77	179077	25.46	ppb		97
27) Quinoline	5.062	129	327520	25.37	ppb		100
28) Isophorone	4.160	82	295422	25.46	ppb		97
29) 2-Nitrophenol	4.250	139	90850	26.54	ppb		94
30) 2,4-Dimethylphenol	4.331	107	154407	25.49	ppb		95
31) Benzoic Acid	4.475	105	129794	31.01	ppb	#	77
32) bis(2-Chloroethoxy)met...	4.411	93	158170	25.94	ppb		99
33) 2,4-Dichlorophenol	4.528	162	133156	25.59	ppb		97
34) 2,6-Dichlorophenol	4.774	162	134960	25.68	ppb		99
35) 1,3,5-Trichlorobenzene	4.256	180	162651	25.38	ppb		99
36) 1,2,4-Trichlorobenzene	4.603	180	151853	24.95	ppb		97
37) 1,2,3-Trichlorobenzene	4.849	180	155384	25.61	ppb		97
38) Naphthalene	4.678	128	469084	24.78	ppb		99
39) 4-Chloroaniline	4.769	127	199422	25.02	ppb		98
40) 2,3-Dichloroaniline	5.821	161	175091	25.01	ppb		100
41) Caprolactam	5.153	55	84025	25.78	ppb		98
42) Hexachlorobutadiene	4.833	225	97879	25.20	ppb		98
43) 4-Chloro-3-methylphenol	5.372	107	151618	25.61	ppb		92
44) 2-Methylnaphthalene	5.474	141	284051	25.06	ppb		97
45) 1-Methylnaphthalene	5.586	141	285300	24.73	ppb		94
46) Dimethylnaphthalene	6.211	156	300818	24.74	ppb		97
48) Hexachlorocyclopentadiene	5.671	237	137481	49.15	ppb		99
49) 2,4,6-Trichlorophenol	5.837	196	102094	26.12	ppb		97
50) 2,4,5-Trichlorophenol	5.891	196	108625	25.06	ppb		97
52) 2-Chloronaphthalene	6.040	162	320829	25.15	ppb		95
53) Biphenyl	6.029	154	422333	25.10	ppb		100
54) 2-Nitroaniline	6.195	65	115219	25.39	ppb		98
55) Dimethylphthalate	6.425	163	368997	24.82	ppb		97
56) Acenaphthylene	6.526	152	513265	24.75	ppb		99
57) 2,6-Dinitrotoluene	6.489	165	82568	26.28	ppb		88
58) 3-Nitroaniline	6.692	138	94880	25.05	ppb		96
59) Acenaphthene	6.735	153	311386	24.15	ppb		98
60) 2,4-Dinitrophenol	6.825	184	85390	52.53	ppb	#	74
61) 4-Nitrophenol	6.975	109	74081	28.37	ppb		92
62) Dibenzofuran	6.948	168	453720	24.97	ppb		97
63) 2,4-Dinitrotoluene	6.975	165	120887	27.42	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.125	232	91752	25.01	ppb		89
65) Diethylphthalate	7.274	149	412931	26.01	ppb		99
66) Fluorene	7.354	166	367029	24.74	ppb		99
67) 4-Chlorophenyl-phenyle...	7.376	204	162950	24.15	ppb		92
68) 4-Nitroaniline	7.424	138	96502	26.38	ppb		95
70) 4,6-Dinitro-2-methylph...	7.466	198	62671	23.25	ppb		95
71) n-Nitrosodiphenylamine	7.525	169	243899	24.80	ppb		100
72) 1,2-Diphenylhydrazine	7.563	77	394388	25.46	ppb		98
74) 4-Bromophenyl-phenylether	7.958	248	105586	25.64	ppb		100
75) Hexachlorobenzene	8.022	284	126250	24.25	ppb		93
76) Pentachlorophenol	8.284	266	137443	49.14	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92868.D
Acq On : 24 Jun 2014 2:36 pm
Operator : ashleyv
Sample : ic4615-25
Misc : op75490,ez4615
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 15:25:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:54:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Phenanthrene	8.503	178	547456	24.49	ppb	99
78) Anthracene	8.567	178	547150	24.66	ppb	98
79) Carbazole	8.797	167	519232	25.11	ppb	100
80) Di-n-butylphthalate	9.294	149	703127	26.14	ppb	99
81) Fluoranthene	10.047	202	617163	25.64	ppb	99
82) Octadecane	8.428	57	242272	25.65	ppb	92
84) Pyrene	10.351	202	637358	25.33	ppb	97
85) Butyl stearate	11.548	56	244219	25.84	ppb	91
87) Butylbenzylphthalate	11.388	149	325266	26.19	ppb	98
88) Benzo[a]anthracene	12.120	228	586347	23.89	ppb	99
89) 3,3'-Dichlorobenzidine	12.130	252	235761	25.49	ppb	94
90) Chrysene	12.168	228	501651	24.51	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.301	149	405108	26.20	ppb	99
93) Di-n-octylphthalate	13.252	149	707262	24.93	ppb	97
94) Benzo[b]fluoranthene	13.663	252	572090	25.94	ppb	97
95) Benzo[k]fluoranthene	13.701	252	514959	25.15	ppb	99
96) Benzo[a]pyrene	14.091	252	479140	25.13	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.507	276	526557	26.57	ppb	99
98) Dibenz(a,h)acridine	15.223	279	395952	26.22	ppb	99
99) Dibenz[a,h]anthracene	15.539	278	425541	27.41	ppb	99
100) 7,12-Dimethylbenz(a)an...	13.658	256	257363	27.76	ppb	97
101) Benzo[g,h,i]perylene	15.859	276	397270	25.68	ppb	98

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

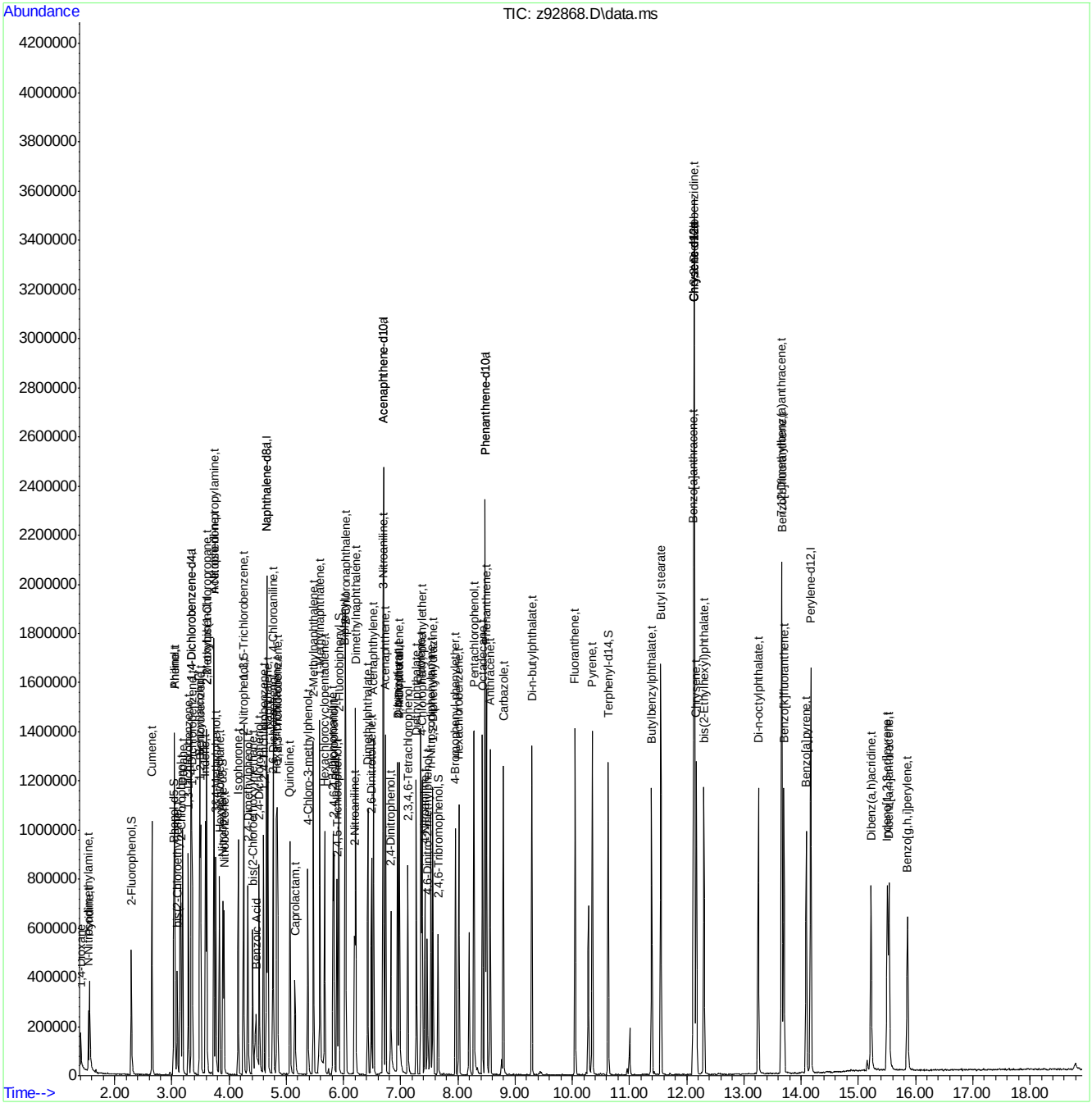
9.6.L99

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92868.D
Acq On : 24 Jun 2014 2:36 pm
Operator : ashleyv
Sample : ic4615-25
Misc : op75490,ez4615
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 15:25:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:54:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 13:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 15:21:40 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	220105	40.00	ppb	0.00
24) Naphthalene-d8	4.656	136	918965	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	614440	40.00	ppb	0.00
69) Phenanthrene-d10	8.476	188	1000408	40.00	ppb	0.00
83) Chrysene-d12	12.136	240	1253788	40.00	ppb	0.00
92) Perylene-d12	14.171	264	794799	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	220105	40.00	ppb	0.00
104) Phenanthrene-d10a	8.476	188	1000408	40.00	ppb	0.00
107) Chrysene-d12a	12.136	240	1253788	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	614440	40.00	ppb	0.00
112) Naphthalene-d8a	4.656	136	918965	40.00	ppb	0.00
114) Chrysene-d12b	12.136	240	1253788	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.290	112	507208	90.55	ppb	0.00
Spiked Amount 50.000			Recovery =	181.10%		
8) Phenol-d5	3.038	99	724851	91.50	ppb	0.00
Spiked Amount 50.000			Recovery =	183.00%		
25) Nitrobenzene-d5	3.898	82	690325	82.31	ppb	0.00
Spiked Amount 50.000			Recovery =	164.62%		
51) 2-Fluorobiphenyl	5.923	172	1482275	82.12	ppb	0.00
Spiked Amount 50.000			Recovery =	164.24%		
73) 2,4,6-Tribromophenol	7.653	330	258260	92.57	ppb	0.00
Spiked Amount 50.000			Recovery =	185.14%		
86) Terphenyl-d14	10.634	244	1857087	77.84	ppb	0.00
Spiked Amount 50.000			Recovery =	155.68%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.408	88	139560	100.72	ppb	98
3) Pyridine	1.558	79	414566	90.73	ppb	100
4) N-Nitrosodimethylamine	1.537	74	238258	90.40	ppb	96
6) Indene	3.588	116	1048346	83.26	ppb	99
7) Cumene	2.653	105	1483811	85.84	ppb	100
9) Phenol	3.048	94	833626	90.70	ppb	88
10) Aniline	3.048	93	797318	81.91	ppb	93
11) bis(2-Chloroethyl)ether	3.102	93	480356	80.28	ppb	99
12) 2-Chlorophenol	3.161	128	638101	85.96	ppb	99
13) Decane	3.187	43	660421	79.66	ppb	98
14) 1,3-Dichlorobenzene	3.289	146	706423	83.36	ppb	99
15) 1,4-Dichlorobenzene	3.358	146	734380	83.40	ppb	99
16) Benzyl alcohol	3.486	108	449430	90.83	ppb	92
17) 1,2-Dichlorobenzene	3.502	146	707244	85.04	ppb	98
18) Acetophenone	3.743	105	965626	87.07	ppb	99
19) 2-Methylphenol	3.615	108	562487	86.03	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.609	121	197341	80.99	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 15:21:40 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:15 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
21)	3&4-Methylphenol	3.775	108	598101	86.01	ppb		96
22)	n-Nitroso-di-n-propyla...	3.748	70	476278	85.02	ppb		99
23)	Hexachloroethane	3.834	201	253339	80.28	ppb		96
26)	Nitrobenzene	3.919	77	716958	81.56	ppb		99
27)	Quinoline	5.078	129	1363810	84.17	ppb		99
28)	Isophorone	4.170	82	1209246	83.15	ppb		100
29)	2-Nitrophenol	4.256	139	391121	89.56	ppb		96
30)	2,4-Dimethylphenol	4.336	107	680669	88.73	ppb		99
31)	Benzoic Acid	4.544	105	568898m	91.92	ppb		
32)	bis(2-Chloroethoxy)met...	4.416	93	627602	82.05	ppb		98
33)	2,4-Dichlorophenol	4.534	162	567513	86.43	ppb		99
34)	2,6-Dichlorophenol	4.779	162	583179	87.70	ppb		99
35)	1,3,5-Trichlorobenzene	4.261	180	696911	86.29	ppb		99
36)	1,2,4-Trichlorobenzene	4.603	180	637805	83.74	ppb		96
37)	1,2,3-Trichlorobenzene	4.854	180	653610	85.51	ppb		99
38)	Naphthalene	4.683	128	1996064	84.28	ppb		99
39)	4-Chloroaniline	4.774	127	857689	85.67	ppb		99
40)	2,3-Dichloroaniline	5.821	161	738226	84.19	ppb		99
41)	Caprolactam	5.201	55	318174	78.39	ppb		99
42)	Hexachlorobutadiene	4.838	225	411959	84.52	ppb		98
43)	4-Chloro-3-methylphenol	5.383	107	641886	85.99	ppb	#	40
44)	2-Methylnaphthalene	5.479	141	1217195	85.50	ppb		98
45)	1-Methylnaphthalene	5.591	141	1189488	82.66	ppb		96
46)	Dimethylnaphthalene	6.216	156	1308414	85.79	ppb		99
48)	Hexachlorocyclopentadiene	5.671	237	804768	158.91	ppb		99
49)	2,4,6-Trichlorophenol	5.842	196	435089	84.88	ppb		98
50)	2,4,5-Trichlorophenol	5.896	196	474297	84.07	ppb		96
52)	2-Chloronaphthalene	6.045	162	1425843	85.60	ppb		100
53)	Biphenyl	6.035	154	1907692	86.68	ppb		100
54)	2-Nitroaniline	6.200	65	478906	81.33	ppb		94
55)	Dimethylphthalate	6.430	163	1526195	79.63	ppb		98
56)	Acenaphthylene	6.532	152	2199284	81.95	ppb		100
57)	2,6-Dinitrotoluene	6.499	165	340122	82.81	ppb		97
58)	3-Nitroaniline	6.697	138	418558	84.80	ppb		99
59)	Acenaphthene	6.740	153	1353898	81.49	ppb		99
60)	2,4-Dinitrophenol	6.836	184	457166	166.29	ppb		90
61)	4-Nitrophenol	6.980	109	309314	88.61	ppb	#	84
62)	Dibenzofuran	6.954	168	1935591	82.17	ppb		99
63)	2,4-Dinitrotoluene	6.980	165	492010	84.54	ppb		92
64)	2,3,4,6-Tetrachlorophenol	7.130	232	400547	83.95	ppb		98
65)	Diethylphthalate	7.285	149	1754275	84.39	ppb		100
66)	Fluorene	7.360	166	1645003	85.20	ppb		100
67)	4-Chlorophenyl-phenyle...	7.376	204	742682	84.90	ppb		97
68)	4-Nitroaniline	7.445	138	406100	84.58	ppb		96
70)	4,6-Dinitro-2-methylph...	7.477	198	297405	89.75	ppb		97
71)	n-Nitrosodiphenylamine	7.536	169	1053057	87.22	ppb		100
72)	1,2-Diphenylhydrazine	7.568	77	1671540	87.52	ppb		99
74)	4-Bromophenyl-phenylether	7.958	248	455473	89.32	ppb		98
75)	Hexachlorobenzene	8.027	284	555591	87.19	ppb		99
76)	Pentachlorophenol	8.289	266	675478	162.11	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 15:21:40 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:15 2014
Response via : Initial Calibration

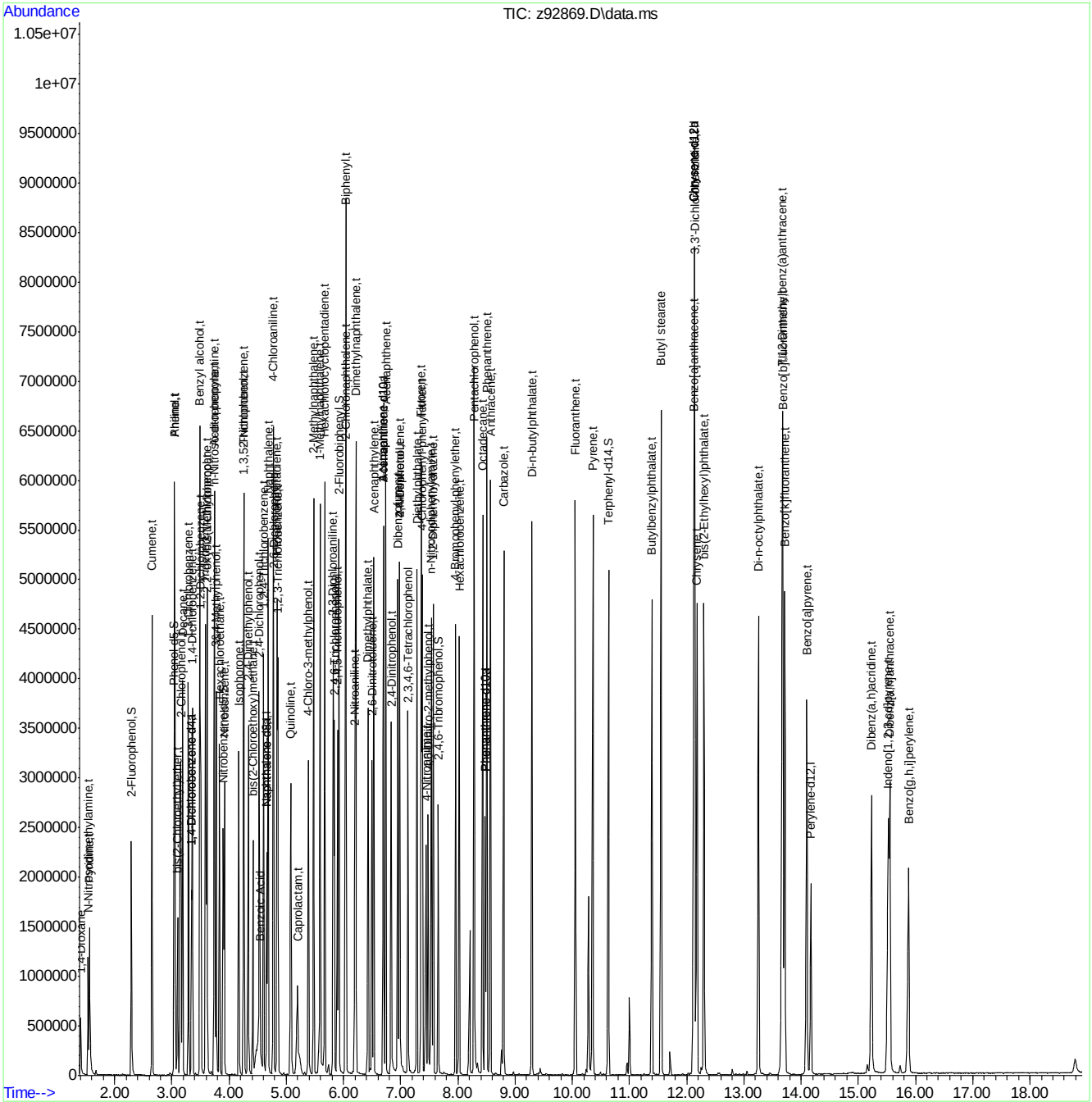
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	Phenanthrene	8.508	178	2357945	86.24	ppb	99
78)	Anthracene	8.572	178	2335009	85.99	ppb	100
79)	Carbazole	8.802	167	2195286	86.45	ppb	100
80)	Di-n-butylphthalate	9.293	149	2989694	89.49	ppb	100
81)	Fluoranthene	10.052	202	2684093	89.94	ppb	100
82)	Octadecane	8.433	57	990216	85.27	ppb	97
84)	Pyrene	10.362	202	2739813	77.38	ppb	99
85)	Butyl stearate	11.553	56	1019739	76.57	ppb	98
87)	Butylbenzylphthalate	11.393	149	1331219	75.99	ppb	100
88)	Benzo[a]anthracene	12.125	228	2483317	73.04	ppb	99
89)	3,3'-Dichlorobenzidine	12.141	252	1066274	81.28	ppb	100
90)	Chrysene	12.184	228	2102563	73.81	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.301	149	1630473	74.88	ppb	99
93)	Di-n-octylphthalate	13.252	149	2979312	92.80	ppb	98
94)	Benzo[b]fluoranthene	13.679	252	2538602	99.28	ppb	99
95)	Benzo[k]fluoranthene	13.717	252	2071241	89.82	ppb	99
96)	Benzo[a]pyrene	14.102	252	1905321	88.85	ppb	99
97)	Indeno[1,2,3-cd]pyrene	15.523	276	2064782	91.45	ppb	99
98)	Dibenz(a,h)acridine	15.234	279	1596347	92.75	ppb	99
99)	Dibenz[a,h]anthracene	15.555	278	1686214	94.37	ppb	99
100)	7,12-Dimethylbenz(a)an...	13.674	256	1168363	77.01	ppb	98
101)	Benzo[g,h,i]perylene	15.880	276	1482659	85.48	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 15:21:40 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:15 2014
Response via : Initial Calibration



Manual Integration Approval Summary

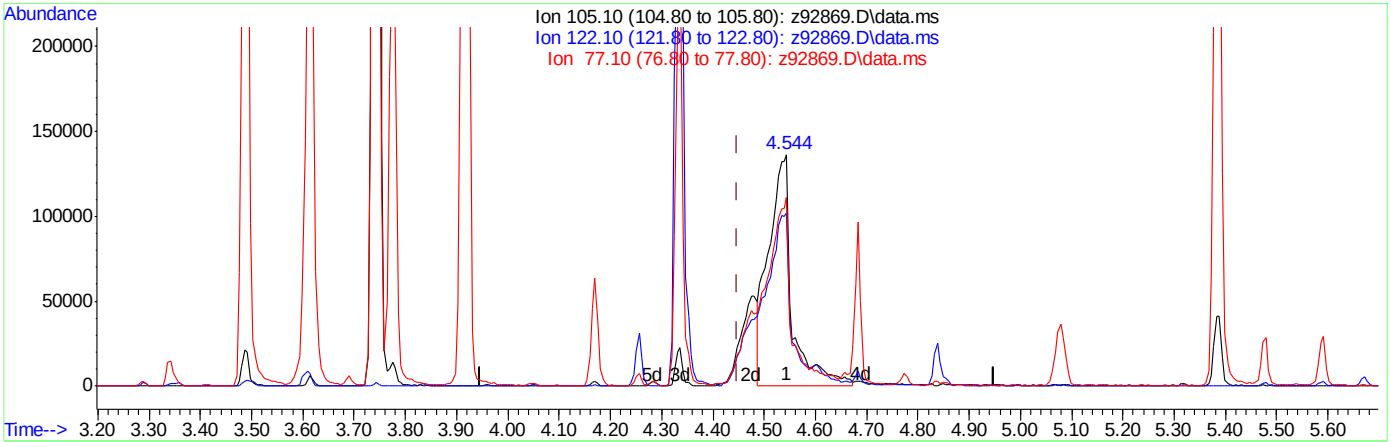
Sample Number:	EZ4615-IC4615	**Method:**	SW846 8270D
Lab FileID:	Z92869.D	**Analyst approved:**	06/25/14 16:02 Ashley Royal
Injection Time:	06/24/14 15:02	**Supervisor approved:**	06/27/14 13:21 Nina Pandya

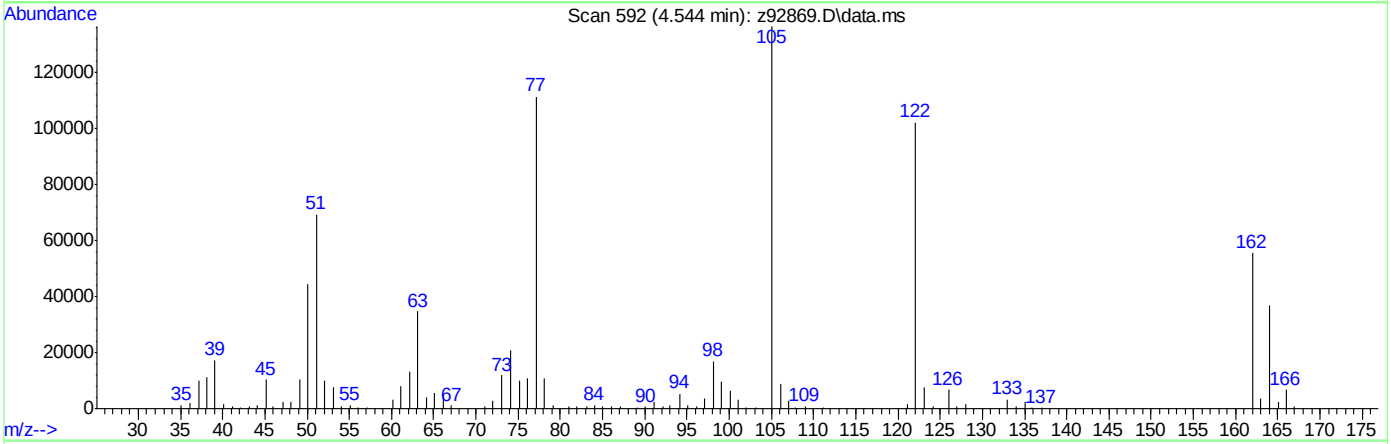
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.54	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		13.72	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 24 15:25:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 14:54:10 2014
Response via : Initial Calibration





TIC: z92869.D\data.ms

(31) Benzoic Acid

4.544min (+0.096) 85.47ppb

response 444717

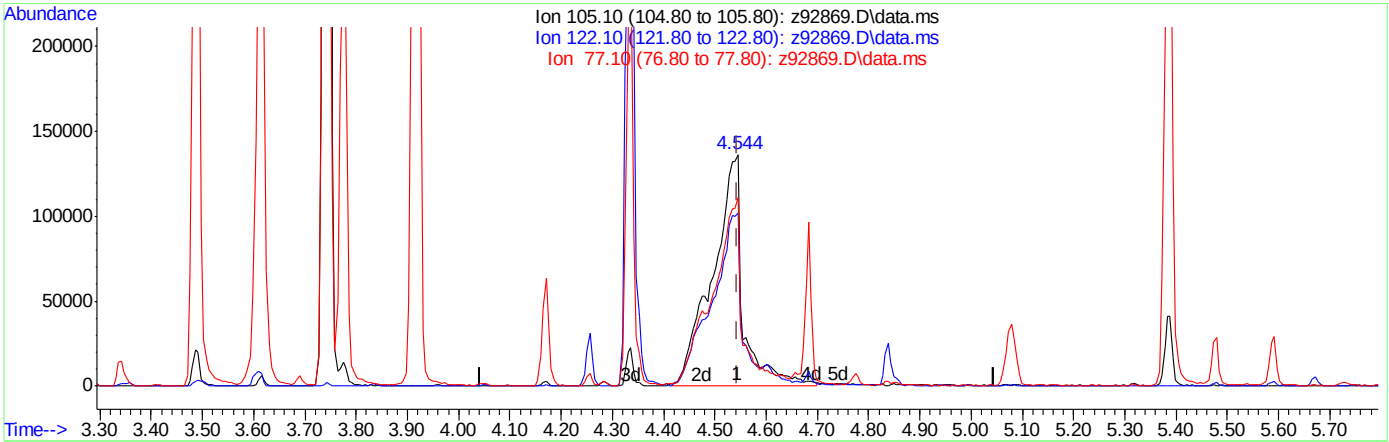
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	92.28#
77.10	35.20	79.81#
0.00	0.00	0.00

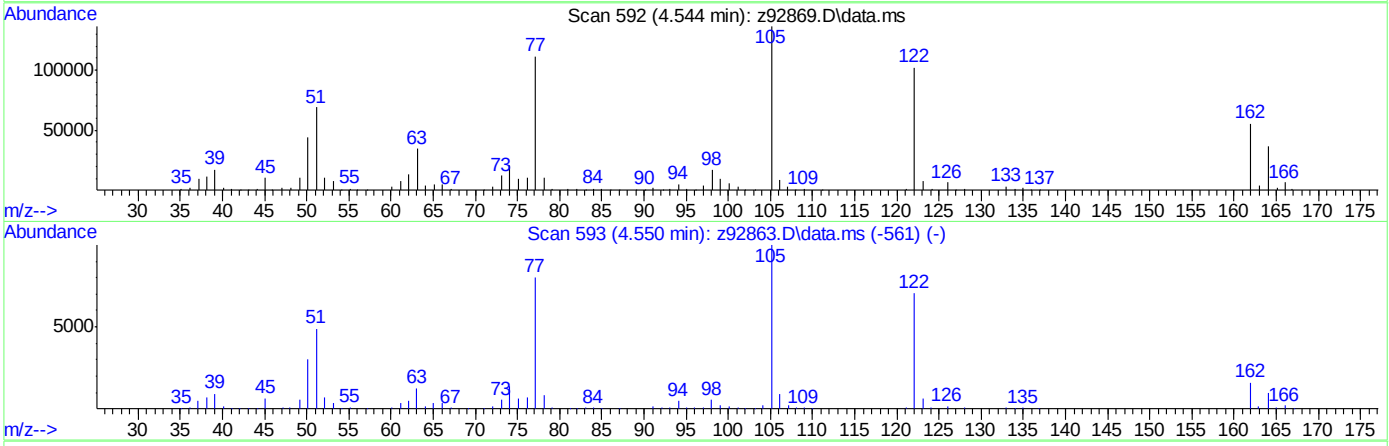
Z92869.D edits: Benzoic Acid

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92869.D
Acq On : 24 Jun 2014 3:02 pm
Operator : ashleyv
Sample : ic4615-80
Misc : op75490,ez4615
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 15:21:18 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:15 2014
Response via : Initial Calibration





TIC: z92869.D\data.ms

(31) Benzoic Acid

4.544min (0.000) 91.92ppb m

response 568898

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	72.14
77.10	35.20	62.39#
0.00	0.00	0.00

Z92869.D edits: Benzoic Acid

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92870.D
Acq On : 24 Jun 2014 3:28 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 15:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	286207	40.00	ppb	0.00
24) Naphthalene-d8	4.656	136	1103775	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	645852	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	1055408	40.00	ppb	0.00
83) Chrysene-d12	12.130	240	1075658	40.00	ppb	0.00
92) Perylene-d12	14.166	264	665808	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	286207	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	1055408	40.00	ppb	0.00
107) Chrysene-d12a	12.130	240	1075658	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	645852	40.00	ppb	0.00
112) Naphthalene-d8a	4.656	136	1103775	40.00	ppb	0.00
114) Chrysene-d12b	12.130	240	1075658	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	1.569	79	302011	50.83	ppb	97
4) N-Nitrosodimethylamine	1.542	74	185494	54.13	ppb	97
11) bis(2-Chloroethyl)ether	3.091	93	380953	48.96	ppb	95
14) 1,3-Dichlorobenzene	3.289	146	522962	47.46	ppb	99
15) 1,4-Dichlorobenzene	3.358	146	537066	46.91	ppb	98
16) Benzyl alcohol	3.486	108	299759	46.59	ppb	95
17) 1,2-Dichlorobenzene	3.502	146	513155	47.45	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.604	121	142719	45.05	ppb	91
22) n-Nitroso-di-n-propyla...	3.738	70	323767	44.45	ppb	95
23) Hexachloroethane	3.834	201	194041	47.29	ppb	93
26) Nitrobenzene	3.914	77	514913	48.77	ppb	97
28) Isophorone	4.160	82	834078	47.75	ppb	100
32) bis(2-Chloroethoxy)met...	4.411	93	472826	51.46	ppb	98
36) 1,2,4-Trichlorobenzene	4.603	180	459235	50.20	ppb	98
38) Naphthalene	4.678	128	1402806	49.31	ppb	99
42) Hexachlorobutadiene	4.833	225	283500	48.42	ppb	98
44) 2-Methylnaphthalene	5.474	141	801318	46.86	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92870.D
Acq On : 24 Jun 2014 3:28 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 15:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

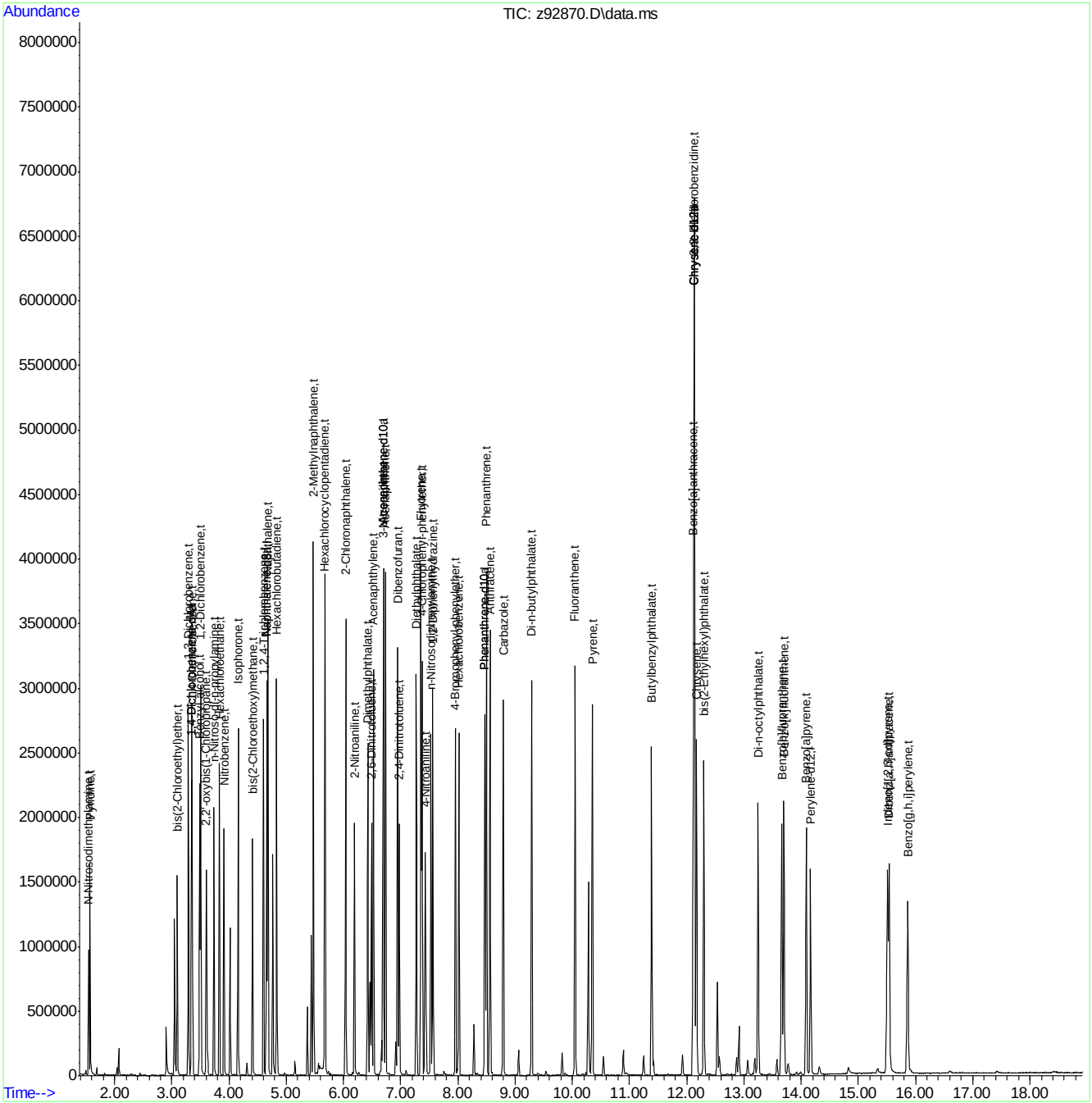
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48)	Hexachlorocyclopentadiene	5.671	237	186378	46.94	ppb	94
52)	2-Chloronaphthalene	6.040	162	872299	49.82	ppb	99
54)	2-Nitroaniline	6.195	65	301146	48.66	ppb	98
55)	Dimethylphthalate	6.430	163	1010839	50.18	ppb	100
56)	Acenaphthylene	6.526	152	1206947	42.78	ppb	100
57)	2,6-Dinitrotoluene	6.494	165	206379	47.80	ppb	95
58)	3-Nitroaniline	6.692	138	235403	45.37	ppb	98
59)	Acenaphthene	6.735	153	894475	51.22	ppb	98
62)	Dibenzofuran	6.948	168	1219098	49.24	ppb	94
63)	2,4-Dinitrotoluene	6.975	165	275018	44.96	ppb	93
65)	Diethylphthalate	7.274	149	1083428	49.59	ppb	98
66)	Fluorene	7.354	166	1019796	50.25	ppb	98
67)	4-Chlorophenyl-phenyle...	7.376	204	463634	50.42	ppb	98
68)	4-Nitroaniline	7.429	138	235655	46.69	ppb	93
71)	n-Nitrosodiphenylamine	7.531	169	637646	50.06	ppb	99
72)	1,2-Diphenylhydrazine	7.563	77	1005226	49.89	ppb	97
74)	4-Bromophenyl-phenylether	7.958	248	275260	51.17	ppb	97
75)	Hexachlorobenzene	8.022	284	310707	46.22	ppb	94
77)	Phenanthrene	8.503	178	1397163	48.44	ppb	100
78)	Anthracene	8.567	178	1396153	48.73	ppb	100
79)	Carbazole	8.797	167	1234703	46.09	ppb	98
80)	Di-n-butylphthalate	9.288	149	1637134	46.45	ppb	99
81)	Fluoranthene	10.047	202	1408641	44.74	ppb	99
84)	Pyrene	10.357	202	1379303	45.40	ppb	99
87)	Butylbenzylphthalate	11.388	149	682078	45.38	ppb	98
88)	Benzo[a]anthracene	12.120	228	1273406	43.66	ppb	98
89)	3,3'-Dichlorobenzidine	12.136	252	803867	71.43	ppb	99
90)	Chrysene	12.173	228	1105220	45.22	ppb	100
91)	bis(2-Ethylhexyl)phtha...	12.296	149	819568	43.87	ppb	97
93)	Di-n-octylphthalate	13.247	149	1259730	46.84	ppb	96
94)	Benzo[b]fluoranthene	13.663	252	983271	45.90	ppb	96
95)	Benzo[k]fluoranthene	13.701	252	928334	48.04	ppb	99
96)	Benzo[a]pyrene	14.091	252	928562	51.69	ppb	98
97)	Indeno[1,2,3-cd]pyrene	15.512	276	1120710	59.25	ppb	99
99)	Dibenz[a,h]anthracene	15.539	278	892502	59.63	ppb	97
101)	Benzo[g,h,i]perylene	15.864	276	858014	59.05	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92870.D
Acq On : 24 Jun 2014 3:28 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 15:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92871a.D
Acq On : 24 Jun 2014 3:56 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 09:43:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.337	152	185344	40.00	ppb		0.00
24) Naphthalene-d8	4.656	136	708026	40.00	ppb		0.00
47) Acenaphthene-d10	6.697	164	430973	40.00	ppb		0.00
69) Phenanthrene-d10	8.471	188	745125	40.00	ppb		0.00
83) Chrysene-d12	12.125	240	686766	40.00	ppb		0.00
92) Perylene-d12	14.160	264	584337	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.337	152	185344	40.00	ppb		0.00
104) Phenanthrene-d10a	8.471	188	745125	40.00	ppb		0.00
107) Chrysene-d12a	12.125	240	686766	40.00	ppb		0.00
110) Acenaphthene-d10a	6.697	164	430973	40.00	ppb		0.00
112) Naphthalene-d8a	4.656	136	708026	40.00	ppb		0.00
114) Chrysene-d12b	12.125	240	686766	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%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	3.043	94	348679	45.05	ppb		84
12) 2-Chlorophenol	3.155	128	320401	51.26	ppb		98
19) 2-Methylphenol	3.604	108	271826	49.37	ppb		98
21) 3&4-Methylphenol	3.764	108	284197	48.53	ppb		94
29) 2-Nitrophenol	4.250	139	180502	53.65	ppb		82
30) 2,4-Dimethylphenol	4.325	107	355499	60.15	ppb		98
31) Benzoic Acid	4.491	105	218926	46.38	ppb	#	71
33) 2,4-Dichlorophenol	4.523	162	275968	54.55	ppb		98
34) 2,6-Dichlorophenol	4.769	162	272187	53.12	ppb		99
43) 4-Chloro-3-methylphenol	5.367	107	302917	52.67	ppb		88
49) 2,4,6-Trichlorophenol	5.832	196	202703	56.38	ppb		100
50) 2,4,5-Trichlorophenol	5.880	196	217558	54.98	ppb		98
61) 4-Nitrophenol	6.970	109	125459	51.05	ppb		91
64) 2,3,4,6-Tetrachlorophenol	7.119	232	176745	52.81	ppb		93
70) 4,6-Dinitro-2-methylph...	7.461	198	110768	44.88	ppb		97
76) Pentachlorophenol	8.278	266	128174	48.03	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92871a.D
Acq On : 24 Jun 2014 3:56 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 09:43:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

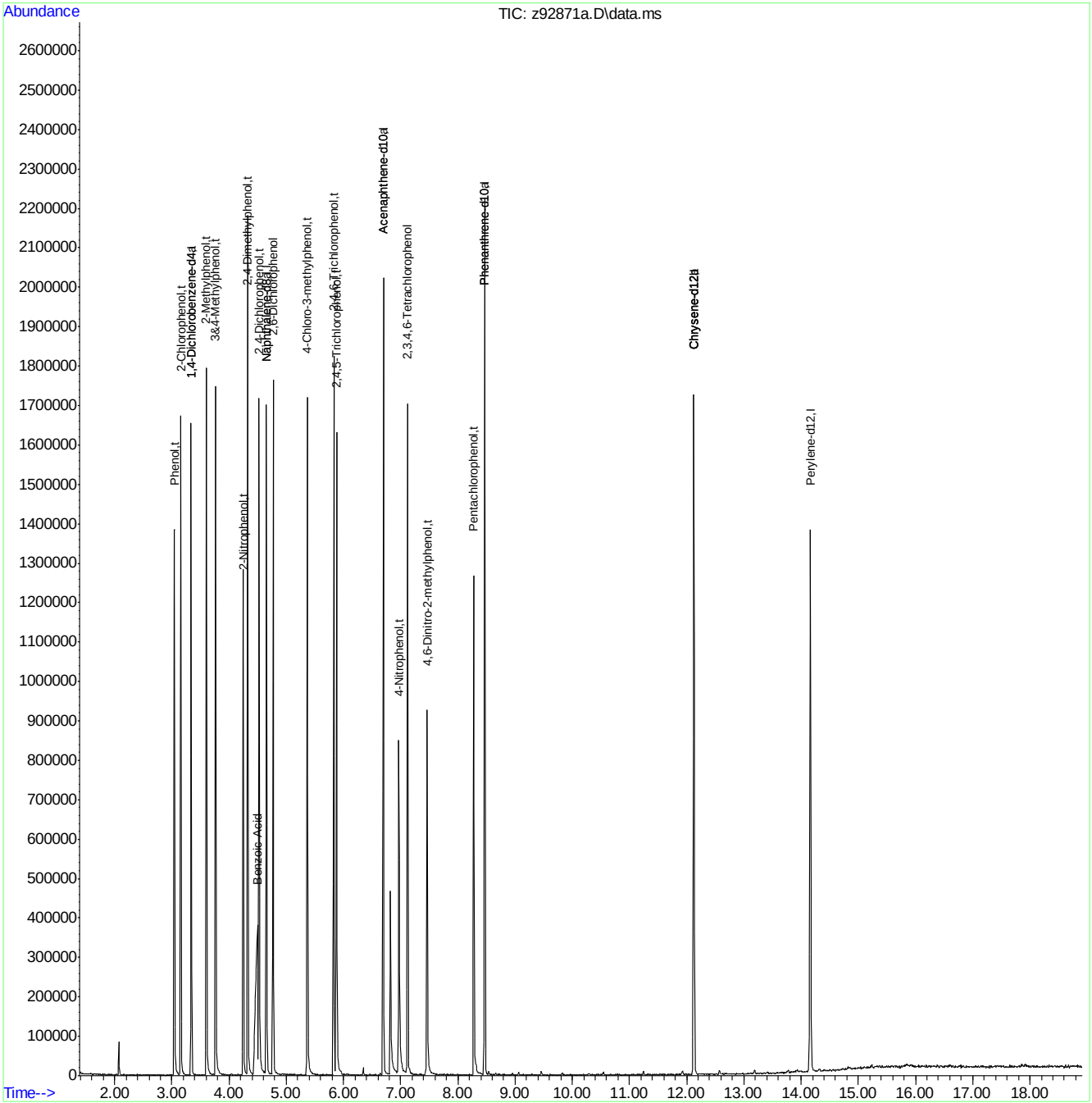
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92871a.D
Acq On : 24 Jun 2014 3:56 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 09:43:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92872.D
Acq On : 24 Jun 2014 4:23 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 09:54:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

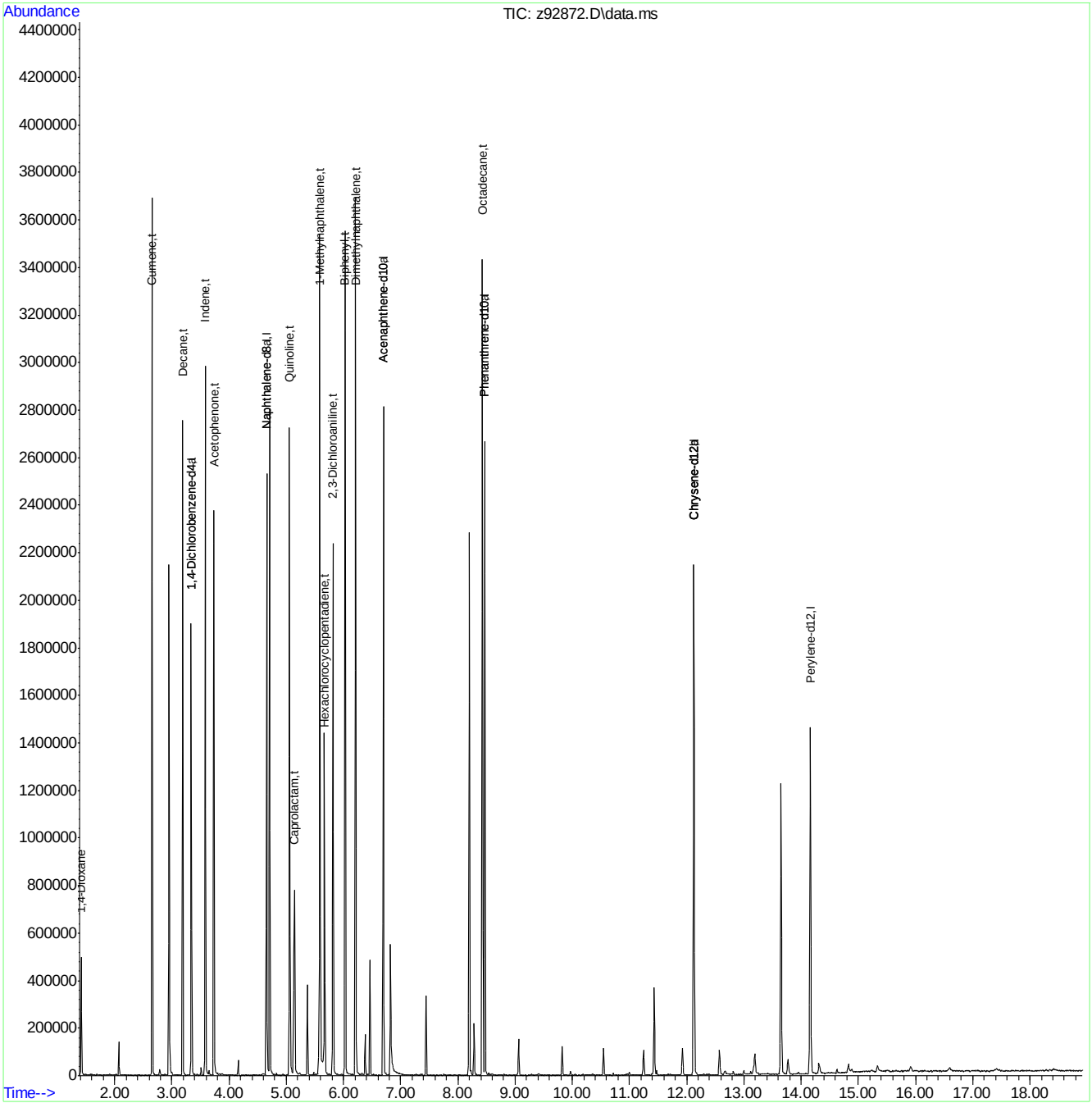
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	241897	40.00	ppb	0.00
24) Naphthalene-d8	4.657	136	950282	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	542238	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	904372	40.00	ppb	0.00
83) Chrysene-d12	12.125	240	854220	40.00	ppb	0.00
92) Perylene-d12	14.160	264	620614	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	241897	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	904372	40.00	ppb	0.00
107) Chrysene-d12a	12.125	240	854220	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	542238	40.00	ppb	0.00
112) Naphthalene-d8a	4.657	136	950282	40.00	ppb	0.00
114) Chrysene-d12b	12.125	240	854220	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.419	88	93541	59.07	ppb	96
6) Indene	3.588	116	704848	50.93	ppb	97
7) Cumene	2.653	105	960370	50.55	ppb	99
13) Decane	3.187	43	434994	47.74	ppb	95
18) Acetophenone	3.738	105	578401	47.46	ppb	99
27) Quinoline	5.057	129	814608	48.62	ppb	99
40) 2,3-Dichloroaniline	5.821	161	397179	43.80	ppb	98
41) Caprolactam	5.143	55	179293	42.72	ppb	97
45) 1-Methylnaphthalene	5.586	141	706888	47.50	ppb	96
46) Dimethylnaphthalene	6.211	156	764123	48.45	ppb	98
48) Hexachlorocyclopentadiene	5.672	237	186769	54.04	ppb	97
53) Biphenyl	6.030	154	1031492	53.11	ppb	98
82) Octadecane	8.428	57	557912	53.15	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92872.D
Acq On : 24 Jun 2014 4:23 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 09:54:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



MZ4615.M Wed Jun 25 09:54:38 2014 RTE Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92873.D
Acq On : 24 Jun 2014 4:49 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 10:06:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:40:33 2014
Response via : Initial Calibration

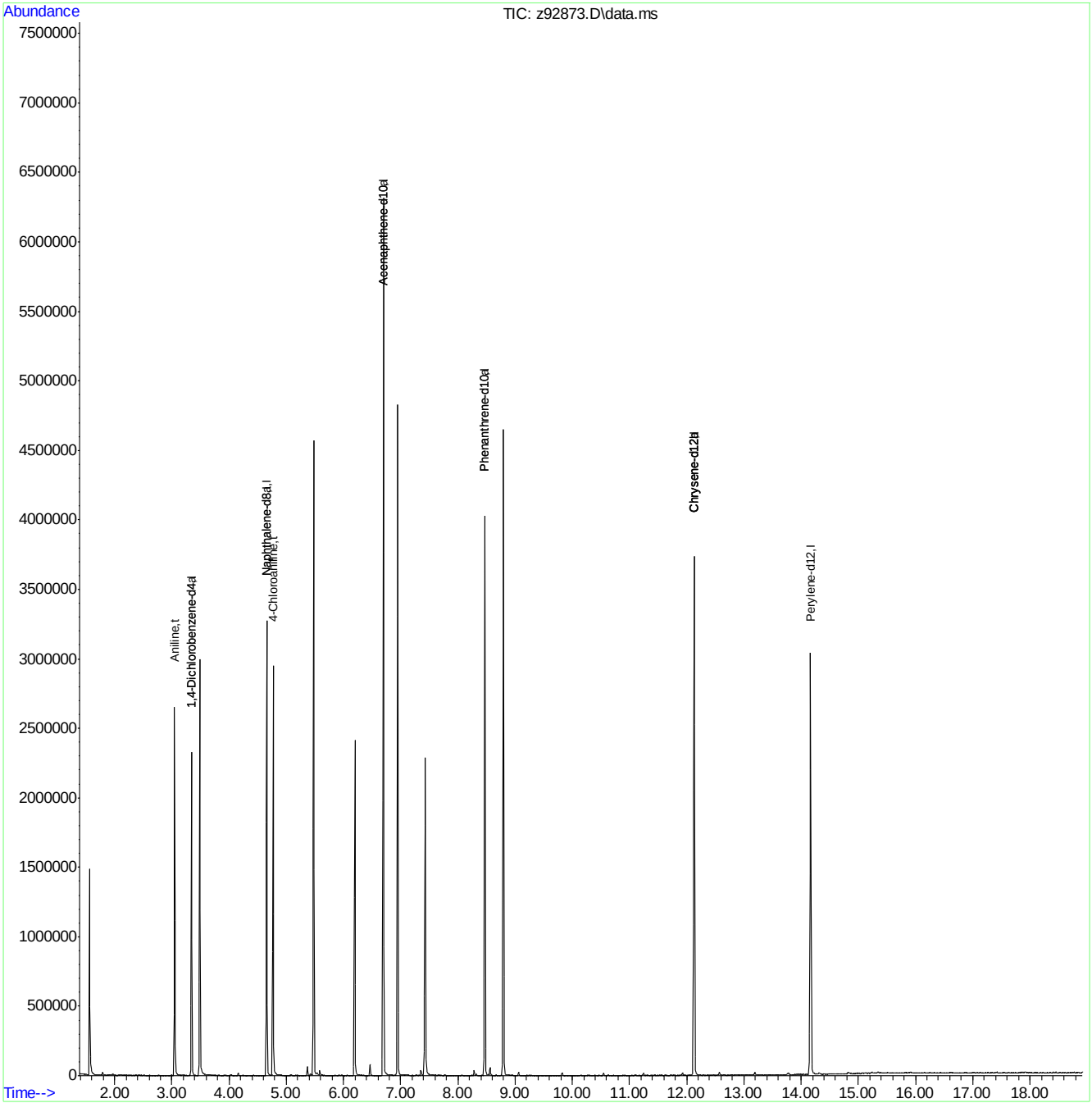
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	282345	40.00	ppb	0.00
24) Naphthalene-d8	4.657	136	1225424	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	837598	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	1488314	40.00	ppb	0.00
83) Chrysene-d12	12.130	240	1598196	40.00	ppb	0.00
92) Perylene-d12	14.171	264	1366222	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	282345	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	1488314	40.00	ppb	0.00
107) Chrysene-d12a	12.130	240	1598196	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	837598	40.00	ppb	0.00
112) Naphthalene-d8a	4.657	136	1225424	40.00	ppb	0.00
114) Chrysene-d12b	12.130	240	1598196	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	3.049	93	686366	54.97	ppb	# 54
39) 4-Chloroaniline	4.769	127	689063	51.62	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92873.D
Acq On : 24 Jun 2014 4:49 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 10:06:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 24 16:40:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92874.D
Acq On : 24 Jun 2014 5:16 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 10:07:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

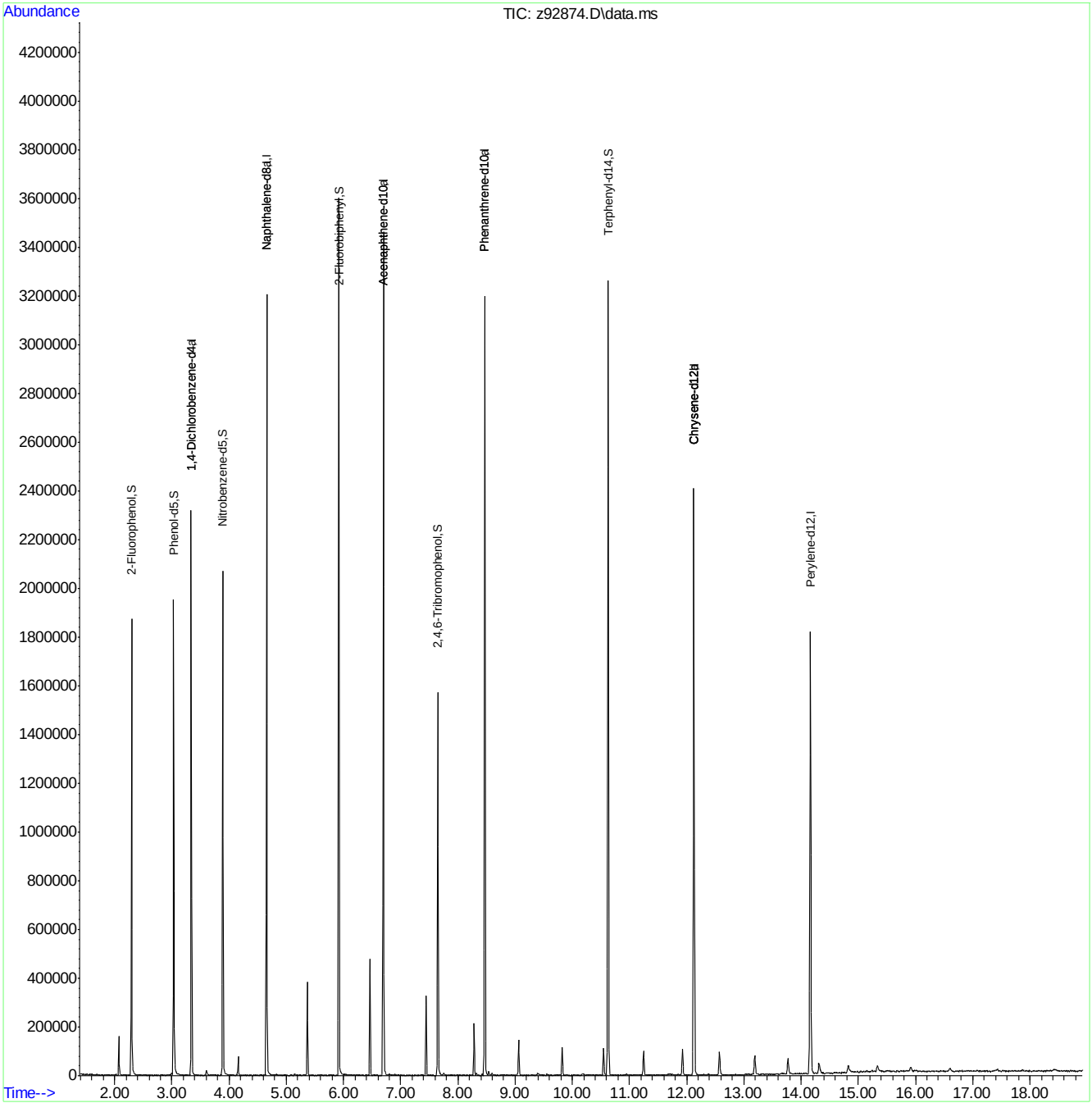
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	293305	40.00	ppb	0.00
24) Naphthalene-d8	4.657	136	1149440	40.00	ppb	0.00
47) Acenaphthene-d10	6.697	164	670419	40.00	ppb	0.00
69) Phenanthrene-d10	8.471	188	1136516	40.00	ppb	0.00
83) Chrysene-d12	12.125	240	994853	40.00	ppb	0.00
92) Perylene-d12	14.160	264	817244	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	293305	40.00	ppb	0.00
104) Phenanthrene-d10a	8.471	188	1136516	40.00	ppb	0.00
107) Chrysene-d12a	12.125	240	994853	40.00	ppb	0.00
110) Acenaphthene-d10a	6.697	164	670419	40.00	ppb	0.00
112) Naphthalene-d8a	4.657	136	1149440	40.00	ppb	0.00
114) Chrysene-d12b	12.125	240	994853	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.295	112	355752	47.66	ppb	0.00
Spiked Amount 50.000			Recovery = 95.32%			
8) Phenol-d5	3.033	99	456386	43.23	ppb	0.00
Spiked Amount 50.000			Recovery = 86.46%			
25) Nitrobenzene-d5	3.893	82	512507	48.86	ppb	0.00
Spiked Amount 50.000			Recovery = 97.72%			
51) 2-Fluorobiphenyl	5.923	172	996090	50.58	ppb	0.00
Spiked Amount 50.000			Recovery = 101.16%			
73) 2,4,6-Tribromophenol	7.648	330	145729	45.98	ppb	0.00
Spiked Amount 50.000			Recovery = 91.96%			
86) Terphenyl-d14	10.629	244	1056537	55.81	ppb	0.00
Spiked Amount 50.000			Recovery = 111.62%			
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92874.D
Acq On : 24 Jun 2014 5:16 pm
Operator : ashleyv
Sample : icv4615-50
Misc : op75490,ez4615
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 10:07:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92878.D
Acq On : 24 Jun 2014 5:43 pm
Operator : ashleyv
Sample : icv4615-100
Misc : op75490,ez4615
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 10:53:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration

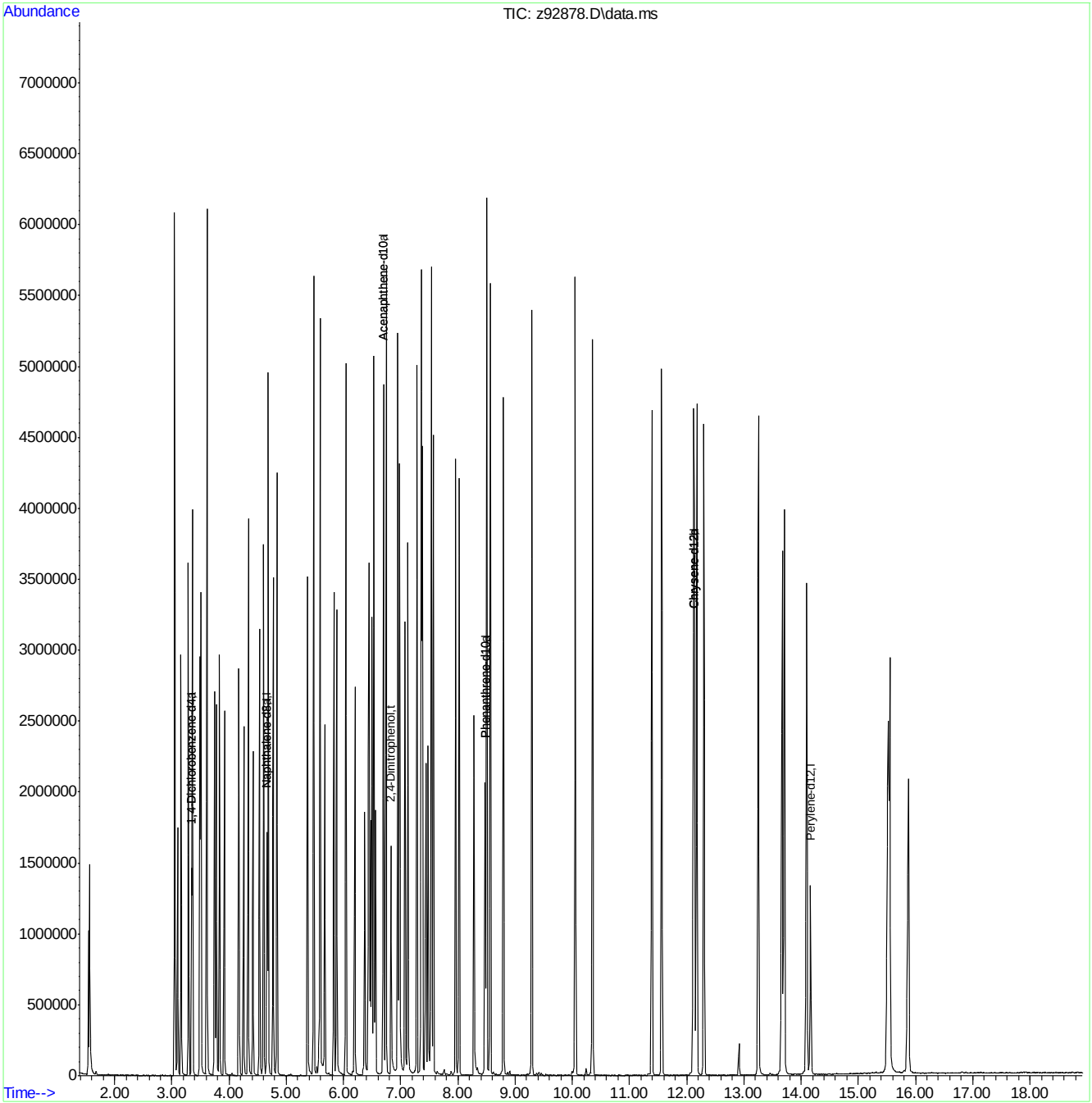
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.342	152	162423	40.00	ppb	0.00
24) Naphthalene-d8	4.662	136	637751	40.00	ppb	0.00
47) Acenaphthene-d10	6.702	164	445880	40.00	ppb	0.00
69) Phenanthrene-d10	8.476	188	767846	40.00	ppb	0.00
83) Chrysene-d12	12.136	240	785578	40.00	ppb	0.00
92) Perylene-d12	14.166	264	554174	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.342	152	162423	40.00	ppb	0.00
104) Phenanthrene-d10a	8.476	188	767846	40.00	ppb	0.00
107) Chrysene-d12a	12.136	240	785578	40.00	ppb	0.00
110) Acenaphthene-d10a	6.702	164	445880	40.00	ppb	0.00
112) Naphthalene-d8a	4.662	136	637751	40.00	ppb	0.00
114) Chrysene-d12b	12.136	240	785578	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%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
60) 2,4-Dinitrophenol	6.831	184	183991	95.40	ppb	82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4615\
Data File : z92878.D
Acq On : 24 Jun 2014 5:43 pm
Operator : ashleyv
Sample : icv4615-100
Misc : op75490,ez4615
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 10:53:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 09:02:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/30/14 14:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:05:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.287	152	223188	40.00	ppb	-0.06
24) Naphthalene-d8	4.601	136	895174	40.00	ppb	-0.06
47) Acenaphthene-d10	6.636	164	550063	40.00	ppb	-0.06
69) Phenanthrene-d10	8.410	188	901467	40.00	ppb	-0.07
83) Chrysene-d12	12.053	240	901516	40.00	ppb	-0.08
92) Perylene-d12	14.083	264	574812	40.00	ppb	-0.09
102) 1,4-Dichlorobenzene-d4a	3.287	152	223188	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.410	188	901467	40.00	ppb	-0.07
106) Chrysene-d12a	12.053	240	901516	40.00	ppb	-0.08
108) Acenaphthene-d10a	6.636	164	550063	40.00	ppb	-0.06
110) Naphthalene-d8a	4.601	136	895174	40.00	ppb	-0.06
112) Chrysene-d12b	12.053	240	901516	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	2.250	112	290644	51.17	ppb	-0.04
Spiked Amount 50.000			Recovery = 102.34%			
8) Phenol-d5	2.982	99	395881	49.29	ppb	-0.06
Spiked Amount 50.000			Recovery = 98.58%			
25) Nitrobenzene-d5	3.837	82	418394	51.21	ppb	-0.06
Spiked Amount 50.000			Recovery = 102.42%			
51) 2-Fluorobiphenyl	5.862	172	825024	51.06	ppb	-0.06
Spiked Amount 50.000			Recovery = 102.12%			
73) 2,4,6-Tribromophenol	7.593	330	141405	56.25	ppb	-0.06
Spiked Amount 50.000			Recovery = 112.50%			
86) Terphenyl-d14	10.552	244	840383	48.99	ppb	-0.08
Spiked Amount 50.000			Recovery = 97.98%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.380	88	84085	59.85	ppb	98
3) Pyridine	1.529	79	227218	49.04	ppb	92
4) N-Nitrosodimethylamine	1.502	74	130544	48.85	ppb	77
6) Indene	3.532	116	611083	47.86	ppb	98
7) Cumene	2.603	105	886348	50.57	ppb	97
9) Phenol	2.993	94	452611	48.56	ppb	71
10) Aniline	2.993	93	476848	48.31	ppb	98
11) bis(2-Chloroethyl)ether	3.046	93	284106	46.83	ppb	96
12) 2-Chlorophenol	3.105	128	368065	48.90	ppb	96
13) Decane	3.137	43	433979	51.62	ppb	98
14) 1,3-Dichlorobenzene	3.233	146	425815	49.55	ppb	98
15) 1,4-Dichlorobenzene	3.303	146	447813	50.15	ppb	97
16) Benzyl alcohol	3.431	108	245518	48.94	ppb	84
17) 1,2-Dichlorobenzene	3.447	146	419848	49.78	ppb	96
18) Acetophenone	3.687	105	546953	48.64	ppb	95
19) 2-Methylphenol	3.559	108	324480	48.94	ppb	100
20) 2,2'-oxybis(1-Chloropr...	3.554	121	114360	46.29	ppb	89
21) 3&4-Methylphenol	3.719	108	342002	48.50	ppb	97
22) n-Nitroso-di-n-propyla...	3.687	70	268022	47.19	ppb	90
23) Hexachloroethane	3.778	201	155171	48.50	ppb	94
26) Nitrobenzene	3.858	77	434614	50.75	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:05:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Quinoline	5.007	129	767034	48.59	ppb	99
28) Isophorone	4.109	82	692135	48.86	ppb	98
29) 2-Nitrophenol	4.195	139	221649	52.10	ppb	91
30) 2,4-Dimethylphenol	4.275	107	385168	51.54	ppb	98
31) Benzoic Acid	4.435	105	206259m	34.20	ppb	
32) bis(2-Chloroethoxy)met...	4.355	93	361581	48.53	ppb	99
33) 2,4-Dichlorophenol	4.473	162	321869	50.32	ppb	97
34) 2,6-Dichlorophenol	4.718	162	332683	51.36	ppb	98
35) 1,3,5-Trichlorobenzene	4.200	180	398069	50.60	ppb	99
36) 1,2,4-Trichlorobenzene	4.542	180	375919	50.67	ppb	99
37) 1,2,3-Trichlorobenzene	4.793	180	383750	51.54	ppb	99
38) Naphthalene	4.622	128	1143195	49.55	ppb	99
39) 4-Chloroaniline	4.713	127	486565	49.89	ppb	99
40) 2,3-Dichloroaniline	5.760	161	417418	48.87	ppb	99
41) Caprolactam	5.119	55	182755	46.22	ppb	98
42) Hexachlorobutadiene	4.777	225	242330	51.04	ppb	98
43) 4-Chloro-3-methylphenol	5.322	107	371386	51.07	ppb	97
44) 2-Methylnaphthalene	5.418	141	679909	49.03	ppb	95
45) 1-Methylnaphthalene	5.525	141	697035	49.72	ppb	97
46) Dimethylnaphthalene	6.155	156	731810	49.26	ppb	100
48) Hexachlorocyclopentadiene	5.611	237	393380	97.78	ppb	99
49) 2,4,6-Trichlorophenol	5.776	196	245530	53.51	ppb	97
50) 2,4,5-Trichlorophenol	5.830	196	260382	51.55	ppb	99
52) 2-Chloronaphthalene	5.985	162	786759	52.76	ppb	97
53) Biphenyl	5.974	154	1037465	52.66	ppb	99
54) 2-Nitroaniline	6.139	65	276285	52.41	ppb	99
55) Dimethylphthalate	6.369	163	852400	49.68	ppb	99
56) Acenaphthylene	6.465	152	1218070	50.70	ppb	99
57) 2,6-Dinitrotoluene	6.433	165	188082	51.15	ppb	90
58) 3-Nitroaniline	6.631	138	225690	51.08	ppb	90
59) Acenaphthene	6.674	153	746353	50.18	ppb	99
60) 2,4-Dinitrophenol	6.770	184	151074	65.88	ppb	83
61) 4-Nitrophenol	6.925	109	155569	49.78	ppb	93
62) Dibenzofuran	6.887	168	1050373	49.81	ppb	94
63) 2,4-Dinitrotoluene	6.919	165	267587	51.36	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.064	232	221414	51.84	ppb	96
65) Diethylphthalate	7.219	149	963260	51.76	ppb	98
66) Fluorene	7.293	166	890117	51.50	ppb	100
67) 4-Chlorophenyl-phenyle...	7.315	204	397821	50.80	ppb	98
68) 4-Nitroaniline	7.368	138	215047	50.03	ppb	88
70) 4,6-Dinitro-2-methylph...	7.411	198	122209	40.93	ppb	96
71) n-Nitrosodiphenylamine	7.470	169	575813	52.93	ppb	99
72) 1,2-Diphenylhydrazine	7.502	77	938554	54.54	ppb	96
74) 4-Bromophenyl-phenylether	7.897	248	245218	53.37	ppb	98
75) Hexachlorobenzene	7.961	284	293095	51.05	ppb	98
76) Pentachlorophenol	8.223	266	325748	92.54	ppb	97
77) Phenanthrene	8.437	178	1234792	50.12	ppb	99
78) Anthracene	8.501	178	1245447	50.90	ppb	99
79) Carbazole	8.730	167	1157212	50.57	ppb	99
80) Di-n-butylphthalate	9.227	149	1563122	51.92	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:05:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	9.975	202	1307368	48.62	ppb	97
82) Octadecane	8.373	57	553240	52.87	ppb	94
84) Pyrene	10.280	202	1330952	52.28	ppb	99
85) Butyl stearate	11.476	56	497926	51.99	ppb	94
87) Butylbenzylphthalate	11.316	149	646101	51.29	ppb	100
88) Benzo[a]anthracene	12.037	228	1140364	46.65	ppb	99
89) 3,3'-Dichlorobenzidine	12.053	252	456072	48.35	ppb	98
90) Chrysene	12.091	228	980050	47.85	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.224	149	772473	49.34	ppb	99
93) Di-n-octylphthalate	13.175	149	1307771	56.33	ppb	97
94) Benzo[b]fluoranthene	13.581	252	1074927	58.13	ppb	97
95) Benzo[k]fluoranthene	13.619	252	856646	51.35	ppb	99
96) Benzo[a]pyrene	14.003	252	801751	51.70	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.414	276	817047	50.04	ppb	97
98) Dibenz(a,h)acridine	15.136	279	628002	50.45	ppb	99
99) Dibenz[a,h]anthracene	15.440	278	672081	52.01	ppb	99
100) 7,12-Dimethylbenz(a)an...	13.581	256	493390	47.09	ppb	98
101) Benzo[g,h,i]perylene	15.755	276	630479	50.26	ppb	99

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

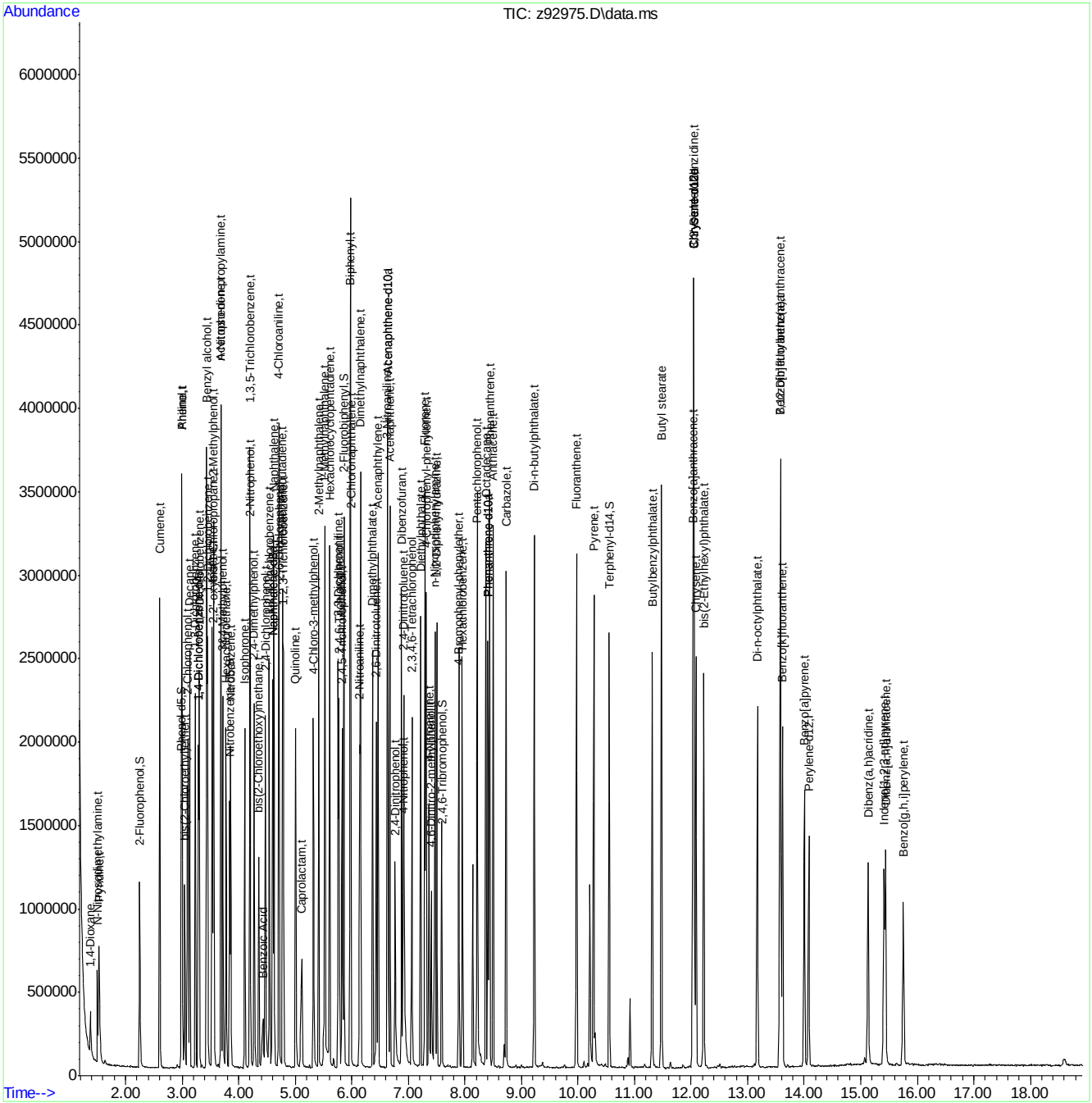
9.6.207

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:05:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

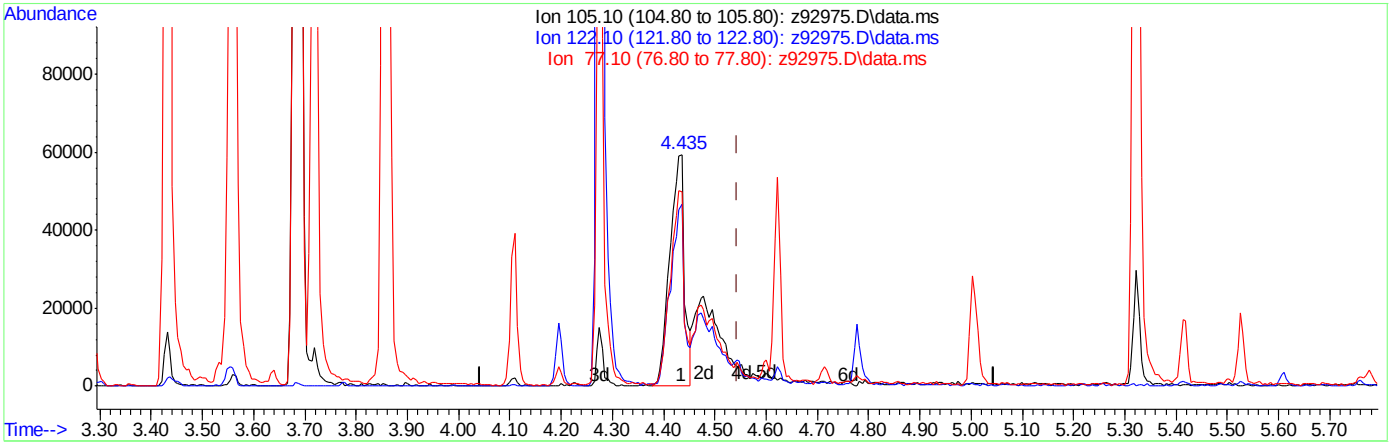
Sample Number:	EZ4620-CC4615	**Method:**	SW846 8270D
Lab FileID:	Z92975.D	**Analyst approved:**	06/30/14 14:10 Saumil Patel
Injection Time:	06/27/14 10:20	**Supervisor approved:**	06/30/14 14:13 Nina Pandya

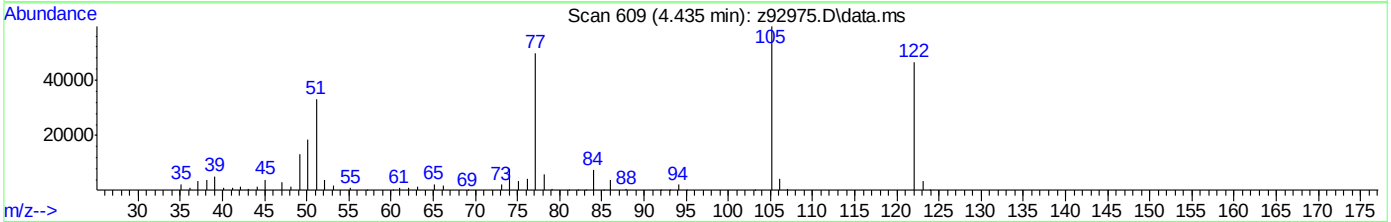
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.44	Poor instrument integration

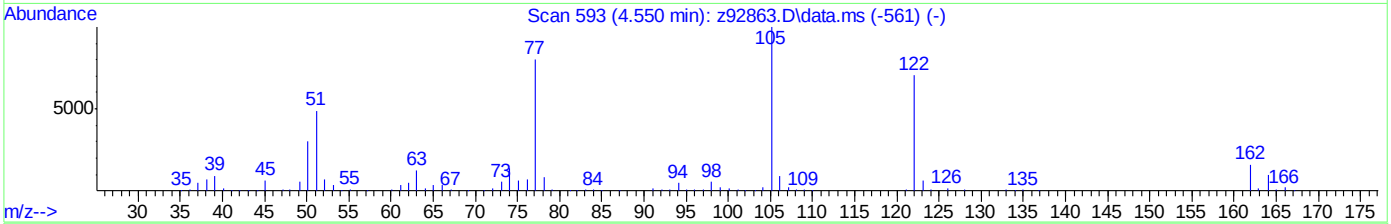
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:03:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration







TIC: z92975.D\data.ms

(31) Benzoic Acid

4.435min (-0.109) 19.47ppb

response 117424

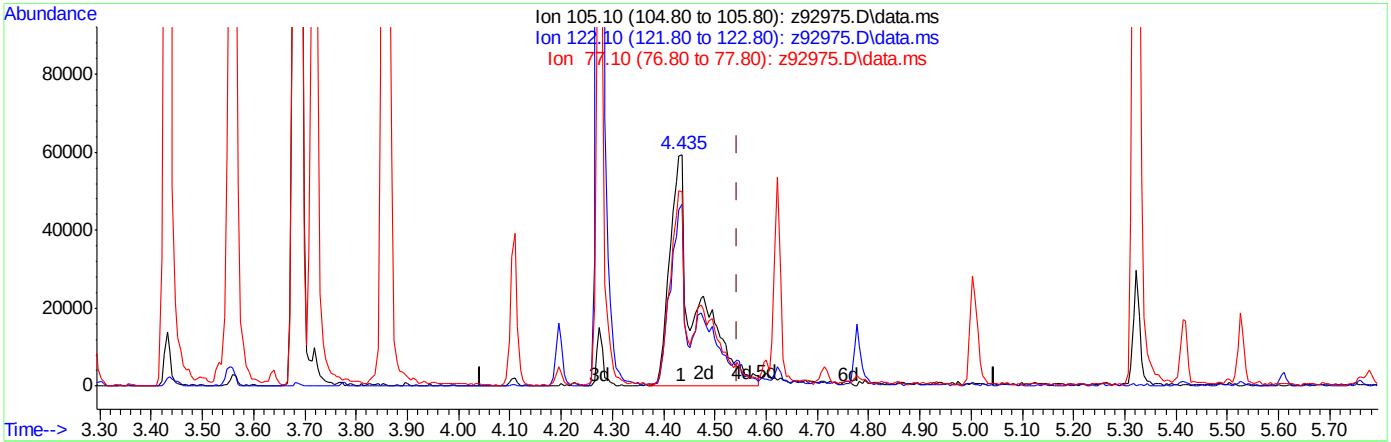
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	74.11
77.10	35.20	79.80#
0.00	0.00	0.00

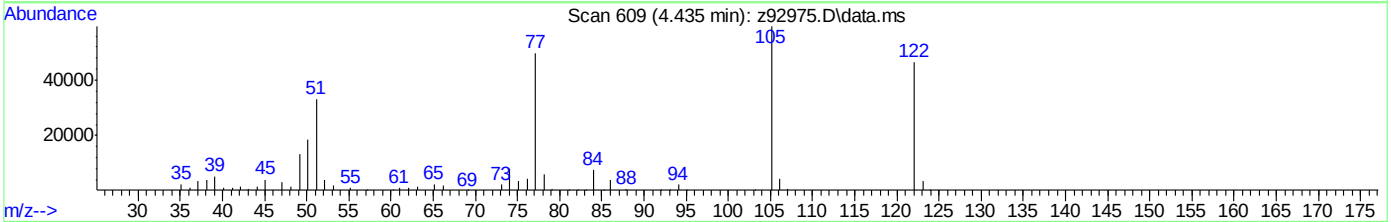
ACCUTEST LABORATORIES JB69123

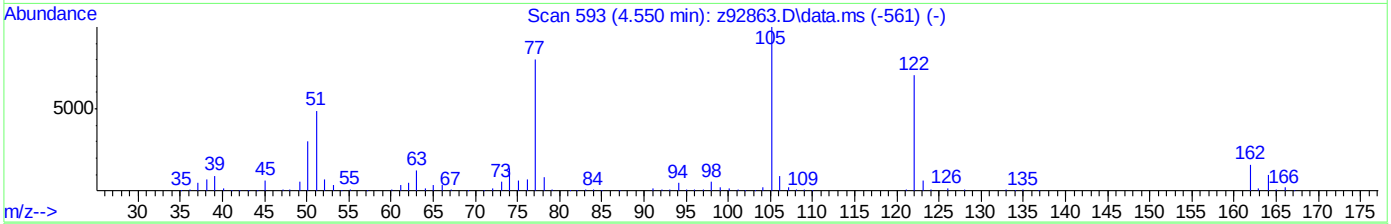
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92975.D
Acq On : 27 Jun 2014 10:20 am
Operator : ashleyd
Sample : cc4615-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:03:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration







TIC: z92975.D\data.ms

(31) Benzoic Acid

4.435min (-0.109) 34.20ppb m

response 206259

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	42.19#
77.10	35.20	45.43
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92976.D
Acq On : 27 Jun 2014 10:58 am
Operator : ashleyd
Sample : cc4614-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:29:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 29 17:29:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.286	152	207931	40.00	ppb	0.00
24) Naphthalene-d8	4.595	136	821224	40.00	ppb	0.00
47) Acenaphthene-d10	6.636	164	512221	40.00	ppb	0.00
69) Phenanthrene-d10	8.404	188	839308	40.00	ppb	0.00
83) Chrysene-d12	12.042	240	826691	40.00	ppb	-0.09
92) Perylene-d12	14.078	264	663836	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.286	152	207931	40.00	ppb	0.00
104) Phenanthrene-d10a	8.404	188	839308	40.00	ppb	0.00
106) Chrysene-d12a	12.042	240	826691	40.00	ppb	0.00
108) Acenaphthene-d10a	6.636	164	512221	40.00	ppb	0.00
110) Naphthalene-d8a	4.595	136	821224	40.00	ppb	0.00
112) Chrysene-d12b	12.042	240	826691	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	2.896	105	239391	41.42	ppb	# 81
105) Atrazine	8.143	215	105325	46.43	ppb	# 85
107) Benzidine	10.210	184	632364	47.08	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.616	216	321304	42.48	ppb	97
111) Hydroquinone	5.167	110	292473	47.51	ppb	87

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

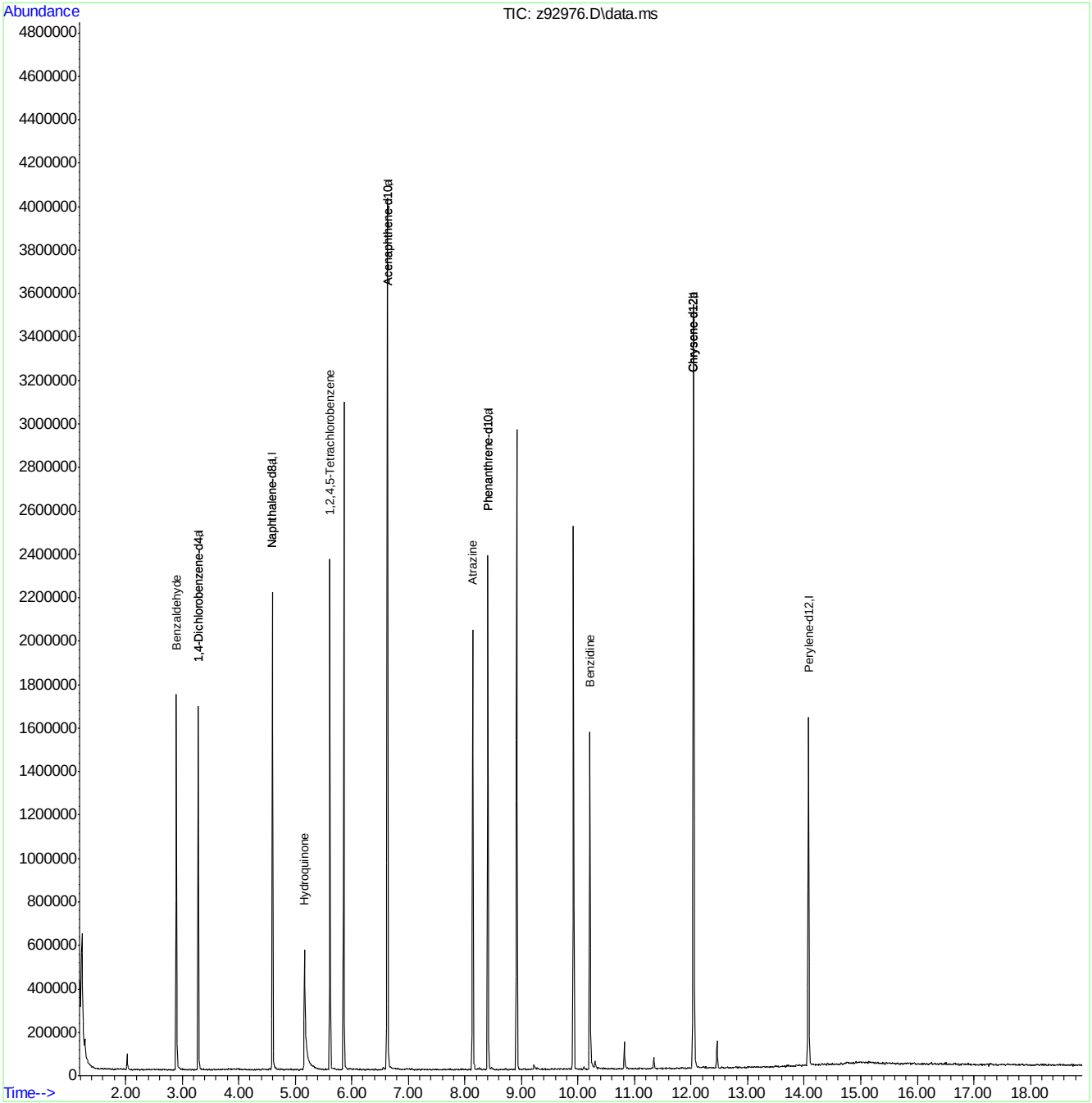
9.6.208

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4620\
Data File : z92976.D
Acq On : 27 Jun 2014 10:58 am
Operator : ashleyd
Sample : cc4614-50
Misc : op75490,ez4620,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:29:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 29 17:29:30 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/30/14 14:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:07:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.287	152	203287	40.00	ppb		-0.06
24) Naphthalene-d8	4.595	136	778678	40.00	ppb		-0.06
47) Acenaphthene-d10	6.631	164	471375	40.00	ppb		-0.07
69) Phenanthrene-d10	8.404	188	777801	40.00	ppb		-0.07
83) Chrysene-d12	12.042	240	793595	40.00	ppb		-0.09
92) Perylene-d12	14.073	264	629670	40.00	ppb		-0.10
102) 1,4-Dichlorobenzene-d4a	3.287	152	203287	40.00	ppb		-0.06
104) Phenanthrene-d10a	8.404	188	777801	40.00	ppb		-0.07
106) Chrysene-d12a	12.042	240	793595	40.00	ppb		-0.09
108) Acenaphthene-d10a	6.631	164	471375	40.00	ppb		-0.07
110) Naphthalene-d8a	4.595	136	778678	40.00	ppb		-0.06
112) Chrysene-d12b	12.042	240	793595	40.00	ppb		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	2.250	112	129583	25.05	ppb		-0.04
Spiked Amount 50.000			Recovery = 50.10%				
8) Phenol-d5	2.982	99	173398	23.70	ppb		-0.06
Spiked Amount 50.000			Recovery = 47.40%				
25) Nitrobenzene-d5	3.837	82	182122	25.63	ppb		-0.06
Spiked Amount 50.000			Recovery = 51.26%				
51) 2-Fluorobiphenyl	5.856	172	348339	25.15	ppb		-0.07
Spiked Amount 50.000			Recovery = 50.30%				
73) 2,4,6-Tribromophenol	7.587	330	55015	25.36	ppb		-0.07
Spiked Amount 50.000			Recovery = 50.72%				
86) Terphenyl-d14	10.547	244	392463	25.99	ppb		-0.09
Spiked Amount 50.000			Recovery = 51.98%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.379	88	53882	42.10	ppb		96
3) Pyridine	1.529	79	132983	31.51	ppb		97
4) N-Nitrosodimethylamine	1.508	74	76047	31.24	ppb		90
6) Indene	3.532	116	269997	23.22	ppb		99
7) Cumene	2.603	105	403614	25.28	ppb		97
9) Phenol	2.993	94	191703	22.58	ppb	#	62
10) Aniline	2.993	93	219130	24.37	ppb		99
11) bis(2-Chloroethyl)ether	3.041	93	126063	22.81	ppb		93
12) 2-Chlorophenol	3.105	128	160724	23.44	ppb		99
13) Decane	3.137	43	195686	25.56	ppb		94
14) 1,3-Dichlorobenzene	3.233	146	186827	23.87	ppb		96
15) 1,4-Dichlorobenzene	3.303	146	198183	24.37	ppb		99
16) Benzyl alcohol	3.431	108	102049	22.33	ppb		90
17) 1,2-Dichlorobenzene	3.447	146	179484	23.37	ppb		97
18) Acetophenone	3.682	105	235333	22.98	ppb		90
19) 2-Methylphenol	3.559	108	136929	22.68	ppb		100
20) 2,2'-oxybis(1-Chloropr...	3.554	121	48730	21.65	ppb	#	74
21) 3&4-Methylphenol	3.714	108	142945	22.26	ppb		96
22) n-Nitroso-di-n-propyla...	3.687	70	114080	22.05	ppb		87
23) Hexachloroethane	3.778	201	69263	23.77	ppb		90
26) Nitrobenzene	3.853	77	192321	25.82	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:07:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Quinoline	5.001	129	322752	23.51	ppb		97
28) Isophorone	4.104	82	306327	24.86	ppb		98
29) 2-Nitrophenol	4.195	139	92625	25.03	ppb	#	75
30) 2,4-Dimethylphenol	4.270	107	165190	25.41	ppb		96
31) Benzoic Acid	4.408	105	90765m	17.30	ppb		
32) bis(2-Chloroethoxy)met...	4.355	93	156773	24.19	ppb		100
33) 2,4-Dichlorophenol	4.473	162	134071	24.10	ppb		97
34) 2,6-Dichlorophenol	4.713	162	135235	24.00	ppb		97
35) 1,3,5-Trichlorobenzene	4.200	180	171236	25.02	ppb		98
36) 1,2,4-Trichlorobenzene	4.542	180	159937	24.78	ppb		93
37) 1,2,3-Trichlorobenzene	4.788	180	157990	24.39	ppb		96
38) Naphthalene	4.617	128	476946	23.77	ppb		97
39) 4-Chloroaniline	4.708	127	202287	23.85	ppb		94
40) 2,3-Dichloroaniline	5.760	161	170287	22.92	ppb		97
41) Caprolactam	5.092	55	78627	22.86	ppb		97
42) Hexachlorobutadiene	4.777	225	102253	24.76	ppb		98
43) 4-Chloro-3-methylphenol	5.317	107	153836	24.32	ppb		87
44) 2-Methylnaphthalene	5.413	141	282798	23.44	ppb		96
45) 1-Methylnaphthalene	5.525	141	281711	23.10	ppb		94
46) Dimethylnaphthalene	6.150	156	291691	22.57	ppb		96
48) Hexachlorocyclopentadiene	5.605	237	132302	45.93	ppb		98
49) 2,4,6-Trichlorophenol	5.771	196	99029	25.18	ppb		94
50) 2,4,5-Trichlorophenol	5.824	196	104084	24.05	ppb		95
52) 2-Chloronaphthalene	5.979	162	318223	24.90	ppb		98
53) Biphenyl	5.968	154	415203	24.59	ppb		97
54) 2-Nitroaniline	6.134	65	119855	26.53	ppb		96
55) Dimethylphthalate	6.364	163	358123	24.36	ppb		98
56) Acenaphthylene	6.460	152	514097	24.97	ppb		100
57) 2,6-Dinitrotoluene	6.428	165	79253	25.15	ppb		93
58) 3-Nitroaniline	6.625	138	93537	24.70	ppb		92
59) Acenaphthene	6.668	153	312235	24.50	ppb		98
60) 2,4-Dinitrophenol	6.764	184	60460	34.56	ppb		74
61) 4-Nitrophenol	6.930	109	62767	23.44	ppb		85
62) Dibenzofuran	6.882	168	430332	23.81	ppb		91
63) 2,4-Dinitrotoluene	6.914	165	111461	24.96	ppb		89
64) 2,3,4,6-Tetrachlorophenol	7.058	232	88529	24.19	ppb		92
65) Diethylphthalate	7.213	149	398976	25.02	ppb		98
66) Fluorene	7.288	166	359729	24.29	ppb		99
67) 4-Chlorophenyl-phenyle...	7.309	204	159348	23.74	ppb		92
68) 4-Nitroaniline	7.357	138	90447	24.56	ppb		91
70) 4,6-Dinitro-2-methylph...	7.405	198	51869	20.13	ppb	#	73
71) n-Nitrosodiphenylamine	7.464	169	235368	25.07	ppb		99
72) 1,2-Diphenylhydrazine	7.496	77	398192	26.82	ppb		96
74) 4-Bromophenyl-phenylether	7.892	248	101696	25.65	ppb		98
75) Hexachlorobenzene	7.950	284	121043	24.43	ppb		86
76) Pentachlorophenol	8.212	266	118698	43.34	ppb		97
77) Phenanthrene	8.431	178	511650	24.07	ppb		99
78) Anthracene	8.495	178	519379	24.60	ppb		99
79) Carbazole	8.725	167	469574	23.78	ppb		96
80) Di-n-butylphthalate	9.222	149	651701	25.09	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:07:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	9.970	202	559099	24.10	ppb	97
82) Octadecane	8.367	57	239469	26.52	ppb	90
84) Pyrene	10.269	202	579818	25.87	ppb	98
85) Butyl stearate	11.466	56	225201	26.71	ppb	89
87) Butylbenzylphthalate	11.311	149	295213	26.62	ppb	98
88) Benzo[a]anthracene	12.026	228	506330	23.53	ppb	98
89) 3,3'-Dichlorobenzidine	12.042	252	202396	24.38	ppb	96
90) Chrysene	12.080	228	448834	24.89	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.219	149	361417	26.22	ppb	100
93) Di-n-octylphthalate	13.164	149	637203	25.05	ppb	96
94) Benzo[b]fluoranthene	13.570	252	487943	24.09	ppb	98
95) Benzo[k]fluoranthene	13.608	252	452282	24.75	ppb	97
96) Benzo[a]pyrene	13.998	252	420245	24.74	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.397	276	464602	25.97	ppb	97
98) Dibenz(a,h)acridine	15.125	279	349583	25.64	ppb	98
99) Dibenz[a,h]anthracene	15.429	278	383365	27.08	ppb	100
100) 7,12-Dimethylbenz(a)an...	13.565	256	218934	22.11	ppb	93
101) Benzo[g,h,i]perylene	15.739	276	365646	26.61	ppb	97

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

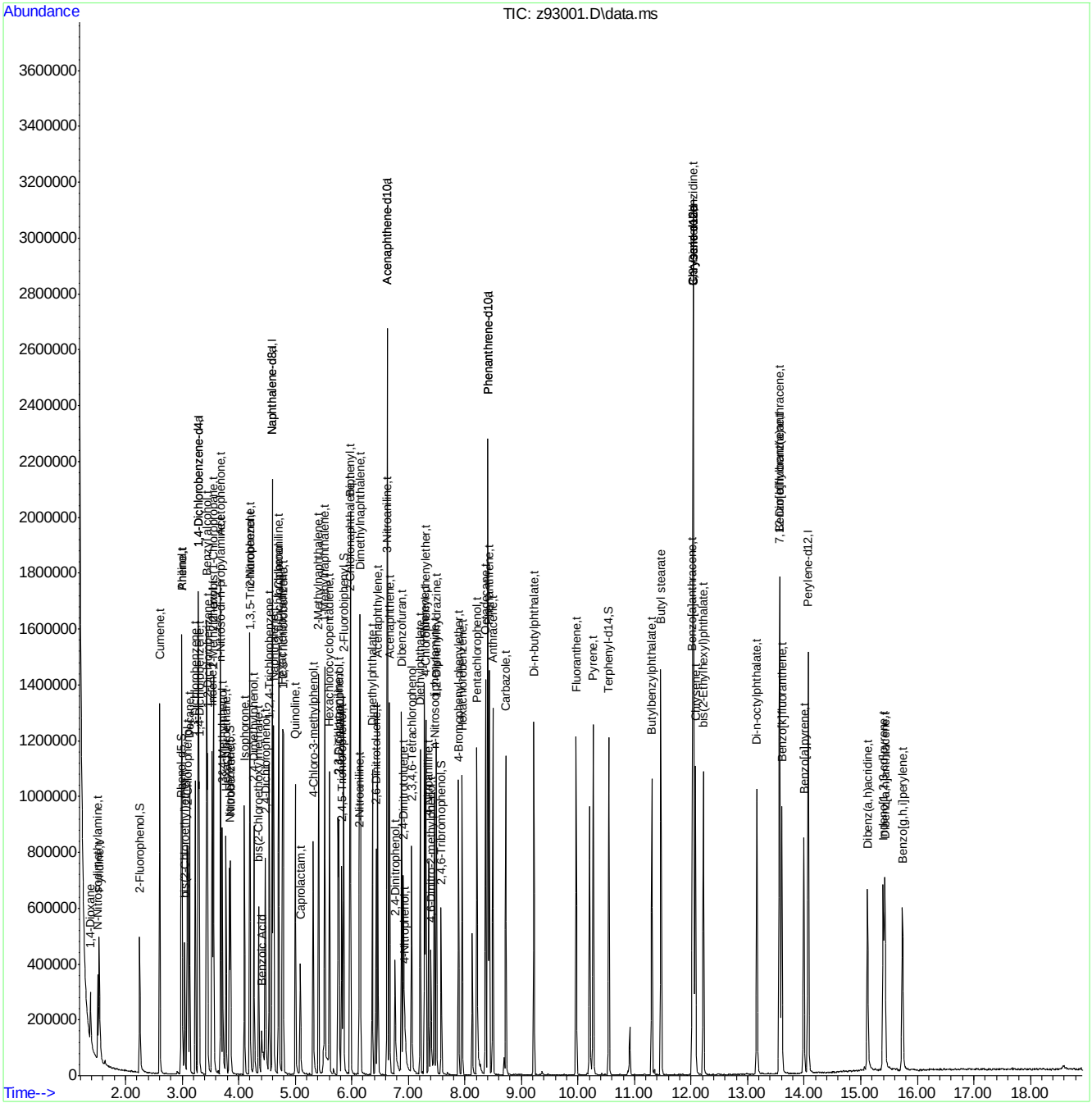
9.6.209

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:07:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69123

Manual Integration Approval Summary

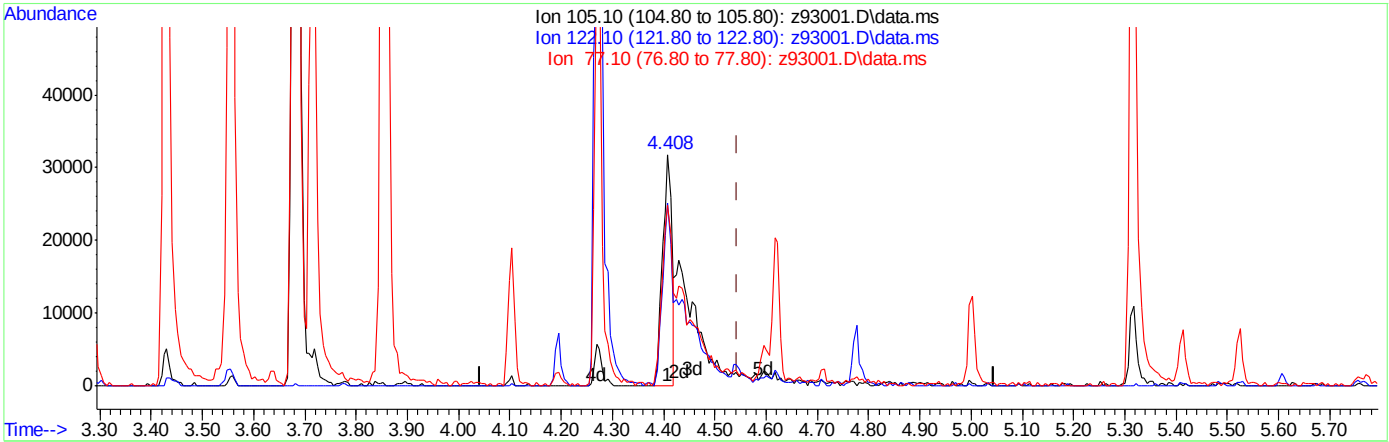
Sample Number:	EZ4621-CC4615	**Method:**	SW846 8270D
Lab FileID:	Z93001.D	**Analyst approved:**	06/30/14 14:10 Saumil Patel
Injection Time:	06/27/14 22:33	**Supervisor approved:**	06/30/14 14:13 Nina Pandya

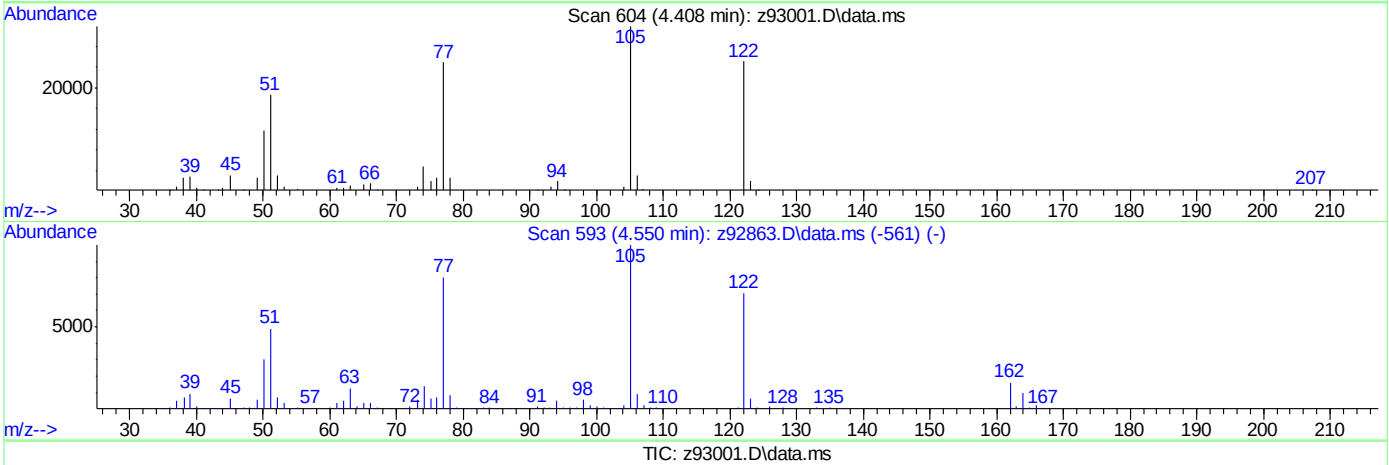
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.41	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:06:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93001.D\data.ms

(31) Benzoic Acid

4.408min (-0.136) 7.96ppb

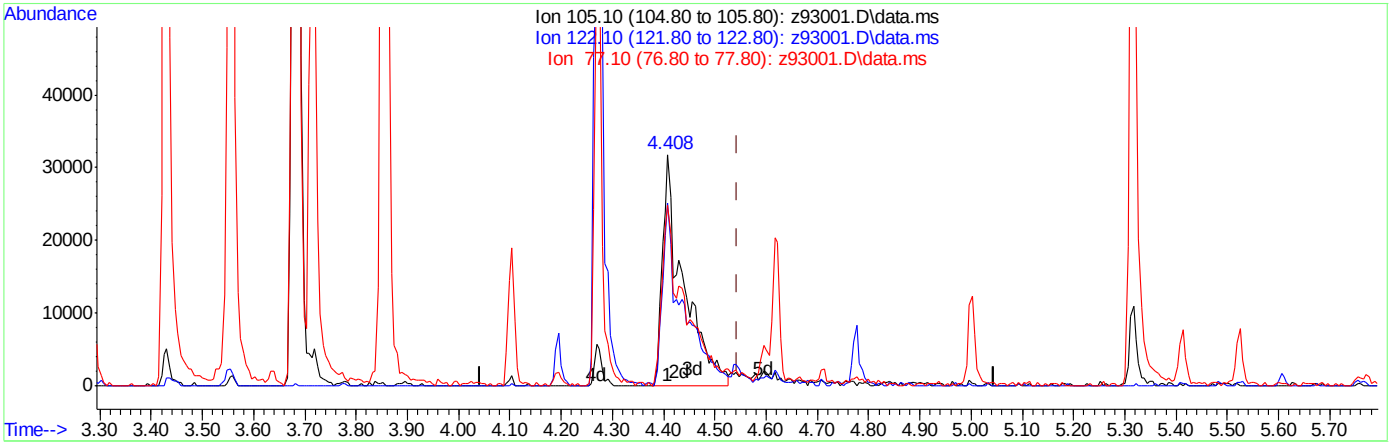
response 41754

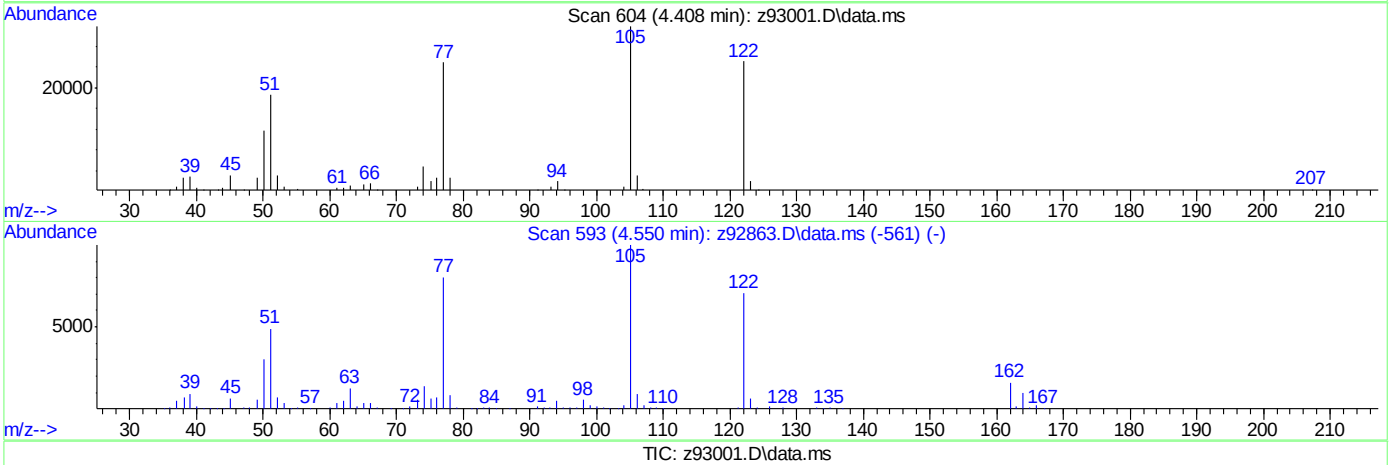
Ion	Exp%	Act%
105.10	100	100
122.10	69.00	171.11#
77.10	35.20	182.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93001.D
Acq On : 27 Jun 2014 10:33 pm
Operator : andrews1
Sample : cc4615-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:06:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 25 15:21:47 2014
Response via : Initial Calibration





TIC: z93001.D\data.ms

(31) Benzoic Acid

4.408min (-0.136) 17.30ppb m

response 90765

Ion	Exp%	Act%
105.10	100	100
122.10	69.00	78.72
77.10	35.20	83.95#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93002.D
Acq On : 27 Jun 2014 10:58 pm
Operator : andrews1
Sample : cc4616-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:56:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 29 17:56:30 2014
Response via : Initial Calibration

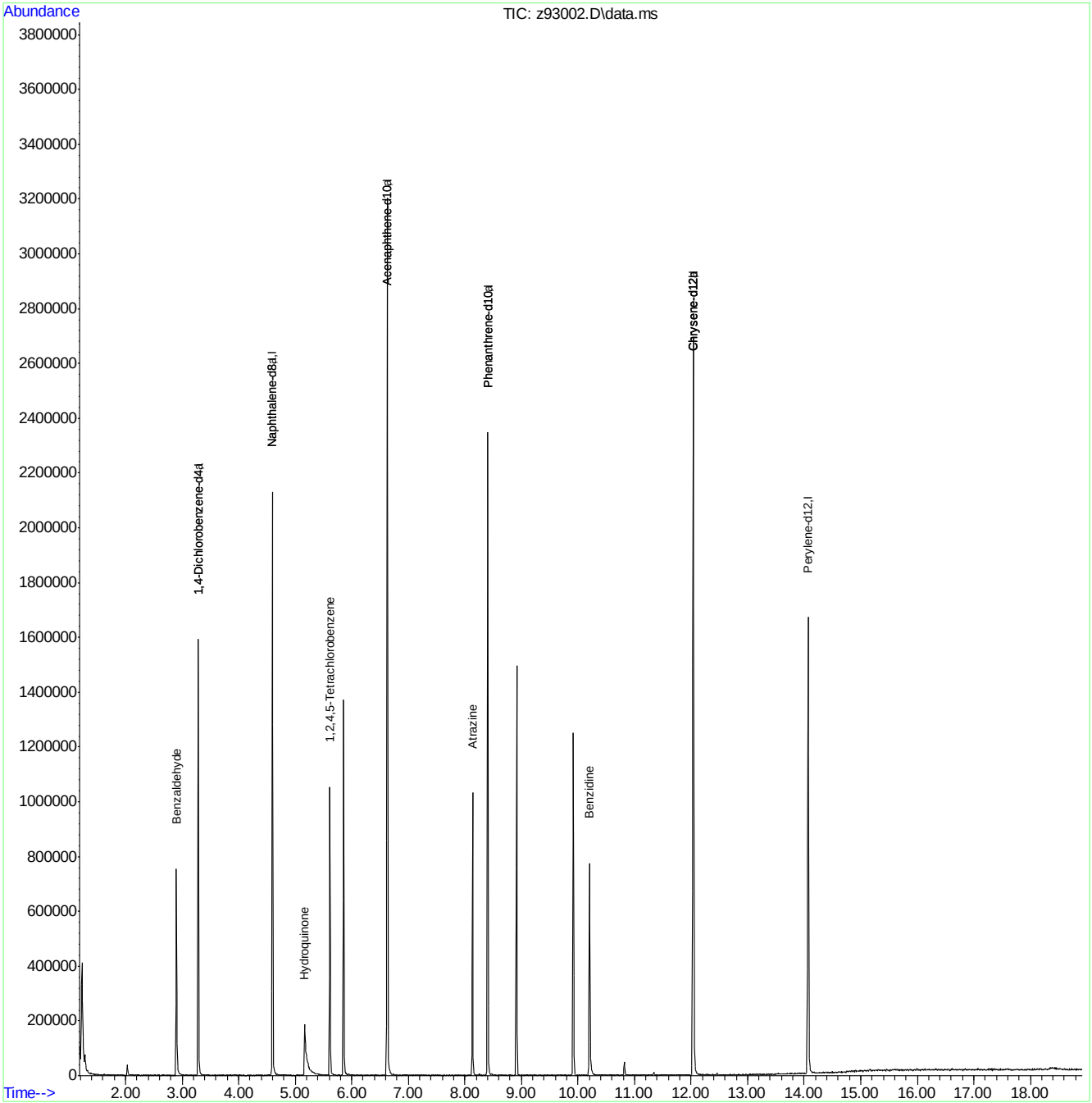
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.287	152	197085	40.00	ppb	0.00
24) Naphthalene-d8	4.596	136	773493	40.00	ppb	0.00
47) Acenaphthene-d10	6.631	164	468329	40.00	ppb	0.00
69) Phenanthrene-d10	8.405	188	798214	40.00	ppb	0.00
83) Chrysene-d12	12.037	240	805488	40.00	ppb	0.00
92) Perylene-d12	14.073	264	696049	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.287	152	197085	40.00	ppb	0.00
104) Phenanthrene-d10a	8.405	188	798214	40.00	ppb	0.00
106) Chrysene-d12a	12.037	240	805488	40.00	ppb	0.00
108) Acenaphthene-d10a	6.631	164	468329	40.00	ppb	0.00
110) Naphthalene-d8a	4.596	136	773493	40.00	ppb	0.00
112) Chrysene-d12b	12.037	240	805488	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	2.897	105	121478	22.18	ppb	# 83
105) Atrazine	8.137	215	47561	22.05	ppb	82
107) Benzidine	10.205	184	320965	24.52	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.616	216	158274	22.89	ppb	98
111) Hydroquinone	5.167	110	124940	21.55	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4621\
Data File : z93002.D
Acq On : 27 Jun 2014 10:58 pm
Operator : andrews1
Sample : cc4616-25
Misc : op75490,ez4621,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:56:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4615.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 29 17:56:30 2014
Response via : Initial Calibration



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.
SU141436	119 DFTPP	50PPM
	133A BNA	50PPM
	133B	25PPM
SU141419	29A	100 PPM
	B	80PPM
	C	10PPM

Columns: RTX5MS 30MX.25MMX.25UM

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: 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

9.7.1

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	5/4
	↓ ↓	2/4
		1/4
CL2933	IS	40/4
DK547	DCM Rev	—

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50/4
—	136 TCL42	100/4
	↓ ↓	80/4
		50/4
		25/4
		10/4

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 DA 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

9.7.2 9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2731

Date: 6-13-14

Analyst Signature: AS

Columns: RTX-5il 30m/25m/25u

Method 8270/625

Initial Cal. Method M2M2729

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621	DFTPP	50ppm

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
	2m643900A	DFTPP			W	1					Not Integ	ICV Ratios not passing Reject Rename as 1 file already exists
	91	DFTPP				1					Not Integ	ICV Ratios not passing - Reject
	92	DFTPP				1					✓	10:33pm
	93	icv2729-50		OP14-1177-112 Acid		2					✓	\
	94	icv2729-50		Aniline -61		3					✓	\

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

9.7.3

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2741

Date: 6-19-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362	119 OFTPP	50PPM
	110A BNA	50PPM
	137A TCL42	50 PPM
CH2933	IS	4000PPM
DK774M	DCM(HM)	-

Columns: RTX-5MS 30m x .25mm x .25um

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: 6-19-14

R	Data File SP 6-19-14	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2M64664	DFTPP				1					OK	10:00AM
	665	CC2729-50		BNA		2					OK	
	666	CC2730-50		TCL42		3					OK	
	667	OP 75710-MB1	75710-1	ABN1	W	4		+	-	-	OK	
	668	-BS1				5			-	-	OK	
	669	JB69185-1		114D10X		6			-	-	OK	
	670	-2				7			-	-	OK	
	671	-3				8			-	-	OK	
	672	-4				9			-	-	OK	
	673	-5				10			-	-	OK	
	674	-6				11			-	-	OK	
	2M64675	-7				12					OK	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

129

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1389

Date: 6/6/14

Analyst Signature: Sam D Patel

Columns: RTXSms1 30m x .25mm x .25 µm

Method 8270/625

Initial Cal. Method MSP1389

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621 19	DFTPP	50 ppm
SV1413621 15A	BNA	100 ppm
SV1413621 16B	BNA	1 ppm
CK2933	Internal Standard	4000 ppm
DK517	DCM (HW)	✓

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P32430 1	DFTPP			W	1					not using	↑PCP tailing – Reinstall
	432	DFTPP			W	1					not using	↑PCP tailing – Reinstall
	433	DFTPP			W	1					OK	2:00 PM
	434	IC 1389 – 100		BNA	W	2					✓	SV1413621 15A
	435	IC 1389-1.0			W	3					✓	SV1413621 16B
	436	IC 1389-80			W	4					✓	SV1413621 15B
	437	IC 1389-50			W	5					✓	SV1414191 2A
	438	IC 1389-25			W	6					✓	SV1414191 2B
	439	IC 1389-10			W	7					✓	SV1413621 15E
	440	IC 1389-2			W	8					✓	SV1413621 16C
	441	IC 1389-5			W	9					✓	SV1413621 15F

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.

159

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

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1390

Date: 6/6/14

Analyst Signature: Jamie Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621 19	DETPP	50 ppm
LK2933	Internal Standard	1000 ppm
DK547	DCM (HW)	

Columns: RTX5MSi 30m x .25mm x .25 µm

Method 8270/625

Initial Cal. Method M3P1389

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: 6/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32442	DETPP			W	1						6:28pm
	443	IC1390-100		TCLA2	W	~~7~~ 10						SV1413621 36A sp 6/6/14
	444	IC 1390-80			W	~~8~~ 11						SV1413621 36B
	445	IC1390-50			W	12						SV1413621 80C
	446	IC1390-25			W	13						SV1413621 80D
	447	IC 1390-10			W	14						SV1413621 36E
	448	IC1390-5			W	15						SV1413621 36F
	449	IC1390-2			W	16						SV1413621 36G
	450	IC1390-1			W	17						SV1413621 36H
sp 6/6/14	451	ICV ~~1390~~ 1389 -50	Acid		W	18						OP sp 6/9/14 SV1411788
	452	ICV ~~1390~~ 1389 -50	BN1		W	19						SV OP141177-17
	453	ICV ~~1390~~ 1389 -50	BN2		W	20						OP141177-63
	454	ICV ~~1390~~ 1389 -50	Surrogate		W	21						OP141177733
	455	ICV ~~1390~~ 1389 -50	Aniline		W	22						OP14117761
	456	ICV ~~1390~~ 1389 -50	Benzidine	3rd Source	W	23						SV1413621 72B
	457	ICV 1390-50	HQ	2nd Source	W	24						OP141130141

[TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

161

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: E3P1392

Date: 6/9/14

Analyst Signature: Samir Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SVH1362119	DFTPP	50ppm
UC2933	Internal Standard	4000 ppm
DK547	DCM (HW)	/

Columns: RTXSMSi 30mx.25mm x.25µm

Method 8270/625

Initial Cal. Method M3P1389

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
	3P32485	DFTPP			W	1					not using	↑ PCP tailing – Reinject
	486	DFTPP			W	1					not using	↑ PCP tailing – Reinstall
	487	DFTPP			W	1					not using	↑ PCP tailing – Reinstall
	488	DFTPP			W	1					OK	10:49 AM
	489	ICV1389-50		Acid Spike	W	2			-		OK	OP 14 117788
	490	ICV1389-50		BN2	W	3					not using	OP SP6/9/14 SVH4 117743 – Not needed

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

9.7.7

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1406

Date: 6/17/19

Analyst Signature: AMD

Columns: RTX5 MS30m x.25mm x.25µm

Method 8270/625

Initial Cal. Method M3P1389

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SVM136219	DFTPP	50ppm
SVM141912	BNA	50ppm
SVM141945	TCL/2	50ppm
LC2933	Internal Std.	4000ppm
DLC547	DCMCHW	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to compl with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6-18-19

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32833	DFTPP				1					OK	9:30PM
	32834	CCB59-50		BNA	W	2					OK	
	32835A	CC1391-50		TCL/2	W	3					OK	Reran as A file however em
	32836	bna 1		verification	W	4					OK	1ppm SVM141923
	32837	op75680mbl	756804	ABS270	S	5		+	/	\	OK	
	32838	-bsl				6			/	\	OK	
	39	op75688mbl	756887	ABS270 + Modified	S	7			/	/	OK	
	40	-bsl				8			/	/	OK	
	41	-ms				9			/	\	OK	
	42	-msd				10			/	\	OK	
	43	JB69163-9		PAH		11			/	\	OK	
	44	JB69187-41A	RE	ABTCL20+		12		+	/	/	OK	
	45	JB69123-1		ABTCL20		13		+	/	\	OK	
	46	-2				14		+	/	\	OK	
	47	-3				15		+	/	\	OK	
	48	-5				16		+	/	\	OK	
	49	-6				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.

21

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.8

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1406

Date: 6/17/14

Analyst Signature: AMW

Columns: RTX5MS 30m x 25mm x 25µm

Method 8270/625

Initial Cal. Method M3P1389

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 21	

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: 6/8/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P32850	op75680ms	756804	ABS470	S	18			/	\	OK	
	51	msd				19			/	\	OK	
	52	JB69009-23		PAH		20			/	\	OK	
	53	JB69507-1A		ABTCL20+		21		+	/	\	OK	
	54	JB68 9325 rx		ABTCL10+		22	5	+	/	\	OK	diluted due to matrix
	55	JB687535 rx		PAH		23			/	\	OK	RR 1.5
	56	JB69009-8		PAH		24			/	\	OK	
	57	-9				25			/	\	OK	
	58	-10				26			/	\	OK	7:49 AM XL

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.

100 23

All strikeouts must be initialed, dated and reason code applied as follows:
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Form: OR015-05
Rev. Date: 1/16/2006

9.7.8

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1417

Date: 6/26/14

Analyst Signature: Samantha Patel

Columns: RTXSMS 30m x .25mm x .25

Method 8270/625

Initial Cal. Method M3P1417 sp6/26

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362119	DFTPP	50ppm
SV141419046A	BNA	50ppm
CK2933	Internal Standard 40ppm	
DK774	NDMA(HW)	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33170	DFTPP			W	1					OK	8:11AM
	171	CC1389-50		BNA	W	2					~~OK~~ not using	Area ↓ compounds sp6/26
	172	DFTPP			W	1					not using	442 ↑, Returned
	173	DMPP				1					↓	PCPD, Retune,
	174	DMPP				1						687, RR
	175	DMPP				1					OK	9:36AM
sp6/26/14	176	ICC1417-1389-50		BNA		2					OK	SV141419 46A
	177	IC1417-100				3					OK	SV141419 23A
	178	IC1417-1				4					OK	SV141419 23E
	179	IC1417-80				5					OK	SV141419 23B
	180	IC1417-25	sp6/26/14			6					OK	SV141419 23D
	181	IC1417-5				7					OK	SV141419 23F
	182	IC1417-25				8					OK	SV141419 46B
	183	IC1417-10				9					OK	SV141419 23C
	184	ICV1417-50		Acid Spike		10					OK	OP141177-125
	185	ICV1417-~~BN1~~ 50	sp6/26/14	BN1		11					OK	OP141177-118
	186	ICV1417-50		BN2		12					OK	OP141177-110

TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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

9.7.9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1417

Date: 6/26/14

Analyst Signature: [signature]

Columns: RTX5MS 30m x .25mm x .25

Method 8270/625

Initial Cal. Method MS3P1417

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see PS 169	

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: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33 187	ICV1417-50		ABN Surrogate		13					OK	OP14177-117
	188	ICV1417-50		Benzidine 2nd		14					OK	SV141419 44A
	189	ICV1417-50		Aniline		15					OK	OP14177111

SP

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

9.7.9

ACCUTEST LABORATORIES JB69123

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1419

Date: 6/27/14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621119	DFTPP	50ppm
SV1414194GB	BNA	25ppm
SV1414191 9B	TCL42	25ppm
CK29133	Internal Standard	4000ppm
DK774	DCM(HW)	—

Columns: RTX5MSi 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M3P1417

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: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33219	DFTPP			W	1					not using	Ion #68 failed - Reinject
	220	DFTPP			W	1					not using	↑ PCP failing - Reinstall
	221	DFTPP			W	1					not using	Ion # 51 failed - Reinject
	222	DFTPP			W	1					OK	9:30 AM
	223	CC1417-25		BNA	W	2					OK	
	224	CC1390-25		TCL42	W	3					OK	
	225	tcl 42 verf		verification	W	4					OK	SV1414191 35
	226	OP75953-MB1	75953-1	AB8270	W	5			✓	✓	OK	
	227	JB70072-1		ABSL+Comp.	W	6			✓		not OK	Samples Reextracted
	228	-2			W	7			✓		OK	
	229	JB70083-2		ABSL+Compounds	W	8			✓			
	230	-2			W	9			✓		↓	
	231	OP75676-MB1	75676-1	AB8270	W	10			✓	✓	OK	
	232	OP75839-MB1	75839-1	AB8270	S	11			✓	✓	OK	
	233	JB69791-1A	75823-1	ABPP TCL II-DCB+BNS+Benzyl Alcohol	S	12			✓	✓	dil	
	234	-6A	75823-1	ABPP TCL II-DCB+BNS+Benzyl Alcohol	S	13			✓	✓	dil	
	235	JB69793-6A			S	14			✓	✓	dil	

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.

77

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.10

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1419

Date: 6/27/14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see pg 77	

Columns: RTX5ms 30m x .25mm x .25

Method 8270/625

Initial Cal. Method M3P1417

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: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33236	JB69613-1arx	75823-1	ABPP TCL II - BCB+ BYS Benzy Alcohol	S	15			✓	✓	all	
	237	JB69656-6A	75799-1		S	16			✓	✓	all	
	238	JB69648-2A			S	17			✓	✓	OK	
	239	JB69078-3	75676-1	ABTCL20	W	18			✓	✓	OK	
	240	JB69763-8	75839-1	ABTCL11+	S	19		+	✓	✓	OK	
	241	-9			S	20		+	✓	✓	OK	
	242	JB69111-1X	75780-1	BNJTCL 20+	W	21		+	✓	✓	OK	
	243	-2X			W	22		+	✓	✓	OK	
	244	JB69295-14		ABNJTCL 20+	W	23		+	✓	✓	OK	
	245	-15			W	24		+	✓	✓	OK	RR 1:10
	246	JB69309-9		ABTCL 20+	W	25					not run	Sequence cut due rush samples
	247	JB69358-1		Bis 2E	W	26					not run	Sequence cut due rush s
	248	-2			W	27					↓	↓
	249	-3			W	28						
	250	OP75724-MB2	75724-1	ABS270	S	29			✓	✓	OK	
	251	JB69266-1		PAH+2MNAP	S	30	10		✓	✓	OK	
	252	-3			S	31	20		✓	✓	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.

79

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.10

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1419

Date: 6/27/14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See pg 77	

Columns: RTX5MS1 30mx.25mmx.25

Method 8270/625

Initial Cal. Method M3P1417

Injection Volume: 1 uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/30/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33253	JB69266-1	75724-1	PAH+2MNAP	S	32	100		✓	✓	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.

81

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.10

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P357

Date: 6/26/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621119	DFTPP	50ppm
CK2933	Internal Standard	4000ppm
DK774	DCM (HW)	

Columns: RTX5MS (30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method

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: Date: 7/1/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P8266	DFTPP				1					ok	442↑
	6P8267	IC357-25				4					ok	
	8268	DFTPP				1					OK	
	8269	IC357-2				2					x lot issues	Diethylphthalate ↑
	8270	-75				4						
	8271	DCM				3						
	8272	DFTPP			W	1					ok	
	8273	ic357-100		BNA		2					ok	SV1414923A
	8274	IC357-1				3					OK	SV1414923E
	8275	IC357-80				4					OK	SV1414923B
	8276	ic 357-10				5					OK	SV1414923C
	8277	IC357-50				6					OK	SV1414946A
	8278	IC 357-5				7					OK	SV1414923F
	8279	ic 357-2				8					OK	SV1414923D
	8280	ic 357-25				9					OK	SV1414946B

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.

109

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: E6P358

Analyst Signature: Jamb Patel

Date: 6/26/14

Columns: RTX-5ms 30m x .25mm x .25 µm

Method 8270/625

Initial Cal. Method M6P357

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362119	DFTPP	50ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 7/1/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P8281	DFTPP		~~SP6/26/14 TCL42~~	W	1					OK	
	8282	ic358-100		TCL42		10					OK	SV141419-34A
	8283	ic358-1				11					OK	SV141419-34H
	8284	ic358-80				12					OK	SV141419-34B
	8285	ic358-10				13					OK	SV141419-34E
	8286	ic358-50				14					OK	SV141419-34C
	8287	ic358-5				15					OK	SV141419 34F
	8288	ic358-2				16					OK	SV141419 34G
	8289	ic358-25				17					OK	SV141419 34D
	8290	icv357-50		Acid Spike		18					OK	OP141177125
	8291	icv357-50		BN1		19					OK	OP141177118
	8292	icv357-50		BN2		20					OK	OP141177110
	8293	icv357-50		ABN Surrogate		21					OK	OP141177117
	8294	icv357-50		Benzidine		22					OK	SV141419-44A
	8295	icv357-50		HQ		23					OK	SV141362101
	8296	icv357-50		Aniline		24					OK	OP141177111

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

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Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: 7/1/14 E6P362

Date: 7/1/14

Analyst Signature: SW

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1414194[illegible]	DFTPP	50ppm
SV1414194[illegible]	BNA	25ppm
SV1414194[illegible]	TCL42	25ppm
CL[illegible]933	Internal std	4000 ppm
DIC547	DCM (HW)	—

Columns: RTX5ms 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M6P357

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 7-2-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	6P8380	DFTPP			W	1					ok	9:38am
	6P8381	CC357-25			W	2					all	
	6P8382	CC358-25			W	3					all	✓
	6P8383	OP75952-MB1	75952		W	4					not using	cannot report TCL20 samples
	6P8384	OP75710-MB1	75710		W	5			✓	✓	all	
	6P8385	JB69115-2		ABPPL	W	6			✓	✓	all	
	386	-6				7			✓	✓	all	
	387	-7				8			✓	✓	all	
	388	-9				9			✓	✓	all	
	389	JB70335-32	76010	PAH+2mnap	S	10			✓	✓	all	
	390	JB70335-30				11			✓	✓	not all RUN @ 7/1	~~sequence changed~~ ky 7/1
	391	JB69808-3		BSL		12			✓	✓	all	
	392	JB70291-5		PAH+2mnap	S	13			✓	✓	all	RR 1:5
	393	-6				14			✓	✓	all	
	394	-7				15			✓	✓	all	RR 1:10
	395	-8				16			✓	✓	all	
	396	-9				17			✓	✓	all	RR 1:5

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P362

Analyst Signature: JW

Date: 7/1/14

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surrog 125	

Columns: RTx 5ms 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method H6P357

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 7-2-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	6P83897	JB70291-11	76010	PAH+2mmap	S	18			/	/	all	RR 1:10
	6P83898	JB69563-14	75767	ABTCL11-1	S	19	100		/	-	all	1:4
	399 382	-15				20	10		/	/	all	2x surr added
	400 383	-16				21	10		/	/	all	
	401 384	-17				22	5		/	/	all	
	402 385	-18				23	20		/	/	all	
	403 386	-19				24	5		/	/	all	RR 1:20
	404 387	-21				25	4		/	/	all	9:10pm
	405 388	-22				26	5				not using	9:39 pm outside 12 hrs R.P.
	406 389	-29				27	4					10:07pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

7-2-14

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9.7.13

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5692

Analyst Signature: AHD

Date: 6/11/14

Columns: RTX MS30m x.25mm x.25µm

Method 8270/625

Initial Cal. Method MF5692.2

Injection Volume: 1 µL AHO 6/11/14

Standard Data

Lot #	Description	Conc.
SV1413621B3A	BnA	50ppm
-13B		25ppm
SV14-141923A	BnA	100ppm
1414923 B		80ppm
1411923C	6/12/14	10ppm
1414923F		5ppm

Standard Data

Lot #	Description	Conc.
SV1413621A	DFTPP	50ppm
SV1414923D	BnA	2ppm
E	↓	1ppm
CK2933	Internal Std.	4000ppm
DK547	DCM/MeOH	—

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/12/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
						1					all	8:23pm
	F35905	DFTPP		BNA	W	2					all	
	35906	ICC5692-50				3					all	
	35907	ICV5692-25				4					all	
	35908	-100				5					all	
	35909	-80				6					all	
	35910	-10				7					all	
	35911	-5				8					all	
	35912	-2				9					all	
	35913	-1										
	35914	AHO 6/11/14										

6/12/14

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

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Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.14

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5693

Date: 6/12/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362119	DFTPP	50ppm
CK2933	Int. Std.	40ppm
DK547	DCM(HW)	

Columns: RTX5ms 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MF5692

Injection Volume: 1.0ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/13/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F359714	DFTPP				1					ok	50ppm
	359 15	ICCS693-50		TCL42		2					ok	SV141362 38-A
	359 16	ICS693-25				3					ok	SV141362-80D
	359 17	ICS693-100				4					ok	SV141362-136A
	359 18	-80				5					ok	136B
	359 19	-10				6					ok	-136E
	359 20	-5				7					ok	-136F
	359 21	-2				8					ok	-136H
	359 22	-1				9					ok	-136G
	359 23	ICV5692-50		Acid		10					Not Using	Reject 160* OP114-1177-88
	359 24	-50		Ball		11					ok	OP114-1177-17
	359 25	-50		B2/2		12					ok	OP114-1177-42
	359 26	-50		Surr		13					ok	OP14-1177-33
	359 27	-50		Anilne		14					ok	OP14-1177-61
	359 28	-50		3rd Benzidine		15					ok	SV114-1362-72R
	359 29	ICV5693-50		HQ		16					Not Run	OP14-1130141

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.15

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5695

Date: 06/13/2014

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV4136	2119 DFTPP	50ppm
SV4141	19 2A 3104	50ppm
CK2933	Internal Std	40000ppm
OK547	Diln (HW)	—

Columns: RTX 5ms 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MF5693.2 EH4

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: Date: 6/13/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F35955											
	F35956	DFTPP			W	1					dc	7:31 am
	35956	cc5692-50			W	2					Not Using	Over Shot - diff. Run Stopped
	35957	ICV8692-50	Acid		W	2					dc	OP114-1177-88
	35958	ICV8253-50	Hg		W	3					dc	OP14-1130-141

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.16

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5702

Date: 6/18/14

Analyst Signature: AMD

Standard Data

Lot#	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14136219	DFTPP	50ppm
CK2933	Internal Std.	40000ppm
DK547	DCM(HW)	—

Columns: RTX 5Si 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MF5692

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 6/20/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F36117	DFTPP				1					dk	8:02pm
	18	ICS5702-100 AM96118@		AP9	W	2					dk	SV14136291A
	19	-80				3					dk	↓ B
	20	ICCS702-50				4					dk	SV14136276A
	21	ICS702-25				5					dk	↓ B
	22	-10				6					dk	SV14136291C
	23	-5				7					dk	↓ D
	24	-2				8					dk	E
	25	-1				9					dk	~~Next using~~ xlm 6/25/14 ↓ F ~~not needed~~
	26	ICS702-100		AP9SL	W	10					dk	SV14136292A
	27	-80				11					dk	↓ B
	28	ICCS702-50 AM96118@				12					dk	SV14136264A
	29	ICS702-25				13					dk	↓ B
	30	-10				14					dk	SV14136292C
	31	-5				15					dk	↓ D
	32	-2				16					dk	E
	33	-1				17					dk	↓ F xlm 6/25/14 next using/not needed

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.17

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5702

Date: 6/18/14

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 107	

Columns: RTX 5Sil 30m x 25 mm x .25 µm

Method 8270/625

Initial Cal. Method MF5692

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: 6/20/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F36134	ICV5702-50		AP92nd		18					[signature]	OP14117710 50ppm
	35	-50		catechol		19					not signed 6/18	OP13 OP13108357 50ppm expired
	36	-50		2,3chloroaniline		20					[signature]	SV14136239 50ppm
	37	-50		o-toludine		21					[signature]	SV14136239 50ppm
	38	-50		m-toludine		22					[signature]	SV14136297 50ppm
	39	-50		1-chloro-2-nitrobenzene		23					[signature]	SV14141929 50ppm

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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

9.7.17

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5710

Date: 6/25/14

Analyst Signature: SW

Columns: Rxi 5Sil 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MF5692

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362 119	DFTPP	50ppm
SV141362 119	BNA	25ppm
SV141362-80B	TCL12	25ppm
CC2933	Internal Std	4000ppm
D165477	DCM (HW)	"

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F36366.D @ 6/25/14	DFTPP			W	1					ok	
	36366	CC5692-25 @ 6/25/14			W	2					not using	peaks splitting, reinstall
	36367	DFTPP			W	1					OK	4:44 pm
	36368	CC5692-25		BNA	W	2					ok	Surrogate Recovery Acceptable
	36369	CC5693-25		TCL12	W	3					ok	
	36370	BNA verification				4					ok	@ 6/25/14 SV141419-28B
	36371	CC5702-50		APP		5					ok	SV141362-76A
	36372	APP verification				6					ok	SV141362-91F
	36373	OP75607-MB1	75607	ABB270+	W	7		X	/	/	ok	
	36374	JB69123-7	75815	ABTCL20	W	8			/	/	ok	
	36375	JB69131-2		ABNTCL11+		9		X	/	/	ok	
	36376	-3				10		X	/	/	ok	
	36377	-4				11		X	/	/	ok	
	36378	-5				12		X	/	/	ok	
	36379	-6				13		X	/	/	ok	
	36380	-7				14		X	/	/	ok	
	36381	JB69500-2		BNTCL11+		15	4	X	/	/	ok	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.18

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF5710

Date: 6/25/14

Analyst Signature: DO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 143	

Columns: RXi 5ms 30m x .25mm x .25

Method 8270/625

Initial Cal. Method MF5693

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: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F36382	JB69500-3	75815	BNJTCL11+	W	16	4		/	/	dt	
	383	JB69606-1	75920	ABNJTCL20	W	17			/	/	dt	
	384	-2				18			/	/	dt	
	385	-3				19			/	/	dt	
	386	JB68943-7B		APQ, Oltoldn, BPAH	S	20			/	/	dt	
	387	JB69374-1	75763	ABTCL20	S	21			/	/	dt	
	388	OP75763-MS		ABB270+		22			/	/	dt	
	389	-MSD		ABB270+		23			/	/	dt	
	390	JB69403-11	75802	BPAH	S	24			/	/	dt Dup only Reanlyz PAH only	
	391	JB69896-1	75879	ABPPL+625 DIOXS	W	25	5		/	/	dt	4:14pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.18

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ 4569

Date: 5-24-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc
SV1426219	DFTPP	50ppm
CK2933	I.S.	400ppm
DK 237	DCM-TKW	(4ml)

Columns: RTX 5ms 30m .25mm .25u

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5-28-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
Z91825	DFTPP			W	1					OK	10:37 am
826	ic 4569-100		BNA		2					OK	" SV141362 115
827	-80				3					OK	" -115
828	-2				4					OK	" -115
829	ic 4569-50				5					OK	" -138B
830	ic 4569-25				6					OK	" -138C
831	-1				7					OK	" -115
832	-5				8					OK	" -115
833	-10				9					OK	" -115
Z91825a	DFTPP				1					not using	Run by mistake

MX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

5/27/14

mple volume/weight used and final volumes refer to extraction log.

85

l strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
v. Date: 1/16/2006

9.7.19

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4571

Date: 5-27-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-118	DFTPP	50ppm
	AR 5/28/14	

Columns: RTX+MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4569

Injection Volume: 1.0 uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: 5.28.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	29\850	DFTPP				1					OK	
	851	ICV4571-100		TCL42		2					OK	SV141362-136A
	852	-80				3					OK	136B
	853	ICV4571-50				4					OK	SV141362-86A
	854	ICV4571-25				5					OK	SV14-1419-5B
	855	-10				6					OK	SV141362-136E
	856	-5				7					OK	SV141362-136F
	857	-2				8					OK	136G
	858	-1				9					OK	136H
	859	ICV4569-50		acid		10					not using	op14-1171-29 60,70
	860	-50		BN1		11					OK	op141177-17
	861	-50		BN2		12					OK	op141177-42
	862	-50		aniline		13					OK	op141177-61
	863	-50		benzidine		14					OK	report 89 SV141362-72B
	864	-50		surr		15					OK	op141177-33
	865	-50		HQ		16					OK	op141177-41
	866	-50		Acid		17					NOT USING	OP141177-44 60 ↓ area OA reinstall instrument AR 5/28/14

TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.20
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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E Z4572

Date: 5-27-14

Analyst Signature: AMO

Columns: RTXSMS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV13D2413	DFTPP	50ppm
CK2933	Internal Std.	40000ppm
DK547	DCM(HW)	—

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	9 Z81867 AMO 5/27 @ 918168	DFTPP				1					OK	
		ICV4569-50		BNA acid	W	2					OK	SV19117744 50ppm
												AMO

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

9.7.21

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4607

Date: 6-18-14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SW1413621	DCTPP	50ppm
110	BNDA	25ppm
137	FCLYR	↓
CK2933	TS	4000ppm
DK457	DCM	(HIGH)

Columns: RTX-5MS 30m, .25mm, .25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 6-19-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z 92742	DCTPP			W	1					ok	
	743	CC4569-25				2					OK	PAH only.
	744	CC4571-25				3					OK	
	745	QP75724-mb1	75724	ABN	S	4		+			ok	
	746	JB69183-15		Pah+2mp		5					ok	
	747	JB68579-1		Palo		6			12 3		ok	RR 1:2 cfi
	748	JB68636-3Rlo		Pah+2mp		7			56		ok	RR cfi
	749	JB68869-2				8					ok	RR 6/19/14
	750	JB69266-1				9					ok	RR 1:10, 1:100
	751	-3				10					ok	RR 1:20
	752	JB69291-1		PAH+2mp		11					ok	
	753	-2				12					ok	RR 1:10
	754	-3				13					ok	RR 1:10
	755	-5				14					ok	
	756	-6				15					ok	XL RR 1:5
	757	-7				16					ok	
	758	-8				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.

21

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.22

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4607

Date: 6-18-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 21	

Columns: RTX-5ilMS 30m, .25mm, .25um, 1

Method 8270/625

Initial Cal. Method MZ9569

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: DA Date: 6-19-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
Z 92759	JB69291-9		PAH+2mp		18			/	/	OK	xh
60	-10				19			/	/	OK	↓
61	-11				20			/	/	OK	

AR 6/19/14

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

101 23

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.22

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4609

Date: 6-19-14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1417G119	DFTPP	50ppm
112	BNA	75ppm
137	TCL42	↓
CX2933	I.S.	4000ppm
D2547	Surr	(400)

Columns: RTX5MS, 30mmx 25mmx.25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 6-20-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z92776	DFTPP				1					Not using	OK, need to adjust conc. ↑ in check
	~~77~~	DFTPP				1					OK	7:10pm ⇒ 9%
	78	CC 4569-25				2					OK	Pyr NDiH2050 ↓ 1,4 dioxane ↓, 87, 93 ↑
	79	CC 4571-25				3					OK	
	80	BNA Ver.		SV1417G125		4					OK	
	81	op75468-mb1	75468	ABN	s	5		+			OK	
	82	op75724-BS1	75724	ABN	s	6					OK	4-nitrophenol
	83	JB69215-24A		ABTCL20+BEAC	s	7					OK	
	84	JB69123-4		ABTCL20		8					OK	
	85	JB68593-10	75468	ABTCL20+	s	9					RR	phthalate hits RR straight 1:10
	86	-11				10			ALL ↓		RR	aliquot RR to confirm NO I.S.
	87	-12				11			ALL ↓		RR	phthalates
	88	-13				12					RR	phthalates + 2 more straight 1:10
	89	-14				13			4 ↓		OK RR	~~straight 1:10~~ phthalates OK AR 6/20/14
	90	-15				14			ALL ↓		RR	straight phthalates
	91	-16				15					RR	straight 1:2 phthalates
	92	17				16					RR	straight ~~1:10~~ phthalates AR 6/20/14

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

27

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.23

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4609

Date: 6-19-14

Analyst Signature: AS

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
	Surr27	

Columns: RTX5MS, 30M*25M*.25M

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 6µl

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: 6-20-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z 92793	JB68893-18	75468	ABTCL20+	S	17			4,5 ↓		OK RR	~~Phthalates~~ RR 6/20/14 ~~Straight & 1:5 OK~~
	94	-19				18			/		RR	straight & 1:10 phthalates
	95	-20				19			all ↓		RR	phthalates straight & 1:5
	96	-21				20			/		RR	phthalates straight & 1:5
	97	-22				21			/		RR	Phthalates straight & 1:10
	98	JB68864-1	75554	ABNJTCL20+	W	22			5 ↓	/	OK	RR CFI
	99	JB69291-4	75	PAH+2mmp		23			5,6 ↓	/	OK	1:10 phenan RR ~~1:2~~ benzo[a]anthracene RR 6/20/14
	8600	9075724-MS		ABN		24			5,6 ↓	/	OK	
	8601	-MSD				25			5,6 ↓	/	OK	
	802	JB68176-22	75676	PAH		26			all ↓		RR	no I.S. 5:36am

XA 6/20/14

TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.23
9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4614

Date: 6-23-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141762-119	DFTPP	50ppm
CK2433	IS	4000ppm
DK549	DCM	

Columns: Rtx5ms30mmx.25mmx.25um

Method 8270/625

Initial Cal. Method EZ4613 AR 6/23/14

Injection Volume: 1.0ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6-25-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
Z92842	DFTPP				1					OK	
843	ICV4614-100		TCL42		11					OK	SV141414-34A
844	-80				12					OK	34B
845	ICV4614-50				13					OK	34C
846	ICV4614-25				14					OK	34D
847	-10				15					OK	34E
848	-5				16					OK	34F
849	-2				17					OK	34G
850	-1				18					OK	34H
851	ICV4614-50		acid		19					not using	AR BNA SV141177-125
852	ICV4613-50		BN1		20					RR	op14-117717 4/29/2014
853	ICV4613-50		BN2		21					AR 6/25/14 OK not using	1,2,4,5-Tetrachlorobenzene op14117742
854	ICV4613-50		aniline		22					not using	op14117761
855	ICV4613-50		benz.		23					OK	op14-117737 72B
856	ICV4613-50		HQ		24					OK	AR 6/25/14 SV141362-72B 33
857	ICV4613-50		SURR		25					not using	AR BNA SV141362-101
											AR 6/24/14

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

43

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

9.7.24

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4615

Date: 6-24-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1362-119	DFTPP	50ppm
CK2933	IS	40ug/ml
DK547	DCM /HW	

Columns: RTX5MS 30mmx25mmx.25um

Method 8270/625

Initial Cal. Method MZ4615.5

Also 6124@

Injection Volume: 1.0uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6-25-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z92858	DFTPP				1					not usable	
	859	ICV4613-50		BN w/o anilines		2					↓	op141177-118
	860	ICV4613-50		BN1		3					↓	op141177-17 cresols ↓
	861	DFTPP				1					ok	new seal, move wool, bake
	862	IC4615-50		BNA		4					ok	/
	863	IC4615-100				5					ok	/
	864	-1				6					ok	/
	865	-2				7					ok	/
	866	-5				8					ok	/
	867	-10				9					ok	/
	868	-25				10					ok	/
	869	-80				11					ok	/
	870	ICV4615-50		BN1		12					ok	/ op14-1177-17
	871	ICV4615-50		acid		13					ok	/ 60 area ↓ -125
	872	ICV4615-50		BN2		14					ok	/ -42
	873	ICV4615-50		anilines		15					ok	/ -61
	874	ICV4615-50		SURR		16					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.

45

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

9.7.25
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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4615

Date: 6-24-14

Analyst Signature: AR

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
	see pg. 45	

Columns: RTX5MS 30mmx 25mmx.25mm

Method 8270/625

Initial Cal. Method MZ4615.5 AM06124

Injection Volume: 1.0uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/25/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92875	ICV4615-50		benz.		17					not using AR 6/25/14	area↑ 3.3, benz. Rpt from TCLP SV141362-72B
	876A	BN1ra		op14-1177-132		18					ok	Ref only reran as A file instrument shut down
	877A	ABN Surrogate		op14-1177-134		19					OK	↓ ↓
	878	ICV4615-100				20					OK	Ran after Z92874 SV14-1419-20

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.

47

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

9.7.25 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: F.Z4620

Date: 6/27/14

Analyst Signature: SW

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14362119	DFTPP	50 ppm
SV14419-45A	BNA	50ppm
SV14419-40A	TCL42	50ppm
CC 2933	Internal Std	4000ppm
DCS47	DCM (HW)	

Columns: RTX5msi 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MZ4b15

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: 6/25/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z92972	DFTPP			W	1					ok	
	973	cc4615-50			W	2					not using	areas low, retune
	974	DFTPP			W	1					ok	10:09 am
	975	cc4615-50		BNA	W	2					ok	benzoic acid & 2,4 Dinitrophenol
	976	cc4614-50		TCL42	W	3					ok	
	977	acid verification			W	4					ok	SV131282-83 20ppm
	978	OP75799-MB1	75799		W	5					not using	wrong bottle-OP75935-mb1 ran.
	979	JB69123-7	75710	ABTCL20	W	6			/	/	ok	
	980	JB69131-2		ABNTCL11+		7		X	/	/	ok	
	981	-3				8		X	/	/	ok	
	982	-4				9		X	/	/	ok	✓
	983	-5				10		X	/	/	ok	
	984	-6				11		X	/	/	ok	323pm
	985	-7				12		X	/	/	~~not ok~~	~~inst shut down~~ 323p
	986	OP75710-MB1	75710	ABB270		13		X	/	/	ok	Ran before Z92979
	987	JB69966-6	75895	BSL	S	14					not Run inst. Shut dn	
	988	-5				15					2	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

65

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.26

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EF4620

Date: 6/26/14 (7)

Analyst Signature: SW

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 65	

Columns: RTx 5ms 30mx.25mmx.25um

Method 8270/625

Initial Cal. Method MZ4615

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: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92988 (9)	JB69966-17	75895	BSL	S	16					Not Rev	Ins Shutdown
	989 (90)	-18				17						
	991	JB68718-7ar		ABTCL20+		18	5					
	992	JB69766-1		ABTCL20+		19						
	993	JB69966-4		BSL		20						
	994	OP75895-MSD		ABB270+		21						
	995	JB69115-5	75710	ABPPL	W	22						
	996	OP75710-MS		ABB270+		23 (3)						
	997	-MSD		ABB270+		24 (4) SW 6/27						

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

67

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.26

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4621

Date: 6-27-14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1498219	DFTPP	50ppm
41419US	BNA	25ppm
40	TCL42	↓
CC4933	IS	4000ppm
DK571	DCL	Hi

Columns: RTX5ms; 30m, 0.25m, 0.25u

Method 8270/1625

Initial Cal. Method M24621 4615 ASG-27-14

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6-27-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	t 92998	DFTPP			W	1					ok	ions pass
	92999	DFTPP				1					NOT USING	Pass
	93000	DGTPP				1					ok	ions OK 10:21pm
	93001	CC4615-25				2					ok	LO Acid
	93002	CC4616-25		TCL42		3	-				ok	
	003	Acid ver.				4					ok	
	004X ~~0p75954~~	0p75954-mb1	75954	ABN+	W	5		X	/	/	ok	/
	005	-BS1				6			/	/	ok	
	006	-BSD				7			/	/	ok	
	007	JB69948-15		BNTCL11+		8		X	/	/	ok	
	008	-16				9		X	/	/	ok	
	009	JB 70022-28		BTCL20		10		X	/	/	ok	X
	010	JB69115-5	75710	ABNTCL42	S	11		X	/	/	ok	/
	011	JB69131-7		ABPPL		12			/	/	NOT USING	Repeat EZ4620
	012	0p75710-ms		ABN		13			/	/	ok	
	013	-msd				14			/	/	ok	
	014	JB69966-6	75895	BSL		15			/	/	ok	X

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.27

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4621

Date: 6-27-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 69	

Columns: RTX5MS/30m/.25mm/.25u

Method 8270/625

Initial Cal. Method MZ4621 (15) AS 6-25-14

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: 6/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	93015	JB69966-5	75895	BSL	S	16			↓	/	ok	
	016	-17				17			↓	/	ok	
	017	-18				18			↓	/	ok	
	018	JB68718-7AR		BSLD		19		X	↓	/	ok	
	019	JB69766-1		BSL MW		20		X	↓	X	ok	6/29/14
	020	-4				21					Not proc	Report EZ4618
	021	op75895-MSD				22						

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.27

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Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH# MS75688 | RACK# C-15

Date started: 06/17/14 Time started: 9:AM
Date finished: 06/17/14 Time finished: 7:PM

EXTRACTION METHOD: (Check one): Microwave SW3546 _____ Sonication SW3550C ✓
Waste Dil. SW3580A _____ Soxhlet SW3540C _____

	Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup		Comments
	BS 1	ABN		Nasa	35.0				Yellow	1			
	JB69163-4 MS		2	Sal	31.9				Brown	1			
	L MSD		2	Soil	31.0				Brown	1			
	MB1 BS			Nasa	35.0				Clear	1			
	MS												
	MSD												
1	JB69123-1	ABN	1	Soil	33.4				Yellow	1			
2	-2		1	Soil	30.6				Brown	1			
3	-3		1	Soil	30.9				Brwn	1			
4	JB69187-4 1A RX		1	Sand	33.3				Brown	1			
5	JB69123-5		1	Soil	31.9				Brwn	1			
6	-6		1	Soil	32.5				Brwn	1			
7	JB69159-5		1	Soil	32.0				Brwn	1			
8	-6		1	Soil	30.3				Brwn				
9	JB69163-1		1	Soil	33.3				Brwn	10			
10	-2		1	Soil	32.4				Brwn	1			
11	-3		1	Soil	30.9				Brwn	1			
12	-4		2	Soil	33.0				Brown	1			
13	-5		1	Soil	30.6				Brown	1			
14	-6 XH		1	Soil	31.6				Brwn	1			
15	-7		1	Soil	30.7				Leyllw	1			
16	-8		1	Soil	31.5				Mstlw	1			
17	-9		1	Soil	32.1				Brwn	1			
18	-10 XH		1	Soil	30.9				Brwn	1			
19	-11 XH		1	Soil	31.6				Brwn	1			
20	-13		1	Rocks	33.8				Brwn	1			

Ext By:	MS/AQ9/FN
Conc By:	TM/MS/AS
Vialed By:	TM/MS/AQ9
Relinquished by:	SK
Accepted by:	
Supervisor Review:	06.17.14

Equipment	ID	Temp	Pres
WaterBath	5	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance B-49	B-49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN	141177198	50	1

WITNESS SIGN:

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	141177112	50	1
Base #1 w/out Anilines OP	141177100	50	1
Base #2 OP	141177110	50	1
Anilines	141177111	50	1

WITNESS SIGN:

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	DK758	DK520 HW
METH CHLOR	DK758	HW

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FC007891	Fisher
HYDROMATRIX		

Comments:

Form: OP019X-01
Rev. Date: 04/09/13

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See back for instructions

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

BATCH # MS75710 | RACK # D-15

Date Started: 6/17/14 Time Started: 15:00
Date Finished: 6/17/14 Time Finished: 23:30

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 X Cont Liq-Liq SW3520C ____

	Sample #	8270 Analysis Type	Sample Bottle #	pH	Sample Description	Sample Volume (ml) Oil Wt (g)	pH Adjust (ml) <2 H2SO4	pH Adjust (ml) >11 NaOH	Final Extract Color	Final Extract Vol(ml)	Misc. GPC Cleanup	Comments
	MB 1	ABN			DI H2O	1000	1	4	clear	1		
	BS 1				DI H2O	1000	1	4	Yellow	1		
	JB69115-5 MS		11		Clear	500	1	4	Yellow	1		
	L MSD				Clear	500	1	4	Yellow	1		
	BS 12	BN			Clear	1000	1	4	clear	1		
	JB69131-2 MS		14		Brown	500	1	4	Brown	1		
	L MSD		4		Brown	500	1	4	Brown	1		
1	JB69115-2	ABN	1		clear	1000	1	4	clear	1		
2	-5		2		clear	1000	1	4	clear	1		
3	-6		3		clear	1000	1	4	clear	1		
4	-7		4		clear	1000	1	4	clear	1		
5	-9		2		clear	1000	1	4	clear	1		
6	JB69123-7		2		clear	920	1	4	clear	1		
7	JB69131-2		2		orange	980	1	4	Brown	1		
8	-3		1		orange	980	1	4	Yellow	1		
9	-4		1		clear	990	1	4	clear	1		
10	-5		3		yellow	1000	1	4	clear	1		
11	-6		1		yellow	1000	1	4	clear	1		
12	-7		1		clear	1000	1	4	clear	1		
13	JB69185-1	BN	2		Clear	1000		1	clear	1		
14	-2		2		Clear	1000		1	clear	1		
15	-3		2		Clear	1000		1	clear	1		
16	-4		2		Clear	1000		1	clear	1		
17	-5		2		Clear	1000		1	clear	1		
18	-6		2		Clear	1000		1	clear	1		
19	-7		2		Clear	1000		1	clear	1		
20	JB69154-9		2		Clear	1000		1	clear	1		

COMMENTS:

See back for instructions

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Ext By:	EE/DH
Conc by:	NP
Vialed by:	NP
Relinquished by:	
Accepted by:	
Supervisor review:	6/17/14

Equipment	ID	Temp	Pres
Waterbath	3	85C	N/A
NEVAP			
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN 0D	141177	50	1.0
Witness Sign:	SK		

Matrix Spike	Lot #	Conc	Amt
Acid 0P	141177	50	1.0
Base #1 0P	141177	50	1.0
Base #2 0P	141177	50	1.0
Witness Sign: EE			
BSTM 0P	141177	1	1.0

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK	HW	6x60

Reagent	Lot #	Brand
Sodium Sulfate 0P	136693	Fisher
~~Filter Paper~~ Glass Wool	7413	Laboratory S&S
Hydromatrix		
1:1 H_2SO_4	410227	BDH
10N NaOH	311211	BDH

:cutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH #	RACK#
MS75724	C-7

ate started: 06/18/14 Time started: 2:20 pm

ate finished: 06/18/14 Time finished: 3:30 pm

XTRACTION METHOD: (Check one): Microwave SW3546 _____ Sonication SW3550C ✓

Waste Dil. SW3580A _____ Soxhlet SW3540C

Ext By:	MS/AQ9/FN
Conc By:	MS/TM
Vialed By:	TM/AQ9/MS
Relinquished by:	AQ9
Accepted by:	
Supervisor Review:	06.18.14

Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup		Comments
BS 1	ABN		Na2SO4	35.0				yellow	1			
B69291-4 MS		1	Soil	32.6				Brown	1			
L MSD		1	Soil	30.9				Brown	1			
MB1 BS			Na2SO4	35.0				clear	1			
MS												
MSD												
B69183-15	ABN	1	clay	32.4				yellow	1			
DUP of 15												
B68574-1		1	Soil	30.2				Brown	1			
B68636-3 RX		1	Soil	33.2				yellow	1			
B69215-24A		1	Soil	30.6				yellow	1			
B69123-4		1	mud	30.1				Brown	1			
B68564-2		1	Soil	31.3				Brown	1			
B69266-1		2	mud	32.4				brown	1			
-3		2	mud	33.0				Brown	1			
B69291-1		1	soil	33.6				Brown	1			
-2		1	soil	31.1				Brown	1			
-3		1	soil	34.5				Brown	1			
-4		1	soil	32.4				Brown	1			
-5		1	soil	33.4				Brown	1			
-6 XH		1	mud	33.0				brown	1			
-7		1	mud	34.1				Brown	1			
-8		1	soil	34.3				brown	1			
-9		1	mud	32.6				yellow	1			
-10		1	sand	30.8				yellow	1			
-11		1	mud	32.8				yellow	1			

Equipment	ID	Temp	Pres
WaterBath	5	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	B-49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN QP	141177198	50	1

WITNESS SIGN: MS

MATRIX SPIKE	LOT #	Conc	Amt
Acid QP	141177112	50	1
Base #1 QP	141177100	50	1
Base #2 QP	141177110	50	1
Aniline QP	141177111	50	1

WITNESS SIGN: MS

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	DK258 DK520	HW
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	F0078891	Fisher
HYDROMATRIX		

omments:

OP019A-01

te: 04/09/13

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 6/20/14 Time Started: 12:30
Date Finished: 6/20/14 Time Finished: 4:30

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C

BATCH # HS75815 RACK# A1

Ext By:	NG RM UP
Conc by:	SA
Vialed by:	NG SG
Relinquished by:	
Accepted by:	
Supervisor review:	Pennies 6/20/14

Equipment	ID	Temp	Pres
Waterbath	2	80°C	N/A
NEVAP			
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	141177A8	50ppm	1mL
Anilines	141177A8	50ppm	1mL
Witness Sign:	UP		

Matrix Spike	Lot #	Conc	Amt
Acid	141177A8	50ppm	1mL
Base #1	141177A00	50ppm	1mL
Base #2	141177A10	50ppm	1mL
Witness Sign:	UP		
BSV	141177A6	50ppm	1

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK87J8	HW	6/60

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
~~Filter Paper~~	7483	~~Fisher~~ Lab
Hydromatrix		
NaOH	31124	BDH
H_2SO_4	42[illegible]27	BDH

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 1	ABN			$Di H_2O$	1000	1	4	clear	1		
BS 1	1			$Di H_2O$	1000	1	4	yellow	1		
JB69115-5 MS	1	7		clear	500	1	4	yellow	1		
MSD	1	7		clear	500	1	4	yellow	1		
BS 12	Sim			$Di H_2O$	1000	1	4	Yellow	1		
~~JB69348-2 MS A~~	~~NG~~										
BSD 12 MSD A	Sim			$DI H_2O$	1000	1	4	Lt yellow	1		
1 JB69348-2	ABN	2		Black	140	1	4	Brown			
2 3	1	1		Yellow	960	1	4	Lt yellow	1		
3 ~~JB69205-1~~	~~BN~~						8				
4 JB69348-4	ABN	1		Clear	1000	1		Clear	1		
5 JB69374-6	1	2		Clear	900	1		Clear	1		
6 JB69500-2	BN	1		Lt Yellow	990		1	Clear	1		
7 3	1	1		Lt Yellow	980		1	Clear	1		
8 JB69115-2 1X	ABN	3		Clear	1000	1	4	Clear	1		
9 5		8		clear	1000	1	4	Clear	1		
10 6		4		clear	1000	1	4	Clear	1		
11 7		1		clear	1000	1	4	Clear	1		
12 9		4		Clear	920	1	4	Clear	1		
13 JB69123-7		1		clear	900	1	4	Clear	1		
14 JB69131-2		1		Yellow	950	1	4	Lt yellow	1		
15 3		2		Yellow	970	1	4	Lt yellow	1		
16 4		4		Clear	940	1	4	Clear	1		
17 5		4		Yellow	1000	1	4	Lt yellow	1		
18 6		2		Yellow	1000	1	4	Lt yellow	1		
19 7		4		Clear	980	1	4	Clear	1		
20 ~~JB69500-53~~		1		Clear	100	1	4	Clear	1		

COMMENTS:

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See back for instructions

New Jersey ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
13:50	MA34268-STD1	1		STDA
13:56	MA34268-STD2	1		STDB
14:02	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:17	MA34268-ICV1	1		
14:34	MA34268-ICB1	1		
14:40	MA34268-ICCV1	1		see rerun
14:44	MA34268-ICCV2	1		
15:02	MA34268-CCB1	1		
15:09	MA34268-CRI1	1		see rerun
15:15	MA34268-CRID1	1		see rerun
15:21	MA34268-CRIA1	1		
15:33	MA34268-CRID2	1		
15:39	MA34268-CRI2	1		se out
15:45	MA34268-ICSA1	1		
15:51	MA34268-ICSAB1	1		
15:57	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:09	MA34268-CCV1	1		
16:15	MA34268-CCB2	1		
16:22	ZZZZZZ	1		
16:28	ZZZZZZ	2		
16:34	MP80106-MB1	1		
16:40	MP80106-B1	1		
16:46	MP80106-S1	1		
16:52	MP80106-S2	1		
16:58	JB68865-1A	1		(sample used for QC only; not part of login JB69123)
17:04	MP80106-SD1	5		
17:10	ZZZZZZ	1		
17:17	MA34268-CCV2	1		
17:23	MA34268-CCB3	1		
17:29	ZZZZZZ	1		
17:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
17:41	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:53	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:18	MP80106-S2	1		Not needed.
18:24	MA34268-CCV3	1		
18:30	MA34268-CCB4	1		
18:36	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:01	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:32	MA34268-CCV4	1		
19:38	MA34268-CCB5	1		
19:44	ZZZZZZ	1		
19:50	ZZZZZZ	1		
19:56	MP80126-MB1	1		
20:02	MP80126-B1	1		
20:08	MP80126-S1	1		
20:14	MP80126-S2	1		
20:20	JB68289-2	1		(sample used for QC only; not part of login JB69123)
20:26	MP80126-SD1	5		To reanalysis, wrong diltuion.
20:32	ZZZZZZ	1		
20:38	MA34268-CCV5	1		
20:44	MA34268-CCB6	1		
20:50	ZZZZZZ	1		
20:56	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
21:02	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:38	JB69123-1	1		
21:44	MA34268-CCV6	1		
21:50	MA34268-CCB7	1		
21:57	JB69123-2	1		
22:02	JB69123-3	1		
22:08	JB69123-4	1		
22:14	JB69123-5	1		
22:20	JB69123-6	1		
---------->	Last reportable sample/prep for job JB69123			
22:27	ZZZZZZ	2		
22:33	ZZZZZZ	2		
22:39	MA34268-CCV7	1		
22:45	MA34268-CCB8	1		
22:51	MA34268-CRI3	1		se out
22:57	MA34268-CRID3	1		
23:03	MA34268-CRIA2	1		
23:09	MA34268-ICSA2	1		
23:16	MA34268-ICSAB2	1		
23:22	MA34268-CCV8	1		na,al,mg,k ccv out.ba,be,ca,fe replicates are within limits.
23:27	MA34268-CCB9	1		
---------->	Last reportable CCB for job JB69123			
23:34	ZZZZZZ	1		
23:40	MA34268-CCV9	1		
23:46	MA34268-CCB10	1		
23:52	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:10	ZZZZZZ	1		
00:17	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
00:23	ZZZZZZ	1		
00:29	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
13:50	MA34268-STD1	1963 R	59021 R	11264 R	4221 R
13:56	MA34268-STD2	1807	53734	10901	3584
14:02	ZZZZZZ	1854	54598	10975	3729
14:08	ZZZZZZ	1931	59627	11337	4157
14:17	MA34268-ICV1	1849	55724	10992	3720
14:34	MA34268-ICB1	1943	59155	11313	4178
14:40	MA34268-ICCV1	No results reported for the elements associated with this internal standard.			
14:44	MA34268-ICCV2	1847	55163	11024	3714
15:02	MA34268-CCB1	1974	57048	11308	4239
15:09	MA34268-CRI1	No results reported for the elements associated with this internal standard.			
15:15	MA34268-CRID1	No results reported for the elements associated with this internal standard.			
15:21	MA34268-CRIA1	1934	57470	11118	4156
15:33	MA34268-CRID2	1935	58822	11194	4144
15:39	MA34268-CRI2	1892	56645	10975	4007
15:45	MA34268-ICSA1	1671	49842	10454	3213
15:51	MA34268-ICSAB1	1654	49873	10462	3192
15:57	ZZZZZZ	1912	57678	11077	4111
16:03	ZZZZZZ	1913	58730	11180	4181
16:09	MA34268-CCV1	1812	53584	11006	3649
16:15	MA34268-CCB2	1959	59134	10840	4204
16:22	ZZZZZZ	1949	58843	11283	4203
16:28	ZZZZZZ	1918	57939	11469	3838
16:34	MP80106-MB1	1626	45376	10701	3096
16:40	MP80106-B1	1619	47553	10608	3075
16:46	MP80106-S1	1601	48555	10520	3028
16:52	MP80106-S2	1605	47745	10143	3037
16:58	JB68865-1A	1626	47503	10696	3055
17:04	MP80106-SD1	1773	52524	10735	3509
17:10	ZZZZZZ	1642	48152	10602	3104
17:17	MA34268-CCV2	1791	53772	10709	3612
17:23	MA34268-CCB3	1919	58562	11137	4130
17:29	ZZZZZZ	1643	48201	10630	3113
17:35	ZZZZZZ	1634	48614	10661	3104

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
17:41	ZZZZZZ	1646	48259	10570	3117
17:47	ZZZZZZ	1663	48958	10804	3143
17:53	ZZZZZZ	1657	48367	10534	3132
18:00	ZZZZZZ	1547	46861	10230	2924 !a
18:06	ZZZZZZ	1642	48337	10473	3111
18:12	ZZZZZZ	1637	48182	10391	3103
18:18	MP80106-S2	No results reported for the elements associated with this internal standard.			
18:24	MA34268-CCV3	1783	53588	10326	3602
18:30	MA34268-CCB4	1912	57598	10594	4114
18:36	ZZZZZZ	1920	57857	10619	4127
18:43	ZZZZZZ	1946	58529	10516	4179
18:49	ZZZZZZ	1920	57861	10532	4129
18:55	ZZZZZZ	1909	57493	10534	4106
19:01	ZZZZZZ	1936	58237	10660	4165
19:07	ZZZZZZ	1922	57466	10648	4133
19:13	ZZZZZZ	1938	58326	10670	4164
19:20	ZZZZZZ	1974	58973	10922	4243
19:26	ZZZZZZ	1921	57831	10490	4127
19:32	MA34268-CCV4	1802	53666	10182	3626
19:38	MA34268-CCB5	1929	57849	10504	4145
19:44	ZZZZZZ	1628	47995	10200	3079
19:50	ZZZZZZ	1538	46573	9932	2937 !a
19:56	MP80126-MB1	1920	58715	10650	4180
20:02	MP80126-B1	1823	54939	10384	3776
20:08	MP80126-S1	1847	55403	10665	3614
20:14	MP80126-S2	1828	54946	10648	3606
20:20	JB68289-2	1887	56519	10820	3763
20:26	MP80126-SD1	No results reported for the elements associated with this internal standard.			
20:32	ZZZZZZ	1957	58634	10995	3873
20:38	MA34268-CCV5	1815	54189	10313	3659
20:44	MA34268-CCB6	1933	58564	10641	4163
20:50	ZZZZZZ	1886	56779	10816	3750
20:56	ZZZZZZ	1949	58392	11045	3887

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
21:02	ZZZZZZ	1826	55864	10827	3677
21:08	ZZZZZZ	1863	56836	10970	3754
21:14	ZZZZZZ	1959	59510	11379	3799
21:20	ZZZZZZ	1847	56411	10508	3797
21:26	ZZZZZZ	1783	56053	10795	3538
21:32	ZZZZZZ	1834	57312	10894	3777
21:38	JB69123-1	1896	58830	11041	3785
21:44	MA34268-CCV6	1786	54643	10345	3629
21:50	MA34268-CCB7	1898	58398	10559	4130
21:57	JB69123-2	1902	58497	10999	3805
22:02	JB69123-3	1899	58240	10942	3780
22:08	JB69123-4	1961	58660	11155	3901
22:14	JB69123-5	1880	57760	10947	3713
22:20	JB69123-6	1905	58276	10951	3791
22:27	ZZZZZZ	1681	49969	10403	3245
22:33	ZZZZZZ	1645	50214	10150	3206
22:39	MA34268-CCV7	1808	55055	10303	3663
22:45	MA34268-CCB8	1918	58947	10552	4162
22:51	MA34268-CRI3	1897	58314	10615	4058
22:57	MA34268-CRID3	1965	59910	10741	4245
23:03	MA34268-CRIA2	1935	60149	10636	4195
23:09	MA34268-ICSA2	1654	50116	9849	3184
23:16	MA34268-ICSAB2	1638	50169	9835	3161
23:22	MA34268-CCV8	1808	54992	9987	3658
23:27	MA34268-CCB9	1908	58751	10347	4147
23:34	ZZZZZZ	1921	54813	10236	3641
23:40	MA34268-CCV9	1802	54703	10208	3643
23:46	MA34268-CCB10	1922	58952	10516	4171
23:52	ZZZZZZ	1924	58999	10482	4161
23:58	ZZZZZZ	1927	59248	10611	4173
00:04	ZZZZZZ	1918	58801	10421	4145
00:10	ZZZZZZ	1912	60233	10844	4133
00:17	ZZZZZZ	1945	60098	10671	4227

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
Analyst: TG Run ID: MA34268
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
00:23	ZZZZZZ	1948	59984	10718	4227
00:29	ZZZZZZ	1766	53630	10052	3575

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time: / Sample ID:			14:34 ICB1		15:02 CCB1		16:15 CCB2		17:23 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	500	21	-0.30	<500	-0.30	<500	3.4	<500	-4.4	<500
Antimony	20	1.1	-0.70	<20	-0.50	<20	0.0	<20	-0.90	<20
Arsenic	20	1.3	-0.40	<20	0.30	<20	0.60	<20	0.40	<20
Barium	200	.6	0.20	<200	0.0	<200	-0.10	<200	0.0	<200
Beryllium	2.0	.2	0.30	<2.0	0.0	<2.0	0.0	<2.0	-0.10	<2.0
Bismuth	20	2								
Boron	100	1								
Cadmium	5.0	.3	0.10	<5.0	0.10	<5.0	0.10	<5.0	-0.10	<5.0
Calcium	5000	11	4.1	<5000	4.3	<5000	-4.2	<5000	0.10	<5000
Chromium	10	.5	0.10	<10	-0.10	<10	0.20	<10	-0.60	<10
Cobalt	50	.3	0.20	<50	0.0	<50	0.10	<50	0.10	<50
Copper	25	.5	0.30	<25	0.40	<25	0.20	<25	0.0	<25
Iron	500	12	7.9	<500	1.8	<500	1.1	<500	-1.6	<500
Lead	20	1.4	0.20	<20	0.30	<20	0.80	<20	0.60	<20
Lithium	20	2.1								
Magnesium	5000	110	-20	<5000	-21	<5000	-3.0	<5000	-6.5	<5000
Manganese	15	.1	0.40	<15	0.20	<15	0.20	<15	-0.10	<15
Molybdenum	20	.3								
Nickel	40	.5	0.0	<40	0.0	<40	0.20	<40	0.0	<40
Palladium	50	2.2								
Potassium	10000	44	27.4	<10000	19.5	<10000	14.9	<10000	49.6	<10000
Selenium	20	1.7	2.0	<20	1.5	<20	0.10	<20	0.90	<20
Silicon	200	4.9								
Silver	5.0	.5	0.30	<5.0	0.10	<5.0	-0.70	<5.0	-0.20	<5.0
Sodium	10000	12	4.3	<10000	4.9	<10000	10.1	<10000	198	<10000
Strontium	10	.3								
Sulfur	50	4.9								
Thallium	10	1.8	-0.30	<10	-0.70	<10	-1.0	<10	-0.50	<10
Tin	50	1								
Titanium	10	.6								
Tungsten	50	2.9								
Vanadium	50	.6	0.50	<50	-0.10	<50	0.0	<50	-0.10	<50
Zinc	20	2.7	0.0	<20	0.0	<20	-0.10	<20	1.9	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time:			14:34		15:02		16:15		17:23	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	20	.2								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time: / Sample ID:			18:30 CCB4		19:38 CCB5		20:44 CCB6		21:50 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	500	21	-1.2	<500	1.4	<500	2.8	<500	2.0	<500
Antimony	20	1.1	-1.1	<20	-0.50	<20	-0.80	<20	-0.60	<20
Arsenic	20	1.3	0.40	<20	1.4	<20	0.90	<20	0.50	<20
Barium	200	.6	0.0	<200	0.20	<200	0.0	<200	0.0	<200
Beryllium	2.0	.2	0.0	<2.0	0.0	<2.0	0.0	<2.0	0.0	<2.0
Bismuth	20	2								
Boron	100	1								
Cadmium	5.0	.3	0.0	<5.0	0.10	<5.0	0.0	<5.0	0.10	<5.0
Calcium	5000	11	0.30	<5000	4.8	<5000	-6.1	<5000	-3.0	<5000
Chromium	10	.5	-0.30	<10	-0.20	<10	0.10	<10	-0.20	<10
Cobalt	50	.3	0.0	<50	0.20	<50	0.0	<50	0.10	<50
Copper	25	.5	0.10	<25	0.20	<25	0.20	<25	0.50	<25
Iron	500	12	0.80	<500	0.10	<500	0.50	<500	4.3	<500
Lead	20	1.4	0.80	<20	0.10	<20	0.70	<20	0.70	<20
Lithium	20	2.1								
Magnesium	5000	110	-12	<5000	-2.0	<5000	7.0	<5000	-31	<5000
Manganese	15	.1	0.0	<15	0.20	<15	0.0	<15	0.20	<15
Molybdenum	20	.3								
Nickel	40	.5	0.0	<40	0.10	<40	0.0	<40	0.10	<40
Palladium	50	2.2								
Potassium	10000	44	49.8	<10000	6.2	<10000	7.7	<10000	5.3	<10000
Selenium	20	1.7	1.8	<20	1.8	<20	0.20	<20	2.5	<20
Silicon	200	4.9								
Silver	5.0	.5	-0.40	<5.0	-0.40	<5.0	-0.40	<5.0	-0.30	<5.0
Sodium	10000	12	372	<10000	89.9	<10000	77.3	<10000	38.5	<10000
Strontium	10	.3								
Sulfur	50	4.9								
Thallium	10	1.8	-0.10	<10	-0.10	<10	0.0	<10	0.0	<10
Tin	50	1								
Titanium	10	.6								
Tungsten	50	2.9								
Vanadium	50	.6	0.10	<50	0.30	<50	0.0	<50	0.0	<50
Zinc	20	2.7	2.0	<20	2.0	<20	-0.10	<20	-0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time:			18:30		19:38		20:44		21:50	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	20	.2								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time:			22:45		23:27	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	500	21	4.7	<500	19.2	<500
Antimony	20	1.1	0.60	<20	0.70	<20
Arsenic	20	1.3	1.2	<20	0.90	<20
Barium	200	.6	0.30	<200	0.10	<200
Beryllium	2.0	.2	0.30	<2.0	0.30	<2.0
Bismuth	20	2				
Boron	100	1				
Cadmium	5.0	.3	0.10	<5.0	0.30	<5.0
Calcium	5000	11	3.1	<5000	12.0	<5000
Chromium	10	.5	-0.40	<10	-0.20	<10
Cobalt	50	.3	0.20	<50	0.30	<50
Copper	25	.5	0.40	<25	0.60	<25
Iron	500	12	7.6	<500	10.7	<500
Lead	20	1.4	1.0	<20	1.8	<20
Lithium	20	2.1				
Magnesium	5000	110	-12	<5000	2.4	<5000
Manganese	15	.1	0.30	<15	0.30	<15
Molybdenum	20	.3				
Nickel	40	.5	0.20	<40	0.20	<40
Palladium	50	2.2				
Potassium	10000	44	32.0	<10000	-15	<10000
Selenium	20	1.7	1.0	<20	1.4	<20
Silicon	200	4.9				
Silver	5.0	.5	0.30	<5.0	-0.50	<5.0
Sodium	10000	12	117	<10000	49.7	<10000
Strontium	10	.3				
Sulfur	50	4.9				
Thallium	10	1.8	0.10	<10	-0.80	<10
Tin	50	1				
Titanium	10	.6				
Tungsten	50	2.9				
Vanadium	50	.6	0.50	<50	0.30	<50
Zinc	20	2.7	0.30	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA34268 Units: ug/l

Time:			22:45		23:27	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Zirconium	20	.2				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: to % Recovery Run ID: MA34268 Units: ug/l

Time:		14:44	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	2030	101.5
Arsenic	2000	2020	101.0
Barium	2000	2020	101.0
Beryllium	2000	2050	102.5
Bismuth			
Boron			
Cadmium	2000	2030	101.5
Calcium	40000	40400	101.0
Chromium	2000	2070	103.5
Cobalt	2000	2030	101.5
Copper	2000	1980	99.0
Iron	40000	40800	102.0
Lead	2000	2070	103.5
Lithium			
Magnesium	40000	39500	98.8
Manganese	2000	2080	104.0
Molybdenum			
Nickel	2000	2070	103.5
Palladium			
Potassium	40000	39700	99.3
Selenium	2000	2020	101.0
Silicon			
Silver	250	246	98.4
Sodium	40000	40100	100.3
Strontium			
Sulfur			
Thallium	2000	2110	105.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2060	103.0
Zinc	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: to % Recovery Run ID: MA34268 Units: ug/l

Time:		14:44	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		14:17			16:09			17:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39700	99.3	40000	41000	102.5
Antimony	2000	2030	101.5	2000	2080	104.0	2000	2100	105.0
Arsenic	2000	2020	101.0	2000	2070	103.5	2000	2090	104.5
Barium	2000	2030	101.5	2000	2020	101.0	2000	2090	104.5
Beryllium	2000	2040	102.0	2000	2020	101.0	2000	2090	104.5
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2090	104.5	2000	2100	105.0
Calcium	40000	40400	101.0	40000	40300	100.8	40000	41100	102.8
Chromium	2000	2040	102.0	2000	2130	106.5	2000	2110	105.5
Cobalt	2000	2030	101.5	2000	2080	104.0	2000	2090	104.5
Copper	2000	1960	98.0	2000	2050	102.5	2000	2040	102.0
Iron	40000	41000	102.5	40000	40500	101.3	40000	40900	102.3
Lead	2000	2070	103.5	2000	2130	106.5	2000	2130	106.5
Lithium									
Magnesium	40000	39800	99.5	40000	39500	98.8	40000	40000	100.0
Manganese	2000	2050	102.5	2000	2140	107.0	2000	2120	106.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2120	106.0	2000	2130	106.5
Palladium									
Potassium	40000	39800	99.5	40000	39400	98.5	40000	40500	101.3
Selenium	2000	2010	100.5	2000	2070	103.5	2000	2100	105.0
Silicon									
Silver	250	244	97.6	250	252	100.8	250	252	100.8
Sodium	40000	40300	100.8	40000	40100	100.3	40000	39200	98.0
Strontium									
Sulfur									
Thallium	2000	2110	105.5	2000	2160	108.0	2000	2160	108.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2130	106.5	2000	2100	105.0
Zinc	2000	2080	104.0	2000	2130	106.5	2000	2130	106.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		14:17			16:09			17:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		18:24			19:32			20:38	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41400	103.5	40000	41700	104.3	40000	40700	101.8
Antimony	2000	2120	106.0	2000	2100	105.0	2000	2060	103.0
Arsenic	2000	2100	105.0	2000	2090	104.5	2000	2050	102.5
Barium	2000	2130	106.5	2000	2150	107.5	2000	2110	105.5
Beryllium	2000	2070	103.5	2000	2070	103.5	2000	2010	100.5
Bismuth									
Boron									
Cadmium	2000	2110	105.5	2000	2100	105.0	2000	2060	103.0
Calcium	40000	40700	101.8	40000	41200	103.0	40000	39700	99.3
Chromium	2000	2120	106.0	2000	2140	107.0	2000	2090	104.5
Cobalt	2000	2090	104.5	2000	2100	105.0	2000	2050	102.5
Copper	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Iron	40000	39500	98.8	40000	39500	98.8	40000	37900	94.8
Lead	2000	2140	107.0	2000	2150	107.5	2000	2090	104.5
Lithium									
Magnesium	40000	38900	97.3	40000	39200	98.0	40000	37500	93.8
Manganese	2000	2130	106.5	2000	2150	107.5	2000	2100	105.0
Molybdenum									
Nickel	2000	2130	106.5	2000	2140	107.0	2000	2090	104.5
Palladium									
Potassium	40000	41900	104.8	40000	42300	105.8	40000	41700	104.3
Selenium	2000	2110	105.5	2000	2100	105.0	2000	2050	102.5
Silicon									
Silver	250	252	100.8	250	252	100.8	250	246	98.4
Sodium	40000	39600	99.0	40000	43000	107.5	40000	42300	105.8
Strontium									
Sulfur									
Thallium	2000	2170	108.5	2000	2170	108.5	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2110	105.5	2000	2120	106.0	2000	2080	104.0
Zinc	2000	2140	107.0	2000	2140	107.0	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		18:24			19:32			20:38	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		21:44			22:39			23:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40200	100.5	40000	41900	104.8
Antimony	2000	2080	104.0	2000	2060	103.0	2000	2060	103.0
Arsenic	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Barium	2000	2120	106.0	2000	2100	105.0	2000	2180	109.0
Beryllium	2000	1990	99.5	2000	1980	99.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2070	103.5	2000	2050	102.5	2000	2060	103.0
Calcium	40000	39000	97.5	40000	38900	97.3	40000	40400	101.0
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2060	103.0
Cobalt	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Copper	2000	2020	101.0	2000	2000	100.0	2000	2000	100.0
Iron	40000	37500	93.8	40000	37200	93.0	40000	38700	96.8
Lead	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5
Lithium									
Magnesium	40000	37000	92.5	40000	36900	92.3	40000	38200	95.5
Manganese	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Palladium									
Potassium	40000	41600	104.0	40000	41300	103.3	40000	43000	107.5
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Silicon									
Silver	250	245	98.0	250	243	97.2	250	245	98.0
Sodium	40000	42600	106.5	40000	41700	104.3	40000	44100	110.3*(a
Strontium									
Sulfur									
Thallium	2000	2120	106.0	2000	2110	105.5	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Zinc	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA34268 Units: ug/l

Time:		21:44			22:39			23:22	
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
(a) No samples reported for this element in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA34268 Units: ug/l

Time:				15:21		15:33		15:39	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	506	101.2	97.2	97.2	209	104.5
Antimony	6.0	20	3.0	19.7	98.5	2.3	76.7	5.9	98.3
Arsenic	8.0	20	3.0	20.5	102.5	3.5	116.7	9.8	122.5
Barium	200		4.0			3.9	97.5	213	106.5
Beryllium	2.0		1.0			0.90	90.0	2.1	105.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			0.90	90.0	3.3	110.0
Calcium	5000		1000			1040	104.0	5190	103.8
Chromium	10		2.0			1.5	75.0	10.9	109.0
Cobalt	50		3.0			2.9	96.7	52.8	105.6
Copper	10		2.0			2.1	105.0	10.8	108.0
Iron	100	500		533	106.6			112	112.0
Lead	3.0	20	2.5	22.1	110.5	3.3	132.0*(a	2.7	90.0
Lithium	20								
Magnesium	5000		100			105U	0.0* (a)	5090	101.8
Manganese	15		3.0			3.1	103.3	16.7	111.3
Molybdenum	20								
Nickel	10		4.0			4.7	117.5	10.6	106.0
Palladium	50								
Potassium	5000		2000			2020	101.0	5000	100.0
Selenium	10	20	5.0	21.3	106.5	5.1	102.0	14.7	147.0*(b
Silicon	200								
Silver	5.0		1.0			0.70	70.0	5.1	102.0
Sodium	5000		1000			1020	102.0	5170	103.4
Strontium	10								
Sulfur	50								
Thallium	10		2.0			1.6	80.0	9.5	95.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			1.5	75.0	52.7	105.4
Zinc	20		10			12.5	125.0	24.1	120.5

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA34268 Units: ug/l

Time:				15:21		15:33		15:39	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.
(b) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA34268 Units: ug/l

Time:				22:51		22:57		23:03	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	201	100.5	101	101.0	495	99.0
Antimony	6.0	20	3.0	5.4	90.0	2.4	80.0	19.9	99.5
Arsenic	8.0	20	3.0	9.7	121.3	3.8	126.7	20.3	101.5
Barium	200		4.0	214	107.0	4.0	100.0		
Beryllium	2.0		1.0	2.0	100.0	0.80	80.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.5	116.7	0.90	90.0		
Calcium	5000		1000	4830	96.6	973	97.3		
Chromium	10		2.0	10.6	106.0	1.5	75.0		
Cobalt	50		3.0	51.9	103.8	2.9	96.7		
Copper	10		2.0	10.9	109.0	2.0	100.0		
Iron	100	500		98.4	98.4			481	96.2
Lead	3.0	20	2.5	2.5	83.3	2.7	108.0	22.2	111.0
Lithium	20								
Magnesium	5000		100	4550	91.0	86.3U	0.0* (b)		
Manganese	15		3.0	16.2	108.0	3.1	103.3		
Molybdenum	20								
Nickel	10		4.0	10.4	104.0	4.4	110.0		
Palladium	50								
Potassium	5000		2000	5120	102.4	2050	102.5		
Selenium	10	20	5.0	15.9	159.0*(a	6.0	120.0	22.0	110.0
Silicon	200								
Silver	5.0		1.0	5.2	104.0	0.50	50.0*(b)		
Sodium	5000		1000	5350	107.0	1120	112.0		
Strontium	10								
Sulfur	50								
Thallium	10		2.0	10.5	105.0	1.7	85.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.0	104.0	1.6	80.0		
Zinc	20		10	23.7	118.5	12.0	120.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA34268 Units: ug/l

Time:				22:51		22:57		23:03	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.
(b) No samples reported for this element in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34268 Units: ug/l

Time:			15:45		15:51		23:09		23:16	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	511000	102.2	502000	100.4	519000	103.8	511000	102.2
Antimony		1000	5.6		1030	103.0	5.2		1050	105.0
Arsenic		1000	-4.2		1020	102.0	-5.0		1030	103.0
Barium		500	-1.6		493	98.6	-1.4		514	102.8
Beryllium		500	-0.10		484	96.8	-0.10		474	94.8
Bismuth		500	-14		490	98.0	-10		501	100.2
Boron			-0.70		2.5		0.0		1.1	
Cadmium		1000	0.60		1020	102.0	1.0		1030	103.0
Calcium	400000	400000	382000	95.5	379000	94.8	369000	92.3	366000	91.5
Chromium		500	1.1		487	97.4	1.3		481	96.2
Cobalt		500	0.70		484	96.8	0.50		485	97.0
Copper		500	-5.4		499	99.8	-6.7		502	100.4
Iron	200000	200000	186000	93.0	189000	94.5	171000	85.5	173000	86.5
Lead		1000	2.2		962	96.2	4.4		957	95.7
Lithium		500	4.6		506	101.2	4.5		537	107.4
Magnesium	500000	500000								
Manganese		500	-1.3		481	96.2	-1.3		476	95.2
Molybdenum		500	-1.4		494	98.8	-1.8		499	99.8
Nickel		1000	-1.2		963	96.3	-0.70		961	96.1
Palladium		500	1.6		529	105.8	-1.4		535	107.0
Potassium			208		194		217		166	
Selenium		1000	0.50		988	98.8	-1.7		989	98.9
Silicon			-8.4		-3.4		-5.8		-0.60	
Silver		1000	4.8		979	97.9	-4.1		975	97.5
Sodium			-11		-13		142		79.7	
Strontium			-4.6		-4.7		-3.8		-3.8	
Sulfur		500	-37		458	91.6	-35		463	92.6
Thallium		1000	0.10		959	95.9	-2.4		968	96.8
Tin			-2.1		-3.0		-3.2		-2.0	
Titanium			0.30		1.0		0.70		1.2	
Tungsten		500	4.7		507	101.4	1.1		517	103.4
Vanadium		500	1.0		455	91.0	0.90		454	90.8
Zinc		1000	0.40		951	95.1	0.60		945	94.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061814M1.ICP Date Analyzed: 06/18/14 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34268 Units: ug/l

Time:			15:45		15:51		23:09		23:16	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	0.20		506	101.2	-0.40		508	101.6

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
10:03	MA34279-STD1	1		STDA
10:09	MA34279-STD2	1		STDB
10:15	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:37	MA34279-ICV1	1		
10:51	MA34279-ICB1	1		
10:57	MA34279-ICCV1	1		
11:24	MA34279-CCB1	1		
11:31	MA34279-CRID1	1		
11:40	MA34279-CRI1	1		
11:46	MA34279-CRIA1	1		
11:52	MA34279-CRID2	1		
11:58	MA34279-ICSA1	1		
12:04	MA34279-ICSAB1	1		
12:10	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:22	MA34279-CCV1	1		
12:28	MA34279-CCB2	1		
12:35	MA34279-CRI2	1		
12:46	MP80145-MB1	1		
12:52	MP80145-LC1	1		
12:58	MP80145-S1	1		
13:04	MP80145-S2	1		
13:10	JB69504-4	1		(sample used for QC only; not part of login JB69123)
13:16	MP80145-SD1	5		
13:22	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:34	MA34279-CCV2	1		
13:40	MA34279-CCB3	1		
13:46	MP80145-S2	1		
13:52	ZZZZZZ	1		
13:58	MP80126-SD1	5		
---------->	Last reportable sample/prep for job JB69123			

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
14:04	MP80099-MB2	1		
14:11	MP80099-B2	1		
14:16	MP80099-LC2	1		
14:22	MP80099-S1	1		
14:28	MP80099-S2	1		
14:34	JB69023-2	1		(sample used for QC only; not part of login JB69123)
14:40	MA34279-CCV3	1		
14:46	MA34279-CCB4	1		
14:52	MP80099-SD1	5		
14:59	MP80099-PS1	1		
15:04	ZZZZZZ	3		
15:11	ZZZZZZ	3		
15:17	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:29	MP80114-MB1	1		
15:35	MP80114-MB2	1		
15:41	MP80114-LC1	1		
15:47	MA34279-CCV4	1		
15:53	MA34279-CCB5	1		
15:59	MP80114-LC2	1		
16:05	MP80114-S1	1		
16:11	MP80114-S2	1		
16:17	JB69030-9F	1		(sample used for QC only; not part of login JB69123)
16:23	MP80114-SD1	5		
16:29	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:54	MA34279-CCV5	1		
17:00	MA34279-CCB6	1		
17:06	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:18	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
17:24	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:55	ZZZZZZ	1		
18:01	MA34279-CCV6	1		
18:07	MA34279-CCB7	1		
18:13	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:37	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:01	ZZZZZZ	1		
19:07	MA34279-CCV7	1		
19:13	MA34279-CCB8	1		
19:20	MA34279-CRI3	1		
19:26	MA34279-CRID3	1		
19:32	MA34279-CRIA2	1		
19:38	MA34279-ICSA2	1		
19:44	MA34279-ICSAB2	1		
19:50	MA34279-CCV8	1		
19:56	MA34279-CCB9	1		
---------->	Last reportable CCB for job JB69123			
20:02	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:32	ZZZZZZ	1		
20:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:44	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:57	MA34279-CCV9	1		
21:02	MA34279-CCB10	1		
21:09	ZZZZZZ	1		
21:15	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:39	ZZZZZZ	1		
21:45	MP80155-MB1	1		
21:51	MP80155-LC1	1		
21:57	MP80155-S1	1		
22:03	MA34279-CCV10	1		
22:09	MA34279-CCB11	1		
22:16	MP80155-S2	1		
22:22	JB69295-1	1		(sample used for QC only; not part of login JB69123)
22:28	MP80155-SD1	5		
22:34	ZZZZZZ	1		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:11	MA34279-CCV11	1		
23:17	MA34279-CCB12	1		
23:23	ZZZZZZ	1		
23:29	ZZZZZZ	1		
23:35	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:54	ZZZZZZ	1		
00:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
00:06	ZZZZZZ	1		
00:12	ZZZZZZ	1		
00:18	MA34279-CCV12	1		
00:24	MA34279-CCB13	1		
00:31	MA34279-CRI4	1		
00:37	MA34279-CRID4	1		
00:43	MA34279-CRIA3	1		
00:49	MA34279-CCV13	1		
00:55	MA34279-CCB14	1		
01:01	ZZZZZZ	1		
01:07	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	MP80150-MB1	1		
01:26	MP80150-B1	1		
01:32	MP80150-S1	1		
01:38	MP80150-S2	1		
01:44	JB69569-16	1		(sample used for QC only; not part of login JB69123)
01:50	MP80150-SD1	5		
01:56	MA34279-CCV14	1		
02:02	MA34279-CCB15	1		
02:08	ZZZZZZ	1		
02:14	ZZZZZZ	1		
02:20	ZZZZZZ	1		
02:26	ZZZZZZ	1		
02:32	ZZZZZZ	1		
02:38	ZZZZZZ	1		
02:44	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:02	MA34279-CCV15	1		
03:08	MA34279-CCB16	1		
03:14	ZZZZZZ	1		
03:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
03:26	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:38	ZZZZZZ	1		
03:44	ZZZZZZ	1		
03:50	ZZZZZZ	1		
03:56	ZZZZZZ	1		
04:02	ZZZZZZ	1		
04:09	ZZZZZZ	1		
04:15	MA34279-CCV16	1		
04:21	MA34279-CCB17	1		
04:27	MA34279-CRI5	1		
04:33	MA34279-CRID5	1		
04:39	MA34279-CRIA4	1		
04:45	MA34279-CCV17	1		
04:51	MA34279-CCB18	1		
04:58	MA34279-CCV18	1		
05:04	MA34279-CCB19	1		
05:10	ZZZZZZ	1		
05:16	ZZZZZZ	1		
05:22	ZZZZZZ	1		
05:28	ZZZZZZ	1		
05:34	ZZZZZZ	1		
05:41	ZZZZZZ	1		
05:47	ZZZZZZ	1		
05:53	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
10:03	MA34279-STD1	1983 R	61550 R	9073 R	4324 R
10:09	MA34279-STD2	1796	54858	9232	3591
10:15	ZZZZZZ	1864	56885	9321	3772
10:21	ZZZZZZ	1994	61752	9609	4345
10:27	ZZZZZZ	1987	60793	9468	4264
10:37	MA34279-ICV1	1871	57385	9348	3787
10:51	MA34279-ICB1	1998	61527	9634	4352
10:57	MA34279-ICCV1	1911	57613	9452	3866
11:24	MA34279-CCB1	2034	60079	9380	4417
11:31	MA34279-CRID1	No results reported for the elements associated with this internal standard.			
11:40	MA34279-CRI1	No results reported for the elements associated with this internal standard.			
11:46	MA34279-CRIA1	2018	59939	9628	4370
11:52	MA34279-CRID2	1982	61961	9250	4289
11:58	MA34279-ICSA1	1698	50691	8768	3262
12:04	MA34279-ICSAB1	1710	52198	8852	3287
12:10	ZZZZZZ	1932	59711	9400	4193
12:16	ZZZZZZ	1937	60655	9411	4271
12:22	MA34279-CCV1	1878	57293	9382	3789
12:28	MA34279-CCB2	2016	61547	9483	4372
12:35	MA34279-CRI2	1965	60514	9508	4196
12:46	MP80145-MB1	2038	62538	9740	4460
12:52	MP80145-LC1	1967	60509	9588	4163
12:58	MP80145-S1	1883	57901	9437	3886
13:04	MP80145-S2	No results reported for the elements associated with this internal standard.			
13:10	JB69504-4	1928	59510	9627	4084
13:16	MP80145-SD1	1988	60992	9449	4283
13:22	ZZZZZZ	1900	58862	9792	3726
13:28	ZZZZZZ	1792	55234	9304	3613
13:34	MA34279-CCV2	1865	56432	9057	3758
13:40	MA34279-CCB3	1996	62011	9114	4311
13:46	MP80145-S2	1899	58166	9462	3905
13:52	ZZZZZZ	1999	61873	9699	4369
13:58	MP80126-SD1	1965	60138	9177	4091

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
14:04	MP80099-MB2	1989	61530	9584	4321
14:11	MP80099-B2	1972	59763	9518	4069
14:16	MP80099-LC2	1945	59953	9428	3935
14:22	MP80099-S1	1957	59213	9472	3968
14:28	MP80099-S2	1934	58601	9345	3930
14:34	JB69023-2	2000	61354	9614	4194
14:40	MA34279-CCV3	1875	56799	9189	3787
14:46	MA34279-CCB4	2015	62448	9636	4365
14:52	MP80099-SD1	1989	60952	9439	4276
14:59	MP80099-PS1	1827	56402	9167	3594
15:04	ZZZZZZ	1955	59751	9471	4021
15:11	ZZZZZZ	1910	58492	9219	3959
15:17	ZZZZZZ	1991	60732	9568	4140
15:23	ZZZZZZ	1990	59611	9375	4141
15:29	MP80114-MB1	2016	62327	9535	4373
15:35	MP80114-MB2	2008	62094	9517	4353
15:41	MP80114-LC1	1972	60391	9384	4155
15:47	MA34279-CCV4	1892	56887	9149	3811
15:53	MA34279-CCB5	2012	61451	9425	4346
15:59	MP80114-LC2	1976	60510	9455	4176
16:05	MP80114-S1	1854	57512	9248	3787
16:11	MP80114-S2	1852	57326	9273	3784
16:17	JB69030-9F	1902	58508	9357	3973
16:23	MP80114-SD1	1991	60515	9322	4262
16:29	ZZZZZZ	1942	61112	9308	4180
16:35	ZZZZZZ	1876	57820	9302	3880
16:41	ZZZZZZ	1909	58845	9315	3987
16:48	ZZZZZZ	1909	58971	9416	3971
16:54	MA34279-CCV5	1890	57843	9180	3806
17:00	MA34279-CCB6	2035	61158	9288	4381
17:06	ZZZZZZ	1865	56275	9182	3774
17:12	ZZZZZZ	1894	58141	9233	3958
17:18	ZZZZZZ	1874	57277	9276	3901

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ACCUTEST LABORATORIES
JB69123

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
17:24	ZZZZZZ	1915	57773	9129	3934
17:30	ZZZZZZ	1906	58496	9300	3982
17:36	ZZZZZZ	2054	63330	9620	4446
17:42	ZZZZZZ	1969	60390	9338	4206
17:48	ZZZZZZ	1857	56756	9077	3829
17:55	ZZZZZZ	1896	58531	9372	3970
18:01	MA34279-CCV6	1910	57122	9093	3843
18:07	MA34279-CCB7	2035	61976	9346	4375
18:13	ZZZZZZ	1897	57867	8941	3946
18:19	ZZZZZZ	1904	57284	9272	3846
18:25	ZZZZZZ	1911	58475	9263	3986
18:31	ZZZZZZ	1921	59495	9436	3998
18:37	ZZZZZZ	1917	58476	9205	3968
18:43	ZZZZZZ	2026	60091	9488	4036
18:49	ZZZZZZ	1979	59385	9318	4008
18:55	ZZZZZZ	2277	68116	10970	3744
19:01	ZZZZZZ	2136	63866	10403	3660
19:07	MA34279-CCV7	1960	56829	9058	3931
19:13	MA34279-CCB8	2055	62014	9351	4417
19:20	MA34279-CRI3	2008	60685	9287	4254
19:26	MA34279-CRID3	2055	62331	9427	4402
19:32	MA34279-CRIA2	2065	62377	9465	4434
19:38	MA34279-ICSA2	1758	52629	8794	3367
19:44	MA34279-ICSAB2	1766	52023	8598	3387
19:50	MA34279-CCV8	1916	58219	9190	3848
19:56	MA34279-CCB9	2048	62333	9307	4402
20:02	ZZZZZZ	1784	53672	9079	3173
20:08	ZZZZZZ	2377	70411	11419	3743
20:14	ZZZZZZ	1924	57799	9526	3435
20:20	ZZZZZZ	2210	65426	10638	3663
20:26	ZZZZZZ	2318	69955	11244	3576
20:32	ZZZZZZ	2033	60864	9532	3975
20:38	ZZZZZZ	2034	60856	9538	4022

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ACCUTEST LABORATORIES
JB69123

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:44	ZZZZZZ	2096	63218	9863	3903
20:51	ZZZZZZ	2003	60252	9434	4032
20:57	MA34279-CCV9	1921	57319	9025	3854
21:02	MA34279-CCB10	2061	60968	9405	4421
21:09	ZZZZZZ	1994	61350	9623	4024
21:15	ZZZZZZ	1989	60210	9368	4096
21:21	ZZZZZZ	2053	61994	9821	3866
21:27	ZZZZZZ	2018	60815	9762	3890
21:33	ZZZZZZ	1938	58039	9309	3893
21:39	ZZZZZZ	1951	58187	9283	3914
21:45	MP80155-MB1	2031	62903	9452	4379
21:51	MP80155-LC1	1973	60787	9308	4153
21:57	MP80155-S1	1793	54219	8959	3511
22:03	MA34279-CCV10	1937	57980	9180	3885
22:09	MA34279-CCB11	2084	62564	9532	4472
22:16	MP80155-S2	1780	55396	9060	3498
22:22	JB69295-1	1795	54521	9012	3545
22:28	MP80155-SD1	1957	59209	9379	4036
22:34	ZZZZZZ	1817	55738	9137	3644
22:40	ZZZZZZ	1777	54457	9081	3514
22:46	ZZZZZZ	1804	54876	9402	3583
22:52	ZZZZZZ	1918	60713	9585	4050
22:59	ZZZZZZ	1860	57866	9309	3824
23:05	ZZZZZZ	2009	62614	9587	4373
23:11	MA34279-CCV11	1899	57675	9213	3852
23:17	MA34279-CCB12	2044	62788	9394	4428
23:23	ZZZZZZ	1821	56462	8675	3694
23:29	ZZZZZZ	1856	58970	9719	3835
23:35	ZZZZZZ	1864	58242	9337	3834
23:41	ZZZZZZ	1789	55223	9292	3557
23:48	ZZZZZZ	1804	58702	9118	3637
23:54	ZZZZZZ	1780	54645	9145	3527
00:00	ZZZZZZ	1767	54309	8972	3518

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
00:06	ZZZZZZ	1919	60024	9478	4052
00:12	ZZZZZZ	1871	58723	9285	3862
00:18	MA34279-CCV12	1901	58375	9248	3853
00:24	MA34279-CCB13	2007	63277	9609	4353
00:31	MA34279-CRI4	2004	61934	9461	4284
00:37	MA34279-CRID4	2036	62882	9541	4390
00:43	MA34279-CRIA3	2041	62978	9531	4418
00:49	MA34279-CCV13	1891	57950	9229	3837
00:55	MA34279-CCB14	2006	62000	9464	4354
01:01	ZZZZZZ	1823	57841	9089	3715
01:07	ZZZZZZ	1887	59006	9371	3919
01:14	ZZZZZZ	1848	57903	9372	3812
01:20	MP80150-MB1	1996	63169	9654	4359
01:26	MP80150-B1	1962	60591	9506	4088
01:32	MP80150-S1	1902	59568	9681	3766
01:38	MP80150-S2	1898	59109	9592	3766
01:44	JB69569-16	1944	59811	9654	3839
01:50	MP80150-SD1	1990	61165	9405	4151
01:56	MA34279-CCV14	1907	58048	9224	3869
02:02	MA34279-CCB15	2030	62468	9445	4398
02:08	ZZZZZZ	1997	61433	9909	3763
02:14	ZZZZZZ	1974	60870	9821	3840
02:20	ZZZZZZ	1950	60326	9658	3903
02:26	ZZZZZZ	2029	62542	9895	4028
02:32	ZZZZZZ	2019	61382	9687	3982
02:38	ZZZZZZ	2007	60910	9672	3979
02:44	ZZZZZZ	1968	60051	9531	3943
02:50	ZZZZZZ	1925	59101	9441	3900
02:56	ZZZZZZ	1891	58608	9461	3780
03:02	MA34279-CCV15	1877	57818	9198	3817
03:08	MA34279-CCB16	2026	62711	9492	4379
03:14	ZZZZZZ	1910	59683	9673	3776
03:20	ZZZZZZ	1904	59654	9637	3779

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: TG Run ID: MA34279
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
03:26	ZZZZZZ	1924	62901	9822	3816
03:32	ZZZZZZ	1939	60320	9752	3864
03:38	ZZZZZZ	1944	60774	9910	3907
03:44	ZZZZZZ	1881	58685	9592	3701
03:50	ZZZZZZ	1902	59721	9745	3786
03:56	ZZZZZZ	1851	58748	9644	3875
04:02	ZZZZZZ	1844	59892	9785	4322
04:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
04:15	MA34279-CCV16	1833	58307	9490	3744
04:21	MA34279-CCB17	1956	62059	9687	4259
04:27	MA34279-CRI5	1948	61730	9596	4193
04:33	MA34279-CRID5	1979	63024	9848	4302
04:39	MA34279-CRIA4	1966	63021	9907	4287
04:45	MA34279-CCV17	1812	57463	9449	3719
04:51	MA34279-CCB18	1946	62431	9837	4259
04:58	MA34279-CCV18	1837	57332	9489	3771
05:04	MA34279-CCB19	2000	63170	9976	4364
05:10	ZZZZZZ	1937	57835	9625	3751
05:16	ZZZZZZ	1953	62374	9780	4264
05:22	ZZZZZZ	1936	62430	9804	4227
05:28	ZZZZZZ	1951	63918	9972	4254
05:34	ZZZZZZ	1952	63596	9899	4263
05:41	ZZZZZZ	1962	63314	9936	4298
05:47	ZZZZZZ	1993	63068	9900	4366
05:53	ZZZZZZ	1729	55639	9357	3553

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time: / Sample ID:			10:51 ICB1		11:24 CCB1		12:28 CCB2		13:40 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	2.4	<200	13.8	<200	3.5	<200	3.8	<200
Antimony	6.0	1.6	0.60	<6.0	0.0	<6.0	0.50	<6.0	-0.40	<6.0
Arsenic	3.0	1.1	0.0	<3.0	0.0	<3.0	1.1	<3.0	1.9	<3.0
Barium	200	.2	0.0	<200	0.20	<200	0.0	<200	0.10	<200
Beryllium	1.0	.2	0.20	<1.0	0.20	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	0.20	<3.0	0.20	<3.0	0.10	<3.0	0.0	<3.0
Calcium	5000	8.7	2.1	<5000	3.9	<5000	-0.30	<5000	3.5	<5000
Chromium	10	.4	0.30	<10	0.50	<10	0.20	<10	0.70	<10
Cobalt	50	.2	0.0	<50	0.0	<50	0.0	<50	0.10	<50
Copper	10	.7	0.20	<10	0.30	<10	0.10	<10	-0.10	<10
Iron	100	5.1	-1.6	<100	2.6	<100	-1.2	<100	3.9	<100
Lead	3.0	1.5	-0.60	<3.0	-0.90	<3.0	-0.80	<3.0	-1.0	<3.0
Lithium	20	.9								
Magnesium	5000	37	7.7	<5000	22.1	<5000	-1.2	<5000	7.6	<5000
Manganese	15	.2	0.10	<15	0.30	<15	0.10	<15	0.10	<15
Molybdenum	20	.3								
Nickel	10	.4	0.20	<10	-0.10	<10	-0.20	<10	0.20	<10
Palladium	50	2.1								
Potassium	10000	32	35.1	<10000	13.0	<10000	10.8	<10000	28.7	<10000
Selenium	10	2.6	0.90	<10	-0.60	<10	-0.80	<10	0.50	<10
Silicon	200	12								
Silver	10	.7	-0.10	<10	-0.20	<10	-0.40	<10	-0.60	<10
Sodium	10000	61	-2.1	<10000	-5.2	<10000	-10	<10000	10.2	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	0.20	<2.0	0.10	<2.0	-0.60	<2.0	-0.70	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	-0.10	<50	0.30	<50	0.0	<50	-0.20	<50
Zinc	20	.5	0.20	<20	0.10	<20	0.0	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time:			10:51		11:24		12:28		13:40	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time: / Sample ID:			14:46 CCB4		15:53 CCB5		17:00 CCB6		18:07 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.3	5.4	<200	5.9	<200	14.0	<200	1.0	<200
Antimony	6.0	1.6	0.90	<6.0	0.20	<6.0	0.80	<6.0	-0.20	<6.0
Arsenic	3.0	1.1	0.80	<3.0	1.6	<3.0	1.1	<3.0	0.80	<3.0
Barium	200	.2	0.20	<200	0.30	<200	0.10	<200	0.20	<200
Beryllium	1.0	.2	0.20	<1.0	0.20	<1.0	0.20	<1.0	0.20	<1.0
Bismuth	20	1.1								
Boron	100	1								
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.20	<3.0	0.40	<3.0
Calcium	5000	8.7	2.2	<5000	4.1	<5000	0.50	<5000	0.0	<5000
Chromium	10	.4	0.80	<10	0.10	<10	0.20	<10	0.30	<10
Cobalt	50	.2	0.0	<50	0.20	<50	0.20	<50	0.10	<50
Copper	10	.7	0.0	<10	-0.20	<10	0.30	<10	-0.20	<10
Iron	100	5.1	3.1	<100	6.4	<100	1.0	<100	0.50	<100
Lead	3.0	1.5	-0.90	<3.0	-0.40	<3.0	-0.80	<3.0	-1.1	<3.0
Lithium	20	.9								
Magnesium	5000	37	7.6	<5000	11.2	<5000	14.3	<5000	20.4	<5000
Manganese	15	.2	0.20	<15	0.10	<15	0.20	<15	0.20	<15
Molybdenum	20	.3								
Nickel	10	.4	0.20	<10	0.10	<10	0.20	<10	0.10	<10
Palladium	50	2.1								
Potassium	10000	32	33.7	<10000	8.1	<10000	25.2	<10000	19.5	<10000
Selenium	10	2.6	-1.7	<10	-1.0	<10	0.30	<10	0.10	<10
Silicon	200	12								
Silver	10	.7	0.0	<10	-0.10	<10	-0.40	<10	-0.40	<10
Sodium	10000	61	-7.8	<10000	-4.3	<10000	-6.8	<10000	-4.7	<10000
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.2	0.20	<2.0	-1.3	<2.0	0.0	<2.0	-0.50	<2.0
Tin	10	1.1								
Titanium	10	.6								
Tungsten	50	4.3								
Vanadium	50	.3	0.0	<50	0.10	<50	0.0	<50	0.10	<50
Zinc	20	.5	0.10	<20	0.20	<20	0.20	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time: / Sample ID:			14:46 CCB4		15:53 CCB5		17:00 CCB6		18:07 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time:			19:13		19:56	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.3	7.4	<200	6.8	<200
Antimony	6.0	1.6	0.40	<6.0	1.1	<6.0
Arsenic	3.0	1.1	0.0	<3.0	0.60	<3.0
Barium	200	.2	0.20	<200	0.40	<200
Beryllium	1.0	.2	0.20	<1.0	0.30	<1.0
Bismuth	20	1.1				
Boron	100	1				
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0
Calcium	5000	8.7	7.3	<5000	6.8	<5000
Chromium	10	.4	0.50	<10	0.30	<10
Cobalt	50	.2	0.30	<50	0.30	<50
Copper	10	.7	-0.30	<10	0.0	<10
Iron	100	5.1	3.9	<100	8.2	<100
Lead	3.0	1.5	-0.10	<3.0	-0.10	<3.0
Lithium	20	.9				
Magnesium	5000	37	14.9	<5000	18.8	<5000
Manganese	15	.2	0.30	<15	0.40	<15
Molybdenum	20	.3				
Nickel	10	.4	0.0	<10	0.10	<10
Palladium	50	2.1				
Potassium	10000	32	22.9	<10000	14.0	<10000
Selenium	10	2.6	-1.1	<10	0.80	<10
Silicon	200	12				
Silver	10	.7	-0.30	<10	-0.40	<10
Sodium	10000	61	-1.8	<10000	-5.1	<10000
Sulfur	50	4.1				
Strontium	10	.1				
Thallium	2.0	1.2	0.0	<2.0	0.10	<2.0
Tin	10	1.1				
Titanium	10	.6				
Tungsten	50	4.3				
Vanadium	50	.3	0.20	<50	0.20	<50
Zinc	20	.5	0.40	<20	0.40	<20

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34279 Units: ug/l

Time:			19:13		19:56	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.3				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		10:57	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39800	99.5
Antimony	2000	1980	99.0
Arsenic	2000	1970	98.5
Barium	2000	2030	101.5
Beryllium	2000	2050	102.5
Bismuth			
Boron			
Cadmium	2000	1980	99.0
Calcium	40000	40400	101.0
Chromium	2000	2050	102.5
Cobalt	2000	1980	99.0
Copper	2000	1970	98.5
Iron	40000	40600	101.5
Lead	2000	2030	101.5
Lithium			
Magnesium	40000	39600	99.0
Manganese	2000	2060	103.0
Molybdenum			
Nickel	2000	2020	101.0
Palladium			
Potassium	40000	39500	98.8
Selenium	2000	1970	98.5
Silicon			
Silver	250	242	96.8
Sodium	40000	39800	99.5
Sulfur			
Strontium			
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2010	100.5
Zinc	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		10:57	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		10:37			12:22			13:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39800	99.5	40000	40500	101.3
Antimony	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2020	101.0	2000	2020	101.0	2000	2040	102.0
Barium	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Beryllium	2000	2040	102.0	2000	2050	102.5	2000	2090	104.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40500	101.3	40000	40500	101.3	40000	41300	103.3
Chromium	2000	2030	101.5	2000	2080	104.0	2000	2100	105.0
Cobalt	2000	1980	99.0	2000	2050	102.5	2000	2060	103.0
Copper	2000	1940	97.0	2000	1970	98.5	2000	1990	99.5
Iron	40000	40900	102.3	40000	40300	100.8	40000	41100	102.8
Lead	2000	2040	102.0	2000	2100	105.0	2000	2110	105.5
Lithium									
Magnesium	40000	40000	100.0	40000	39600	99.0	40000	40700	101.8
Manganese	2000	2030	101.5	2000	2090	104.5	2000	2110	105.5
Molybdenum									
Nickel	2000	2030	101.5	2000	2090	104.5	2000	2100	105.0
Palladium									
Potassium	40000	40300	100.8	40000	39700	99.3	40000	40200	100.5
Selenium	2000	1990	99.5	2000	2030	101.5	2000	2040	102.0
Silicon									
Silver	250	239	95.6	250	242	96.8	250	246	98.4
Sodium	40000	39900	99.8	40000	39900	99.8	40000	40300	100.8
Sulfur									
Strontium									
Thallium	2000	2080	104.0	2000	2120	106.0	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1860	93.0*(a)	2000	2030	101.5	2000	2040	102.0
Zinc	2000	2050	102.5	2000	2100	105.0	2000	2110	105.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		10:37			12:22			13:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		14:40			15:47			16:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40500	101.3	40000	40500	101.3	40000	40000	100.0
Antimony	2000	2040	102.0	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Barium	2000	2060	103.0	2000	2050	102.5	2000	2020	101.0
Beryllium	2000	2080	104.0	2000	2070	103.5	2000	2040	102.0
Bismuth									
Boron									
Cadmium	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Calcium	40000	41100	102.8	40000	41100	102.8	40000	40500	101.3
Chromium	2000	2090	104.5	2000	2100	105.0	2000	2050	102.5
Cobalt	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	1980	99.0	2000	1950	97.5
Iron	40000	40800	102.0	40000	40700	101.8	40000	40000	100.0
Lead	2000	2110	105.5	2000	2100	105.0	2000	2100	105.0
Lithium									
Magnesium	40000	40200	100.5	40000	40300	100.8	40000	39700	99.3
Manganese	2000	2100	105.0	2000	2100	105.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2090	104.5	2000	2090	104.5	2000	2080	104.0
Palladium									
Potassium	40000	40500	101.3	40000	40300	100.8	40000	39700	99.3
Selenium	2000	2040	102.0	2000	2020	101.0	2000	2020	101.0
Silicon									
Silver	250	245	98.0	250	245	98.0	250	240	96.0
Sodium	40000	40600	101.5	40000	40500	101.3	40000	39900	99.8
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2120	106.0	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2040	102.0	2000	2000	100.0
Zinc	2000	2100	105.0	2000	2110	105.5	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		14:40			15:47			16:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		18:01			19:07			19:50	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40300	100.8	40000	39300	98.3
Antimony	2000	2000	100.0	2000	1950	97.5	2000	2000	100.0
Arsenic	2000	1990	99.5	2000	1950	97.5	2000	2000	100.0
Barium	2000	2040	102.0	2000	2040	102.0	2000	1980	99.0
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2000	100.0
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	1950	97.5	2000	2010	100.5
Calcium	40000	40700	101.8	40000	40700	101.8	40000	39700	99.3
Chromium	2000	2080	104.0	2000	2110	105.5	2000	2040	102.0
Cobalt	2000	2020	101.0	2000	1970	98.5	2000	2030	101.5
Copper	2000	1970	98.5	2000	1980	99.0	2000	1930	96.5
Iron	40000	40100	100.3	40000	39900	99.8	40000	38800	97.0
Lead	2000	2090	104.5	2000	2040	102.0	2000	2100	105.0
Lithium									
Magnesium	40000	40000	100.0	40000	39900	99.8	40000	39000	97.5
Manganese	2000	2100	105.0	2000	2120	106.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2020	101.0	2000	2070	103.5
Palladium									
Potassium	40000	39900	99.8	40000	40100	100.3	40000	39000	97.5
Selenium	2000	2000	100.0	2000	1950	97.5	2000	2010	100.5
Silicon									
Silver	250	241	96.4	250	244	97.6	250	237	94.8
Sodium	40000	40200	100.5	40000	40200	100.5	40000	39000	97.5
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2040	102.0	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2030	101.5	2000	2040	102.0	2000	1980	99.0
Zinc	2000	2080	104.0	2000	2020	101.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34279 Units: ug/l

Time:		18:01			19:07			19:50	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34279 Units: ug/l

Time:				11:46		11:52		12:35	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	493	98.6	109	109.0	210	105.0
Antimony	6.0	20	3.0	19.5	97.5			6.7	111.7
Arsenic	8.0	20	3.0	19.1	95.5	3.2	106.7	9.7	121.3
Barium	200		4.0			4.3	107.5	208	104.0
Beryllium	2.0		1.0			1.1	110.0	2.2	110.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			1.1	110.0	3.5	116.7
Calcium	5000		1000			1070	107.0	5020	100.4
Chromium	10		2.0			2.4	120.0	11.2	112.0
Cobalt	50		3.0			3.1	103.3	51.8	103.6
Copper	10		2.0			2.0	100.0	10.2	102.0
Iron	100	500		517	103.4			107	107.0
Lead	3.0	20	2.5	19.6	98.0	1.9	76.0	3.5	116.7
Lithium	20								
Magnesium	5000		100					4990	99.8
Manganese	15		3.0			3.3	110.0	16.4	109.3
Molybdenum	20								
Nickel	10		4.0			4.5	112.5	10.4	104.0
Palladium	50								
Potassium	5000		2000			2050	102.5	4860	97.2
Selenium	10	20	5.0	20.5	102.5	4.1	82.0	12.8	128.0
Silicon	200								
Silver	5.0		1.0					4.8	96.0
Sodium	5000		1000			1030	103.0	4980	99.6
Sulfur	50								
Strontium	10								
Thallium	10		2.0			2.0	100.0	10.9	109.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			1.5	75.0	51.4	102.8
Zinc	20		10			11.9	119.0	24.2	121.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34279 Units: ug/l

Time:				11:46		11:52		12:35	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34279 Units: ug/l

Time:				19:20		19:26		19:32	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	204	102.0	98.1	98.1	496	99.2
Antimony	6.0	20	3.0	6.2	103.3	3.5	116.7	19.6	98.0
Arsenic	8.0	20	3.0	8.8	110.0	3.5	116.7	19.6	98.0
Barium	200		4.0	208	104.0	4.0	100.0		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.6	120.0	1.2	120.0		
Calcium	5000		1000	5020	100.4	1020	102.0		
Chromium	10		2.0	11.0	110.0	2.2	110.0		
Cobalt	50		3.0	51.3	102.6	2.9	96.7		
Copper	10		2.0	10.1	101.0	1.8	90.0		
Iron	100	500		105	105.0			508	101.6
Lead	3.0	20	2.5	2.5	83.3	1.9	76.0	20.6	103.0
Lithium	20								
Magnesium	5000		100	4950	99.0	113	113.0		
Manganese	15		3.0	16.5	110.0	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	10.6	106.0	4.6	115.0		
Palladium	50								
Potassium	5000		2000	4880	97.6	1950	97.5		
Selenium	10	20	5.0	10.9	109.0	5.4	108.0	18.5	92.5
Silicon	200								
Silver	5.0		1.0	4.4	88.0	0.70	70.0		
Sodium	5000		1000	4970	99.4	978	97.8		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.1	111.0	1.6	80.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	50.9	101.8	2.0	100.0		
Zinc	20		10	23.9	119.5	11.7	117.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34279 Units: ug/l

Time:				19:20		19:26		19:32	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34279 Units: ug/l

Time:			11:58		12:04		19:38		19:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	515000	103.0	506000	101.2	508000	101.6	512000	102.4
Antimony		1000	5.1		1060	106.0	4.5		1030	103.0
Arsenic		1000	4.8		1080	108.0	0.90		1060	106.0
Barium		500	-1.4		519	103.8	-1.4		522	104.4
Beryllium		500	0.0		511	102.2	-0.10		512	102.4
Bismuth		500	-14		526	105.2	-11		509	101.8
Boron			-0.80		2.3		-0.10		3.0	
Cadmium		1000	1.1		1030	103.0	1.1		1000	100.0
Calcium	400000	400000	387000	96.8	377000	94.3	377000	94.3	379000	94.8
Chromium		500	1.1		485	97.0	1.4		490	98.0
Cobalt		500	0.60		491	98.2	0.50		482	96.4
Copper		500	-6.0		521	104.2	-5.9		522	104.4
Iron	200000	200000	187000	93.5	187000	93.5	179000	89.5	184000	92.0
Lead		1000	3.0		975	97.5	5.5		967	96.7
Lithium		500	22.6		570	114.0	20.8		573	114.6
Magnesium	500000	500000	527000	105.4	520000	104.0	512000	102.4	521000	104.2
Manganese		500	-0.80		497	99.4	-1.6		502	100.4
Molybdenum		500	-3.2		507	101.4	-2.7		496	99.2
Nickel		1000	-0.50		990	99.0	-1.4		974	97.4
Palladium		500	0.10		549	109.8	0.50		548	109.6
Potassium			187		178		177		162	
Selenium		1000	-1.6		1080	108.0	-1.7		1050	105.0
Silicon			-4.2		-1.3		-2.7		-1.4	
Silver		1000	5.1		985	98.5	3.6		985	98.5
Sodium			-1.1		8.5		-22		-19	
Sulfur		500	-34		439	87.8	-37		428	85.6
Strontium			-4.8		-4.6		-4.5		-4.6	
Thallium		1000	0.70		967	96.7	-0.30		943	94.3
Tin			-3.2		-3.0		-3.8		-3.6	
Titanium			-0.20		0.40		-0.50		0.20	
Tungsten		500	6.2		516	103.2	3.2		505	101.0
Vanadium		500	0.90		455	91.0	1.7		458	91.6
Zinc		1000	-0.30		969	96.9	-0.50		954	95.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34279 Units: ug/l

Time:			11:58		12:04		19:38		19:44	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	0.50		570	114.0	0.20		569	113.8

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:00	MA34282-STD1	1		IEC 5/9/14
11:06	MA34282-STD2	1		STDB
11:12	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:25	MA34282-ICV1	1		
11:44	MA34282-ICB1	1		
11:50	MA34282-ICCV1	1		
12:20	MA34282-CCB1	1		
12:31	MA34282-CRI1	1		
12:37	MA34282-CRID1	1		
12:43	MA34282-CRI2	1		
12:50	MA34282-CRIA1	1		
12:56	MA34282-ICSA1	1		
13:03	MA34282-ICSAB1	1		
13:09	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:22	MA34282-CCV1	1		
13:28	MA34282-CCB2	1		
13:34	MA34282-CRI3	1		
13:40	MA34282-CRID2	1		
13:46	ZZZZZZ	1		
13:53	ZZZZZZ	2		
13:59	ZZZZZZ	2		
14:05	ZZZZZZ	1		
14:11	MP80146-MB1	1		
14:17	MP80146-MB2	1		
14:23	MP80146-LC1	1		
14:30	MA34282-CCV2	1		
14:36	MA34282-CCB3	1		
14:42	MP80146-LC2	1		
14:48	ZZZZZZ	1		
14:54	ZZZZZZ	1		
15:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:06	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:25	MP80146-S1	1		
15:31	MP80146-S2	1		
15:37	MA34282-CCV3	1		
15:43	MA34282-CCB4	1		
15:49	JB69550-4	1		(sample used for QC only; not part of login JB69123)
15:56	MP80146-SD1	5		
16:02	MP80146-S3	1		
16:08	MP80146-S4	1		
16:14	JB69550-4F	1		(sample used for QC only; not part of login JB69123)
16:20	MP80146-SD2	5		
16:27	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:45	MA34282-CCV4	1		
16:51	MA34282-CCB5	1		
16:58	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:29	MP80132-MB1	1		Batch to reanalyze for low Sb DL, CRID-s out
17:35	MP80132-LC1	1		
17:41	MP80132-S1	1		
17:47	MP80132-S2	1		
17:53	MA34282-CCV5	1		
17:59	MA34282-CCB6	1		
18:06	JB69115-3	1		(sample used for QC only; not part of login JB69123)
18:12	MP80132-SD1	5		
18:18	MP80132-S3	1		
18:24	MP80132-S4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
18:31	JB69115-3F	1		(sample used for QC only; not part of login JB69123)
18:37	MP80132-SD2	5		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	MA34282-CCV6	1		
19:08	MA34282-CCB7	1		
19:14	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:05	ZZZZZZ	1		
20:11	MA34282-CCV7	1		
20:17	MA34282-CCB8	1		
20:24	MA34282-CRI4	1		
20:30	MA34282-CRID3	1		
20:36	MA34282-CRIA2	1		
20:43	MA34282-ICSA2	1		
20:49	MA34282-ICSAB2	1		
20:55	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:14	MA34282-CCV8	1		
21:20	MA34282-CCB9	1		
21:27	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:39	ZZZZZZ	1		
21:45	MP80152-MB1	1		
21:51	MP80152-LC1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
21:57	MP80152-S1	1		
22:04	MP80152-S2	1		
22:10	JB68948-2F	1		(sample used for QC only; not part of login JB69123)
22:16	MP80152-SD1	1		empty
22:22	MA34282-CCV9	1		
22:28	MA34282-CCB10	1		
22:35	ZZZZZZ	1		
22:41	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:53	ZZZZZZ	1		
23:00	ZZZZZZ	1		
23:06	JB69123-7	1		
---------->	Last reportable sample/prep for job JB69123			
23:12	ZZZZZZ	1		
23:18	ZZZZZZ	1		
23:25	ZZZZZZ	1		
23:31	MA34282-CCV10	1		
23:37	MA34282-CCB11	1		
23:43	ZZZZZZ	1		
23:50	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:02	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:15	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:27	ZZZZZZ	1		
00:33	ZZZZZZ	1		
00:40	MA34282-CCV11	1		
00:46	MA34282-CCB12	1		
00:52	ZZZZZZ	1		
00:58	MP80113-MB1	1		
01:05	MP80113-MB2	1		
01:11	MP80113-LC1	1		
01:17	MP80113-LC2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:23	MP80113-S1	1		
01:29	MP80113-S2	1		
01:35	JB69017-8F	1		(sample used for QC only; not part of login JB69123)
01:41	MP80113-SD1	5		
01:48	MA34282-CCV12	1		
01:54	MA34282-CCB13	1		
02:00	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:12	ZZZZZZ	1		
02:19	ZZZZZZ	1		
02:25	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:37	ZZZZZZ	1		
02:44	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	MA34282-CCV13	1		
03:02	MA34282-CCB14	1		
03:08	ZZZZZZ	1		
03:15	ZZZZZZ	1		
03:21	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:33	ZZZZZZ	1		
03:39	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:58	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:11	MA34282-CCV14	1		
04:17	MA34282-CCB15	1		
04:23	MA34282-CRI5	1		
04:29	MA34282-CRID4	1		
04:35	MA34282-CRIA3	1		
04:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
04:48	ZZZZZZ	1		
04:54	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:07	MA34282-CCV15	1		
05:13	MA34282-CCB16	1		
05:19	MP80139-MB1	1		CRID out for Sb
05:26	MP80139-LC1	1		CRID out for Sb
05:32	MP80139-S1	1		CRID out for Sb
05:38	MP80139-S2	1		CRID out for Sb
05:44	JB69115-5	1		(sample used for QC only; not part of login JB69123)
05:50	MP80139-SD1	5		CRID out for Sb
05:57	MP80139-S3	1		CRID out for Sb
06:03	MP80139-S4	1		CRID out for Sb
06:09	JB69115-5F	1		(sample used for QC only; not part of login JB69123)
06:15	MP80139-SD2	5		CRID out for Sb
06:22	MA34282-CCV16	1		
06:28	MA34282-CCB17	1		
06:34	ZZZZZZ	1		
06:40	ZZZZZZ	1		
06:46	ZZZZZZ	1		
06:53	ZZZZZZ	1		
06:59	ZZZZZZ	1		
07:05	ZZZZZZ	1		
07:11	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:24	ZZZZZZ	1		
07:30	MA34282-CCV17	1		
07:36	MA34282-CCB18	1		
07:42	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:55	ZZZZZZ	1		
08:01	ZZZZZZ	1		
08:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:13	ZZZZZZ	1		
08:19	ZZZZZZ	1		
08:26	ZZZZZZ	1		
08:32	MA34282-CCV18	1		
08:38	MA34282-CCB19	1		
08:44	MA34282-CRI6	1		
08:50	MA34282-CRID5	1		
08:57	MA34282-CRIA4	1		
09:03	MA34282-CCV19	1		
09:08	MA34282-CCB20	1		
09:12	MA34282-ICSA3	1		
09:17	MA34282-ICSAB3	1		
09:22	MA34282-CCV20	1		
09:28	MA34282-CCB21	1		
---------->	Last reportable CCB for job JB69123			
	Refer to raw data for calibration curve and standards.			

10.3
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INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:00	MA34282-STD1	2208 R	98255 R	13394 R	6987 R
11:06	MA34282-STD2	2079	92232	13322	6228
11:12	ZZZZZZ	2119	93779	13278	6384
11:18	ZZZZZZ	2223	100980	13351	7058
11:25	MA34282-ICV1	2149	94940	13489	6459
11:44	MA34282-ICB1	2219	98783	13471	7012
11:50	MA34282-ICCV1	2138	93141	13325	6417
12:20	MA34282-CCB1	2231	100140	13289	7044
12:31	MA34282-CRI1	No results reported for the elements associated with this internal standard.			
12:37	MA34282-CRID1	No results reported for the elements associated with this internal standard.			
12:43	MA34282-CRI2	No results reported for the elements associated with this internal standard.			
12:50	MA34282-CRIA1	2277	101700	13576	7170
12:56	MA34282-ICSA1	1986	86145	13021	5803
13:03	MA34282-ICSAB1	1999	87103	13015	5851
13:09	ZZZZZZ	2195	97344	13328	7051
13:15	ZZZZZZ	2177	99559	13307	7029
13:22	MA34282-CCV1	2162	95520	13310	6508
13:28	MA34282-CCB2	2248	100180	13450	7094
13:34	MA34282-CRI3	2230	99304	13352	6977
13:40	MA34282-CRID2	2247	100420	13469	7073
13:46	ZZZZZZ	2242	101450	13668	7100
13:53	ZZZZZZ	2200	97965	13922	6791
13:59	ZZZZZZ	2191	97407	13817	6584
14:05	ZZZZZZ	2262	100930	14501	6517
14:11	MP80146-MB1	2274	102910	13732	7198
14:17	MP80146-MB2	2237	100330	13631	7078
14:23	MP80146-LC1	2198	99040	13702	6865
14:30	MA34282-CCV2	2158	95540	13394	6498
14:36	MA34282-CCB3	2235	101010	13381	7058
14:42	MP80146-LC2	2222	100630	13739	6920
14:48	ZZZZZZ	2231	99626	13365	6866
14:54	ZZZZZZ	2293	103780	14079	6730
15:00	ZZZZZZ	2200	98421	13592	6769

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:06	ZZZZZZ	2306	102540	14179	6747
15:13	ZZZZZZ	2181	96124	13566	6701
15:19	ZZZZZZ	2306	102780	14312	6783
15:25	MP80146-S1	2130	95205	13440	6410
15:31	MP80146-S2	2118	94515	13405	6380
15:37	MA34282-CCV3	2154	95569	13353	6483
15:43	MA34282-CCB4	2208	98899	13147	6979
15:49	JB69550-4	2144	94711	13352	6517
15:56	MP80146-SD1	2226	99184	13397	6956
16:02	MP80146-S3	2137	94977	13549	6420
16:08	MP80146-S4	2136	95614	13505	6409
16:14	JB69550-4F	2154	95697	13338	6560
16:20	MP80146-SD2	2219	98218	13405	6929
16:27	ZZZZZZ	2178	97377	13464	6667
16:33	ZZZZZZ	2110	94469	13370	6358
16:39	ZZZZZZ	2058	91969	12986	6155
16:45	MA34282-CCV4	2152	94740	13279	6463
16:51	MA34282-CCB5	2249	101100	13380	7104
16:58	ZZZZZZ	2265	102300	13709	7176
17:04	ZZZZZZ	2154	96110	13282	6589
17:10	ZZZZZZ	2097	92881	13107	6323
17:16	ZZZZZZ	2065	91370	13041	6169
17:22	ZZZZZZ	2191	97675	13380	6831
17:29	MP80132-MB1	2245	100570	13531	7110
17:35	MP80132-LC1	2224	99045	13500	6919
17:41	MP80132-S1	2111	93854	13310	6331
17:47	MP80132-S2	2106	94854	13263	6327
17:53	MA34282-CCV5	2153	94738	13118	6476
17:59	MA34282-CCB6	2254	100730	13343	7112
18:06	JB69115-3	2156	97153	13394	6548
18:12	MP80132-SD1	2226	100130	13374	6939
18:18	MP80132-S3	2121	95215	13286	6372
18:24	MP80132-S4	2117	95215	13372	6368

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
18:31	JB69115-3F	2150	95651	13306	6530
18:37	MP80132-SD2	2191	96931	13274	6828
18:43	ZZZZZZ	2156	96404	13359	6607
18:49	ZZZZZZ	2142	95271	13273	6461
18:56	ZZZZZZ	1878	83926	12776	5351
19:02	MA34282-CCV6	2163	95465	13126	6494
19:08	MA34282-CCB7	2237	99510	13244	7054
19:14	ZZZZZZ	1901	84219	12732	5416
19:21	ZZZZZZ	2153	97113	13308	6623
19:27	ZZZZZZ	2258	102850	13507	7162
19:33	ZZZZZZ	2154	96429	13371	6623
19:40	ZZZZZZ	2146	96044	13356	6496
19:46	ZZZZZZ	1868	83675	12709	5330
19:52	ZZZZZZ	1889	83456	12685	5376
19:59	ZZZZZZ	2167	97113	13390	6671
20:05	ZZZZZZ	2267	102040	13438	7172
20:11	MA34282-CCV7	2175	96423	13075	6534
20:17	MA34282-CCB8	2253	100600	13188	7105
20:24	MA34282-CRI4	2246	100590	13188	7018
20:30	MA34282-CRID3	2242	99506	13157	7053
20:36	MA34282-CRIA2	2253	101140	13139	7097
20:43	MA34282-ICSA2	2016	87622	12948	5866
20:49	MA34282-ICSAB2	2014	87579	12795	5887
20:55	ZZZZZZ	2250	101510	13132	7097
21:02	ZZZZZZ	2268	93985	13516	6501
21:08	ZZZZZZ	2255	100550	13079	7111
21:14	MA34282-CCV8	2183	95810	13097	6538
21:20	MA34282-CCB9	2249	100830	13079	7099
21:27	ZZZZZZ	2140	94931	13260	6444
21:33	ZZZZZZ	2190	97923	13427	6698
21:39	ZZZZZZ	2154	96014	13144	6529
21:45	MP80152-MB1	2277	102640	13328	7190
21:51	MP80152-LC1	2239	101210	13445	6970

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
21:57	MP80152-S1	2036	92143	13018	5980
22:04	MP80152-S2	2039	91062	13113	5980
22:10	JB68948-2F	2058	91476	13168	6046
22:16	MP80152-SD1	No results reported for the elements associated with this internal standard.			
22:22	MA34282-CCV9	2168	91892	13308	6453
22:28	MA34282-CCB10	2244	97196	13393	7037
22:35	ZZZZZZ	2090	93209	13320	6302
22:41	ZZZZZZ	2111	95336	13396	6416
22:47	ZZZZZZ	2137	95646	13580	6486
22:53	ZZZZZZ	2082	94366	13328	6309
23:00	ZZZZZZ	2228	102400	13450	7076
23:06	JB69123-7	2196	100610	13335	6973
23:12	ZZZZZZ	2139	97356	13353	6553
23:18	ZZZZZZ	2047	92311	13154	6149
23:25	ZZZZZZ	2012	91153	13111	5982
23:31	MA34282-CCV10	2138	95321	13220	6441
23:37	MA34282-CCB11	2214	100320	13300	7008
23:43	ZZZZZZ	2221	100840	13498	7043
23:50	ZZZZZZ	1959	87705	12974	5661
23:56	ZZZZZZ	1927	86986	12853	5613
00:02	ZZZZZZ	2180	99023	13647	6887
00:08	ZZZZZZ	2134	96530	13410	6525
00:15	ZZZZZZ	2214	100640	13416	7022
00:21	ZZZZZZ	2103	94065	13322	6269
00:27	ZZZZZZ	2171	97548	13319	6641
00:33	ZZZZZZ	2168	97250	13370	6641
00:40	MA34282-CCV11	2127	94911	13287	6414
00:46	MA34282-CCB12	2205	99275	13209	6978
00:52	ZZZZZZ	2219	100730	13507	7036
00:58	MP80113-MB1	2223	100700	13506	7053
01:05	MP80113-MB2	2225	101390	13510	7055
01:11	MP80113-LC1	2196	99485	13531	6862
01:17	MP80113-LC2	2197	99394	13617	6871

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:23	MP80113-S1	2127	96128	13296	6453
01:29	MP80113-S2	2131	96086	13352	6453
01:35	JB69017-8F	2168	96792	13586	6706
01:41	MP80113-SD1	2197	99321	13356	6931
01:48	MA34282-CCV12	2138	97054	13115	6469
01:54	MA34282-CCB13	2195	99137	13139	6945
02:00	ZZZZZZ	2154	97397	13505	6661
02:06	ZZZZZZ	2170	98872	13363	6773
02:12	ZZZZZZ	2124	95976	13337	6490
02:19	ZZZZZZ	2187	98095	13505	6828
02:25	ZZZZZZ	2159	96397	13439	6654
02:31	ZZZZZZ	2171	98861	13395	6779
02:37	ZZZZZZ	2225	101940	13396	7069
02:44	ZZZZZZ	2171	96990	13408	6694
02:50	ZZZZZZ	2155	97033	13390	6713
02:56	MA34282-CCV13	2145	94785	13266	6447
03:02	MA34282-CCB14	2221	98927	13288	7008
03:08	ZZZZZZ	2171	98381	13445	6720
03:15	ZZZZZZ	2165	98603	13468	6720
03:21	ZZZZZZ	2171	98696	13507	6765
03:27	ZZZZZZ	2124	94566	13420	6483
03:33	ZZZZZZ	2186	97896	13557	6829
03:39	ZZZZZZ	2143	92625	13571	6566
03:46	ZZZZZZ	2150	93580	13563	6678
03:52	ZZZZZZ	2204	98474	13711	6984
03:58	ZZZZZZ	2149	95994	13712	6689
04:04	ZZZZZZ	2132	95596	13677	6599
04:11	MA34282-CCV14	2096	92329	13469	6313
04:17	MA34282-CCB15	2173	97710	13551	6860
04:23	MA34282-CRI5	2157	96291	13586	6746
04:29	MA34282-CRID4	2167	97549	13598	6827
04:35	MA34282-CRIA3	2167	98206	13554	6845
04:42	ZZZZZZ	2164	98092	13607	6824

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
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
04:48	ZZZZZZ	2174	97696	13645	6846
04:54	ZZZZZZ	2151	97173	13613	6791
05:01	ZZZZZZ	2154	96679	13797	6835
05:07	MA34282-CCV15	2069	91428	13583	6244
05:13	MA34282-CCB16	2144	95872	13714	6791
05:19	MP80139-MB1	2131	94340	13921	6776
05:26	MP80139-LC1	2114	94853	14029	6643
05:32	MP80139-S1	1954	86987	13533	5772
05:38	MP80139-S2	1946	86764	13467	5752
05:44	JB69115-5	1950	84546	13499	5760
05:50	MP80139-SD1	2085	92232	13665	6398
05:57	MP80139-S3	1954	86997	13461	5782
06:03	MP80139-S4	1956	86895	13591	5785
06:09	JB69115-5F	1981	87224	13578	5861
06:15	MP80139-SD2	2060	91335	13457	6334
06:22	MA34282-CCV16	2066	91353	13640	6251
06:28	MA34282-CCB17	2139	96623	13733	6798
06:34	ZZZZZZ	2059	93079	13703	6343
06:40	ZZZZZZ	2049	93017	13750	6349
06:46	ZZZZZZ	1974	87530	13670	6068
06:53	ZZZZZZ	2049	92007	13755	6382
06:59	ZZZZZZ	2043	89928	13971	6269
07:05	ZZZZZZ	2043	89876	13840	6292
07:11	ZZZZZZ	2060	95106	13780	6447
07:17	ZZZZZZ	2036	94747	13695	6322
07:24	ZZZZZZ	2051	93968	13809	6398
07:30	MA34282-CCV17	2035	90307	13699	6168
07:36	MA34282-CCB18	2084	93133	13749	6621
07:42	ZZZZZZ	2008	89929	13900	6120
07:48	ZZZZZZ	2026	92625	13868	6244
07:55	ZZZZZZ	2039	92963	13807	6309
08:01	ZZZZZZ	2008	89187	13925	6162
08:07	ZZZZZZ	2018	91992	13737	6108

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34282
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:13	ZZZZZZ	2037	91651	13783	6214
08:19	ZZZZZZ	2010	93552	13630	6125
08:26	ZZZZZZ	2013	87771	13850	6123
08:32	MA34282-CCV18	2048	91125	13503	6214
08:38	MA34282-CCB19	2144	99215	13553	6840
08:44	MA34282-CRI6	2128	98362	13489	6730
08:50	MA34282-CRID5	2143	98804	13408	6818
08:57	MA34282-CRIA4	2150	98122	13529	6837
09:03	MA34282-CCV19	2087	96565	13278	6382
09:08	MA34282-CCB20	2170	103190	13234	6971
09:12	MA34282-ICSA3	1932	88546	12847	5735
09:17	MA34282-ICSAB3	1925	86217	12660	5719
09:22	MA34282-CCV20	2114	95599	13049	6425
09:28	MA34282-CCB21	2206	100850	12967	7029

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			11:44		12:20		13:28		14:36	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	7.3	<200	10.5	<200	3.5	<200	10.4	<200
Antimony	6.0	1.4	-0.40	<6.0	-0.90	<6.0	-1.2	<6.0	0.20	<6.0
Arsenic	3.0	1	1.1	<3.0	1.5	<3.0	0.80	<3.0	-0.20	<3.0
Barium	200	.2	0.10	<200	0.10	<200	0.0	<200	0.20	<200
Beryllium	1.0	.2	0.10	<1.0	0.10	<1.0	-0.10	<1.0	0.20	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.0	<3.0	0.20	<3.0	-0.10	<3.0	0.20	<3.0
Calcium	5000	10	3.2	<5000	5.3	<5000	0.40	<5000	3.8	<5000
Chromium	10	.5	0.10	<10	0.0	<10	0.10	<10	0.10	<10
Cobalt	50	.3	0.0	<50	0.10	<50	0.30	<50	0.40	<50
Copper	10	1.1	0.0	<10	0.0	<10	-0.20	<10	0.20	<10
Iron	100	3.4	1.7	<100	1.8	<100	2.6	<100	5.1	<100
Lead	3.0	1.3	-0.40	<3.0	-0.10	<3.0	0.0	<3.0	-0.20	<3.0
Lithium	20	1.3								
Magnesium	5000	19	39.6	<5000	7.9	<5000	-5.9	<5000	7.8	<5000
Manganese	15	.1	0.10	<15	0.20	<15	0.10	<15	0.30	<15
Molybdenum	20	.4								
Nickel	10	.5	0.10	<10	0.10	<10	0.40	<10	0.50	<10
Palladium	50	1								
Potassium	10000	26	-0.80	<10000	17.2	<10000	-1.9	<10000	0.70	<10000
Selenium	10	2.6	-1.9	<10	-2.4	<10	-0.70	<10	-0.40	<10
Silicon	200	7.7								
Silver	10	.5	-0.50	<10	-0.10	<10	0.0	<10	-0.30	<10
Sodium	10000	7.5	3.0	<10000	4.4	<10000	1.2	<10000	8.2	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.1	<2.0	-0.50	<2.0	1.5	<2.0	0.70	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	-0.10	<50	0.10	<50	0.0	<50	0.10	<50
Zinc	20	1.4	0.10	<20	0.10	<20	0.0	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			11:44		12:20		13:28		14:36	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			15:43		16:51		17:59		19:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	8.9	<200	0.50	<200	1.2	<200	3.5	<200
Antimony	6.0	1.4	-0.50	<6.0	-0.10	<6.0	-1.1	<6.0	-0.10	<6.0
Arsenic	3.0	1	0.90	<3.0	0.70	<3.0	0.20	<3.0	0.30	<3.0
Barium	200	.2	0.20	<200	0.0	<200	0.10	<200	0.30	<200
Beryllium	1.0	.2	0.0	<1.0	0.0	<1.0	0.0	<1.0	0.10	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.20	<3.0	0.10	<3.0	0.10	<3.0	0.30	<3.0
Calcium	5000	10	1.5	<5000	-2.5	<5000	0.70	<5000	2.3	<5000
Chromium	10	.5	-0.10	<10	0.40	<10	0.10	<10	-0.10	<10
Cobalt	50	.3	0.40	<50	0.10	<50	0.50	<50	0.40	<50
Copper	10	1.1	-0.10	<10	-0.40	<10	0.0	<10	0.0	<10
Iron	100	3.4	1.9	<100	3.7	<100	2.2	<100	3.6	<100
Lead	3.0	1.3	-0.20	<3.0	-0.40	<3.0	0.0	<3.0	-0.10	<3.0
Lithium	20	1.3								
Magnesium	5000	19	5.0	<5000	-7.9	<5000	32.0	<5000	9.9	<5000
Manganese	15	.1	0.20	<15	0.10	<15	0.20	<15	0.20	<15
Molybdenum	20	.4								
Nickel	10	.5	0.20	<10	0.30	<10	0.20	<10	0.20	<10
Palladium	50	1								
Potassium	10000	26	5.1	<10000	-7.9	<10000	-2.3	<10000	23.8	<10000
Selenium	10	2.6	1.5	<10	0.0	<10	2.1	<10	0.30	<10
Silicon	200	7.7								
Silver	10	.5	-0.20	<10	-0.40	<10	-0.20	<10	-0.40	<10
Sodium	10000	7.5	6.8	<10000	9.1	<10000	6.0	<10000	37.0	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.2	<2.0	0.70	<2.0	1.5	<2.0	0.30	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.0	<50	-0.10	<50	0.0	<50	0.20	<50
Zinc	20	1.4	0.40	<20	0.0	<20	0.20	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			15:43		16:51		17:59		19:08	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time: / Sample ID:			20:17 CCB8		21:20 CCB9		22:28 CCB10		23:37 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	4.0	<200	6.5	<200	12.3	<200	16.2	<200
Antimony	6.0	1.4	0.30	<6.0	-0.20	<6.0	0.30	<6.0	-1.2	<6.0
Arsenic	3.0	1	0.80	<3.0	-0.20	<3.0	0.0	<3.0	-0.70	<3.0
Barium	200	.2	0.10	<200	0.40	<200	0.30	<200	0.70	<200
Beryllium	1.0	.2	0.20	<1.0	0.40	<1.0	0.20	<1.0	0.80	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.50	<3.0	0.20	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	10	2.6	<5000	6.9	<5000	5.0	<5000	31.2	<5000
Chromium	10	.5	0.10	<10	0.20	<10	0.20	<10	0.50	<10
Cobalt	50	.3	0.50	<50	0.20	<50	0.60	<50	0.30	<50
Copper	10	1.1	-0.10	<10	0.10	<10	0.70	<10	0.60	<10
Iron	100	3.4	3.1	<100	8.1	<100	6.9	<100	18.5	<100
Lead	3.0	1.3	0.80	<3.0	-0.10	<3.0	-0.80	<3.0	0.60	<3.0
Lithium	20	1.3								
Magnesium	5000	19	16.1	<5000	23.4	<5000	19.9	<5000	22.8	<5000
Manganese	15	.1	0.30	<15	0.30	<15	0.30	<15	0.70	<15
Molybdenum	20	.4								
Nickel	10	.5	0.40	<10	0.20	<10	0.40	<10	0.60	<10
Palladium	50	1								
Potassium	10000	26	-1.9	<10000	0.70	<10000	-8.9	<10000	3.4	<10000
Selenium	10	2.6	1.9	<10	0.80	<10	2.6	<10	1.8	<10
Silicon	200	7.7								
Silver	10	.5	-0.30	<10	-0.50	<10	-0.40	<10	-0.30	<10
Sodium	10000	7.5	42.9	<10000	21.6	<10000	28.8	<10000	35.3	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.0	<2.0	1.8	<2.0	0.70	<2.0	1.0	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.0	<50	0.30	<50	0.20	<50	0.50	<50
Zinc	20	1.4	0.20	<20	0.20	<20	0.20	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			20:17		21:20		22:28		23:37	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time: / Sample ID:			00:46 CCB12		01:54 CCB13		03:02 CCB14		04:17 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	12.3	<200	12.1	<200	13.0	<200	1.5	<200
Antimony	6.0	1.4	-0.40	<6.0	-0.50	<6.0	-0.70	<6.0	-0.60	<6.0
Arsenic	3.0	1	-0.30	<3.0	-0.20	<3.0	0.20	<3.0	0.40	<3.0
Barium	200	.2	0.40	<200	0.80	<200	0.60	<200	0.20	<200
Beryllium	1.0	.2	0.40	<1.0	0.50	<1.0	0.50	<1.0	0.30	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.40	<3.0	0.20	<3.0
Calcium	5000	10	10.6	<5000	14.7	<5000	13.9	<5000	10.1	<5000
Chromium	10	.5	0.10	<10	0.50	<10	0.60	<10	0.10	<10
Cobalt	50	.3	0.20	<50	0.50	<50	0.60	<50	0.50	<50
Copper	10	1.1	0.30	<10	0.60	<10	0.80	<10	0.90	<10
Iron	100	3.4	11.9	<100	12.5	<100	14.0	<100	10.5	<100
Lead	3.0	1.3	-0.10	<3.0	0.30	<3.0	-0.30	<3.0	-0.30	<3.0
Lithium	20	1.3								
Magnesium	5000	19	31.2	<5000	32.4	<5000	25.2	<5000	24.2	<5000
Manganese	15	.1	0.40	<15	0.60	<15	0.60	<15	0.40	<15
Molybdenum	20	.4								
Nickel	10	.5	0.50	<10	0.30	<10	0.60	<10	0.70	<10
Palladium	50	1								
Potassium	10000	26	6.1	<10000	5.9	<10000	-27	<10000	-45	<10000
Selenium	10	2.6	1.3	<10	2.8	<10	0.90	<10	2.5	<10
Silicon	200	7.7								
Silver	10	.5	-0.10	<10	-0.40	<10	-0.40	<10	-0.10	<10
Sodium	10000	7.5	26.3	<10000	13.2	<10000	10.1	<10000	2.4	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.7	<2.0	2.5	* (a)	0.20	<2.0	0.40	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.30	<50	0.40	<50	0.30	<50	0.30	<50
Zinc	20	1.4	0.20	<20	0.30	<20	0.30	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			00:46		01:54		03:02		04:17	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			05:13		06:28		07:36		08:38	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	11.1	<200	6.5	<200	8.6	<200	7.9	<200
Antimony	6.0	1.4	-1.0	<6.0	-1.2	<6.0	-0.80	<6.0	-1.5	<6.0
Arsenic	3.0	1	-0.40	<3.0	0.0	<3.0	0.20	<3.0	-0.80	<3.0
Barium	200	.2	0.40	<200	0.20	<200	0.20	<200	0.0	<200
Beryllium	1.0	.2	0.40	<1.0	0.40	<1.0	0.40	<1.0	0.30	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.40	<3.0	0.30	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	10	14.7	<5000	15.7	<5000	13.8	<5000	14.9	<5000
Chromium	10	.5	0.20	<10	0.10	<10	0.10	<10	0.0	<10
Cobalt	50	.3	0.50	<50	0.40	<50	0.10	<50	0.40	<50
Copper	10	1.1	1.1	<10	1.6	<10	1.8	<10	0.80	<10
Iron	100	3.4	9.4	<100	9.9	<100	11.1	<100	8.6	<100
Lead	3.0	1.3	0.30	<3.0	-0.10	<3.0	-0.70	<3.0	0.60	<3.0
Lithium	20	1.3								
Magnesium	5000	19	27.2	<5000	25.7	<5000	6.9	<5000	24.1	<5000
Manganese	15	.1	0.40	<15	0.50	<15	0.50	<15	0.30	<15
Molybdenum	20	.4								
Nickel	10	.5	0.70	<10	1.0	<10	0.70	<10	0.60	<10
Palladium	50	1								
Potassium	10000	26	-11	<10000	-19	<10000	-47	<10000	-14	<10000
Selenium	10	2.6	0.50	<10	2.1	<10	2.0	<10	2.0	<10
Silicon	200	7.7								
Silver	10	.5	-0.20	<10	-0.40	<10	-0.10	<10	0.30	<10
Sodium	10000	7.5	1.9	<10000	25.4	<10000	15.2	<10000	13.2	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	2.0	<2.0*(a)	3.3	* (a)	1.6	<2.0	2.7	* (a)
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.60	<50	0.40	<50	0.20	<50	0.20	<50
Zinc	20	1.4	0.30	<20	0.20	<20	0.20	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			05:13		06:28		07:36		08:38	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time: / Sample ID:			09:08 CCB20		09:28 CCB21	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	7	8.2	<200	14.9	<200
Antimony	6.0	1.4	-0.70	<6.0	-0.60	<6.0
Arsenic	3.0	1	-0.10	<3.0	1.1	<3.0
Barium	200	.2	-0.10	<200	0.40	<200
Beryllium	1.0	.2	0.20	<1.0	0.30	<1.0
Bismuth	20	.8				
Boron	100	.8				
Cadmium	3.0	.2	0.30	<3.0	0.20	<3.0
Calcium	5000	10	16.9	<5000	14.6	<5000
Chromium	10	.5	0.10	<10	0.10	<10
Cobalt	50	.3	0.50	<50	0.50	<50
Copper	10	1.1	-0.10	<10	0.20	<10
Iron	100	3.4	9.4	<100	6.8	<100
Lead	3.0	1.3	0.40	<3.0	-0.30	<3.0
Lithium	20	1.3				
Magnesium	5000	19	17.9	<5000	6.3	<5000
Manganese	15	.1	0.30	<15	0.30	<15
Molybdenum	20	.4				
Nickel	10	.5	0.60	<10	0.70	<10
Palladium	50	1				
Potassium	10000	26	-3.4	<10000	-33	<10000
Selenium	10	2.6	0.20	<10	0.20	<10
Silicon	200	7.7				
Silver	10	.5	0.10	<10	-0.20	<10
Sodium	10000	7.5	13.7	<10000	8.8	<10000
Sulfur	50	3.5				
Strontium	10	.1				
Thallium	2.0	1.6	2.4	* (a)	1.8	<2.0
Tin	10	.8				
Titanium	10	.5				
Tungsten	50	5.6				
Vanadium	50	.3	0.30	<50	0.10	<50
Zinc	20	1.4	0.30	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34282 Units: ug/l

Time:			09:08		09:28	
Sample ID:			CCB20		CCB21	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.4				

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		11:50	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39500	98.8
Antimony	2000	2020	101.0
Arsenic	2000	2040	102.0
Barium	2000	2050	102.5
Beryllium	2000	2070	103.5
Bismuth			
Boron			
Cadmium	2000	2050	102.5
Calcium	40000	40200	100.5
Chromium	2000	2060	103.0
Cobalt	2000	2060	103.0
Copper	2000	2030	101.5
Iron	40000	41400	103.5
Lead	2000	2070	103.5
Lithium			
Magnesium	40000	39800	99.5
Manganese	2000	2130	106.5*(a
Molybdenum			
Nickel	2000	2080	104.0
Palladium			
Potassium	40000	40100	100.3
Selenium	2000	2020	101.0
Silicon			
Silver	250	256	102.4
Sodium	40000	40000	100.0
Sulfur			
Strontium			
Thallium	2000	2120	106.0*(a
Tin			
Titanium			
Tungsten			
Vanadium	2000	2030	101.5
Zinc	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		11:50	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		11:25			13:22			14:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39700	99.3	40000	39700	99.3
Antimony	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Arsenic	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Barium	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Calcium	40000	40400	101.0	40000	40500	101.3	40000	40400	101.0
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Cobalt	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	1980	99.0	2000	2000	100.0
Iron	40000	40700	101.8	40000	40700	101.8	40000	40500	101.3
Lead	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Lithium									
Magnesium	40000	40000	100.0	40000	40400	101.0	40000	40300	100.8
Manganese	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Palladium									
Potassium	40000	40000	100.0	40000	39900	99.8	40000	39800	99.5
Selenium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Silicon									
Silver	250	249	99.6	250	247	98.8	250	248	99.2
Sodium	40000	40100	100.3	40000	40000	100.0	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Zinc	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		11:25			13:22			14:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		15:37			16:45			17:53	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39600	99.0	40000	40000	100.0
Antimony	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Arsenic	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	2030	101.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	40200	100.5	40000	40300	100.8	40000	40800	102.0
Chromium	2000	2040	102.0	2000	2070	103.5	2000	2070	103.5
Cobalt	2000	2030	101.5	2000	2050	102.5	2000	2050	102.5
Copper	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Iron	40000	40500	101.3	40000	41100	102.8	40000	41100	102.8
Lead	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Lithium									
Magnesium	40000	40100	100.3	40000	40100	100.3	40000	40900	102.3
Manganese	2000	2060	103.0	2000	2100	105.0	2000	2100	105.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Palladium									
Potassium	40000	39800	99.5	40000	39900	99.8	40000	40100	100.3
Selenium	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Silicon									
Silver	250	247	98.8	250	250	100.0	250	252	100.8
Sodium	40000	39900	99.8	40000	39900	99.8	40000	40300	100.8
Sulfur									
Strontium									
Thallium	2000	2110	105.5	2000	2140	107.0	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Zinc	2000	2060	103.0	2000	2090	104.5	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		15:37			16:45			17:53	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		19:02			20:11			21:14	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	40000	100.0	40000	39500	98.8
Antimony	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Barium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Calcium	40000	40600	101.5	40000	40900	102.3	40000	40300	100.8
Chromium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Cobalt	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Copper	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0
Iron	40000	40600	101.5	40000	40300	100.8	40000	40600	101.5
Lead	2000	2070	103.5	2000	2060	103.0	2000	2070	103.5
Lithium									
Magnesium	40000	40800	102.0	40000	41000	102.5	40000	40400	101.0
Manganese	2000	2090	104.5	2000	2060	103.0	2000	2090	104.5
Molybdenum									
Nickel	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Palladium									
Potassium	40000	39800	99.5	40000	40100	100.3	40000	39800	99.5
Selenium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Silicon									
Silver	250	248	99.2	250	245	98.0	250	248	99.2
Sodium	40000	40100	100.3	40000	40200	100.5	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2120	106.0	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Zinc	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		19:02			20:11			21:14	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		22:22			23:31			00:40	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38000	95.0	40000	40000	100.0	40000	39900	99.8
Antimony	2000	2020	101.0	2000	2050	102.5	2000	2060	103.0
Arsenic	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Barium	2000	2010	100.5	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2060	103.0
Calcium	40000	38700	96.8	40000	40700	101.8	40000	40400	101.0
Chromium	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Cobalt	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Copper	2000	2040	102.0	2000	2020	101.0	2000	2020	101.0
Iron	40000	41700	104.3	40000	40500	101.3	40000	40400	101.0
Lead	2000	2090	104.5	2000	2070	103.5	2000	2070	103.5
Lithium									
Magnesium	40000	38000	95.0	40000	40000	100.0	40000	39800	99.5
Manganese	2000	2190	109.5	2000	2090	104.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2110	105.5	2000	2080	104.0	2000	2080	104.0
Palladium									
Potassium	40000	39400	98.5	40000	40300	100.8	40000	40100	100.3
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Silicon									
Silver	250	265	106.0	250	249	99.6	250	250	100.0
Sodium	40000	38500	96.3	40000	40200	100.5	40000	40200	100.5
Sulfur									
Strontium									
Thallium	2000	2140	107.0	2000	2130	106.5	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2030	101.5	2000	2020	101.0
Zinc	2000	2090	104.5	2000	2080	104.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		22:22			23:31			00:40	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		01:48			02:56			04:11	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	39600	99.0	40000	39100	97.8
Antimony	2000	2050	102.5	2000	2040	102.0	2000	2080	104.0
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2080	104.0
Barium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2090	104.5
Calcium	40000	41600	104.0	40000	40100	100.3	40000	39400	98.5
Chromium	2000	2070	103.5	2000	2050	102.5	2000	2040	102.0
Cobalt	2000	2060	103.0	2000	2070	103.5	2000	2090	104.5
Copper	2000	1990	99.5	2000	2030	101.5	2000	2090	104.5
Iron	40000	39800	99.5	40000	40600	101.5	40000	41000	102.5
Lead	2000	2060	103.0	2000	2070	103.5	2000	2070	103.5
Lithium									
Magnesium	40000	41300	103.3	40000	39500	98.8	40000	37900	94.8
Manganese	2000	2040	102.0	2000	2100	105.0	2000	2140	107.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2080	104.0	2000	2110	105.5
Palladium									
Potassium	40000	40600	101.5	40000	40300	100.8	40000	40000	100.0
Selenium	2000	2070	103.5	2000	2060	103.0	2000	2110	105.5
Silicon									
Silver	250	242	96.8	250	253	101.2	250	260	104.0
Sodium	40000	41000	102.5	40000	40000	100.0	40000	39200	98.0
Sulfur									
Strontium									
Thallium	2000	2120	106.0	2000	2120	106.0	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2030	101.5	2000	2060	103.0
Zinc	2000	2090	104.5	2000	2080	104.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		01:48			02:56			04:11	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		05:07			06:22			07:30	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39000	97.5	40000	39100	97.8
Antimony	2000	2080	104.0	2000	2080	104.0	2000	2100	105.0
Arsenic	2000	2070	103.5	2000	2060	103.0	2000	2080	104.0
Barium	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Beryllium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	2090	104.5	2000	2090	104.5	2000	2100	105.0
Calcium	40000	39500	98.8	40000	39100	97.8	40000	38900	97.3
Chromium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Cobalt	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Copper	2000	2090	104.5	2000	2100	105.0	2000	2110	105.5
Iron	40000	40800	102.0	40000	40800	102.0	40000	40700	101.8
Lead	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Lithium									
Magnesium	40000	37900	94.8	40000	37000	92.5	40000	36900	92.3
Manganese	2000	2130	106.5	2000	2120	106.0	2000	2120	106.0
Molybdenum									
Nickel	2000	2090	104.5	2000	2080	104.0	2000	2090	104.5
Palladium									
Potassium	40000	40300	100.8	40000	40100	100.3	40000	40300	100.8
Selenium	2000	2120	106.0	2000	2110	105.5	2000	2140	107.0
Silicon									
Silver	250	261	104.4	250	260	104.0	250	261	104.4
Sodium	40000	39400	98.5	40000	38900	97.3	40000	39200	98.0
Sulfur									
Strontium									
Thallium	2000	2120	106.0	2000	2090	104.5	2000	2140	107.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Zinc	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		05:07			06:22			07:30	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		08:32			09:03			09:22	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	41300	103.3	40000	41900	104.8
Antimony	2000	2090	104.5	2000	2050	102.5	2000	2040	102.0
Arsenic	2000	2060	103.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	2030	101.5	2000	2020	101.0	2000	2030	101.5
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2100	105.0	2000	2050	102.5	2000	2050	102.5
Calcium	40000	39400	98.5	40000	41600	104.0	40000	41900	104.8
Chromium	2000	2010	100.5	2000	2030	101.5	2000	2040	102.0
Cobalt	2000	2090	104.5	2000	2050	102.5	2000	2050	102.5
Copper	2000	2110	105.5	2000	2020	101.0	2000	2020	101.0
Iron	40000	40500	101.3	40000	39100	97.8	40000	39800	99.5
Lead	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Lithium									
Magnesium	40000	37200	93.0	40000	40000	100.0	40000	41100	102.8
Manganese	2000	2110	105.5	2000	2000	100.0	2000	2040	102.0
Molybdenum									
Nickel	2000	2080	104.0	2000	2020	101.0	2000	2040	102.0
Palladium									
Potassium	40000	40700	101.8	40000	41000	102.5	40000	40700	101.8
Selenium	2000	2120	106.0	2000	2050	102.5	2000	2020	101.0
Silicon									
Silver	250	258	103.2	250	238	95.2	250	245	98.0
Sodium	40000	39400	98.5	40000	40800	102.0	40000	40600	101.5
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2010	100.5	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2070	103.5	2000	2020	101.0	2000	2020	101.0
Zinc	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34282 Units: ug/l

Time:		08:32			09:03			09:22	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				12:50		13:34		13:40	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRI3		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	489	97.8	210	105.0	104	104.0
Antimony	6.0	20	3.0	19.0	95.0	5.5	91.7	1.9	63.3*(a)
Arsenic	8.0	20	3.0	21.0	105.0	8.9	111.3	3.4	113.3
Barium	200		4.0			208	104.0	4.2	105.0
Beryllium	2.0		1.0			2.2	110.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			3.1	103.3	1.1	110.0
Calcium	5000		1000			4970	99.4	1020	102.0
Chromium	10		2.0			10.7	107.0	2.1	105.0
Cobalt	50		3.0			51.6	103.2	3.1	103.3
Copper	10		2.0			9.8	98.0	2.0	100.0
Iron	100	500		519	103.8	109	109.0		
Lead	3.0	20	2.5	20.4	102.0	3.3	110.0	2.8	112.0
Lithium	20								
Magnesium	5000		100			5080	101.6	112	112.0
Manganese	15		3.0			16.6	110.7	3.3	110.0
Molybdenum	20								
Nickel	10		4.0			10.9	109.0	4.8	120.0
Palladium	50								
Potassium	5000		2000			4970	99.4	2000	100.0
Selenium	10	20	5.0	22.1	110.5	10.0	100.0	4.3	86.0
Silicon	200								
Silver	5.0		1.0			4.5	90.0	0.70	70.0
Sodium	5000		1000			5020	100.4	1010	101.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0			9.9	99.0	2.3	115.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			50.6	101.2	1.8	90.0
Zinc	20		10			23.9	119.5	11.7	117.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				12:50		13:34		13:40	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRI3		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				20:24		20:30		20:36	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	207	103.5	107	107.0	497	99.4
Antimony	6.0	20	3.0	5.7	95.0	2.2	73.3	18.8	94.0
Arsenic	8.0	20	3.0	8.3	103.8	2.2	73.3	20.6	103.0
Barium	200		4.0	208	104.0	4.1	102.5		
Beryllium	2.0		1.0	2.3	115.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.3	110.0	1.0	100.0		
Calcium	5000		1000	4990	99.8	1020	102.0		
Chromium	10		2.0	10.4	104.0	2.1	105.0		
Cobalt	50		3.0	51.8	103.6	3.2	106.7		
Copper	10		2.0	9.5	95.0	2.1	105.0		
Iron	100	500		106	106.0			523	104.6
Lead	3.0	20	2.5	3.6	120.0			21.2	106.0
Lithium	20								
Magnesium	5000		100	5140	102.8	101	101.0		
Manganese	15		3.0	16.4	109.3	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	10.6	106.0	4.7	117.5		
Palladium	50								
Potassium	5000		2000	5010	100.2	2040	102.0		
Selenium	10	20	5.0	12.0	120.0			22.8	114.0
Silicon	200								
Silver	5.0		1.0	4.8	96.0	0.70	70.0		
Sodium	5000		1000	5080	101.6	1040	104.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.5	105.0	2.1	105.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	49.8	99.6	1.9	95.0		
Zinc	20		10	23.6	118.0	12.0	120.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				20:24		20:30		20:36	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				04:23		04:29		04:35	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	205	102.5	104	104.0	494	98.8
Antimony	6.0	20	3.0	5.1	85.0	1.7	56.7*(a)	19.3	96.5
Arsenic	8.0	20	3.0	10.1	126.3	2.4	80.0	20.6	103.0
Barium	200		4.0	208	104.0	4.0	100.0		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.2	106.7	1.2	120.0		
Calcium	5000		1000	4840	96.8	1010	101.0		
Chromium	10		2.0	10.7	107.0	2.5	125.0		
Cobalt	50		3.0	53.3	106.6	3.4	113.3		
Copper	10		2.0	11.1	111.0	2.4	120.0		
Iron	100	500		109	109.0			523	104.6
Lead	3.0	20	2.5	3.3	110.0	2.0	80.0	20.2	101.0
Lithium	20								
Magnesium	5000		100	4790	95.8	109	109.0		
Manganese	15		3.0	17.0	113.3	3.4	113.3		
Molybdenum	20								
Nickel	10		4.0	11.0	110.0	5.2	130.0		
Palladium	50								
Potassium	5000		2000	4950	99.0	2010	100.5		
Selenium	10	20	5.0	11.2	112.0			26.0	130.0
Silicon	200								
Silver	5.0		1.0	5.1	102.0	0.80	80.0		
Sodium	5000		1000	4930	98.6	991	99.1		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	8.2	82.0	2.5	125.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	51.3	102.6	1.9	95.0		
Zinc	20		10	24.0	120.0	12.0	120.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				04:23		04:29		04:35	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				08:44		08:50		08:57	
Sample ID:	CRI	CRIA	CRID	CRI6		CRID5		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	214	107.0	107	107.0	495	99.0
Antimony	6.0	20	3.0	5.0	83.3	1.6	53.3*(a)	18.9	94.5
Arsenic	8.0	20	3.0	8.9	111.3	2.6	86.7	21.0	105.0
Barium	200		4.0	209	104.5	4.0	100.0		
Beryllium	2.0		1.0	2.3	115.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.2	106.7	1.1	110.0		
Calcium	5000		1000	4990	99.8	1040	104.0		
Chromium	10		2.0	10.7	107.0	1.8	90.0		
Cobalt	50		3.0	53.0	106.0	3.5	116.7		
Copper	10		2.0	10.9	109.0	2.4	120.0		
Iron	100	500		104	104.0			515	103.0
Lead	3.0	20	2.5	2.4	80.0	1.9	76.0	20.2	101.0
Lithium	20								
Magnesium	5000		100	4890	97.8	115	115.0		
Manganese	15		3.0	16.3	108.7	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	11.0	110.0	5.0	125.0		
Palladium	50								
Potassium	5000		2000	5060	101.2	2090	104.5		
Selenium	10	20	5.0	12.9	129.0			25.9	129.5
Silicon	200								
Silver	5.0		1.0	5.3	106.0	0.80	80.0		
Sodium	5000		1000	5070	101.4	1020	102.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.3	103.0	2.1	105.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	51.1	102.2	1.7	85.0		
Zinc	20		10	23.6	118.0	11.8	118.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34282 Units: ug/l

Time:				08:44		08:50		08:57	
Sample ID:	CRI	CRIA	CRID	CRI6		CRID5		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34282 Units: ug/l

Time:			12:56		13:03		20:43		20:49	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	505000	101.0	487000	97.4	491000	98.2	486000	97.2
Antimony		1000	1.8		1030	103.0	1.1		1030	103.0
Arsenic		1000	-3.4		1080	108.0	-2.4		1080	108.0
Barium		500	-0.90		487	97.4	-0.90		487	97.4
Beryllium		500	-0.10		486	97.2	0.0		487	97.4
Bismuth		500	2.8		498	99.6	4.8		496	99.2
Boron			-13		-13		-13		-15	
Cadmium		1000	-0.20		1000	100.0	0.0		994	99.4
Calcium	400000	400000	374000	93.5	366000	91.5	369000	92.3	368000	92.0
Chromium		500	0.20		470	94.0	-0.20		470	94.0
Cobalt		500	0.70		471	94.2	0.50		470	94.0
Copper		500	-3.8		510	102.0	-4.9		507	101.4
Iron	200000	200000	188000	94.0	189000	94.5	185000	92.5	188000	94.0
Lead		1000	4.0		938	93.8	1.0		939	93.9
Lithium		500	4.1		579	115.8	5.7		580	116.0
Magnesium	500000	500000	525000	105.0	521000	104.2	520000	104.0	523000	104.6
Manganese		500	-0.10		497	99.4	-0.50		496	99.2
Molybdenum		500	6.5		510	102.0	6.0		509	101.8
Nickel		1000	0.0		949	94.9	-0.10		949	94.9
Palladium		500	-13		541	108.2	-13		539	107.8
Potassium			-13		-43		-23		-29	
Selenium		1000	-8.3		1080	108.0	-7.2		1090	109.0
Silicon			-6.1		-7.5		-4.0		-6.1	
Silver		1000	1.5		1020	102.0	0.10		1020	102.0
Sodium			-0.80		-6.0		13.0		15.6	
Sulfur		500	-11		459	91.8	-8.1		461	92.2
Strontium			-0.70		-0.90		-0.80		-0.90	
Thallium		1000	-0.30		969	96.9	0.10		986	98.6
Tin			8.4		7.2		7.5		9.0	
Titanium			2.5		5.9		2.5		5.7	
Tungsten		500	10.7		544	108.8	-6.7		523	104.6
Vanadium		500	-2.3		441	88.2	-2.0		439	87.8
Zinc		1000	-1.8		932	93.2	-1.5		934	93.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34282 Units: ug/l

Time:			12:56		13:03		20:43		20:49	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	23.9*		488	97.6	22.4*		484	96.8

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34282 Units: ug/l

Time:			09:12		09:17	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	515000	103.0	511000	102.2
Antimony		1000	1.5		1060	106.0
Arsenic		1000	-2.8		1090	109.0
Barium		500	-1.3		495	99.0
Beryllium		500	-0.10		494	98.8
Bismuth		500	5.6		519	103.8
Boron			-13		-14	
Cadmium		1000	0.40		1030	103.0
Calcium	400000	400000	386000	96.5	381000	95.3
Chromium		500	0.0		474	94.8
Cobalt		500	0.90		478	95.6
Copper		500	-4.5		528	105.6
Iron	200000	200000	177000	88.5	185000	92.5
Lead		1000	5.7		928	92.8
Lithium		500	6.6		605	121.0*
Magnesium	500000	500000	524000	104.8	524000	104.8
Manganese		500	1.7		493	98.6
Molybdenum		500	6.8		516	103.2
Nickel		1000	0.80		945	94.5
Palladium		500	-14		550	110.0
Potassium			-39		-70	
Selenium		1000	-5.5		1100	110.0
Silicon			-4.5		-7.8	
Silver		1000	7.0		1020	102.0
Sodium			-11		-5.3	
Sulfur		500	-12		464	92.8
Strontium			-0.80		-0.70	
Thallium		1000	1.3		934	93.4
Tin			9.7		8.9	
Titanium			2.8		5.9	
Tungsten		500	6.1		549	109.8
Vanadium		500	-2.8		453	90.6
Zinc		1000	-1.5		932	93.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061914M1.ICP Date Analyzed: 06/19/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34282 Units: ug/l

Time:			09:12		09:17	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	25.1*		482	96.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:03	MA34286-STD1	1		STDA
11:09	MA34286-STD2	1		STDB
11:15	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:30	MA34286-ICV1	1		
11:50	MA34286-ICB1	1		
12:00	MA34286-ICCV1	1		
12:11	MA34286-CCB1	1		
12:19	MA34286-CRI1	1		
12:25	MA34286-CRID1	1		
12:31	MA34286-CRIA1	1		
12:38	MA34286-CRID2	1		
12:44	MA34286-ICSA1	1		
12:50	MA34286-ICSAB1	1		
12:57	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:09	MA34286-CCV1	1		
13:15	MA34286-CCB2	1		
13:22	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:34	MP80152-SD1	5		
13:40	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:59	ZZZZZZ	2		
14:05	ZZZZZZ	2		
14:11	ZZZZZZ	1		
14:18	MA34286-CCV2	1		
14:24	MA34286-CCB3	1		
14:35	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:47	MP80166-MB1	1		CCV out
14:54	MP80166-LC1	1		CCV out

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:00	MP80166-S1	1		CCV out
15:06	MP80166-S2	1		CCV out
15:12	JB69307-5	1		(sample used for QC only; not part of login JB69123)
15:18	MP80166-SD1	5		CCV out
15:24	ZZZZZZ	1		
15:31	MA34286-CCV3	1		
15:37	MA34286-CCB4	1		
15:45	MA34286-CCV4	1		
15:51	MA34286-CCB5	1		
15:57	MA34286-CRI2	1		
16:03	MA34286-CRID3	1		
16:10	MA34286-CRIA2	1		
16:16	MA34286-CCV5	1		
16:22	MA34286-CCB6	1		
16:28	MP80185-MB1	1		
16:35	MP80185-B1	1		
16:41	MP80185-S1	1		
16:47	MP80185-S2	1		
16:53	JB69701-6	1		(sample used for QC only; not part of login JB69123)
16:59	MP80185-SD1	5		
17:05	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:24	MA34286-CCV6	1		
17:30	MA34286-CCB7	1		
17:36	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:07	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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
18:25	ZZZZZZ	1		
18:32	MA34286-CCV7	1		
18:38	MA34286-CCB8	1		
18:44	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:28	MA34286-CCV8	1		
19:34	MA34286-CCB9	1		
19:41	MP80152-SD1	5		CCB out
---------->	Last reportable sample/prep for job JB69123			
19:47	ZZZZZZ	1		
19:53	ZZZZZZ	1		
19:59	ZZZZZZ	1		
20:06	ZZZZZZ	2		
20:12	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:37	MA34286-CCV9	1		
20:43	MA34286-CCB10	1		
20:49	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:39	ZZZZZZ	1		
21:45	MA34286-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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
21:51	MA34286-CCB11	1		
21:58	ZZZZZZ	1		
22:04	ZZZZZZ	1		
22:10	ZZZZZZ	1		
22:16	MP80168-MB1	1		
22:23	MP80168-LC1	1		
22:29	MP80168-S1	1		
22:35	MP80168-S2	1		
22:41	JB69340-1F	1		(sample used for QC only; not part of login JB69123)
22:47	MP80168-SD1	5		
22:53	MA34286-CCV11	1		
22:59	MA34286-CCB12	1		
23:06	MA34286-CRI3	1		
23:12	MA34286-CRID4	1		
23:18	MA34286-CRIA3	1		
23:25	MA34286-ICSA2	1		
23:31	MA34286-ICSAB2	1		
23:37	ZZZZZZ	1		
23:44	ZZZZZZ	1		
23:50	ZZZZZZ	1		
23:56	MA34286-CCV12	1		
00:02	MA34286-CCB13	1		
---------->	Last reportable CCB for job JB69123			
00:09	ZZZZZZ	1		
00:15	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:34	ZZZZZZ	1		
00:40	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:53	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:11	MA34286-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:17	MA34286-CCB14	1		
01:23	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:36	ZZZZZZ	1		
01:42	ZZZZZZ	1		
01:48	ZZZZZZ	1		
01:54	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:19	MA34286-CCV14	1		
02:25	MA34286-CCB15	1		
02:32	ZZZZZZ	1		
02:38	ZZZZZZ	1		
02:44	ZZZZZZ	1		
02:50	MP80184-MB1	1		
02:57	MP80184-B1	1		
03:03	MP80184-B2	1		
03:09	JB69662-1	1		(sample used for QC only; not part of login JB69123)
03:15	MP80184-SD1	5		
03:21	ZZZZZZ	1		
03:28	ZZZZZZ	1		
03:34	MA34286-CCV15	1		
03:40	MA34286-CCB16	1		
03:46	ZZZZZZ	1		
03:52	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:11	ZZZZZZ	1		
04:17	ZZZZZZ	1		
04:24	ZZZZZZ	1		
04:30	ZZZZZZ	1		
04:36	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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
04:42	ZZZZZZ	1		
04:48	MA34286-CCV16	1		
04:55	MA34286-CCB17	1		
05:01	ZZZZZZ	1		
05:07	MP80204-MB1	1		
05:13	MP80204-B1	1		Se and AS high recoveries
05:20	MP80204-S1	1		
05:26	MP80204-S2	1		
05:32	JB69588-1	1		(sample used for QC only; not part of login JB69123)
05:38	MP80204-SD1	15		
05:45	ZZZZZZ	1		
05:51	ZZZZZZ	1		
05:57	ZZZZZZ	1		
06:04	MA34286-CCV17	1		
06:10	MA34286-CCB18	1		
06:16	ZZZZZZ	1		
06:22	ZZZZZZ	1		
06:29	MP80204-PS1	1		IN out
06:35	MA34286-CCV18	1		
06:41	MA34286-CCB19	1		
06:47	MA34286-CRI4	1		
06:54	MA34286-CRID5	1		
07:00	MA34286-CRIA4	1		
07:06	MA34286-ICSA3	1		
07:13	MA34286-ICSAB3	1		
07:19	MA34286-CCV19	1		
07:25	MA34286-CCB20	1		
07:31	ZZZZZZ	1		
07:38	ZZZZZZ	1		
07:44	ZZZZZZ	1		
07:50	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:03	MA34286-STD1	2476 R	109240 R	14009 R	7702 R
11:09	MA34286-STD2	2318	100730	13959	6798
11:15	ZZZZZZ	2387	106040	13998	7067
11:22	ZZZZZZ	2465	111240	13981	7700
11:30	MA34286-ICV1	2377	104880	13904	7029
11:50	MA34286-ICB1	2466	109100	14012	7663
12:00	MA34286-ICCV1	2365	104460	13920	6991
12:11	MA34286-CCB1	2470	110350	13994	7663
12:19	MA34286-CRI1	2467	109520	14063	7615
12:25	MA34286-CRID1	No results reported for the elements associated with this internal standard.			
12:31	MA34286-CRIA1	2456	107390	13908	7605
12:38	MA34286-CRID2	2473	108780	13899	7656
12:44	MA34286-ICSA1	2197	95238	13534	6294
12:50	MA34286-ICSAB1	2184	96414	13555	6281
12:57	ZZZZZZ	2441	108280	13747	7694
13:03	ZZZZZZ	2404	109030	13780	7625
13:09	MA34286-CCV1	2384	104520	13722	7038
13:15	MA34286-CCB2	2482	110280	13800	7706
13:22	ZZZZZZ	2431	104640	13881	7471
13:28	ZZZZZZ	2486	115720	13953	7799
13:34	MP80152-SD1	2384	104730	13836	7154
13:40	ZZZZZZ	2305	102100	13727	6850
13:47	ZZZZZZ	2416	107420	14023	7254
13:53	ZZZZZZ	2195	96675	13664	6215
13:59	ZZZZZZ	2229	98664	13430	6484
14:05	ZZZZZZ	2433	108930	14046	7548
14:11	ZZZZZZ	2348	103840	13817	6872
14:18	MA34286-CCV2	2385	104930	13848	7042
14:24	MA34286-CCB3	2453	105310	13973	7591
14:35	ZZZZZZ	2473	116200	14020	7774
14:41	ZZZZZZ	2354	103590	14003	7021
14:47	MP80166-MB1	2450	108890	13947	7643
14:54	MP80166-LC1	2425	107940	14154	7439

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:00	MP80166-S1	2332	103680	13847	6869
15:06	MP80166-S2	2343	103850	14006	6901
15:12	JB69307-5	2387	105260	13962	7113
15:18	MP80166-SD1	2436	112020	13869	7520
15:24	ZZZZZZ	2431	109530	13901	7461
15:31	MA34286-CCV3	2365	97885	14051	6933
15:37	MA34286-CCB4	2441	111140	13671	7640
15:45	MA34286-CCV4	2396	104410	13733	7064
15:51	MA34286-CCB5	2450	107620	13721	7604
15:57	MA34286-CRI2	2405	107330	13570	7455
16:03	MA34286-CRID3	2446	111520	13483	7602
16:10	MA34286-CRIA2	2444	106680	13702	7560
16:16	MA34286-CCV5	2376	103170	13694	6993
16:22	MA34286-CCB6	2450	111910	13647	7674
16:28	MP80185-MB1	2453	112330	13760	7656
16:35	MP80185-B1	2395	100590	14079	7172
16:41	MP80185-S1	2493	110220	14658	7148
16:47	MP80185-S2	2535	112070	14862	7123
16:53	JB69701-6	2501	107900	14462	7149
16:59	MP80185-SD1	2453	108050	13907	7385
17:05	ZZZZZZ	2549	109800	14936	7149
17:11	ZZZZZZ	2455	110930	13970	7283
17:17	ZZZZZZ	2529	109250	14753	7139
17:24	MA34286-CCV6	2385	102610	13741	7015
17:30	MA34286-CCB7	2475	109020	13605	7681
17:36	ZZZZZZ	2460	104930	14050	7153
17:42	ZZZZZZ	2560	115590	14268	7401
17:48	ZZZZZZ	2572	110660	14592	7263
17:54	ZZZZZZ	2609	110680	14866	7260
18:01	ZZZZZZ	2569	108500	14593	7348
18:07	ZZZZZZ	2466	106150	14161	7205
18:13	ZZZZZZ	2486	105590	14277	7129
18:19	ZZZZZZ	2252	99322	13271	6537

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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
18:25	ZZZZZZ	2153	97335	13411	6286
18:32	MA34286-CCV7	2392	105210	13790	7064
18:38	MA34286-CCB8	2469	109630	13717	7675
18:44	ZZZZZZ	2093	94804	13478	6276
18:50	ZZZZZZ	1107 !a	101260	13258	6294
18:57	ZZZZZZ	2099	100740	13575	6502
19:03	ZZZZZZ	2323	99932	13895	6576
19:09	ZZZZZZ	2304	101150	13795	6580
19:16	ZZZZZZ	2073	103040	13678	6807
19:22	ZZZZZZ	2027	100310	13590	6364
19:28	MA34286-CCV8	2393	105500	13633	7066
19:34	MA34286-CCB9	2466	110990	13513	7682
19:41	MP80152-SD1	2396	105930	13792	7204
19:47	ZZZZZZ	2302	101430	13750	6817
19:53	ZZZZZZ	2399	105750	13877	7204
19:59	ZZZZZZ	2212	99327	13567	6279
20:06	ZZZZZZ	2482	111900	14155	7690
20:12	ZZZZZZ	2361	102910	13787	6895
20:18	ZZZZZZ	2448	108660	14059	7439
20:24	ZZZZZZ	2426	107200	13961	7276
20:30	ZZZZZZ	2427	106910	14017	7270
20:37	MA34286-CCV9	2401	104720	13740	7078
20:43	MA34286-CCB10	2462	110090	13712	7658
20:49	ZZZZZZ	2437	109740	13799	7606
20:55	ZZZZZZ	2421	106960	13972	7400
21:01	ZZZZZZ	2418	108860	13834	7407
21:08	ZZZZZZ	2407	106300	13943	7240
21:14	ZZZZZZ	2344	101410	13955	7028
21:20	ZZZZZZ	2307	99144	13911	6851
21:26	ZZZZZZ	2269	99372	13847	6651
21:32	ZZZZZZ	2221	98340	13876	6385
21:39	ZZZZZZ	2227	98931	14038	6445
21:45	MA34286-CCV10	2339	102380	13991	6897

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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
21:51	MA34286-CCB11	2429	108290	14244	7548
21:58	ZZZZZZ	2426	109580	14402	7571
22:04	ZZZZZZ	2273	97333	14279	6827
22:10	ZZZZZZ	2248	98778	14094	6707
22:16	MP80168-MB1	2394	110500	14437	7500
22:23	MP80168-LC1	2351	107190	14508	7205
22:29	MP80168-S1	2167	94332	14230	6286
22:35	MP80168-S2	2151	93292	14204	6214
22:41	JB69340-1F	2186	96718	14361	6392
22:47	MP80168-SD1	2287	100090	14445	6927
22:53	MA34286-CCV11	2238	101230	14146	6633
22:59	MA34286-CCB12	2313	104030	14249	7232
23:06	MA34286-CRI3	2312	103850	14380	7124
23:12	MA34286-CRID4	2319	105620	14411	7234
23:18	MA34286-CRIA3	2311	103390	14478	7215
23:25	MA34286-ICSA2	2014	89299	13886	5816
23:31	MA34286-ICSAB2	2049	92198	13966	5961
23:37	ZZZZZZ	2101	98750	13761	6306
23:44	ZZZZZZ	2304	102210	14531	7190
23:50	ZZZZZZ	2342	98975	14812	6685
23:56	MA34286-CCV12	2272	103090	14349	6801
00:02	MA34286-CCB13	2363	108920	14324	7431
00:09	ZZZZZZ	2183	97012	14057	6505
00:15	ZZZZZZ	2110	95390	13950	6179
00:21	ZZZZZZ	2121	96295	13939	6206
00:28	ZZZZZZ	2187	98423	14097	6455
00:34	ZZZZZZ	2285	103960	14230	6958
00:40	ZZZZZZ	2285	103390	14058	7004
00:46	ZZZZZZ	2258	102800	14119	6814
00:53	ZZZZZZ	2307	104960	14191	7074
00:59	ZZZZZZ	2283	103270	14181	6870
01:05	ZZZZZZ	2253	101600	14131	6690
01:11	MA34286-CCV13	2290	97119	14175	6776

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:17	MA34286-CCB14	2372	106970	14016	7387
01:23	ZZZZZZ	2275	101340	14373	6859
01:30	ZZZZZZ	2233	98316	14271	6581
01:36	ZZZZZZ	2295	103750	14269	6959
01:42	ZZZZZZ	2255	100380	14333	6833
01:48	ZZZZZZ	2277	103530	14518	6931
01:54	ZZZZZZ	2244	102660	14307	6785
02:01	ZZZZZZ	2294	102430	14542	7031
02:07	ZZZZZZ	2228	98801	14255	6676
02:13	ZZZZZZ	2181	99444	14099	6512
02:19	MA34286-CCV14	2229	99494	14094	6673
02:25	MA34286-CCB15	2340	104160	14452	7308
02:32	ZZZZZZ	2228	102790	14382	6729
02:38	ZZZZZZ	2215	99052	14283	6584
02:44	ZZZZZZ	2218	98944	14257	6717
02:50	MP80184-MB1	2307	106970	14446	7265
02:57	MP80184-B1	2265	102360	14530	6920
03:03	MP80184-B2	2253	101480	14565	6871
03:09	JB69662-1	2276	105970	14530	7213
03:15	MP80184-SD1	2316	107150	14457	7285
03:21	ZZZZZZ	2287	106180	14599	7299
03:28	ZZZZZZ	2267	103620	14463	7220
03:34	MA34286-CCV15	2204	98366	14389	6570
03:40	MA34286-CCB16	2306	106830	14307	7220
03:46	ZZZZZZ	2266	105590	14679	7347
03:52	ZZZZZZ	2268	101800	14549	7217
03:59	ZZZZZZ	2278	105210	14678	7257
04:05	ZZZZZZ	2269	106670	14657	7200
04:11	ZZZZZZ	2274	105410	14723	7240
04:17	ZZZZZZ	2262	103810	14784	7171
04:24	ZZZZZZ	2240	103030	14598	7094
04:30	ZZZZZZ	2263	105510	14374	7174
04:36	ZZZZZZ	2249	103600	14439	7148

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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	
04:42	ZZZZZZ	2256	102730	14720	7146	
04:48	MA34286-CCV16	2163	96540	14227	6467	
04:55	MA34286-CCB17	2283	105000	14405	7142	
05:01	ZZZZZZ	2254	105600	14605	7172	
05:07	MP80204-MB1	1980	87962	14137	5638	
05:13	MP80204-B1	1980	87207	14271	5617	
05:20	MP80204-S1	1955	86569	14162	5531	
05:26	MP80204-S2	1989	87765	14384	5620	
05:32	JB69588-1	1974	86818	14150	5569	
05:38	MP80204-SD1	2162	96178	14221	6369	
05:45	ZZZZZZ	1973	88490	14063	5571	
05:51	ZZZZZZ	1976	88836	14043	5581	
05:57	ZZZZZZ	1990	89052	13993	5615	
06:04	MA34286-CCV17	2218	99820	14277	6634	
06:10	MA34286-CCB18	2296	103650	14298	7215	
06:16	ZZZZZZ	1974	86848	14044	5581	
06:22	ZZZZZZ	1961	85398	14051	5533	
06:29	MP80204-PS1	1889	84058	13733	5344	!a
06:35	MA34286-CCV18	2183	96343	13977	6515	
06:41	MA34286-CCB19	2284	105400	14076	7154	
06:47	MA34286-CRI4	2265	102060	13916	7058	
06:54	MA34286-CRID5	2275	102690	14253	7127	
07:00	MA34286-CRIA4	2257	101040	14207	7068	
07:06	MA34286-ICSA3	2006	89108	13690	5805	
07:13	MA34286-ICSAB3	1995	91222	13596	5824	
07:19	MA34286-CCV19	2193	97700	14096	6561	
07:25	MA34286-CCB20	2244	101730	14143	7035	
07:31	ZZZZZZ	2264	104180	14036	7127	
07:38	ZZZZZZ	2268	100650	14258	7086	
07:44	ZZZZZZ	2079	96261	13541	6234	
07:50	ZZZZZZ	2287	106140	13917	7241	

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34286
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time: / Sample ID:			11:50 ICB1		12:11 CCB1		13:15 CCB2		14:24 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	4.7	<200	9.5	<200	-2.8	<200	6.2	<200
Antimony	6.0	1.4	0.30	<6.0	0.60	<6.0	1.6	<6.0	0.0	<6.0
Arsenic	3.0	1	0.50	<3.0	1.6	<3.0	1.8	<3.0	-0.20	<3.0
Barium	200	.2	0.0	<200	0.40	<200	0.10	<200	0.40	<200
Beryllium	1.0	.2	0.10	<1.0	0.20	<1.0	0.0	<1.0	0.20	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.10	<3.0	0.20	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	10	-0.70	<5000	5.1	<5000	-1.4	<5000	4.8	<5000
Chromium	10	.5	-0.20	<10	0.10	<10	0.20	<10	0.60	<10
Cobalt	50	.3	0.0	<50	-0.10	<50	0.10	<50	0.20	<50
Copper	10	1.1	0.0	<10	0.10	<10	-0.20	<10	0.80	<10
Iron	100	3.4	-2.5	<100	4.0	<100	-2.5	<100	4.8	<100
Lead	3.0	1.3	-0.60	<3.0	-0.50	<3.0	0.10	<3.0	0.50	<3.0
Lithium	20	1.3								
Magnesium	5000	19	-9.0	<5000	-7.0	<5000	-28	<5000	11.6	<5000
Manganese	15	.1	0.10	<15	0.30	<15	0.10	<15	0.50	<15
Molybdenum	20	.4	anr							
Nickel	10	.5	0.20	<10	0.20	<10	0.10	<10	0.30	<10
Palladium	50	1								
Potassium	10000	26	-8.7	<10000	34.7	<10000	4.8	<10000	16.8	<10000
Selenium	10	2.6	-2.4	<10	-4.9	<10	-1.0	<10	2.1	<10
Silicon	200	7.7								
Silver	10	.5	0.0	<10	-0.30	<10	-0.10	<10	0.0	<10
Sodium	10000	7.5	14.2	<10000	17.2	<10000	3.7	<10000	27.7	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.80	<2.0	0.40	<2.0	-0.20	<2.0	1.3	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.20	<50	0.40	<50	0.20	<50	0.40	<50
Zinc	20	1.4	-0.10	<20	0.20	<20	0.10	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time:			11:50		12:11		13:15		14:24	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time: / Sample ID:			15:37 CCB4		15:51 CCB5		16:22 CCB6		17:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	2.8	<200	9.7	<200	8.4	<200	7.4	<200
Antimony	6.0	1.4	1.3	<6.0	0.10	<6.0	1.8	<6.0	1.4	<6.0
Arsenic	3.0	1	-0.10	<3.0	0.50	<3.0	0.60	<3.0	-0.20	<3.0
Barium	200	.2	0.10	<200	0.60	<200	0.50	<200	0.60	<200
Beryllium	1.0	.2	0.10	<1.0	0.40	<1.0	0.30	<1.0	0.40	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.10	<3.0	0.20	<3.0	0.30	<3.0	0.20	<3.0
Calcium	5000	10	-0.80	<5000	4.1	<5000	0.90	<5000	0.60	<5000
Chromium	10	.5	0.20	<10	0.10	<10	0.20	<10	0.0	<10
Cobalt	50	.3	-0.10	<50	0.20	<50	0.20	<50	0.20	<50
Copper	10	1.1	-0.60	<10	0.60	<10	-0.60	<10	-0.20	<10
Iron	100	3.4	-1.2	<100	7.0	<100	4.0	<100	11.7	<100
Lead	3.0	1.3	-0.30	<3.0	-0.30	<3.0	-1.0	<3.0	-0.90	<3.0
Lithium	20	1.3								
Magnesium	5000	19	9.8	<5000	-1.8	<5000	-12	<5000	1.1	<5000
Manganese	15	.1	0.30	<15	0.50	<15	0.30	<15	0.50	<15
Molybdenum	20	.4	anr							
Nickel	10	.5	0.20	<10	0.30	<10	0.20	<10	0.40	<10
Palladium	50	1								
Potassium	10000	26	-2.3	<10000	20.5	<10000	18.2	<10000	17.5	<10000
Selenium	10	2.6	1.2	<10	1.4	<10	-0.90	<10	-1.3	<10
Silicon	200	7.7								
Silver	10	.5	0.0	<10	0.10	<10	-0.50	<10	0.0	<10
Sodium	10000	7.5	12.4	<10000	15.4	<10000	8.1	<10000	13.3	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.1	<2.0	1.7	<2.0	1.1	<2.0	0.40	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.50	<50	0.70	<50	0.40	<50	0.40	<50
Zinc	20	1.4	0.0	<20	0.10	<20	0.10	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time: / Sample ID:			15:37 CCB4		15:51 CCB5		16:22 CCB6		17:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time: / Sample ID:			18:38 CCB8		19:34 CCB9		20:43 CCB10		21:51 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	5.5	<200	12.6	<200	-3.1	<200	9.9	<200
Antimony	6.0	1.4	0.90	<6.0	0.90	<6.0	1.4	<6.0	0.50	<6.0
Arsenic	3.0	1	0.40	<3.0	0.0	<3.0	0.0	<3.0	0.20	<3.0
Barium	200	.2	0.50	<200	1.0	<200	0.0	<200	0.20	<200
Beryllium	1.0	.2	0.20	<1.0	0.50	<1.0	0.0	<1.0	0.10	<1.0
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.30	<3.0	0.50	<3.0	0.40	<3.0	0.50	<3.0
Calcium	5000	10	5.6	<5000	14.8	<5000	-6.0	<5000	-2.8	<5000
Chromium	10	.5	0.20	<10	1.6	<10	0.0	<10	0.10	<10
Cobalt	50	.3	0.0	<50	0.30	<50	0.20	<50	0.20	<50
Copper	10	1.1	0.20	<10	-0.10	<10	-0.40	<10	0.0	<10
Iron	100	3.4	6.1	<100	6.8	<100	-2.9	<100	0.50	<100
Lead	3.0	1.3	0.60	<3.0	4.2	* (a)	0.60	<3.0	-0.40	<3.0
Lithium	20	1.3								
Magnesium	5000	19	-34	<5000	18.4	<5000	-17	<5000	-14	<5000
Manganese	15	.1	0.50	<15	0.60	<15	0.10	<15	0.40	<15
Molybdenum	20	.4	anr							
Nickel	10	.5	0.30	<10	0.40	<10	0.60	<10	0.40	<10
Palladium	50	1								
Potassium	10000	26	28.2	<10000	3.9	<10000	-11	<10000	-5.5	<10000
Selenium	10	2.6	1.8	<10	1.5	<10	1.6	<10	0.60	<10
Silicon	200	7.7								
Silver	10	.5	-0.10	<10	-0.20	<10	-0.20	<10	-0.10	<10
Sodium	10000	7.5	2.0	<10000	9.7	<10000	8.1	<10000	18.3	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	1.1	<2.0	0.60	<2.0	0.40	<2.0	0.80	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.50	<50	0.80	<50	0.30	<50	0.30	<50
Zinc	20	1.4	1.8	<20	5.6	<20	0.30	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time:			18:38		19:34		20:43		21:51	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) 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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time:			22:59		00:02	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	7	-0.50	<200	6.4	<200
Antimony	6.0	1.4	0.70	<6.0	-0.10	<6.0
Arsenic	3.0	1	0.0	<3.0	-0.10	<3.0
Barium	200	.2	0.0	<200	0.0	<200
Beryllium	1.0	.2	0.20	<1.0	0.10	<1.0
Bismuth	20	.8				
Boron	100	.8				
Cadmium	3.0	.2	0.40	<3.0	0.40	<3.0
Calcium	5000	10	2.3	<5000	6.9	<5000
Chromium	10	.5	0.10	<10	0.20	<10
Cobalt	50	.3	0.40	<50	0.30	<50
Copper	10	1.1	0.20	<10	0.20	<10
Iron	100	3.4	3.9	<100	-0.40	<100
Lead	3.0	1.3	0.10	<3.0	-0.70	<3.0
Lithium	20	1.3				
Magnesium	5000	19	6.5	<5000	-0.20	<5000
Manganese	15	.1	0.30	<15	0.20	<15
Molybdenum	20	.4	anr			
Nickel	10	.5	0.10	<10	0.70	<10
Palladium	50	1				
Potassium	10000	26	-7.5	<10000	-1.1	<10000
Selenium	10	2.6	2.4	<10	2.1	<10
Silicon	200	7.7				
Silver	10	.5	-0.20	<10	0.20	<10
Sodium	10000	7.5	10.2	<10000	-1.6	<10000
Sulfur	50	3.5				
Strontium	10	.1				
Thallium	2.0	1.6	2.2	* (a)	2.2	* (a)
Tin	10	.8				
Titanium	10	.5				
Tungsten	50	5.6				
Vanadium	50	.3	0.40	<50	0.30	<50
Zinc	20	1.4	0.20	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34286 Units: ug/l

Time:			22:59		00:02	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.4				

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		12:00	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	41000	102.5
Antimony	2000	2050	102.5
Arsenic	2000	2050	102.5
Barium	2000	2060	103.0
Beryllium	2000	2080	104.0
Bismuth			
Boron			
Cadmium	2000	2060	103.0
Calcium	40000	41500	103.8
Chromium	2000	2080	104.0
Cobalt	2000	2060	103.0
Copper	2000	2010	100.5
Iron	40000	40000	100.0
Lead	2000	2080	104.0
Lithium			
Magnesium	40000	41500	103.8
Manganese	2000	2050	102.5
Molybdenum	anr		
Nickel	2000	2080	104.0
Palladium			
Potassium	40000	40400	101.0
Selenium	2000	2040	102.0
Silicon			
Silver	250	243	97.2
Sodium	40000	41000	102.5
Sulfur			
Strontium			
Thallium	2000	2160	108.0*(a
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0
Zinc	2000	2100	105.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		12:00	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		11:30			13:09			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40500	101.3	40000	40500	101.3
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Beryllium	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Calcium	40000	41300	103.3	40000	41100	102.8	40000	41000	102.5
Chromium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Cobalt	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Iron	40000	39900	99.8	40000	40200	100.5	40000	40000	100.0
Lead	2000	2060	103.0	2000	2080	104.0	2000	2080	104.0
Lithium									
Magnesium	40000	41300	103.3	40000	41300	103.3	40000	41200	103.0
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Palladium									
Potassium	40000	40300	100.8	40000	40300	100.8	40000	40200	100.5
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Silicon									
Silver	250	244	97.6	250	244	97.6	250	242	96.8
Sodium	40000	40800	102.0	40000	40900	102.3	40000	40800	102.0
Sulfur									
Strontium									
Thallium	2000	2160	108.0*(a	2000	2120	106.0	2000	2130	106.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Zinc	2000	2090	104.5	2000	2100	105.0	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		11:30			13:09			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		15:31			15:45			16:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37900	94.8	40000	40500	101.3	40000	39700	99.3
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2040	102.0
Arsenic	2000	2070	103.5	2000	2020	101.0	2000	2050	102.5
Barium	2000	2020	101.0	2000	2070	103.5	2000	2060	103.0
Beryllium	2000	2030	101.5	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2070	103.5	2000	2020	101.0	2000	2040	102.0
Calcium	40000	38300	95.8	40000	41000	102.5	40000	40100	100.3
Chromium	2000	2090	104.5	2000	2070	103.5	2000	2070	103.5
Cobalt	2000	2070	103.5	2000	2030	101.5	2000	2040	102.0
Copper	2000	2080	104.0	2000	1990	99.5	2000	2000	100.0
Iron	40000	41300	103.3	40000	40100	100.3	40000	40600	101.5
Lead	2000	2100	105.0	2000	2070	103.5	2000	2090	104.5
Lithium									
Magnesium	40000	37900	94.8	40000	41200	103.0	40000	40400	101.0
Manganese	2000	2210	110.5*(a	2000	2060	103.0	2000	2090	104.5
Molybdenum	anr								
Nickel	2000	2120	106.0	2000	2060	103.0	2000	2090	104.5
Palladium									
Potassium	40000	39100	97.8	40000	40400	101.0	40000	40100	100.3
Selenium	2000	2060	103.0	2000	2030	101.5	2000	2050	102.5
Silicon									
Silver	250	265	106.0	250	243	97.2	250	248	99.2
Sodium	40000	38600	96.5	40000	41100	102.8	40000	40500	101.3
Sulfur									
Strontium									
Thallium	2000	2210	110.5*(a	2000	2150	107.5	2000	2200	110.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2060	103.0	2000	2000	100.0	2000	2010	100.5
Zinc	2000	2090	104.5	2000	2070	103.5	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		15:31			15:45			16:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		17:24			18:32			19:28	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	40100	100.3	40000	40300	100.8
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Barium	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Beryllium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Calcium	40000	39700	99.3	40000	40500	101.3	40000	40800	102.0
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Cobalt	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Copper	2000	1990	99.5	2000	1970	98.5	2000	1970	98.5
Iron	40000	40200	100.5	40000	39700	99.3	40000	39500	98.8
Lead	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Lithium									
Magnesium	40000	39900	99.8	40000	40800	102.0	40000	41200	103.0
Manganese	2000	2100	105.0	2000	2050	102.5	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2060	103.0	2000	2060	103.0
Palladium									
Potassium	40000	39800	99.5	40000	40000	100.0	40000	40100	100.3
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	248	99.2	250	242	96.8	250	240	96.0
Sodium	40000	40100	100.3	40000	40800	102.0	40000	41000	102.5
Sulfur									
Strontium									
Thallium	2000	2150	107.5	2000	2110	105.5	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	1980	99.0	2000	1980	99.0
Zinc	2000	2080	104.0	2000	2080	104.0	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		17:24			18:32			19:28	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		20:37			21:45			22:53	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40100	100.3	40000	40800	102.0
Antimony	2000	2020	101.0	2000	2070	103.5	2000	2140	107.0
Arsenic	2000	2020	101.0	2000	2070	103.5	2000	2130	106.5
Barium	2000	2050	102.5	2000	2090	104.5	2000	2140	107.0
Beryllium	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	2070	103.5	2000	2110	105.5
Calcium	40000	40300	100.8	40000	40100	100.3	40000	40100	100.3
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Cobalt	2000	2020	101.0	2000	2060	103.0	2000	2080	104.0
Copper	2000	1990	99.5	2000	2040	102.0	2000	2070	103.5
Iron	40000	39600	99.0	40000	39900	99.8	40000	39600	99.0
Lead	2000	2070	103.5	2000	2090	104.5	2000	2110	105.5
Lithium									
Magnesium	40000	40200	100.5	40000	39700	99.3	40000	39400	98.5
Manganese	2000	2060	103.0	2000	2090	104.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2060	103.0	2000	2100	105.0	2000	2130	106.5
Palladium									
Potassium	40000	40200	100.5	40000	40500	101.3	40000	41000	102.5
Selenium	2000	2020	101.0	2000	2080	104.0	2000	2150	107.5
Silicon									
Silver	250	244	97.6	250	250	100.0	250	249	99.6
Sodium	40000	40700	101.8	40000	40800	102.0	40000	41600	104.0
Sulfur									
Strontium									
Thallium	2000	2140	107.0	2000	2180	109.0	2000	2190	109.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	2020	101.0	2000	2010	100.5
Zinc	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		20:37			21:45			22:53	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		23:56	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	40000	40900	102.3
Antimony	2000	2090	104.5
Arsenic	2000	2050	102.5
Barium	2000	2080	104.0
Beryllium	2000	2040	102.0
Bismuth			
Boron			
Cadmium	2000	2070	103.5
Calcium	40000	40400	101.0
Chromium	2000	2030	101.5
Cobalt	2000	2040	102.0
Copper	2000	2060	103.0
Iron	40000	38300	95.8
Lead	2000	2020	101.0
Lithium			
Magnesium	40000	39100	97.8
Manganese	2000	2010	100.5
Molybdenum	anr		
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	40700	101.8
Selenium	2000	2100	105.0
Silicon			
Silver	250	241	96.4
Sodium	40000	41000	102.5
Sulfur			
Strontium			
Thallium	2000	2150	107.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2010	100.5
Zinc	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34286 Units: ug/l

Time:		23:56	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				12:19		12:31		12:38	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	205	102.5	505	101.0	100	100.0
Antimony	6.0	20	3.0	6.5	108.3	21.4	107.0	3.3	110.0
Arsenic	8.0	20	3.0	9.4	117.5	20.4	102.0	3.5	116.7
Barium	200		4.0	206	103.0			4.1	102.5
Beryllium	2.0		1.0	2.2	110.0			1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.0	100.0			1.2	120.0
Calcium	5000		1000	5000	100.0			1030	103.0
Chromium	10		2.0	10.6	106.0			2.0	100.0
Cobalt	50		3.0	50.8	101.6			3.1	103.3
Copper	10		2.0	9.7	97.0			2.0	100.0
Iron	100	500		103	103.0	526	105.2		
Lead	3.0	20	2.5	2.3	76.7	20.4	102.0	2.2	88.0
Lithium	20								
Magnesium	5000		100	5110	102.2			91.8	91.8
Manganese	15		3.0	15.9	106.0			3.2	106.7
Molybdenum	20			anr					
Nickel	10		4.0	10.2	102.0			4.6	115.0
Palladium	50								
Potassium	5000		2000	5010	100.2			2070	103.5
Selenium	10	20	5.0	7.8	78.0	21.3	106.5		
Silicon	200								
Silver	5.0		1.0	5.0	100.0			1.1	110.0
Sodium	5000		1000	5090	101.8			1030	103.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.0	100.0			1.8	90.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.3	106.6			2.1	105.0
Zinc	20		10	23.7	118.5			12.0	120.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				12:19		12:31		12:38	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				15:57		16:03		16:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	215	107.5	107	107.0	501	100.2
Antimony	6.0	20	3.0	7.2	120.0			20.5	102.5
Arsenic	8.0	20	3.0	9.7	121.3	2.5	83.3	19.9	99.5
Barium	200		4.0	212	106.0	4.4	110.0		
Beryllium	2.0		1.0	2.3	115.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.0	100.0		
Calcium	5000		1000	5190	103.8	1090	109.0		
Chromium	10		2.0	10.8	108.0	2.3	115.0		
Cobalt	50		3.0	51.7	103.4	3.2	106.7		
Copper	10		2.0	9.6	96.0				
Iron	100	500		106	106.0			536	107.2
Lead	3.0	20	2.5	2.9	96.7	2.7	108.0	20.1	100.5
Lithium	20								
Magnesium	5000		100	5340	106.8	106	106.0		
Manganese	15		3.0	16.3	108.7	3.1	103.3		
Molybdenum	20			anr					
Nickel	10		4.0	10.5	105.0	4.6	115.0		
Palladium	50								
Potassium	5000		2000	5130	102.6	2140	107.0		
Selenium	10	20	5.0	12.1	121.0	5.8	116.0	24.6	123.0
Silicon	200								
Silver	5.0		1.0	4.7	94.0	0.70	70.0		
Sodium	5000		1000	5290	105.8	1100	110.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	7.9	79.0	1.9	95.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.4	108.8	1.9	95.0		
Zinc	20		10	24.4	122.0	12.2	122.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				15:57		16:03		16:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				23:06		23:12		23:18	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	204	102.0	106	106.0	481	96.2
Antimony	6.0	20	3.0	6.2	103.3	3.8	126.7	21.4	107.0
Arsenic	8.0	20	3.0	8.6	107.5	2.2	73.3	20.8	104.0
Barium	200		4.0	214	107.0	4.1	102.5		
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.3	130.0		
Calcium	5000		1000	4860	97.2	992	99.2		
Chromium	10		2.0	10.7	107.0	2.1	105.0		
Cobalt	50		3.0	52.1	104.2	3.2	106.7		
Copper	10		2.0	10.6	106.0	2.1	105.0		
Iron	100	500		103	103.0			515	103.0
Lead	3.0	20	2.5	2.8	93.3	2.0	80.0	20.3	101.5
Lithium	20								
Magnesium	5000		100	4880	97.6	95.0	95.0		
Manganese	15		3.0	16.4	109.3	3.1	103.3		
Molybdenum	20			anr					
Nickel	10		4.0	10.9	109.0	4.6	115.0		
Palladium	50								
Potassium	5000		2000	5100	102.0	2070	103.5		
Selenium	10	20	5.0	12.8	128.0			24.7	123.5
Silicon	200								
Silver	5.0		1.0	4.9	98.0	1.2	120.0		
Sodium	5000		1000	5150	103.0	1040	104.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.5	105.0	2.4	120.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.0	108.0	2.1	105.0		
Zinc	20		10	23.7	118.5	11.7	117.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34286 Units: ug/l

Time:				23:06		23:12		23:18	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34286 Units: ug/l

Time:			12:44		12:50		23:25		23:31	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	499000	99.8	510000	102.0	507000	101.4
Antimony		1000	1.0		1060	106.0	1.0		1110	111.0
Arsenic		1000	2.9		1100	110.0	2.3		1130	113.0
Barium		500	-1.0		502	100.4	-1.1		524	104.8
Beryllium		500	-0.10		499	99.8	-0.10		494	98.8
Bismuth		500	3.0		557	111.4	4.4		589	117.8
Boron			-15		-13		-14		-14	
Cadmium		1000	0.0		1040	104.0	0.30		1060	106.0
Calcium	400000	400000	382000	95.5	372000	93.0	369000	92.3	363000	90.8
Chromium		500	-0.40		482	96.4	0.10		478	95.6
Cobalt		500	0.50		487	97.4	0.70		487	97.4
Copper		500	-5.3		517	103.4	-4.0		544	108.8
Iron	200000	200000	184000	92.0	185000	92.5	184000	92.0	183000	91.5
Lead		1000	1.5		972	97.2	5.3		967	96.7
Lithium		500	4.0		536	107.2	5.5		561	112.2
Magnesium	500000	500000	537000	107.4	534000	106.8	505000	101.0	503000	100.6
Manganese		500	-0.10		498	99.6	-1.5		498	99.6
Molybdenum		500	8.7		520	104.0	7.9		529	105.8
Nickel		1000	0.30		982	98.2	0.40		979	97.9
Palladium		500	-14		533	106.6	-13		557	111.4
Potassium			6.7		-37		-44		-24	
Selenium		1000	-7.3		1090	109.0	-15		1140	114.0
Silicon			-5.9		-6.3		-8.3		-9.1	
Silver		1000	1.7		1040	104.0	-3.2		1070	107.0
Sodium			-1.4		-0.90		-2.6		-2.9	
Sulfur		500	-13		489	97.8	-8.9		517	103.4
Strontium			-1.0		-0.80		-0.20		-0.40	
Thallium		1000	0.50		980	98.0	0.0		1010	101.0
Tin			8.6		8.1		9.2		8.6	
Titanium			2.5		6.0		2.2		5.4	
Tungsten		500	30.9		638	127.6*	2.1		614	122.8*
Vanadium		500	-1.4		483	96.6	-0.80		487	97.4
Zinc		1000	-2.1		972	97.2	-2.2		941	94.1

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062014M1.ICP Date Analyzed: 06/20/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34286 Units: ug/l

Time:			12:44		12:50		23:25		23:31	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	24.6*		552	110.4	23.4*		555	111.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34291
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:58	MA34291-STD1	1		STDA
11:59	MA34291-STD2	1		STDB
12:00	MA34291-STD3	1		STDC
12:02	MA34291-STD4	1		STDD
12:03	MA34291-STD5	1		STDE
12:05	MA34291-STD6	1		STDF
12:16	MA34291-ICV1	1		
12:18	MA34291-ICB1	1		
12:19	MA34291-CCV1	1		
12:21	MA34291-CCB1	1		
12:22	MA34291-CRI1	1		
12:44	MP80222-MB1	1		
12:45	MP80222-LC1	2		
13:13	MP80222-S1	1		
13:15	MP80222-S2	1		
13:16	JB69562-1A	1		(sample used for QC only; not part of login JB69123)
13:18	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:23	MA34291-CCV2	1		
13:25	MA34291-CCB2	1		
13:26	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:41	MA34291-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34291
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:42	MA34291-CCB3	1		
13:44	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:50	MP80223-MB1	1		
13:52	MP80223-LC1	2		
13:53	MP80223-S1	1		
13:54	MP80223-S2	1		
13:56	JB69123-1	1		
13:58	MA34291-CCV4	1		
13:59	MA34291-CCB4	1		
14:01	JB69123-2	1		
14:02	JB69123-3	1		
14:03	JB69123-4	1		
14:05	JB69123-5	1		
14:06	JB69123-6	1		
---------->	Last reportable sample/prep for job JB69123			
14:07	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	MA34291-CCV5	1		
14:15	MA34291-CCB5	1		
---------->	Last reportable CCB for job JB69123			
14:17	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34291
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:28	JB69763-14	1		(sample used for QC only; not part of login JB69123)
14:30	MP80224-MB1	1		
14:31	MA34291-CCV6	1		
14:32	MA34291-CCB6	1		
14:34	MP80224-LC1	2		
14:35	MP80224-S1	1		overrange.
14:37	MP80224-S2	1		overrange.
14:39	JB69601-1	1		(sample used for QC only; not part of login JB69123)
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:50	MA34291-CCV7	1		
14:51	MA34291-CCB7	1		
14:53	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:56	ZZZZZZ	1		
14:57	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:11	MA34291-CCV8	1		
15:12	MA34291-CCB8	1		
15:14	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:48	MP80224-S1	2		
15:49	MP80224-S2	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34291
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:56	MA34291-CCV9	1		
15:57	MA34291-CCB9	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34291 Units: ug/l

Time: / Sample ID:			12:18 ICB1		12:21 CCB1		13:25 CCB2		13:42 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.023	<0.20	-0.011	<0.20	-0.016	<0.20	-0.023	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34291 Units: ug/l

Time:			13:59		14:15	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Mercury	0.20	.031	-0.029	<0.20	-0.025	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34291 Units: ug/l

Time:		12:16			12:19			13:23	
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	2.7	108.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34291 Units: ug/l

Time:		13:41			13:58			14:14	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.8	112.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8062314S1.CSV Date Analyzed: 06/23/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34291 Units: ug/l

Time:			12:22	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.17	85.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.3 10

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
Analyst: DP Run ID: MA34295
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:12	MA34295-STD1	1		B=2.2441e-004,C=1.5528e-003,R=0.9999879
14:14	MA34295-STD2	1		STDB
14:15	MA34295-STD3	1		STDC
14:16	MA34295-STD4	1		STDD
14:18	MA34295-STD5	1		STDE
14:19	MA34295-STD6	1		STDF
14:33	MA34295-ICV1	1		
14:34	MA34295-ICB1	1		
14:36	MA34295-ICCV1	1		
14:37	MA34295-CCB1	1		
14:39	MA34295-CRI1	1		
14:40	MP80234-MB1	1		
14:41	MP80234-B1	1		
14:43	MP80234-S1	1		
14:44	MP80234-S2	1		
14:46	JB67476-26T	1		(sample used for QC only; not part of login JB69123)
14:47	MP80235-MB1	1		
14:48	MP80235-B1	1		
14:50	MP80235-S1	1		
14:51	MA34295-CCV1	1		
14:53	MA34295-CCB2	1		
14:54	MP80235-S2	1		
14:56	JB69793-1B	1		(sample used for QC only; not part of login JB69123)
14:57	ZZZZZZ	1		
14:58	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:06	MA34295-CCV2	1		
15:07	MA34295-CCB3	1		
15:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
Analyst: DP Run ID: MA34295
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:10	ZZZZZZ	1		
15:11	ZZZZZZ	1		
15:13	MP80236-MB1	1		
15:14	MP80236-B1	1		
15:15	MP80236-S1	1		
15:17	MP80236-S2	1		
15:18	JB69647-2	1		(sample used for QC only; not part of login JB69123)
15:20	MP80237-MB1	1		
15:21	MA34295-CCV3	1		
15:22	MA34295-CCB4	1		
15:24	MP80237-LC1	1		
15:25	MP80237-S1	1		
15:27	MP80237-S2	1		
15:28	JB69115-3	1		(sample used for QC only; not part of login JB69123)
15:30	MP80237-S3	1		
15:31	MP80237-S4	1		
15:32	JB69115-3F	1		(sample used for QC only; not part of login JB69123)
15:34	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:37	MA34295-CCV4	1		
15:38	MA34295-CCB5	1		
15:39	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:51	MA34295-CCV5	1		
15:52	MA34295-CCB6	1		
15:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
Analyst: DP Run ID: MA34295
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:55	ZZZZZZ	1		
15:56	ZZZZZZ	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	MP80238-MB1	1		
16:04	MP80238-LC1	1		
16:06	MP80238-S1	1		
16:07	MA34295-CCV6	1		
16:08	MA34295-CCB7	1		
16:10	MP80238-S2	1		
16:11	JB69115-5	1		(sample used for QC only; not part of login JB69123)
16:13	MP80238-S3	1		
16:14	MP80238-S4	1		
16:16	JB69115-5F	1		(sample used for QC only; not part of login JB69123)
16:17	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:24	MA34295-CCV7	1		
16:25	MA34295-CCB8	1		
16:27	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
Analyst: DP Run ID: MA34295
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:39	MA34295-CCV8	1		
	16:41	MA34295-CCB9	1		
	16:42	ZZZZZZ	1		
	16:44	ZZZZZZ	1		
	16:45	JB69123-7	1		
---------->		Last reportable sample/prep for job JB69123			
	16:46	ZZZZZZ	1		
	16:48	ZZZZZZ	1		
	16:51	ZZZZZZ	1		
	16:52	MA34295-CRI2	1		
	16:54	MP80239-MB1	1		
	16:55	MP80239-LC1	1		
	16:57	MA34295-CCV9	1		
	16:58	MA34295-CCB10	1		
---------->		Last reportable CCB for job JB69123			
	17:00	MP80239-S1	1		
	17:01	MP80239-S2	1		
	17:03	ZZZZZZ	1		
	17:04	JB69102-1	1		(sample used for QC only; not part of login JB69123)
	17:05	ZZZZZZ	1		
	17:07	ZZZZZZ	1		
	17:08	ZZZZZZ	1		
	17:09	ZZZZZZ	1		
	17:11	ZZZZZZ	1		
	17:12	MA34295-CCV10	1		
	17:13	MA34295-CCB11	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34295 Units: ug/l

Time: / Sample ID:			14:34 ICB1		14:37 CCB1		14:53 CCB2		15:07 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.078	<0.20	-0.046	<0.20	-0.053	<0.20	-0.048	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34295 Units: ug/l

Time: / Sample ID:			15:22 CCB4		15:38 CCB5		15:52 CCB6		16:08 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.046	<0.20	-0.042	<0.20	-0.041	<0.20	-0.040	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34295 Units: ug/l

Time:			16:25		16:41		16:58	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.039	<0.20	-0.047	<0.20	-0.041	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 95 to 105 % Recovery Run ID: MA34295 Units: ug/l

Time:		14:36	
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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34295 Units: ug/l

Time:		14:33			14:51			15:06	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.8	93.3	2.5	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34295 Units: ug/l

Time:		15:21			15:37			15:51	
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	2.4	96.0	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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34295 Units: ug/l

Time:		16:07			16:24			16:39	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
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	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34295 Units: ug/l

Time:		16:57	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Mercury	2.5	2.3	92.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.3 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062314W1.CSV Date Analyzed: 06/23/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34295 Units: ug/l

Time:			14:39		16:52	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.20	100.0	0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/18/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	52	2.2	1.4	0.88	<52
Antimony	2.1	.11	.28	-0.041	<2.1
Arsenic	2.1	.13	.3	0.010	<2.1
Barium	21	.062	.082	0.093	<21
Beryllium	0.21	.021	.021	-0.010	<0.21
Bismuth	2.1	.21	.24		
Boron	10	.1	.19		
Cadmium	0.52	.031	.052	-0.010	<0.52
Calcium	520	1.1	3.1	8.6	<520
Chromium	1.0	.052	.072	0.010	<1.0
Cobalt	5.2	.031	.062	0.010	<5.2
Copper	2.6	.052	.15	0.093	<2.6
Iron	52	1.2	.99	3.5	<52
Lead	2.1	.14	.22	0.093	<2.1
Lithium	2.1	.22	.21		
Magnesium	520	11	3.5	0.66	<520
Manganese	1.5	.01	.062	0.062	<1.5
Molybdenum	2.1	.031	.072		
Nickel	4.1	.052	.1	0.23	<4.1
Palladium	5.2	.23	.27		
Potassium	1000	4.6	4.1	4.6	<1000
Selenium	2.1	.18	.34	0.062	<2.1
Silicon	21	.51	4.1		
Silver	0.52	.052	.14	-0.010	<0.52
Sodium	1000	1.2	1.9	45.6	<1000
Strontium	1.0	.031	.031		
Sulfur	5.2	.51	1.1		
Thallium	1.0	.19	.42	-0.082	<1.0
Tin	5.2	.1	1.3		
Titanium	1.0	.062	.1		
Tungsten	5.2	.3	4.6		
Vanadium	5.2	.062	.093	-0.010	<5.2
Zinc	2.1	.28	.39	0.36	<2.1

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/18/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.1	.021	.27		

Associated samples MP80126: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/18/14

Metal	JB68289-2 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	19700	25700	6460	92.9	75-125
Antimony	0.73	53.7	120	44.3N(a)	75-125
Arsenic	12.9	459	478	93.3	75-125
Barium	104	557	478	94.7	75-125
Beryllium	0.91	12.2	12	94.4	75-125
Bismuth					
Boron					
Cadmium	0.44	11.5	12	92.5	75-125
Calcium	1590	2450	1490	57.5N(a)	75-125
Chromium	34.5	81.5	47.8	98.2	75-125
Cobalt	14.4	127	120	94.2	75-125
Copper	63.4	105	59.8	69.6N(a)	75-125
Iron	31700	32100	6220	6.4 (b)	75-125
Lead	64.3	151	120	72.5N(a)	75-125
Lithium					
Magnesium	5100	8090	1490	200.0N(a	75-125
Manganese	615	536	120	-66.1(b)	75-125
Molybdenum					
Nickel	31.1	148	120	97.7	75-125
Palladium					
Potassium	2090	3270	1490	78.9	75-125
Selenium	0.34	435	478	90.9	75-125
Silicon					
Silver	0.0	11.9	12	99.5	75-125
Sodium	308	1730	1490	95.1	75-125
Strontium					
Sulfur					
Thallium	0.0	466	478	97.4	75-125
Tin					
Titanium					
Tungsten					
Vanadium	59.0	166	120	89.5	75-125
Zinc	103	199	120	80.3	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/18/14

Metal	JB68289-2 Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP80126: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/18/14

Metal	JB68289-2 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	19700	24000	6140	70.1N(a)	6.8	20
Antimony	0.73	47.5	114	41.1N(a)	12.3	20
Arsenic	12.9	437	455	93.3	4.9	20
Barium	104	549	455	97.9	1.4	20
Beryllium	0.91	11.6	11.4	94.0	5.0	20
Bismuth						
Boron						
Cadmium	0.44	11.1	11.4	93.8	3.5	20
Calcium	1590	2840	1420	88.0	14.7	20
Chromium	34.5	73.1	45.5	84.9	10.9	20
Cobalt	14.4	119	114	92.0	6.5	20
Copper	63.4	109	56.8	80.2	3.7	20
Iron	31700	28000	5910	-62.6(b)	13.6	20
Lead	64.3	163	114	86.8	7.6	20
Lithium						
Magnesium	5100	5540	1420	31.0N(a)	37.4 (c)	20
Manganese	615	535	114	-70.4(b)	0.2	20
Molybdenum						
Nickel	31.1	135	114	91.4	9.2	20
Palladium						
Potassium	2090	3310	1420	85.9	1.2	20
Selenium	0.34	414	455	91.0	4.9	20
Silicon						
Silver	0.0	11.5	11.4	101.2	3.4	20
Sodium	308	1730	1420	100.1	0.0	20
Strontium						
Sulfur						
Thallium	0.0	440	455	96.8	5.7	20
Tin						
Titanium						
Tungsten						
Vanadium	59.0	149	114	79.2	10.8	20
Zinc	103	192	114	78.3	3.6	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/18/14

Metal	JB68289-2 Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP80126: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/18/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5370	5570	96.5	80-120
Antimony	102	103	98.9	80-120
Arsenic	407	412	98.7	80-120
Barium	422	412	102.3	80-120
Beryllium	10.2	10.3	98.9	80-120
Bismuth				
Boron				
Cadmium	10.0	10.3	97.0	80-120
Calcium	1270	1290	98.6	80-120
Chromium	42.3	41.2	102.6	80-120
Cobalt	101	103	98.0	80-120
Copper	51.1	51.5	99.1	80-120
Iron	4930	5360	92.0	80-120
Lead	106	103	102.8	80-120
Lithium				
Magnesium	1220	1290	94.7	80-120
Manganese	106	103	102.8	80-120
Molybdenum				
Nickel	104	103	100.9	80-120
Palladium				
Potassium	1330	1290	103.2	80-120
Selenium	398	412	96.5	80-120
Silicon				
Silver	10.6	10.3	102.8	80-120
Sodium	1330	1290	103.2	80-120
Strontium				
Sulfur				
Thallium	430	412	104.3	80-120
Tin				
Titanium				
Tungsten				
Vanadium	97.7	103	94.8	80-120
Zinc	107	103	103.8	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/18/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP80126: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/14

Metal	JB68289-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	175000	181000	3.0	0-10
Antimony	6.50	12.2	87.7 (a)	0-10
Arsenic	114	118	3.3	0-10
Barium	921	951	3.3	0-10
Beryllium	8.10	8.70	7.4	0-10
Bismuth				
Boron				
Cadmium	3.90	4.10	5.1	0-10
Calcium	14200	15800	11.5*(b)	0-10
Chromium	307	318	3.8	0-10
Cobalt	128	130	1.7	0-10
Copper	563	556	1.3	0-10
Iron	282000	338000	20.1*(b)	0-10
Lead	572	583	1.9	0-10
Lithium				
Magnesium	45300	50500	11.4*(b)	0-10
Manganese	5470	5790	6.0	0-10
Molybdenum				
Nickel	276	281	1.7	0-10
Palladium				
Potassium	18600	18300	1.3	0-10
Selenium	3.00	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	34.6	NC	0-10
Sodium	2740	3060	11.9 (a)	0-10
Strontium				
Sulfur				
Thallium	1.50	12.1	706.7(a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	524	523	0.2	0-10
Zinc	916	980	6.9	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80126
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/18/14

Metal	JB68289-2 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP80126: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	7	11	6.8	<200
Antimony	6.0	1.4	2.6	0.20	<6.0
Arsenic	3.0	1	2.6	-1.3	<3.0
Barium	200	.2	1	0.10	<200
Beryllium	1.0	.2	.4	0.0	<1.0
Bismuth	20	.8	2.4		
Boron	100	.8	4.9		
Cadmium	3.0	.2	.7	0.0	<3.0
Calcium	5000	10	19	20.1	<5000
Chromium	10	.5	.89	0.0	<10
Cobalt	50	.3	.83	0.10	<50
Copper	10	1.1	1.2	0.30	<10
Iron	100	3.4	12	7.4	<100
Lead	3.0	1.3	1.3	0.10	<3.0
Lithium	20	1.3	2.8		
Magnesium	5000	19	41	15.8	<5000
Manganese	15	.1	.48	0.10	<15
Molybdenum	20	.4	1.1		
Nickel	10	.5	.75	0.0	<10
Palladium	50	1	3.2		
Potassium	10000	26	50	-16	<10000
Selenium	10	2.6	3.6	3.0	<10
Silicon	200	7.7	24		
Silver	10	.5	1.2	-0.50	<10
Sodium	10000	7.5	19	15.8	<10000
Sulfur	50	3.5	10		
Strontium	10	.1	.76		
Thallium	2.0	1.6	1.8	0.80	<2.0
Tin	10	.8	3.6		
Titanium	10	.5	.93		
Tungsten	50	5.6	14		
Vanadium	50	.3	.87	-0.10	<50
Zinc	20	1.4	7.6	1.3	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.4	1.9		

Associated samples MP80152: JB69123-7

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	22.7	2020	2000	99.9	75-125
Antimony	0.0	535	500	107.0	75-125
Arsenic	6.4	2200	2000	109.7	75-125
Barium	144	2180	2000	101.8	75-125
Beryllium	0.20	52.9	50	105.4	75-125
Bismuth					
Boron					
Cadmium	1.1	52.1	50	102.0	75-125
Calcium	164000	193000	25000	116.0	75-125
Chromium	2.8	208	200	102.6	75-125
Cobalt	14.8	525	500	102.0	75-125
Copper	19.5	265	250	98.2	75-125
Iron	218	1230	1000	101.2	75-125
Lead	5.5	530	500	104.9	75-125
Lithium					
Magnesium	57600	86000	25000	113.6	75-125
Manganese	2040	2530	500	98.0	75-125
Molybdenum					
Nickel	20.9	540	500	103.8	75-125
Palladium					
Potassium	12100	38100	25000	104.0	75-125
Selenium	11.4	2370	2000	117.9	75-125
Silicon					
Silver	0.0	51.2	50	102.4	75-125
Sodium	263000	304000	25000	164.0(a)	75-125
Strontium					
Thallium	0.0	2080	2000	104.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	1.8	469	500	93.4	75-125
Zinc	16.6	528	500	102.3	75-125
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original MS	Spikelot MPIRW1	% Rec	QC Limits

Associated samples MP80152: JB69123-7

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 amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	22.7	2000	2000	98.9	1.0	20
Antimony	0.0	532	500	106.4	0.6	20
Arsenic	6.4	2200	2000	109.7	0.0	20
Barium	144	2170	2000	101.3	0.5	20
Beryllium	0.20	52.6	50	104.8	0.6	20
Bismuth						
Boron						
Cadmium	1.1	52.1	50	102.0	0.0	20
Calcium	164000	187000	25000	92.0	3.2	20
Chromium	2.8	207	200	102.1	0.5	20
Cobalt	14.8	527	500	102.4	0.4	20
Copper	19.5	273	250	101.4	3.0	20
Iron	218	1230	1000	101.2	0.0	20
Lead	5.5	530	500	104.9	0.0	20
Lithium						
Magnesium	57600	83200	25000	102.4	3.3	20
Manganese	2040	2520	500	96.0	0.4	20
Molybdenum						
Nickel	20.9	542	500	104.2	0.4	20
Palladium						
Potassium	12100	37700	25000	102.4	1.1	20
Selenium	11.4	2360	2000	117.4	0.4	20
Silicon						
Silver	0.0	51.6	50	103.2	0.8	20
Sodium	263000	286000	25000	92.0	6.1	20
Strontium						
Thallium	0.0	2120	2000	106.0	1.9	20
Tin						
Titanium						
Tungsten						
Vanadium	1.8	471	500	93.8	0.4	20
Zinc	16.6	535	500	103.7	1.3	20
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit

Associated samples MP80152: JB69123-7

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	5190	5000	103.8	80-120
Antimony	506	500	101.2	80-120
Arsenic	516	500	103.2	80-120
Barium	532	500	106.4	80-120
Beryllium	529	500	105.8	80-120
Bismuth				
Boron				
Cadmium	513	500	102.6	80-120
Calcium	5820	5500	105.8	80-120
Chromium	529	500	105.8	80-120
Cobalt	504	500	100.8	80-120
Copper	489	500	97.8	80-120
Iron	5850	5500	106.4	80-120
Lead	527	500	105.4	80-120
Lithium				
Magnesium	5820	5500	105.8	80-120
Manganese	535	500	107.0	80-120
Molybdenum				
Nickel	522	500	104.4	80-120
Palladium				
Potassium	10400	10000	104.0	80-120
Selenium	554	500	110.8	80-120
Silicon				
Silver	198	200	99.0	80-120
Sodium	10500	10000	105.0	80-120
Sulfur				
Strontium				
Thallium	540	500	108.0	80-120
Tin				
Titanium				
Tungsten				
Vanadium	478	500	95.6	80-120
Zinc	538	500	107.6	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium				

Associated samples MP80152: JB69123-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum	22.7	0.00	100.0(a)	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	6.40	8.90	39.1 (a)	0-10
Barium	144	146	1.2	0-10
Beryllium	0.200	0.00	100.0(a)	0-10
Bismuth				
Boron				
Cadmium	1.10	2.70	145.5(a)	0-10
Calcium	164000	172000	5.3	0-10
Chromium	2.80	4.30	53.6 (a)	0-10
Cobalt	14.8	14.9	0.7	0-10
Copper	19.5	19.6	0.5	0-10
Iron	218	207	5.2	0-10
Lead	5.50	0.00	100.0(a)	0-10
Lithium				
Magnesium	57600	60500	5.1	0-10
Manganese	2040	2100	2.8	0-10
Molybdenum				
Nickel	20.9	21.7	3.8	0-10
Palladium				
Potassium	12100	12100	0.0	0-10
Selenium	11.4	19.2	68.4 (a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	263000	283000	7.9	0-10
Sulfur				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	1.80	2.90	61.1 (a)	0-10
Zinc	16.6	18.3	10.2 (a)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80152
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/19/14

Metal	JB68948-2F Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP80152: JB69123-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80223 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0052	.0075	-0.0013	<0.033

Associated samples MP80223: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80223
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/23/14

Metal	JB69763-14 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.032	0.41	0.372	101.6	75-125

Associated samples MP80223: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80223 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/14

Metal	JB69763-14 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.032	0.50	0.375	124.7	19.8	20

Associated samples MP80223: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80223
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/23/14

Metal	LCS Result	Spikelot HGLCS54082% Rec		QC Limits
Mercury	5.2	5.76	90.3	71-129

Associated samples MP80223: JB69123-1, JB69123-2, JB69123-3, JB69123-4, JB69123-5, JB69123-6

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80238
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/23/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.024	.064	0.025	<0.20

Associated samples MP80238: JB69123-7

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80238
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/23/14

Metal	JB69115-5 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	2.3	2	115.0	75-125

Associated samples MP80238: JB69123-7

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80238 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/14

Metal	JB69115-5 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.3	2	115.0	0.0	20

Associated samples MP80238: JB69123-7

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: JB69123
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80238
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/23/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	1.9	2	95.0	80-120

Associated samples MP80238: JB69123-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/20/14

Analyte	IDL ug/l
Mercury	.02387

The above applies to the following instrument runs:
MA34295

Instrument Detection Limits

Job Number: JB69123
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:
MA34291

Instrument Detection Limits

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 06/17/14

Analyte	IDL ug/l
Aluminum	7
Antimony	1.4
Arsenic	1
Barium	.2
Beryllium	.2
Bismuth	.8
Boron	.8
Cadmium	.2
Calcium	10.1
Chromium	.5
Cobalt	.3
Copper	1.1
Iron	3.4
Lead	1.3
Lithium	1.3
Magnesium	19
Manganese	.1
Molybdenum	.4
Nickel	.5
Palladium	1
Potassium	26.3
Selenium	2.6
Silicon	7.7
Silver	.5
Sodium	7.5
Sulfur	3.5
Strontium	.1
Thallium	1.6
Tin	.8
Titanium	.5
Tungsten	5.6
Vanadium	.3
Zinc	1.4
Zirconium	.4

The above applies to the following instrument runs:
MA34282,MA34286

Instrument Detection Limits

Job Number: JB69123
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:
MA34268

Instrument Detection Limits

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 06/19/14

Analyte	IDL ug/l
Aluminum	6.3
Antimony	1.6
Arsenic	1.1
Barium	.2
Beryllium	.2
Bismuth	1.1
Boron	1
Cadmium	.2
Calcium	8.7
Chromium	.4
Cobalt	.2
Copper	.7
Iron	5.1
Lead	1.5
Lithium	.9
Magnesium	37
Manganese	.2
Molybdenum	.3
Nickel	.4
Palladium	2.1
Potassium	32.3
Selenium	2.6
Silicon	12.2
Silver	.7
Sodium	61.3
Sulfur	4.1
Strontium	.1
Thallium	1.2
Tin	1.1
Titanium	.6
Tungsten	4.3
Vanadium	.3
Zinc	.5
Zirconium	.3

The above applies to the following instrument runs:
MA34279

Instrument Linear Ranges

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34295

Instrument Linear Ranges

Job Number: JB69123
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:
MA34291

Instrument Linear Ranges

Job Number: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 06/19/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	25000
Cadmium	10000
Calcium	500000
Chromium	50000
Cobalt	25000
Copper	50000
Iron	500000
Lead	50000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	50000
Thallium	25000
Tin	25000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34282,MA34286

Instrument Linear Ranges

Job Number: JB69123
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:
MA34268,MA34279

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/18/2014 13:50:43 Type: Cal
Method: Accutest1(v268) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0037**	**.0004**	**.0007**	**.0000**	**.0000**	**.0023**	**.0000**	**.0000**	**-.0001**
Stddev	.0005	.0001	.0001	.0000	.0000	.0001	.0000	.0002	.0001
%RSD	13.12	18.30	16.21	375.0	53.97	3.651	48.19	373.9	49.00
#1	.0040	.0005	.0006	-.0000	.0001	.0024	.0000	-.0001	-.0002
#2	.0033	.0004	.0007	.0000	.0000	.0022	.0000	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0004**	**-.0003**	**-.0000**	**.0000**	**.0003**	**-.0001**	**.0003**	**.0058**
Stddev	.0000	.0000	.0001	.0000	.0000	.0002	.0000	.0000	.0002
%RSD	4.038	4.665	31.89	15.15	95.07	72.21	42.08	13.79	2.636
#1	.0000	.0004	-.0004	-.0000	.0000	.0004	-.0001	.0003	.0057
#2	.0000	.0004	-.0003	-.0000	.0000	.0001	-.0001	.0003	.0059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0000**	**-.0010**	**.0009**	**.0005**	**.0003**	**-.0002**	**.0045**	**.0001**
Stddev	.0001	.0000	.0007	.0008	.0000	.0001	.0000	.0000	.0000
%RSD	57.68	89.28	63.85	94.64	.0228	16.73	20.61	.9202	21.18
#1	.0002	.0000	-.0015	.0014	.0005	.0003	-.0001	.0045	.0002
#2	.0001	.0000	-.0006	.0003	.0005	.0004	-.0002	.0045	.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	**-.0005**	**-.0001**	**.0021**	**-.0001**	**.0018**	**-.0005**	**-.0013**
Stddev	.0001	.0000	.0002	.0000	.0001	.0000	.0005
%RSD	24.45	9.185	8.367	16.03	7.088	6.404	36.93
#1	-.0005	-.0001	.0023	-.0001	.0019	-.0005	-.0016
#2	-.0004	-.0001	.0020	-.0001	.0017	-.0005	-.0009

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/18/2014 13:50:43 Type: Cal
Method: Accutest1(v268) 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	**59021.**	**11264.**	**1963.0**	**4220.5**
Stddev	9.	25.	6.9	10.0
%RSD	.01535	.22567	.35371	.23804
#1	59027.	11246.	1958.1	4213.4
#2	59014.	11282.	1967.9	4227.6

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/18/2014 13:56:50 Type: Cal
Method: Accutest1(v268) 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	**10.56**	**7.574**	**4.206**	**2.081**	**.3261**	**.8894**	**1.802**	**1.492**	**.0543**
Stddev	.03	.037	.009	.003	.0007	.0028	.002	.002	.0003
%RSD	.2676	.4829	.2249	.1220	.2168	.3177	.1183	.0985	.5674
#1	10.58	7.600	4.212	2.083	.3266	.8914	1.800	1.493	.0545
#2	10.54	7.549	4.199	2.080	.3256	.8874	1.803	1.491	.0541

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	**.4260**	**3.740**	**.4305**	**.2068**	**.6076**	**.3275**	**.8058**	**3.321**	**3.493**
Stddev	.0004	.001	.0010	.0002	.0000	.0008	.0028	.008	.006
%RSD	.0988	.0163	.2263	.0932	.0031	.2362	.3526	.2276	.1763
#1	.4263	3.740	.4312	.2070	.6077	.3280	.8078	3.326	3.498
#2	.4257	3.739	.4298	.2067	.6076	.3269	.8038	3.316	3.489

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.799**	**.3484**	**4.499**	**14.85**	**1.049**	**3.453**	**.1707**	**2.795**	**.6453**
Stddev	.001	.0011	.021	.01	.003	.008	.0006	.009	.0000
%RSD	.0338	.3145	.4698	.0881	.2517	.2375	.3478	.3301	.0017
#1	2.799	.3476	4.514	14.86	1.050	3.458	.1711	2.802	.6453
#2	2.800	.3492	4.484	14.84	1.047	3.447	.1702	2.788	.6453

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	**20.22**	**.4697**	**1.557**	**1.105**	**.2124**	**1.064**	**5.337**
Stddev	.28	.0021	.001	.002	.0006	.004	.012
%RSD	1.392	.4478	.0831	.2118	.2698	.3271	.2284
#1	20.42	.4711	1.556	1.106	.2128	1.067	5.346
#2	20.02	.4682	1.558	1.103	.2120	1.062	5.329

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/18/2014 13:56:50 Type: Cal
Method: Accutest1(v268) 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	**53734.**	**10901.**	**1806.8**	**3583.9**
Stddev	25.	8.	4.2	4.4
%RSD	.04693	.07620	.23520	.12168
#1	53716.	10895.	1803.8	3580.8
#2	53752.	10907.	1809.8	3587.0

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/18/2014 14:02:49 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.050**	**2.032**	**2.028**	**2.093**	**2.000**	**2.101**	**2.064**	**.2477**
Stddev	.023	.021	.004	.006	.011	.000	.004	.007	.0013
%RSD	1.136	1.043	.1914	.2781	.5328	.0131	.1699	.3448	.5250
#1	2.014	2.035	2.029	2.024	2.085	2.000	2.098	2.059	.2468
#2	2.047	2.066	2.035	2.032	2.101	2.000	2.103	2.069	.2487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.075**	**2.020**	**2.109**	**2.071**	**2.023**	**2.026**	**39.91**	**40.63**
Stddev	.009	.011	.004	.005	.009	.003	.007	.46	.39
%RSD	.4587	.5239	.1767	.2442	.4222	.1441	.3576	1.147	.9485
#1	2.074	2.068	2.017	2.105	2.065	2.021	2.021	39.58	40.36
#2	2.087	2.083	2.022	2.112	2.077	2.025	2.031	40.23	40.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.02**	**39.91**	**39.76**	**40.19**	**2.058**	**2.069**	**2.027**	**5.092**	**2.090**
Stddev	.57	.40	.40	.45	.005	.009	.006	.014	.007
%RSD	1.395	.9911	.9964	1.126	.2222	.4353	.2798	.2810	.3255
#1	40.61	39.63	39.48	39.87	2.055	2.062	2.023	5.082	2.085
#2	41.42	40.19	40.04	40.51	2.061	2.075	2.031	5.102	2.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/18/2014 14:02:49 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.065**	**2.040**	**2.054**	**2.013**	**2.029**	**1.979**
Stddev	.025	.012	.008	.005	.010	.005	.022
%RSD	1.242	.5829	.3714	.2318	.4958	.2603	1.122
#1	2.030	2.056	2.035	2.050	2.006	2.025	1.964
#2	2.066	2.073	2.046	2.057	2.020	2.033	1.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54598.**	**10975.**	**1854.3**	**3728.6**
Stddev	113.	83.	4.5	8.7
%RSD	.20767	.75672	.24449	.23451
#1	54678.	11033.	1857.5	3734.8
#2	54518.	10916.	1851.1	3722.4

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/18/2014 14:08:43 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0000**	**.0001**	**.0001**	**-.0006**	**-.0001**	**.0001**	**.0002**	**-.0005**
Stddev	.0001	.0001	.0000	.0000	.0002	.0002	.0000	.0002	.0005
%RSD	82.42	302.4	19.19	22.74	39.68	355.4	28.36	65.53	104.5
#1	-.0003	-.0001	.0000	.0001	-.0004	-.0002	.0001	.0001	-.0009
#2	-.0001	.0000	.0001	.0001	-.0008	.0001	.0001	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0011**	**-.0007**	**.0003**	**.0023**	**.0004**	**.0011**	**.0007**
Stddev	.0003	.0001	.0007	.0001	.0005	.0002	.0017	.0081	.0028
%RSD	605.6	113.3	62.03	15.52	156.4	8.903	370.1	712.0	407.0
#1	.0002	.0002	.0015	-.0008	.0007	.0021	.0016	.0069	-.0013
#2	-.0003	.0000	.0006	-.0006	-.0000	.0024	-.0007	-.0046	.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0112**	**.0451**	**.0032**	**.0012**	**.0007**	**-.0008**	**.0010**	**.0002**
Stddev	.0009	.0128	.0035	.0004	.0003	.0001	.0013	.0000	.0003
%RSD	1964.	114.2	7.747	13.04	27.60	12.85	155.6	1.182	136.2
#1	-.0006	-.0022	.0426	.0029	.0015	.0006	-.0018	.0010	.0004
#2	.0007	-.0202	.0476	.0035	.0010	.0007	.0001	.0010	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/18/2014 14:08:43 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0135**	**.0007**	**-.0020**	**-.0002**	**.0007**
Stddev	.0000	.0003	.0010	.0001	.0022	.0006	.0006
%RSD	31.41	88.89	7.107	15.32	108.5	310.5	83.71
#1	.0000	.0001	.0142	.0008	-.0005	.0002	.0011
#2	.0001	.0006	.0128	.0006	-.0035	-.0007	.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	**59627.**	**11337.**	**1931.3**	**4157.4**
Stddev	72.	26.	6.2	14.8
%RSD	.12034	.22520	.32042	.35690
#1	59576.	11319.	1935.7	4167.9
#2	59678.	11355.	1926.9	4147.0

Zoom In Zoom Out

Sample Name: icv Acquired: 6/18/2014 14:17:29 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**2.042**	**2.033**	**2.030**	**2.041**	**1.959**	**2.048**	**2.061**	**.2437**
Stddev	.004	.003	.023	.020	.021	.021	.027	.022	.0025
%RSD	.2042	.1634	1.149	1.003	1.040	1.089	1.318	1.067	1.029
#1	2.034	2.044	2.057	2.052	2.033	1.952	2.028	2.083	.2441
#2	2.029	2.039	2.032	2.026	2.065	1.983	2.078	2.059	.2459
#3	2.025	2.045	2.010	2.012	2.025	1.942	2.036	2.039	.2410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.077**	**2.016**	F **2.110**	**2.066**	**2.013**	**2.025**	**39.79**	**40.41**
Stddev	.025	.025	.024	.020	.020	.024	.023	.06	.06
%RSD	1.226	1.186	1.194	.9451	.9601	1.198	1.141	.1536	.1398
#1	2.022	2.104	2.040	2.131	2.087	2.039	2.047	39.86	40.37
#2	2.065	2.071	2.015	2.107	2.064	2.010	2.026	39.74	40.38
#3	2.023	2.056	1.992	2.092	2.048	1.991	2.001	39.78	40.47
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	**41.03**	**39.80**	**39.77**	**40.27**	**2.059**	**2.073**	**1.984**	**5.093**	**2.085**
Stddev	.07	.07	.04	.08	.022	.023	.023	.058	.021
%RSD	.1757	.1669	.0913	.2080	1.091	1.092	1.165	1.138	1.005
#1	41.11	39.82	39.81	40.37	2.081	2.097	1.981	5.147	2.105
#2	40.97	39.72	39.76	40.23	2.059	2.072	2.008	5.100	2.086
#3	41.01	39.85	39.74	40.22	2.036	2.052	1.962	5.032	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/18/2014 14:17:29 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.018**	**2.035**	**2.006**	**2.014**	**2.030**	**1.975**
Stddev	.005	.018	.018	.022	.021	.019	.005
%RSD	.2328	.9046	.8869	1.109	1.064	.9376	.2460
#1	2.052	2.018	2.053	1.995	2.036	2.050	1.980
#2	2.047	2.037	2.036	2.032	2.012	2.028	1.973
#3	2.042	2.000	2.017	1.991	1.993	2.012	1.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55724.**	**10992.**	**1849.3**	**3719.8**
Stddev	479.	28.	18.9	34.3
%RSD	.85895	.25660	1.0215	.92180
#1	55944.	10996.	1831.1	3685.5
#2	55175.	11019.	1848.0	3719.9
#3	56054.	10963.	1868.8	3754.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/18/2014 14:34:33 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0001**	**.0002**	**.0001**	**.0003**	**.0004**	**-.0000**	**.0003**
Stddev	.0002	.0000	.0002	.0001	.0001	.0003	.0001	.0001	.0000
%RSD	71.94	6.555	161.5	44.03	206.7	104.9	14.25	226.2	9.293
#1	.0004	.0003	.0002	.0003	.0001	.0001	.0004	-.0001	.0003
#2	.0001	.0003	-.0000	.0002	-.0000	.0005	.0003	.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**	**.0000**	**-.0004**	**-.0003**	**.0002**	**.0020**	**-.0007**	**-.0003**	**.0041**
Stddev	.0004	.0001	.0013	.0002	.0003	.0007	.0001	.0068	.0015
%RSD	72.80	179.0	306.8	70.68	115.9	35.06	17.04	2434.	36.89
#1	.0002	.0001	-.0014	-.0001	.0000	.0025	-.0006	.0045	.0030
#2	.0007	-.0000	.0005	-.0004	.0005	.0015	-.0008	-.0051	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**-.0195**	**.0274**	**.0043**	**.0007**	**.0005**	**-.0001**	**.0008**	**.0005**
Stddev	.0004	.0026	.0136	.0067	.0005	.0002	.0001	.0002	.0001
%RSD	5.498	13.14	49.45	155.5	70.64	45.80	121.8	27.11	24.44
#1	.0082	-.0176	.0370	-.0004	.0010	.0006	-.0002	.0006	.0004
#2	.0076	-.0213	.0178	.0091	.0003	.0003	-.0000	.0009	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/18/2014 14:34:33 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0033**	**.0002**	**-.0007**	**-.0002**	**.0006**
Stddev	.0000	.0002	.0010	.0000	.0027	.0008	.0007
%RSD	6.220	291.0	30.82	10.99	390.7	336.1	129.7
#1	.0003	.0002	.0041	.0002	.0012	-.0008	.0011
#2	.0003	-.0001	.0026	.0002	-.0026	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59155.**	**11313.**	**1943.2**	**4177.9**
Stddev	172.	17.	11.4	26.7
%RSD	.29072	.15292	.58780	.63914
#1	59276.	11300.	1935.1	4159.0
#2	59033.	11325.	1951.3	4196.7

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/18/2014 14:40:08 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**2.052**	**2.029**	**2.025**	**2.056**	**1.971**	**2.061**	**2.056**	**.2447**
Stddev	.013	.015	.009	.005	.001	.015	.005	.004	.0005
%RSD	.6123	.7198	.4473	.2288	.0324	.7614	.2584	.2004	.1930
#1	2.030	2.041	2.023	2.022	2.056	1.982	2.057	2.053	.2450
#2	2.047	2.062	2.035	2.028	2.055	1.961	2.064	2.059	.2444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.067**	**2.015**	F **2.106**	**2.062**	**2.016**	**2.023**	**40.08**	**40.59**
Stddev	.001	.007	.011	.005	.004	.005	.005	.30	.44
%RSD	.0242	.3541	.5541	.2414	.1910	.2661	.2533	.7490	1.077
#1	2.047	2.061	2.007	2.102	2.059	2.012	2.020	39.86	40.29
#2	2.046	2.072	2.023	2.109	2.065	2.020	2.027	40.29	40.90
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	**41.15**	**39.87**	**39.92**	**40.38**	**2.056**	**2.069**	**1.995**	**5.085**	**2.082**
Stddev	.32	.50	.30	.30	.009	.007	.016	.025	.006
%RSD	.7855	1.256	.7422	.7514	.4352	.3261	.8051	.4880	.3112
#1	40.92	39.52	39.71	40.17	2.049	2.064	2.007	5.068	2.077
#2	41.38	40.23	40.13	40.60	2.062	2.074	1.984	5.103	2.087
Check ?	Chk Pass	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: 6/18/2014 14:40:08 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**2.026**	**2.016**	**2.017**	**2.005**	**2.029**	**1.987**
Stddev	.013	.006	.014	.004	.009	.006	.015
%RSD	.6390	.2893	.7032	.2142	.4467	.2902	.7586
#1	2.048	2.031	2.006	2.020	1.998	2.025	1.976
#2	2.066	2.022	2.026	2.014	2.011	2.033	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	**55348.**	**10920.**	**1847.9**	**3717.1**
Stddev	147.	116.	6.7	7.5
%RSD	.26634	1.0649	.36368	.20075
#1	55244.	11002.	1852.6	3722.4
#2	55452.	10837.	1843.1	3711.9

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/18/2014 14:44:56 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.047**	**2.033**	**2.031**	**2.066**	**1.979**	**2.076**	**2.066**	**.2458**
Stddev	.009	.013	.002	.006	.013	.016	.016	.005	.0027
%RSD	.4446	.6276	.0989	.3039	.6150	.8295	.7612	.2398	1.097
#1	2.033	2.061	2.033	2.026	2.076	1.987	2.087	2.062	.2478
#2	2.016	2.036	2.031	2.028	2.077	1.997	2.093	2.063	.2481
#3	2.015	2.036	2.035	2.040	2.050	1.963	2.061	2.072	.2424
#4	2.029	2.056	2.031	2.029	2.062	1.968	2.065	2.068	.2447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.077**	**2.020**	F **2.109**	**2.071**	**2.023**	**2.029**	**39.73**	**40.40**
Stddev	.014	.006	.004	.004	.008	.004	.003	.14	.20
%RSD	.6807	.3096	.1912	.2082	.3757	.2068	.1638	.3465	.4864
#1	2.073	2.073	2.020	2.110	2.063	2.025	2.028	39.86	40.57
#2	2.077	2.071	2.014	2.110	2.066	2.017	2.024	39.63	40.27
#3	2.048	2.085	2.022	2.114	2.077	2.025	2.031	39.59	40.20
#4	2.054	2.077	2.023	2.103	2.079	2.026	2.031	39.83	40.57
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: 6/18/2014 14:44:56 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.77**	**39.53**	**39.68**	**40.05**	**2.060**	**2.070**	**2.001**	**5.100**	**2.092**
Stddev	.12	.17	.15	.15	.002	.002	.021	.007	.005
%RSD	.3064	.4233	.3793	.3802	.1065	.1069	1.033	.1293	.2214
#1	40.91	39.71	39.87	40.23	2.060	2.072	2.013	5.101	2.088
#2	40.77	39.54	39.55	39.95	2.057	2.069	2.023	5.095	2.090
#3	40.61	39.31	39.56	39.91	2.061	2.072	1.976	5.109	2.094
#4	40.80	39.58	39.72	40.12	2.062	2.068	1.994	5.095	2.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.038**	**2.041**	**2.031**	**2.012**	**2.031**	**1.973**
Stddev	.008	.016	.003	.017	.004	.002	.007
%RSD	.3995	.7727	.1274	.8448	.1803	.0732	.3658
#1	2.049	2.047	2.044	2.038	2.012	2.031	1.979
#2	2.033	2.053	2.041	2.051	2.011	2.029	1.968
#3	2.032	2.018	2.043	2.014	2.009	2.033	1.965
#4	2.042	2.031	2.038	2.020	2.017	2.030	1.979
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: 6/18/2014 14:44:56 Type: QC
Method: Accutest1(v268) 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	**55163.**	**11024.**	**1846.9**	**3713.5**
Stddev	427.	41.	1.2	1.8
%RSD	.77469	.36756	.06382	.04719
#1	54855.	10982.	1845.6	3715.6
#2	54762.	11039.	1846.4	3714.3
#3	55660.	11073.	1848.3	3712.5
#4	55375.	11002.	1847.4	3711.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 15:02:13 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0004**	**.0002**	**-.0000**	**.0001**
Stddev	.0001	.0000	.0002	.0003	.0002	.0000	.0000	.0001	.0007
%RSD	594.7	52.37	209.1	2414.	160.9	.3647	12.96	6667.	1288.
#1	-.0001	.0000	.0002	.0002	-.0002	.0004	.0001	-.0001	-.0004
#2	.0001	.0000	-.0000	-.0002	.0000	.0004	.0002	.0001	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0003**	**-.0007**	**.0003**	**.0015**	**-.0005**	**-.0003**	**.0043**
Stddev	.0000	.0000	.0006	.0006	.0001	.0002	.0002	.0014	.0040
%RSD	15.88	94.94	183.0	86.51	43.25	14.89	43.87	531.8	92.33
#1	-.0001	.0001	-.0001	-.0012	.0004	.0013	-.0006	-.0013	.0015
#2	-.0001	.0000	.0008	-.0003	.0002	.0017	-.0003	.0007	.0071
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	**.0018**	**-.0206**	**.0195**	**.0049**	**.0007**	**.0001**	**-.0001**	**.0004**	**.0001**
Stddev	.0013	.0014	.0210	.0000	.0006	.0000	.0008	.0001	.0005
%RSD	68.91	7.027	107.6	.9963	82.92	12.72	1261.	34.23	696.4
#1	.0027	-.0196	.0344	.0048	.0012	.0001	.0005	.0003	.0004
#2	.0009	-.0216	.0047	.0049	.0003	.0001	-.0006	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 15:02:13 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**.0031**	**.0002**	**-.0012**	**.0003**	**.0011**
Stddev	.0001	.0004	.0002	.0002	.0010	.0003	.0002
%RSD	41.20	76.78	7.313	108.3	85.55	88.85	15.05
#1	.0001	.0007	.0032	.0000	-.0005	.0005	.0010
#2	.0002	.0002	.0029	.0003	-.0019	.0001	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57048.**	**11308.**	**1974.3**	**4238.8**
Stddev	2422.	30.	17.0	36.5
%RSD	4.2456	.26304	.85951	.86016
#1	58760.	11329.	1986.3	4264.6
#2	55335.	11287.	1962.3	4213.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/18/2014 15:09:36 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2095**	**.0022**	**.0036**	**.0520**	**.0111**	**.0108**	**.0165**	**.0110**	**.0048**
Stddev	.0011	.0000	.0000	.0000	.0001	.0003	.0000	.0000	.0005
%RSD	.5401	2.187	.0702	.0606	1.071	3.029	.0365	.3016	9.739
#1	.2103	.0022	.0036	.0521	.0112	.0111	.0165	.0110	.0052
#2	.2087	.0023	.0036	.0520	.0110	.0106	.0165	.0110	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0517**	**.0240**	**.0090**	**.0110**	**.0033**	F **.0149**	**.0052**	**.2102**	**5.093**
Stddev	.0003	.0000	.0011	.0023	.0005	.0014	.0008	.0044	.001
%RSD	.5714	.0367	12.79	21.36	14.78	9.539	15.67	2.083	.0132
#1	.0519	.0240	.0082	.0093	.0037	.0139	.0046	.2071	5.092
#2	.0515	.0240	.0098	.0127	.0030	.0159	.0057	.2133	5.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1108**	**4.978**	**4.926**	**5.096**	**.1086**	**.0220**	**.0572**	**.2115**	**.0109**
Stddev	.0047	.019	.012	.016	.0000	.0000	.0001	.0009	.0003
%RSD	4.265	.3810	.2372	.3212	.0448	.0789	.2061	.4077	2.742
#1	.1074	4.992	4.918	5.107	.1086	.0220	.0572	.2109	.0107
#2	.1141	4.965	4.934	5.084	.1086	.0219	.0571	.2121	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/18/2014 15:09:36 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0111**	**.0105**	**.0528**	**.0108**	**.0493**	**.0214**	**.0209**
Stddev	.0000	.0002	.0002	.0002	.0032	.0001	.0006
%RSD	.0541	1.546	.4014	1.399	6.389	.3402	2.669
#1	.0111	.0104	.0530	.0109	.0471	.0214	.0213
#2	.0110	.0106	.0527	.0107	.0515	.0215	.0205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57690.**	**11056.**	**1901.5**	**4030.7**
Stddev	365.	15.	4.1	10.3
%RSD	.63243	.13264	.21785	.25514
#1	57432.	11045.	1904.4	4038.0
#2	57948.	11066.	1898.6	4023.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/18/2014 15:15:45 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0009**	**.0010**	**.0032**	**.0016**	**.0020**	**.0032**	**.0046**
Stddev	.0001	.0001	.0000	.0001	.0001	.0001	.0001	.0000
%RSD	1.479	11.00	1.447	2.378	7.152	5.526	2.560	1.063
#1	.0039	.0009	.0010	.0032	.0017	.0019	.0032	.0045
#2	.0040	.0010	.0010	.0031	.0015	.0020	.0033	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0020**	**.0125**	F **.0051**	**.0016**	**.0030**	**.0055**	**.0021**
Stddev	.0001	.0004	.0001	.0007	.0013	.0008	.0000	.0008
%RSD	10.93	22.20	.4503	13.94	84.29	26.69	.4476	37.65
#1	.0009	.0017	.0125	.0056	.0025	.0036	.0055	.0016
#2	.0011	.0023	.0125	.0046	.0006	.0024	.0055	.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.0030				
Range				30.00%				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0964**	**1.051**	**-.0004**	**.1053**	**2.031**	**1.039**	**.0107**	**-.0001**
Stddev	.0069	.012	.0021	.0129	.006	.004	.0003	.0000
%RSD	7.190	1.145	562.0	12.28	.3100	.3400	2.445	27.60
#1	.1013	1.042	-.0018	.0962	2.027	1.036	.0105	-.0001
#2	.0915	1.059	.0011	.1145	2.036	1.041	.0108	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/18/2014 15:15:45 Type: QC
Method: Accutest1(v268) 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**	**-.0036**	**-.0002**	**-.0001**	**.0005**	F **-.0001**	F **.0000**	F **.0011**
Stddev	.0008	.0001	.0001	.0001	.0004	.0005	.0002	.0011
%RSD	99.35	2.723	35.37	83.82	76.76	838.8	1041.	94.15
#1	-.0003	-.0035	-.0003	-.0000	.0002	-.0004	.0002	.0004
#2	-.0014	-.0036	-.0002	-.0001	.0007	.0003	-.0001	.0019
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 **.0008**
Stddev	.0006	.0004
%RSD	323.4	48.59
#1	.0006	.0010
#2	-.0002	.0005
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58006.**	**11103.**	**1935.4**	**4142.4**
Stddev	28.	70.	4.5	14.7
%RSD	.04911	.62675	.23299	.35414
#1	57985.	11152.	1938.6	4152.8
#2	58026.	11054.	1932.2	4132.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/18/2014 15:21:56 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**-.0002**	**-.0000**	**-.0004**	**.0004**	**-.0001**	**-.0001**	**-.0003**
Stddev	.0002	.0000	.0000	.0000	.0007	.0001	.0000	.0002	.0007
%RSD	122.8	23.55	18.10	321.9	178.9	36.44	1.682	183.8	197.0
#1	-.0002	-.0001	-.0001	-.0000	.0001	.0003	-.0001	.0000	.0001
#2	-.0000	-.0001	-.0002	.0000	-.0008	.0004	-.0001	-.0003	-.0008
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0005**	**.0205**	**-.0006**	**.0221**	**.0213**	**.0197**	**.5060**	**-.0011**
Stddev	.0001	.0001	.0008	.0000	.0002	.0010	.0007	.0272	.0103
%RSD	701.1	12.91	3.873	2.264	.9160	4.877	3.712	5.385	944.1
#1	-.0001	.0005	.0211	-.0006	.0222	.0206	.0192	.4867	-.0084
#2	.0001	.0004	.0200	-.0006	.0219	.0220	.0202	.5253	.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	**.5325**	**.0022**	**-.0004**	**-.0030**	**.0000**	**.0000**	**-.0012**	**-.0038**	**.0001**
Stddev	.0242	.0050	.0225	.0022	.0001	.0001	.0016	.0004	.0002
%RSD	4.549	234.3	5755.	72.98	2557.	135.2	133.1	10.20	264.1
#1	.5154	-.0014	.0155	-.0045	-.0001	.0000	-.0001	-.0041	.0002
#2	.5497	.0057	-.0163	-.0014	.0001	.0001	-.0024	-.0035	-.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/18/2014 15:21:56 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0007**	**.0001**	**-.0008**	**.0004**	**.0003**
Stddev	.0000	.0000	.0011	.0001	.0017	.0006	.0003
%RSD	24.08	40.99	163.5	208.4	215.9	145.8	127.1
#1	-.0001	-.0001	.0001	.0002	-.0020	.0008	.0000
#2	-.0000	-.0001	-.0015	-.0000	.0004	-.0000	.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	**57470.**	**11118.**	**1934.2**	**4155.9**
Stddev	1486.	324.	6.5	21.7
%RSD	2.5857	2.9172	.33366	.52195
#1	58521.	11348.	1938.7	4171.2
#2	56420.	10889.	1929.6	4140.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/18/2014 15:33:13 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0009**	**.0009**	**.0029**	**.0015**	**.0021**	**.0031**	**.0047**
Stddev	.0001	.0001	.0000	.0002	.0000	.0003	.0001	.0002
%RSD	3.689	6.309	2.425	7.950	.7108	16.12	3.038	3.429
#1	.0038	.0009	.0009	.0027	.0015	.0024	.0032	.0046
#2	.0041	.0008	.0010	.0031	.0015	.0019	.0031	.0048
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	**.0007**	**.0015**	**.0125**	**.0035**	**.0016**	F **.0033**	**.0051**	**.0023**
Stddev	.0001	.0001	.0000	.0005	.0002	.0004	.0001	.0001
%RSD	14.16	3.917	.1978	14.23	9.571	10.90	2.574	4.556
#1	.0006	.0016	.0125	.0032	.0017	.0036	.0050	.0022
#2	.0008	.0015	.0126	.0039	.0015	.0031	.0052	.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0025		
Range						30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0972**	**1.037**	**-.0013**	**.1046**	**2.023**	**1.021**	**.0101**	**-.0002**
Stddev	.0052	.004	.0006	.0142	.010	.004	.0002	.0000
%RSD	5.365	.3887	45.69	13.63	.4770	.3503	1.932	13.51
#1	.0935	1.040	-.0009	.0945	2.030	1.024	.0103	-.0002
#2	.1009	1.034	-.0017	.1146	2.016	1.019	.0100	-.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: 6/18/2014 15:33:13 Type: QC
Method: Accutest1(v268) 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**	**-.0034**	**-.0006**	**-.0001**	**-.0001**	F **-.0016**	F **-.0001**	F **.0008**
Stddev	.0005	.0002	.0004	.0000	.0005	.0003	.0001	.0004
%RSD	156.7	6.136	74.61	42.54	898.1	15.44	88.73	47.87
#1	.0000	-.0033	-.0003	-.0000	-.0004	-.0015	-.0002	.0011
#2	-.0006	-.0036	-.0008	-.0001	.0003	-.0018	-.0000	.0005
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0007**	F **.0000**
Stddev	.0001	.0004
%RSD	16.05	2067.
#1	.0008	.0003
#2	.0006	-.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	**58822.**	**11194.**	**1934.8**	**4143.6**
Stddev	246.	31.	13.5	26.6
%RSD	.41844	.27847	.69902	.64084
#1	58648.	11172.	1944.3	4162.3
#2	58996.	11216.	1925.2	4124.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/18/2014 15:39:23 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2127**	**.0021**	**.0033**	**.0528**	**.0109**	**.0108**	**.0167**	**.0106**	**.0051**
Stddev	.0002	.0000	.0002	.0001	.0000	.0006	.0001	.0002	.0002
%RSD	.0820	1.431	6.357	.1742	.1082	5.250	.3795	1.466	4.292
#1	.2128	.0021	.0035	.0527	.0109	.0112	.0168	.0105	.0053
#2	.2125	.0022	.0032	.0528	.0109	.0104	.0167	.0107	.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0527**	**.0241**	**.0098**	**.0095**	**.0027**	F **.0147**	**.0059**	**.2091**	**5.191**
Stddev	.0003	.0000	.0003	.0002	.0003	.0014	.0002	.0135	.014
%RSD	.5690	.1155	3.408	2.067	10.63	9.361	2.851	6.473	.2751
#1	.0525	.0241	.0096	.0094	.0029	.0137	.0058	.1995	5.181
#2	.0529	.0240	.0101	.0097	.0025	.0156	.0060	.2187	5.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1117**	**5.094**	**5.004**	**5.170**	**.1086**	**.0219**	**.0581**	**.2134**	**.0110**
Stddev	.0001	.057	.013	.002	.0004	.0003	.0002	.0005	.0002
%RSD	.0993	1.117	.2647	.0292	.3425	1.324	.3899	.2375	1.766
#1	.1117	5.053	4.995	5.169	.1084	.0217	.0579	.2138	.0111
#2	.1118	5.134	5.013	5.171	.1089	.0221	.0582	.2130	.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: 6/18/2014 15:39:23 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0110**	**.0109**	**.0512**	**.0108**	**.0480**	**.0212**	**.0213**
Stddev	.0001	.0000	.0002	.0001	.0035	.0010	.0002
%RSD	.6902	.2254	.3378	.5074	7.381	4.518	.8491
#1	.0109	.0109	.0511	.0108	.0455	.0218	.0215
#2	.0110	.0108	.0513	.0108	.0505	.0205	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56645.**	**10975.**	**1891.9**	**4007.0**
Stddev	56.	12.	1.3	3.1
%RSD	.09845	.11347	.07078	.07696
#1	56685.	10984.	1891.0	4009.2
#2	56606.	10966.	1892.9	4004.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/18/2014 15:45:33 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**-.0001**	**.0006**	**.0007**	**.0011**	**-.0054**	**-.0013**	**-.0012**	**.0048**
Stddev	.0001	.0000	.0001	.0002	.0003	.0007	.0001	.0000	.0002
%RSD	7.019	3.677	23.92	31.01	30.32	13.38	5.601	3.919	3.251
#1	-.0015	-.0001	.0005	.0005	.0014	-.0059	-.0013	-.0013	.0049
#2	-.0017	-.0001	.0007	.0008	.0009	-.0049	-.0014	-.0012	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0004**	**-.0042**	**.0001**	**.0022**	**.0005**	**.0056**	**511.0**	**382.2**
Stddev	.0003	.0004	.0018	.0005	.0001	.0007	.0044	1.1	.7
%RSD	30.01	89.09	43.05	594.5	2.606	161.2	77.85	.2064	.1763
#1	.0008	.0007	-.0054	-.0003	.0023	.0010	.0025	511.7	382.7
#2	.0012	.0002	-.0029	.0004	.0022	-.0001	.0087	510.2	381.7
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	**186.3**	**517.4**	**.2075**	**-.0108**	**-.0007**	**-.0014**	**.0016**	**-.0084**	**-.0021**
Stddev	.2	.1	.0036	.0109	.0003	.0004	.0017	.0008	.0000
%RSD	.1115	.0279	1.711	100.6	41.97	31.33	107.1	9.413	2.154
#1	186.4	517.5	.2100	-.0031	-.0005	-.0011	.0027	-.0090	-.0021
#2	186.1	517.3	.2050	-.0185	-.0009	-.0017	.0004	-.0078	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/18/2014 15:45:33 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0003**	**.0047**	**.0002**	**-.0368**	**-.0135**	**.0046**
Stddev	.0001	.0001	.0023	.0001	.0005	.0006	.0009
%RSD	2.263	21.66	49.77	35.29	1.434	4.179	19.77
#1	-.0046	.0004	.0030	.0002	-.0372	-.0131	.0052
#2	-.0047	.0003	.0063	.0003	-.0364	-.0139	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**49842.**	**10454.**	**1670.6**	**3212.8**
Stddev	151.	2.	2.4	2.9
%RSD	.30223	.02225	.14149	.09008
#1	49948.	10452.	1668.9	3210.8
#2	49735.	10456.	1672.3	3214.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/18/2014 15:51:39 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4934**	**.4838**	**1.018**	**.4836**	**.4873**	**.4992**	**.4806**	**.9629**	**.9789**
Stddev	.0016	.0002	.023	.0109	.0142	.0176	.0179	.0224	.0274
%RSD	.3149	.0486	2.245	2.248	2.907	3.522	3.728	2.328	2.803
#1	.4923	.4840	1.002	.4759	.4973	.5116	.4933	.9471	.9983
#2	.4945	.4836	1.035	.4913	.4773	.4867	.4680	.9788	.9595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4546**	**.9510**	**1.020**	**.9593**	**.9617**	**.9877**	**1.032**	**502.3**	**378.7**
Stddev	.0164	.0222	.027	.0212	.0224	.0211	.030	1.6	.2
%RSD	3.602	2.333	2.627	2.210	2.326	2.133	2.877	.3176	.0510
#1	.4662	.9353	1.001	.9443	.9458	.9728	1.011	501.2	378.6
#2	.4430	.9667	1.039	.9743	.9775	1.003	1.053	503.4	378.8
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	**188.6**	**513.4**	**.1935**	**-.0126**	**.0025**	**.4941**	**.5285**	**-.0034**	**-.0030**
Stddev	.2	.3	.0051	.0011	.0019	.0108	.0199	.0022	.0016
%RSD	.0923	.0643	2.641	8.685	76.04	2.177	3.765	65.95	55.83
#1	188.5	513.1	.1899	-.0134	.0038	.4865	.5425	-.0049	-.0041
#2	188.7	513.6	.1972	-.0118	.0012	.5017	.5144	-.0018	-.0018
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/18/2014 15:51:39 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0047**	**.0010**	**.5070**	**.5064**	**.4583**	**.4896**	**.5061**
Stddev	.0001	.0004	.0121	.0188	.0192	.0119	.0010
%RSD	1.387	45.41	2.381	3.709	4.182	2.426	.1945
#1	-.0048	.0013	.4985	.5197	.4448	.4812	.5054
#2	-.0047	.0007	.5156	.4932	.4719	.4980	.5068
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**49873.**	**10462.**	**1654.4**	**3191.8**
Stddev	1564.	14.	33.4	60.5
%RSD	3.1350	.12955	2.0179	1.8959
#1	48767.	10453.	1678.0	3234.6
#2	50978.	10472.	1630.8	3149.0

Zoom In Zoom Out

Sample Name: FeConf Acquired: 6/18/2014 15:57:36 Type: Unk
Method: Accutest1(v268) Mode: CONC 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**	**-.0005**	**.0021**	**.0002**	**-.0026**	**.0003**	**.0074**
Stddev	.0001	.0001	.0001	.0000	.0001	.0001	.0001	.0000	.0006
%RSD	109.5	226.9	22.69	3.231	5.792	47.13	4.274	7.997	7.584
#1	-.0000	.0000	-.0004	-.0006	.0021	.0003	-.0027	.0003	.0070
#2	-.0002	-.0001	-.0003	-.0005	.0020	.0001	-.0025	.0003	.0078

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0003**	**-.0015**	**.0018**	**.0009**	**.0021**	**-.0017**	**.0123**	**.0083**
Stddev	.0000	.0001	.0004	.0005	.0015	.0000	.0005	.0077	.0008
%RSD	1.662	54.84	27.26	25.57	172.9	1.413	27.80	63.05	10.08
#1	.0016	.0004	-.0012	.0022	.0019	.0021	-.0014	.0068	.0077
#2	.0016	.0002	-.0018	.0015	-.0002	.0021	-.0021	.0177	.0089

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**202.1**	**.0004**	**.0440**	**.0008**	**-.0029**	**.0005**	**.0052**	**.0097**	**-.0013**
Stddev	.6	.0027	.0194	.0036	.0007	.0003	.0008	.0005	.0005
%RSD	.3216	636.3	44.12	431.3	24.54	55.23	15.26	5.621	39.79
#1	202.5	-.0015	.0577	.0034	-.0034	.0007	.0057	.0094	-.0009
#2	201.6	.0024	.0303	-.0017	-.0024	.0003	.0046	.0101	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0002**	**.0016**	**.0013**	**-.0066**	**.0009**	**-.0004**
Stddev	.0000	.0002	.0001	.0000	.0022	.0005	.0002
%RSD	97.39	114.3	3.851	2.257	32.70	52.53	41.15
#1	-.0000	-.0000	.0017	.0013	-.0082	.0013	-.0003
#2	-.0001	-.0004	.0016	.0013	-.0051	.0006	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57678.**	**11077.**	**1911.6**	**4110.7**
Stddev	109.	73.	17.1	35.2
%RSD	.18854	.65771	.89350	.85742
#1	57601.	11026.	1923.7	4135.6
#2	57755.	11129.	1899.6	4085.8

Zoom In Zoom Out

Sample Name: CrConf Acquired: 6/18/2014 16:03:47 Type: Unk
Method: Accutest1(v268) Mode: CONC 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**	**.0003**	**-.0007**	**12.24**	**.0002**	**.0002**	**-.0003**	**.0001**
Stddev	.0002	.0001	.0001	.0000	.00	.0002	.0000	.0000	.0000
%RSD	56.53	82.72	28.54	1.345	.0392	80.72	4.001	15.57	51.82
#1	.0006	-.0000	.0002	-.0007	12.24	.0001	.0002	-.0002	.0001
#2	.0003	-.0002	.0003	-.0007	12.23	.0003	.0002	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0051**	**.0009**	**-.0012**	**-.0022**	**.0014**	**-.0016**	**.0060**	**.0039**	**.0439**
Stddev	.0002	.0000	.0003	.0001	.0001	.0019	.0024	.0075	.0044
%RSD	4.768	4.880	21.29	6.457	9.736	120.8	39.39	190.1	10.08
#1	.0053	.0010	-.0010	-.0023	.0015	-.0002	.0044	-.0014	.0408
#2	.0050	.0009	-.0014	-.0021	.0013	-.0030	.0077	.0092	.0470

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0170**	**-.0249**	**-.0117**	**.0073**	**.0007**	**.0006**	**.0005**	**.0094**	**-.0004**
Stddev	.0029	.0295	.0130	.0064	.0004	.0001	.0003	.0003	.0002
%RSD	16.85	118.1	110.5	87.63	53.54	17.39	57.56	2.811	44.84
#1	.0149	-.0458	-.0026	.0118	.0004	.0006	.0003	.0092	-.0005
#2	.0190	-.0041	-.0209	.0028	.0009	.0005	.0007	.0096	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**.0024**	**-.0023**	**.0029**	**-.0045**	**-.0001**
Stddev	.0000	.0001	.0013	.0002	.0021	.0015	.0002
%RSD	35.29	25.72	55.97	9.756	72.56	32.40	213.5
#1	.0001	.0006	.0033	-.0022	.0014	-.0055	.0000
#2	.0001	.0004	.0014	-.0025	.0044	-.0035	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58730.**	**11180.**	**1912.5**	**4181.3**
Stddev	3.	68.	24.2	53.3
%RSD	.00475	.61231	1.2634	1.2738
#1	58732.	11131.	1929.5	4219.0
#2	58728.	11228.	1895.4	4143.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 16:09:57 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**2.024**	**2.085**	**2.077**	**2.126**	**2.049**	**2.140**	**2.115**	**.2521**
Stddev	.021	.015	.002	.003	.010	.004	.014	.001	.0005
%RSD	1.045	.7600	.0720	.1623	.4798	.1861	.6354	.0415	.2032
#1	2.036	2.035	2.086	2.079	2.119	2.047	2.130	2.116	.2525
#2	2.006	2.013	2.084	2.074	2.133	2.052	2.149	2.115	.2518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.125**	**2.127**	**2.067**	**2.157**	**2.125**	**2.070**	**2.083**	**39.68**	**40.33**
Stddev	.010	.006	.010	.006	.007	.005	.006	.33	.26
%RSD	.4910	.2747	.4718	.2797	.3449	.2300	.2888	.8338	.6546
#1	2.117	2.131	2.074	2.153	2.130	2.073	2.087	39.92	40.52
#2	2.132	2.123	2.060	2.162	2.119	2.066	2.078	39.45	40.14
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	**40.45**	**39.49**	**39.44**	**40.07**	**2.112**	**2.120**	**2.073**	**5.238**	**2.143**
Stddev	.21	.17	.22	.33	.001	.001	.002	.005	.003
%RSD	.5085	.4300	.5604	.8227	.0515	.0470	.0801	.0931	.1342
#1	40.59	39.61	39.59	40.30	2.113	2.121	2.071	5.241	2.145
#2	40.30	39.37	39.28	39.84	2.112	2.120	2.074	5.234	2.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 16:09:57 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.109**	**2.070**	**2.097**	**2.059**	**2.082**	**1.971**
Stddev	.017	.004	.007	.008	.005	.001	.019
%RSD	.8171	.1705	.3493	.3618	.2240	.0395	.9717
#1	2.044	2.106	2.065	2.092	2.062	2.082	1.984
#2	2.020	2.111	2.075	2.103	2.056	2.081	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**53584.**	**11006.**	**1812.1**	**3649.2**
Stddev	98.	68.	1.2	4.3
%RSD	.18248	.61882	.06573	.11743
#1	53653.	10958.	1812.9	3652.2
#2	53515.	11054.	1811.2	3646.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 16:15:51 Type: QC
Method: Accutest1(v268) 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**	**.0002**	**.0002**	**.0002**	**.0002**	**-.0007**
Stddev	.0000	.0001	.0001	.0001	.0003	.0002	.0001	.0001	.0001
%RSD	29.33	756.2	239.0	138.2	172.0	91.60	34.80	83.75	12.69
#1	-.0001	.0000	.0002	.0002	.0004	.0001	.0001	.0001	-.0008
#2	-.0001	-.0000	-.0000	.0000	-.0000	.0004	.0002	.0002	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0001**	**.0006**	**-.0010**	**.0008**	**.0001**	**.0000**	**.0034**	**-.0042**
Stddev	.0004	.0000	.0003	.0001	.0004	.0018	.0002	.0004	.0035
%RSD	1106.	1.368	58.25	11.17	55.31	1997.	352.8	12.81	85.20
#1	-.0003	-.0001	.0004	-.0009	.0005	-.0012	.0002	.0037	-.0067
#2	.0003	-.0001	.0008	-.0011	.0011	.0014	-.0001	.0031	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**-.0030**	**.0149**	**.0101**	**.0008**	**.0006**	**-.0005**	**.0011**	**.0004**
Stddev	.0022	.0163	.0113	.0066	.0005	.0001	.0007	.0001	.0002
%RSD	195.9	549.4	75.82	65.46	62.53	20.14	153.7	9.172	41.17
#1	-.0004	.0086	.0228	.0055	.0005	.0005	-.0010	.0011	.0005
#2	.0027	-.0145	.0069	.0148	.0012	.0007	.0000	.0010	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 16:15:51 Type: QC
Method: Accutest1(v268) 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**	**-.0004**	**.0104**	**.0008**	**-.0035**	**.0004**	**-.0003**
Stddev	.0000	.0002	.0025	.0000	.0002	.0008	.0002
%RSD	13.15	48.08	23.52	5.189	7.180	173.9	66.83
#1	.0001	-.0005	.0122	.0008	-.0036	-.0001	-.0002
#2	.0001	-.0003	.0087	.0007	-.0033	.0010	-.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	**59134.**	**10840.**	**1958.5**	**4203.6**
Stddev	219.	367.	3.1	4.9
%RSD	.37073	3.3857	.15920	.11550
#1	59289.	11100.	1956.3	4200.2
#2	58979.	10581.	1960.7	4207.0

Zoom In Zoom Out

Sample Name: mp80079-mb1conf Acquired: 6/18/2014 16:22:01 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0015**	**-.0001**	**-.0001**	**.0001**	**.0008**	**.0002**	**.0012**	**.0003**	**-.0003**
Stddev	.0002	.0000	.0002	.0001	.0002	.0003	.0000	.0000	.0003
%RSD	11.35	43.20	216.7	51.54	22.33	168.5	3.776	9.344	133.5
#1	.0014	-.0001	.0000	.0001	.0009	-.0000	.0012	.0004	-.0000
#2	.0016	-.0001	-.0002	.0001	.0007	.0003	.0012	.0003	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0065**	**.0003**	**-.0006**	**.0010**	**.0009**	**.0002**	**.0282**	**.0490**
Stddev	.0001	.0002	.0000	.0002	.0000	.0008	.0003	.0080	.0013
%RSD	45.80	3.471	5.199	36.98	3.704	82.06	114.6	28.37	2.554
#1	.0001	.0066	.0003	-.0008	.0010	.0004	.0000	.0226	.0499
#2	.0002	.0063	.0003	-.0004	.0010	.0015	.0004	.0339	.0481

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0726**	**-.0124**	**.0207**	**.0200**	**.0007**	**.0002**	**-.0004**	**.0165**	**.0193**
Stddev	.0006	.0144	.0131	.0022	.0002	.0001	.0003	.0008	.0016
%RSD	.7775	115.6	63.25	11.10	20.68	57.42	76.17	4.692	8.152
#1	.0730	-.0226	.0299	.0216	.0006	.0001	-.0002	.0171	.0182
#2	.0722	-.0023	.0114	.0184	.0009	.0002	-.0006	.0160	.0204

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0013**	**.0027**	**.0002**	**.0039**	**-.0002**	**.0003**
Stddev	.0000	.0005	.0003	.0001	.0004	.0001	.0001
%RSD	21.15	34.16	10.92	47.08	10.70	54.43	38.67
#1	.0002	.0010	.0025	.0002	.0042	-.0002	.0002
#2	.0001	.0017	.0029	.0001	.0036	-.0001	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58843.**	**11283.**	**1949.4**	**4203.4**
Stddev	47.	48.	8.4	16.4
%RSD	.08008	.42338	.43318	.39065
#1	58810.	11249.	1943.5	4191.8
#2	58877.	11317.	1955.4	4215.0

Zoom In Zoom Out

Sample Name: jb68720-17 2 Acquired: 6/18/2014 16:28:09 Type: Unk
Method: Accutest1(v268) 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	**1.394**	**.0069**	**.0413**	**.1029**	**.3834**	**.5528**	**4.050**	**.5452**	**.0280**
Stddev	.001	.0001	.0011	.0020	.0019	.0005	.019	.0021	.0018
%RSD	.0527	1.920	2.724	1.976	.4969	.0835	.4591	.3924	6.498
#1	1.395	.0068	.0406	.1015	.3848	.5525	4.037	.5437	.0293
#2	1.394	.0070	.0421	.1044	.3821	.5531	4.063	.5468	.0267

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4297**	**5.185**	**.0989**	**.0012**	**2.530**	**.0115**	**.0282**	**155.1**	**71.80**
Stddev	.0009	.030	.0026	.0010	.012	.0014	.0013	.0	.09
%RSD	.2086	.5830	2.615	88.00	.4602	12.24	4.535	.0005	.1226
#1	.4290	5.164	.1007	.0005	2.522	.0125	.0291	155.1	71.73
#2	.4303	5.207	.0970	.0019	2.538	.0105	.0273	155.1	71.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**560.6**	**21.86**	**6.291**	**1.691**	**.1305**	**.0248**	**.0137**	**3.993**	**.2104**
Stddev	1.0	.14	.032	.010	.0001	.0013	.0015	.032	.0024
%RSD	.1809	.6543	.5100	.5841	.0513	5.372	11.15	.7926	1.137
#1	559.9	21.76	6.268	1.684	.1304	.0239	.0147	3.971	.2087
#2	561.3	21.96	6.313	1.698	.1305	.0258	.0126	4.015	.2121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4407**	**2.754**	**.0248**	**.0493**	**24.07**	**.0035**	**.1688**
Stddev	.0000	.001	.0006	.0002	.14	.0010	.0005
%RSD	.0105	.0508	2.219	.4132	.5840	29.85	.2883
#1	.4408	2.754	.0252	.0495	23.97	.0028	.1691
#2	.4407	2.753	.0244	.0492	24.17	.0042	.1684

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57939.**	**11469.**	**1917.6**	**3837.6**
Stddev	67.	22.	10.6	25.9
%RSD	.11635	.19546	.55519	.67518
#1	57987.	11485.	1925.1	3855.9
#2	57891.	11453.	1910.1	3819.3

Zoom In Zoom Out

Sample Name: mp80106-mb1 2 Acquired: 6/18/2014 16:34:11 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0037**	**-.0001**	**.0001**	**.0002**	**.0001**	**.0050**	**.0017**	**.0018**	**.0002**
Stddev	.0001	.0000	.0001	.0000	.0001	.0006	.0002	.0003	.0002
%RSD	2.109	35.93	72.27	6.897	51.54	11.22	9.219	16.28	106.4
#1	.0037	-.0001	.0001	.0002	.0002	.0046	.0016	.0021	.0000
#2	.0038	-.0001	.0002	.0002	.0001	.0054	.0018	.0016	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0219**	**.0013**	**-.0006**	**.0014**	**.0051**	**-.0021**	**.0199**	**.0833**
Stddev	.0002	.0000	.0002	.0010	.0007	.0027	.0003	.0043	.0038
%RSD	45.72	.2256	12.46	151.7	48.77	53.14	14.06	21.45	4.555
#1	-.0002	.0219	.0012	.0000	.0009	.0071	-.0019	.0229	.0806
#2	-.0005	.0220	.0014	-.0013	.0018	.0032	-.0023	.0169	.0860

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0221**	**.0205**	**-1.290**	**952.1**	**.0046**	**.0002**	**-.0024**	**.2696**	**.0018**
Stddev	.0022	.0025	.002	4.7	.0004	.0002	.0001	.0003	.0003
%RSD	10.10	12.32	.1395	.4972	7.789	98.58	5.203	.0991	16.40
#1	.0205	.0187	-1.291	948.8	.0049	.0003	-.0023	.2698	.0020
#2	.0237	.0223	-1.289	955.5	.0044	.0000	-.0025	.2694	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0056**	**-.0001**	**-.0008**	**-.0018**	**.0303**	**.0008**	**.0063**
Stddev	.0000	.0002	.0008	.0001	.0011	.0002	.0001
%RSD	.7299	460.5	106.6	6.677	3.493	27.72	.8366
#1	.0057	.0001	-.0002	-.0019	.0295	.0007	.0062
#2	.0056	-.0002	-.0014	-.0018	.0310	.0010	.0063

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**45376.**	**10701.**	**1626.0**	**3095.5**
Stddev	3429.	58.	2.1	.2
%RSD	7.5568	.53882	.13191	.00705
#1	47801.	10742.	1624.5	3095.3
#2	42952.	10660.	1627.5	3095.6

Zoom In Zoom Out

Sample Name: mp80106-b1 Acquired: 6/18/2014 16:40:25 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.168**	**.0538**	**.0570**	**.5547**	**.2229**	**.2753**	**.5543**	**.5733**	**.0604**
Stddev	.004	.0001	.0000	.0015	.0015	.0004	.0015	.0019	.0000
%RSD	.1842	.1600	.0547	.2622	.6613	.1380	.2641	.3356	.0235
#1	2.166	.0538	.0570	.5536	.2239	.2751	.5553	.5719	.0604
#2	2.171	.0539	.0569	.5557	.2218	.2756	.5533	.5746	.0604

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5194**	**.5808**	**2.410**	**2.169**	**2.273**	**2.382**	**.5698**	**2.113**	**.0027**
Stddev	.0007	.0001	.008	.000	.000	.011	.0002	.005	.0029
%RSD	.1340	.0134	.3393	.0187	.0068	.4592	.0341	.2622	109.9
#1	.5189	.5807	2.404	2.169	2.273	2.374	.5699	2.109	.0047
#2	.5198	.5808	2.416	2.169	2.273	2.390	.5696	2.117	.0006

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.118**	**.0024**	**-1.146**	**936.4**	**.0041**	**.0001**	**-.0006**	**.2115**	**.0022**
Stddev	.000	.0156	.044	15.2	.0007	.0001	.0003	.0017	.0004
%RSD	.0205	661.6	3.868	1.626	17.39	68.53	48.90	.8225	16.38
#1	1.118	-.0087	-1.178	947.1	.0036	.0001	-.0008	.2103	.0019
#2	1.118	.0134	-1.115	925.6	.0046	.0002	-.0004	.2128	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0056**	**-.0001**	**.0121**	**-.0015**	**.0302**	**.0008**	**.0076**
Stddev	.0001	.0005	.0003	.0000	.0013	.0001	.0004
%RSD	.9521	398.2	2.475	.0203	4.231	16.12	5.682
#1	.0057	.0002	.0123	-.0015	.0311	.0009	.0073
#2	.0056	-.0004	.0119	-.0015	.0293	.0007	.0079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47553.**	**10608.**	**1619.2**	**3074.7**
Stddev	7.	63.	2.2	5.7
%RSD	.01577	.59535	.13723	.18449
#1	47559.	10652.	1620.7	3078.7
#2	47548.	10563.	1617.6	3070.7

Zoom In Zoom Out

Sample Name: mp80106-s1 Acquired: 6/18/2014 16:46:31 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.842**	**.0529**	**.0640**	**.5904**	**.2104**	**.3040**	**2.570**	**.6285**	**.0776**
Stddev	.006	.0002	.0004	.0031	.0056	.0099	.065	.0038	.0011
%RSD	.2208	.4561	.5738	.5322	2.642	3.247	2.536	.5967	1.428
#1	2.838	.0527	.0638	.5881	.2144	.3110	2.616	.6259	.0783
#2	2.846	.0531	.0643	.5926	.2065	.2970	2.524	.6312	.0768

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4954**	**9.165**	**2.342**	**2.095**	**2.404**	**2.317**	**.5635**	**2.412**	**148.1**
Stddev	.0129	.068	.015	.018	.013	.009	.0044	.004	1.2
%RSD	2.608	.7425	.6178	.8618	.5361	.4084	.7730	.1528	.7815
#1	.5046	9.117	2.332	2.082	2.395	2.310	.5604	2.410	147.3
#2	.4863	9.213	2.352	2.107	2.413	2.323	.5666	2.415	148.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.643**	**10.87**	**9.491**	**894.3**	**.3781**	**.0002**	**.0069**	**9.243**	**-.0006**
Stddev	.020	.14	.045	2.0	.0026	.0001	.0002	.064	.0001
%RSD	.5427	1.258	.4743	.2276	.6779	59.86	2.324	.6906	10.45
#1	3.629	10.77	9.460	895.8	.3763	.0003	.0068	9.198	-.0007
#2	3.657	10.96	9.523	892.9	.3800	.0001	.0070	9.288	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4214**	**.0022**	**.0465**	**-.0009**	**13.57**	**-.0001**	**.0182**
Stddev	.0006	.0008	.0013	.0004	.09	.0015	.0007
%RSD	.1363	35.80	2.714	40.73	.6767	1540.	3.685
#1	.4210	.0017	.0474	-.0012	13.51	.0010	.0187
#2	.4218	.0028	.0456	-.0007	13.64	-.0011	.0177

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48555.**	**10520.**	**1600.5**	**3027.7**
Stddev	1210.	71.	10.7	16.9
%RSD	2.4929	.67218	.66707	.55902
#1	47699.	10570.	1608.1	3039.7
#2	49411.	10470.	1593.0	3015.7

Zoom In Zoom Out

Sample Name: mp80106-s2 Acquired: 6/18/2014 16:52:34 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.001**	**.0558**	**.0644**	**.5904**	**.2139**	**.3104**	**2.613**	**.6276**	**.0797**
Stddev	.216	.0040	.0009	.0037	.0025	.0013	.003	.0028	.0002
%RSD	7.188	7.236	1.424	.6185	1.167	.4292	.1311	.4399	.3017
#1	3.154	.0587	.0638	.5879	.2121	.3094	2.610	.6256	.0799
#2	2.849	.0530	.0651	.5930	.2157	.3113	2.615	.6295	.0795

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5081**	**9.112**	**2.343**	**2.099**	**2.402**	**2.306**	**.5613**	**2.541**	**154.9**
Stddev	.0009	.049	.001	.016	.012	.004	.0012	.191	11.6
%RSD	.1802	.5354	.0434	.7792	.4864	.1614	.2204	7.513	7.504
#1	.5088	9.077	2.342	2.088	2.394	2.304	.5604	2.676	163.1
#2	.5075	9.146	2.344	2.111	2.410	2.309	.5622	2.406	146.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.820**	**11.41**	**10.01**	**919.8**	**.3744**	**.0003**	**.0057**	**9.185**	**-.0000**
Stddev	.299	.86	.74	52.7	.0018	.0000	.0005	.026	.0004
%RSD	7.819	7.495	7.423	5.729	.4750	6.496	8.608	.2819	2290.
#1	4.031	12.02	10.53	957.0	.3731	.0003	.0061	9.167	.0003
#2	3.609	10.81	9.480	882.5	.3756	.0003	.0054	9.204	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4431**	**.0015**	**.0456**	**-.0011**	**13.55**	**.0006**	**.0182**
Stddev	.0320	.0001	.0016	.0001	.05	.0009	.0011
%RSD	7.219	5.969	3.605	13.08	.3926	136.7	6.203
#1	.4657	.0015	.0444	-.0010	13.51	.0000	.0190
#2	.4205	.0014	.0467	-.0012	13.59	.0012	.0174

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47745.**	**10143.**	**1604.8**	**3036.6**
Stddev	78.	667.	2.6	6.0
%RSD	.16282	6.5777	.16400	.19649
#1	47800.	9670.8	1606.6	3040.8
#2	47690.	10614.	1602.9	3032.3

Zoom In Zoom Out

Sample Name: jb68865-1a Acquired: 6/18/2014 16:58:37 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (106)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7435**	**.0005**	**.0080**	**.0539**	**.0021**	**.0431**	**2.130**	**.0787**	**.0185**
Stddev	.0016	.0000	.0004	.0007	.0007	.0012	.068	.0008	.0003
%RSD	.2197	4.508	4.746	1.241	34.86	2.796	3.207	.9897	1.814
#1	.7424	.0005	.0078	.0534	.0027	.0439	2.178	.0781	.0183
#2	.7447	.0005	.0083	.0544	.0016	.0422	2.082	.0792	.0187

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**8.603**	**.0033**	**.0017**	**.1931**	**.0057**	**.0007**	**.3276**	**146.3**
Stddev	.0004	.060	.0006	.0002	.0001	.0003	.0009	.0030	1.0
%RSD	36.12	.7008	18.03	9.444	.0643	4.474	122.9	.9082	.7087
#1	.0012	8.560	.0029	.0016	.1931	.0059	.0013	.3298	147.0
#2	.0007	8.645	.0038	.0018	.1932	.0055	.0001	.3255	145.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.532**	**10.80**	**9.498**	**920.5**	**.3613**	**-.0000**	**.0066**	**7.838**	**-.0010**
Stddev	.011	.04	.059	13.8	.0012	.0001	.0002	.149	.0008
%RSD	.4488	.3435	.6215	1.499	.3375	776.3	2.814	1.896	79.28
#1	2.540	10.82	9.457	930.2	.3604	.0001	.0064	7.733	-.0015
#2	2.524	10.77	9.540	910.7	.3622	-.0001	.0067	7.943	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4147**	**.0018**	**.0309**	**-.0013**	**13.93**	**.0011**	**.0121**
Stddev	.0000	.0006	.0011	.0002	.08	.0001	.0004
%RSD	.0023	31.42	3.537	13.31	.6076	4.856	3.153
#1	.4147	.0022	.0301	-.0015	13.87	.0011	.0124
#2	.4147	.0014	.0317	-.0012	13.99	.0010	.0118

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47503.**	**10696.**	**1625.8**	**3054.9**
Stddev	1143.	55.	8.3	18.5
%RSD	2.4057	.51128	.51225	.60424
#1	46695.	10657.	1631.7	3067.9
#2	48311.	10734.	1619.9	3041.8

Zoom In Zoom Out

Sample Name: mp80106-sd1 Acquired: 6/18/2014 17:04:48 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 865-1a

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7544**	**-.0000**	**.0067**	**.0536**	**.0017**	**.0434**	**2.149**	**.0786**	**.0194**
Stddev	.0040	.0002	.0010	.0007	.0002	.0012	.002	.0009	.0007
%RSD	.5300	2150.	14.33	1.279	12.10	2.797	.0709	1.101	3.393
#1	.7572	-.0001	.0060	.0531	.0016	.0425	2.148	.0780	.0190
#2	.7515	.0001	.0073	.0541	.0019	.0442	2.150	.0792	.0199

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**9.063**	**.0039**	**.0028**	**.2007**	**.0001**	**-.0074**	**.3174**	**152.5**
Stddev	.0008	.079	.0026	.0017	.0029	.0148	.0002	.0246	.3
%RSD	256.1	.8674	66.04	61.79	1.427	12410.	2.961	7.739	.2293
#1	-.0009	9.007	.0057	.0016	.1986	-.0103	-.0072	.3348	152.2
#2	.0003	9.118	.0021	.0040	.2027	.0106	-.0076	.3000	152.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.626**	**11.10**	**8.840**	**1068.**	**.3712**	**-.0016**	**.0005**	**5.948**	**-.0040**
Stddev	.010	.15	.174	10.	.0041	.0007	.0012	.178	.0008
%RSD	.3695	1.380	1.971	.9233	1.102	40.29	257.4	2.998	20.43
#1	2.620	11.00	8.963	1061.	.3683	-.0012	.0013	6.074	-.0034
#2	2.633	11.21	8.717	1075.	.3741	-.0021	-.0004	5.822	-.0046

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4230**	**.0025**	**.0098**	**-.0017**	**13.07**	**.0002**	**.0206**
Stddev	.0012	.0013	.0021	.0001	.09	.0024	.0034
%RSD	.2842	51.80	21.96	7.844	.6873	1044.	16.47
#1	.4238	.0016	.0082	-.0016	13.01	.0019	.0182
#2	.4221	.0034	.0113	-.0018	13.13	-.0015	.0230

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**52524.**	**10735.**	**1773.4**	**3509.3**
Stddev	71.	9.	11.1	21.1
%RSD	.13433	.08019	.62536	.60118
#1	52574.	10741.	1781.2	3524.2
#2	52475.	10729.	1765.5	3494.4

Zoom In Zoom Out

Sample Name: jb69215-90ab Acquired: 6/18/2014 17:10:58 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3351**	**.0004**	**.0008**	**.0025**	**.0018**	**.3159**	**.2386**	**.0063**	**.0011**
Stddev	.0014	.0001	.0000	.0003	.0008	.0001	.0001	.0004	.0001
%RSD	.4102	17.30	5.693	13.84	44.95	.0352	.0341	6.631	7.699
#1	.3361	.0004	.0008	.0023	.0012	.3160	.2385	.0060	.0011
#2	.3341	.0003	.0007	.0028	.0024	.3158	.2387	.0066	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.2967**	**.0020**	**-.0006**	**.0848**	**.0019**	**-.0010**	**.3155**	**12.66**
Stddev	.0001	.0019	.0001	.0004	.0003	.0002	.0010	.0003	.02
%RSD	26.92	.6537	4.997	77.39	.3188	9.539	101.4	.1034	.1348
#1	-.0005	.2953	.0019	-.0009	.0846	.0017	-.0017	.3152	12.64
#2	-.0004	.2980	.0020	-.0002	.0850	.0020	-.0003	.3157	12.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0168**	**2.664**	**.3671**	**921.3**	**.4557**	**.0003**	**-.0007**	**1.221**	**.0012**
Stddev	.0016	.001	.0155	8.8	.0011	.0002	.0007	.008	.0002
%RSD	9.437	.0437	4.231	.9596	.2499	67.93	103.9	.6283	15.10
#1	.0179	2.665	.3561	927.5	.4549	.0002	-.0002	1.215	.0011
#2	.0157	2.664	.3781	915.0	.4565	.0005	-.0011	1.226	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0733**	**.0000**	**-.0008**	**-.0009**	**4.301**	**-.0001**	**.0006**
Stddev	.0002	.0003	.0010	.0000	.036	.0003	.0005
%RSD	.2665	781.9	126.2	.9891	.8493	286.1	80.55
#1	.0735	-.0002	-.0015	-.0010	4.275	-.0004	.0010
#2	.0732	.0002	-.0001	-.0009	4.326	.0001	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48152.**	**10602.**	**1641.6**	**3103.9**
Stddev	8.	11.	5.0	6.4
%RSD	.01590	.10203	.30197	.20673
#1	48147.	10609.	1645.1	3108.5
#2	48158.	10594.	1638.1	3099.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 17:17:09 Type: QC
Method: Accutest1(v268) 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	**2.094**	**2.088**	**2.100**	**2.087**	**2.109**	**2.043**	**2.119**	**2.126**	**.2522**
Stddev	.009	.007	.022	.015	.001	.000	.000	.020	.0007
%RSD	.4152	.3190	1.041	.7290	.0300	.0196	.0068	.9372	.2933
#1	2.088	2.083	2.084	2.076	2.109	2.043	2.119	2.112	.2516
#2	2.100	2.093	2.115	2.097	2.110	2.044	2.119	2.141	.2527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.100**	**2.126**	**2.089**	**2.161**	**2.132**	**2.100**	**2.102**	**40.97**	**41.14**
Stddev	.004	.022	.027	.020	.025	.018	.022	.12	.07
%RSD	.2135	1.055	1.284	.9456	1.166	.8780	1.057	.2945	.1680
#1	2.097	2.110	2.070	2.147	2.114	2.087	2.086	40.88	41.09
#2	2.103	2.142	2.108	2.176	2.150	2.113	2.118	41.05	41.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.93**	**40.01**	**40.54**	**39.19**	**2.134**	**2.132**	**2.070**	**5.304**	**2.156**
Stddev	.12	.02	.07	.13	.020	.020	.002	.051	.027
%RSD	.2820	.0382	.1820	.3373	.9491	.9583	.0762	.9635	1.246
#1	40.85	40.00	40.49	39.09	2.120	2.117	2.069	5.268	2.137
#2	41.02	40.02	40.59	39.28	2.149	2.146	2.071	5.340	2.175
Check ?	Chk Pass	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: 6/18/2014 17:17:09 Type: QC
Method: Accutest1(v268) 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	**2.103**	**2.090**	**2.083**	**2.082**	**2.079**	**2.100**	**2.046**
Stddev	.009	.002	.025	.004	.016	.024	.004
%RSD	.4116	.0694	1.194	.1843	.7550	1.123	.1972
#1	2.097	2.089	2.066	2.080	2.068	2.083	2.043
#2	2.109	2.091	2.101	2.085	2.090	2.117	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**53772.**	**10709.**	**1791.1**	**3612.4**
Stddev	63.	3.	14.4	24.8
%RSD	.11651	.02509	.80584	.68653
#1	53816.	10707.	1801.3	3630.0
#2	53728.	10711.	1780.9	3594.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 17:23:03 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0001**	**-.0001**	**.0001**	**-.0006**	**-.0000**	**-.0001**	**-.0000**	**-.0002**
Stddev	.0000	.0000	.0000	.0002	.0003	.0002	.0001	.0002	.0004
%RSD	36.69	63.46	25.40	340.9	53.50	600.8	133.2	3039.	219.9
#1	-.0000	-.0000	-.0001	-.0001	-.0004	-.0002	-.0001	-.0001	.0001
#2	-.0000	-.0001	-.0001	.0002	-.0008	.0001	-.0000	.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0019**	**.0004**	**-.0005**	**.0006**	**.0009**	**-.0009**	**-.0044**	**.0001**
Stddev	.0001	.0000	.0001	.0006	.0008	.0009	.0002	.0005	.0011
%RSD	89.01	1.723	23.06	112.0	123.2	100.1	22.77	11.65	1415.
#1	-.0002	.0019	.0004	-.0009	.0012	.0003	-.0008	-.0040	.0008
#2	-.0000	.0018	.0003	-.0001	.0001	.0015	-.0010	-.0047	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**-.0065**	**.0496**	**.1979**	**.0010**	**.0002**	**-.0004**	**.0024**	**-.0001**
Stddev	.0019	.0283	.0052	.0040	.0005	.0002	.0005	.0015	.0005
%RSD	125.0	435.4	10.42	2.023	53.77	104.7	138.0	62.68	533.6
#1	-.0029	.0135	.0533	.2008	.0014	.0000	-.0000	.0035	.0003
#2	-.0002	-.0265	.0460	.1951	.0006	.0003	-.0007	.0013	-.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: 6/18/2014 17:23:03 Type: QC
Method: Accutest1(v268) 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**	**.0091**	**.0004**	**-.0010**	**-.0002**	**.0007**
Stddev	.0000	.0002	.0018	.0003	.0022	.0001	.0009
%RSD	100.8	359.0	19.94	81.17	221.1	60.04	123.4
#1	.0000	-.0001	.0104	.0002	-.0025	-.0001	.0014
#2	.0000	.0002	.0078	.0006	.0006	-.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	**58562.**	**11137.**	**1919.4**	**4130.2**
Stddev	84.	20.	22.3	47.9
%RSD	.14270	.18155	1.1615	1.1591
#1	58503.	11152.	1935.2	4164.1
#2	58621.	11123.	1903.6	4096.4

Zoom In Zoom Out

Sample Name: jb69215-6ab Acquired: 6/18/2014 17:29:13 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1636**	**.0001**	**.0000**	**.0220**	**.0051**	**.0061**	**.0431**	**.0028**	**.0007**
Stddev	.0003	.0000	.0000	.0003	.0003	.0001	.0000	.0001	.0000
%RSD	.1731	10.52	146.3	1.299	5.849	1.392	.0822	3.723	3.316
#1	.1634	.0001	-.0000	.0218	.0053	.0061	.0431	.0027	.0007
#2	.1638	.0001	.0001	.0222	.0048	.0060	.0431	.0029	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0806**	**.0010**	**-.0014**	**.0069**	**.0026**	**-.0022**	**.1236**	**6.570**
Stddev	.0003	.0006	.0008	.0005	.0011	.0023	.0008	.0023	.003
%RSD	107.1	.7314	88.01	32.58	15.42	86.92	36.03	1.823	.0395
#1	-.0005	.0802	.0004	-.0011	.0061	.0010	-.0028	.1252	6.568
#2	-.0001	.0810	.0016	-.0017	.0076	.0043	-.0017	.1220	6.572

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**1.474**	**1.756**	**973.8**	**.4190**	**.0007**	**-.0001**	**2.050**	**.0016**
Stddev	.0019	.033	.050	2.7	.0011	.0000	.0008	.008	.0010
%RSD	28.56	2.215	2.866	.2783	.2596	7.347	588.2	.3782	62.99
#1	.0054	1.497	1.721	975.7	.4182	.0006	.0004	2.044	.0009
#2	.0081	1.451	1.792	971.8	.4197	.0007	-.0007	2.055	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0390**	**-.0002**	**.0045**	**-.0010**	**1.542**	**.0011**	**.0006**
Stddev	.0001	.0003	.0000	.0001	.010	.0005	.0011
%RSD	.2062	142.7	.3398	12.80	.6435	46.59	197.7
#1	.0390	-.0005	.0045	-.0009	1.535	.0007	-.0002
#2	.0391	.0000	.0044	-.0010	1.549	.0015	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	48201.	10630.	1643.2	3113.3
Stddev	70.	14.	7.2	15.3
%RSD	.14464	.12796	.43698	.49165
#1	48250.	10620.	1648.3	3124.1
#2	48151.	10640.	1638.1	3102.5

Zoom In Zoom Out

Sample Name: jb69215-12ab Acquired: 6/18/2014 17:35:24 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2485**	**.0001**	**.0005**	**.0049**	**.0029**	**.0060**	**.0917**	**.0057**	**.0008**
Stddev	.0009	.0000	.0001	.0001	.0001	.0002	.0019	.0002	.0002
%RSD	.3590	12.37	27.65	3.018	4.597	2.684	2.123	3.004	32.37
#1	.2492	.0001	.0006	.0048	.0030	.0059	.0931	.0058	.0006
#2	.2479	.0001	.0004	.0051	.0028	.0061	.0903	.0056	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.1217**	**.0030**	**-.0019**	**.0124**	**.0038**	**-.0020**	**.5055**	**11.95**
Stddev	.0002	.0004	.0017	.0015	.0007	.0018	.0006	.0037	.10
%RSD	15.36	.2927	57.19	78.64	5.791	46.05	28.83	.7355	.8001
#1	.0011	.1219	.0042	-.0008	.0129	.0026	-.0016	.5082	12.02
#2	.0014	.1214	.0018	-.0029	.0119	.0050	-.0024	.5029	11.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5461**	**2.189**	**3.374**	**920.8**	**.4530**	**.0006**	**.0004**	**2.365**	**.0019**
Stddev	.0013	.032	.000	11.0	.0008	.0002	.0013	.007	.0003
%RSD	.2328	1.464	.0129	1.199	.1727	34.77	289.9	.3062	14.73
#1	.5470	2.211	3.374	928.6	.4535	.0004	-.0005	2.370	.0017
#2	.5452	2.166	3.374	913.0	.4524	.0007	.0014	2.359	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1315**	**.0084**	**.0030**	**-.0011**	**1.600**	**.0011**	**.0033**
Stddev	.0006	.0005	.0001	.0002	.007	.0004	.0002
%RSD	.4419	6.280	3.887	17.62	.4484	37.80	7.133
#1	.1319	.0087	.0031	-.0012	1.605	.0008	.0031
#2	.1311	.0080	.0030	-.0010	1.595	.0014	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	48614.	10661.	1634.1	3104.1
Stddev	682.	150.	2.2	.2
%RSD	1.4033	1.4069	.13236	.00495
#1	48132.	10555.	1632.5	3104.0
#2	49096.	10767.	1635.6	3104.2

Zoom In Zoom Out

Sample Name: jb69215-18ab Acquired: 6/18/2014 17:41:36 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2729**	**.0002**	**.0006**	**.0164**	**.0043**	**.0058**	**.1992**	**.0150**	**.0001**
Stddev	.0003	.0000	.0001	.0001	.0006	.0003	.0002	.0001	.0003
%RSD	.1263	24.66	14.58	.4457	14.10	4.690	.1125	.6829	523.1
#1	.2731	.0002	.0007	.0164	.0048	.0060	.1991	.0150	.0003
#2	.2726	.0002	.0005	.0165	.0039	.0056	.1994	.0151	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.1385**	**.0029**	**.0007**	**.0067**	**.0028**	**-.0015**	**.2358**	**11.49**
Stddev	.0005	.0006	.0001	.0007	.0003	.0016	.0005	.0044	.04
%RSD	218.1	.4312	3.954	90.88	4.474	57.05	31.01	1.852	.3628
#1	.0001	.1381	.0029	.0003	.0070	.0016	-.0018	.2389	11.52
#2	-.0005	.1389	.0028	.0012	.0065	.0039	-.0012	.2327	11.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0995**	**2.957**	**.2174**	**930.0**	**.3697**	**-.0001**	**-.0005**	**1.511**	**.0016**
Stddev	.0019	.003	.0135	4.3	.0013	.0001	.0005	.006	.0002
%RSD	1.870	.0855	6.207	.4654	.3597	85.60	96.77	.4083	9.791
#1	.1008	2.958	.2079	927.0	.3687	-.0001	-.0009	1.506	.0015
#2	.0982	2.955	.2270	933.1	.3706	-.0002	-.0002	1.515	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0661**	**.0015**	**.0005**	**-.0004**	**1.530**	**.0016**	**.0010**
Stddev	.0002	.0005	.0004	.0003	.008	.0003	.0002
%RSD	.2556	33.38	80.44	74.09	.5379	20.92	17.89
#1	.0662	.0012	.0007	-.0002	1.524	.0013	.0012
#2	.0660	.0019	.0002	-.0006	1.535	.0018	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	48259.	10570.	1646.3	3116.9
Stddev	119.	6.	6.3	13.6
%RSD	.24609	.05628	.38221	.43642
#1	48343.	10566.	1650.8	3126.5
#2	48175.	10575.	1641.9	3107.3

Zoom In Zoom Out

Sample Name: jb69215-24ab Acquired: 6/18/2014 17:47:47 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2829**	**.0002**	**.0005**	**.0123**	**.0066**	**.0087**	**.2833**	**.0097**	**.0002**
Stddev	.0013	.0001	.0002	.0001	.0003	.0002	.0024	.0005	.0002
%RSD	.4645	43.00	37.24	.8456	4.516	2.862	.8350	5.448	80.20
#1	.2820	.0001	.0003	.0122	.0068	.0086	.2816	.0101	.0001
#2	.2838	.0002	.0006	.0124	.0064	.0089	.2850	.0093	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0006**	**.1320**	**.0012**	**-.0028**	**.1584**	**.0046**	**-.0025**	**.2209**	**8.209**
Stddev	.0001	.0001	.0002	.0025	.0000	.0002	.0002	.0048	.103
%RSD	23.44	.0900	18.55	88.49	.0242	3.730	6.348	2.167	1.252
#1	-.0007	.1319	.0014	-.0046	.1583	.0045	-.0024	.2243	8.136
#2	-.0005	.1320	.0011	-.0011	.1584	.0047	-.0026	.2175	8.282

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0142**	**3.103**	**3.599**	**895.4**	**.3776**	**.0001**	**-.0019**	**1.290**	**.0019**
Stddev	.0002	.035	.003	8.3	.0009	.0001	.0003	.011	.0004
%RSD	1.497	1.111	.0872	.9215	.2384	63.30	15.30	.8754	18.83
#1	.0140	3.079	3.596	889.5	.3770	.0001	-.0017	1.282	.0017
#2	.0143	3.128	3.601	901.2	.3782	.0001	-.0021	1.298	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0506**	**.0001**	**-.0000**	**-.0013**	**3.555**	**.0002**	**.0010**
Stddev	.0002	.0004	.0001	.0002	.020	.0002	.0005
%RSD	.3933	700.9	815.3	18.88	.5749	143.2	46.60
#1	.0505	-.0002	.0001	-.0011	3.540	-.0000	.0013
#2	.0507	.0004	-.0001	-.0014	3.569	.0003	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	48958.	10804.	1663.1	3142.7
Stddev	180.	94.	3.3	8.0
%RSD	.36843	.86791	.19862	.25350
#1	49085.	10870.	1665.4	3148.3
#2	48830.	10737.	1660.7	3137.0

Zoom In Zoom Out

Sample Name: jb69215-30ab Acquired: 6/18/2014 17:53:58 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1509**	**.0001**	**.0001**	**.0098**	**.0031**	**.0060**	**.0944**	**.0039**	**.0001**
Stddev	.0011	.0000	.0001	.0000	.0008	.0002	.0006	.0002	.0002
%RSD	.7308	19.60	171.7	.4619	25.06	3.552	.6248	4.457	147.4
#1	.1516	.0001	-.0000	.0098	.0036	.0058	.0940	.0038	.0003
#2	.1501	.0001	.0002	.0098	.0025	.0061	.0948	.0040	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0008**	**.1027**	**.0017**	**-.0016**	**.0091**	**.0054**	**-.0022**	**.1841**	**6.845**
Stddev	.0001	.0010	.0015	.0008	.0001	.0004	.0010	.0025	.009
%RSD	14.27	.9944	86.18	53.12	1.317	7.857	43.51	1.369	.1266
#1	-.0009	.1019	.0007	-.0022	.0091	.0051	-.0015	.1859	6.838
#2	-.0007	.1034	.0028	-.0010	.0092	.0057	-.0029	.1824	6.851

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0258**	**1.401**	**-.3416**	**946.7**	**.3413**	**.0001**	**-.0017**	**.9803**	**.0012**
Stddev	.0005	.000	.0332	13.0	.0027	.0002	.0012	.0025	.0001
%RSD	1.943	.0130	9.730	1.378	.7910	268.3	68.17	.2557	9.984
#1	.0255	1.401	-.3651	956.0	.3394	.0002	-.0026	.9785	.0011
#2	.0262	1.401	-.3181	937.5	.3432	-.0001	-.0009	.9821	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0480**	**.0005**	**-.0010**	**-.0010**	**1.640**	**.0016**	**.0003**
Stddev	.0001	.0005	.0002	.0001	.010	.0002	.0004
%RSD	.1208	109.5	19.09	13.68	.6169	13.31	114.2
#1	.0481	.0008	-.0011	-.0009	1.633	.0018	.0001
#2	.0480	.0001	-.0009	-.0011	1.647	.0015	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48367.**	**10534.**	**1656.6**	**3131.7**
Stddev	38.	34.	9.2	14.5
%RSD	.07924	.31857	.55795	.46265
#1	48394.	10511.	1663.1	3142.0
#2	48339.	10558.	1650.1	3121.5

Zoom In Zoom Out

Sample Name: jb68865-2a Acquired: 6/18/2014 18:00:10 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5708**	**.0002**	**.0029**	**.0305**	**.0053**	**.0047**	**1.967**	**.0262**	**.0086**
Stddev	.0013	.0000	.0001	.0008	.0003	.0003	.008	.0004	.0001
%RSD	.2203	2.415	4.118	2.523	5.832	6.033	.4015	1.581	1.541
#1	.5699	.0002	.0030	.0300	.0051	.0045	1.973	.0265	.0085
#2	.5716	.0002	.0028	.0311	.0055	.0049	1.961	.0259	.0087

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.2660**	**.0070**	**-.0001**	**.6390**	**.0051**	**.0033**	**.5366**	**323.8**
Stddev	.0003	.0055	.0001	.0005	.0131	.0002	.0015	.0061	.5
%RSD	25.42	2.075	.9888	335.6	2.043	4.537	44.77	1.146	.1638
#1	.0009	.2621	.0070	.0002	.6298	.0052	.0023	.5323	324.2
#2	.0012	.2699	.0071	-.0005	.6482	.0049	.0044	.5409	323.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.175**	**12.35**	**11.68**	**966.8**	**.4759**	**.0086**	**.0173**	**21.08**	**-.0012**
Stddev	.003	.08	.01	12.9	.0095	.0003	.0008	.42	.0001
%RSD	.2567	.6279	.1279	1.336	2.006	3.225	4.703	1.983	9.693
#1	1.177	12.40	11.67	957.7	.4692	.0084	.0179	20.79	-.0013
#2	1.173	12.29	11.69	975.9	.4827	.0087	.0168	21.38	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4984**	**.0100**	**.0187**	**-.0010**	**20.80**	**-.0003**	**.0168**
Stddev	.0005	.0004	.0002	.0002	.38	.0004	.0000
%RSD	.0909	4.331	.9652	17.84	1.814	153.4	.2922
#1	.4980	.0103	.0186	-.0012	20.53	.0000	.0168
#2	.4987	.0097	.0189	-.0009	21.06	-.0005	.0167

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**46861.**	**10230.**	**1546.9**	**2924.3**
Stddev	35.	18.	21.6	40.8
%RSD	.07558	.17320	1.3976	1.3936
#1	46835.	10218.	1562.2	2953.1
#2	46886.	10243.	1531.6	2895.5

Zoom In Zoom Out

Sample Name: jb69266-1a Acquired: 6/18/2014 18:06:22 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4133**	**.0009**	**.0019**	**.0196**	**.0014**	**.0500**	**2.359**	**.0428**	**.0038**
Stddev	.0009	.0000	.0001	.0001	.0005	.0004	.007	.0005	.0001
%RSD	.2089	1.838	3.054	.3906	37.30	.7976	.3116	1.125	3.643
#1	.4127	.0009	.0019	.0196	.0010	.0503	2.353	.0425	.0039
#2	.4140	.0009	.0020	.0197	.0017	.0497	2.364	.0432	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.8421**	**.0058**	**-.0009**	**.0665**	**.0034**	**-.0018**	**.2151**	**16.22**
Stddev	.0003	.0066	.0001	.0013	.0026	.0000	.0003	.0046	.04
%RSD	382.8	.7792	2.062	138.8	3.885	.3385	15.54	2.148	.2639
#1	.0001	.8375	.0057	-.0018	.0683	.0034	-.0020	.2118	16.19
#2	-.0003	.8468	.0059	-.0000	.0647	.0033	-.0016	.2184	16.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3858**	**1.326**	**.1772**	**932.6**	**.2717**	**-.0000**	**.0000**	**1.441**	**.0005**
Stddev	.0055	.015	.0073	5.3	.0010	.0001	.0002	.003	.0002
%RSD	1.416	1.095	4.137	.5716	.3822	1393.	12370.	.2079	43.14
#1	.3819	1.316	.1720	928.9	.2710	.0001	.0002	1.443	.0003
#2	.3897	1.336	.1824	936.4	.2724	-.0001	-.0002	1.439	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1084**	**.0003**	**.0008**	**-.0014**	**1.268**	**.0016**	**.0011**
Stddev	.0001	.0001	.0001	.0001	.004	.0001	.0001
%RSD	.0556	37.94	9.955	9.708	.3309	7.500	6.501
#1	.1085	.0004	.0008	-.0013	1.265	.0015	.0012
#2	.1084	.0002	.0009	-.0015	1.270	.0017	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48337.**	**10473.**	**1641.5**	**3110.8**
Stddev	37.	29.	2.1	1.5
%RSD	.07666	.28073	.12578	.04670
#1	48363.	10494.	1640.1	3111.9
#2	48311.	10452.	1643.0	3109.8

Zoom In Zoom Out

Sample Name: jb69266-3a Acquired: 6/18/2014 18:12:33 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4348**	**.0006**	**.0037**	**.0211**	**.0022**	**.4179**	**1.262**	**.0210**	**.0034**
Stddev	.0008	.0001	.0001	.0000	.0001	.0014	.003	.0003	.0001
%RSD	.1772	13.83	1.606	.0155	6.678	.3423	.2566	1.611	3.134
#1	.4343	.0007	.0036	.0211	.0023	.4189	1.264	.0212	.0035
#2	.4354	.0005	.0037	.0211	.0021	.4169	1.259	.0207	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**1.041**	**.0037**	**-.0002**	**.0961**	**.0036**	**-.0027**	**.2179**	**37.36**
Stddev	.0002	.005	.0003	.0015	.0017	.0008	.0005	.0116	.02
%RSD	288.6	.5082	7.513	924.7	1.719	22.36	17.41	5.324	.0613
#1	.0001	1.038	.0035	.0009	.0949	.0031	-.0023	.2261	37.35
#2	-.0002	1.045	.0039	-.0013	.0973	.0042	-.0030	.2097	37.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5578**	**2.092**	**.2247**	**926.5**	**.2988**	**-.0000**	**-.0002**	**1.794**	**.0003**
Stddev	.0022	.006	.0109	1.6	.0015	.0001	.0003	.009	.0006
%RSD	.4011	.2773	4.858	.1675	.4922	284.9	192.1	.4775	192.1
#1	.5562	2.088	.2170	925.5	.2978	-.0001	.0001	1.788	.0008
#2	.5594	2.096	.2324	927.6	.2999	.0000	-.0004	1.800	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2110**	**.0012**	**.0020**	**-.0013**	**1.370**	**.0009**	**.0055**
Stddev	.0001	.0002	.0002	.0000	.002	.0003	.0001
%RSD	.0623	18.70	10.84	2.105	.1601	28.65	1.848
#1	.2109	.0014	.0021	-.0013	1.368	.0007	.0056
#2	.2111	.0011	.0018	-.0013	1.371	.0011	.0054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**48182.**	**10391.**	**1637.1**	**3102.8**
Stddev	130.	1.	6.4	11.3
%RSD	.26940	.00535	.39390	.36538
#1	48090.	10391.	1641.6	3110.9
#2	48274.	10390.	1632.5	3094.8

Zoom In Zoom Out

Sample Name: mp80106-s2 Acquired: 6/18/2014 18:18:43 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.958**	**.0530**	**.0654**	**.5993**	**.2206**	**.3187**	**2.682**	**.6381**	**.0808**
Stddev	.014	.0004	.0008	.0054	.0034	.0019	.027	.0034	.0006
%RSD	.4606	.7445	1.291	.8992	1.524	.5843	1.005	.5281	.6872
#1	2.949	.0528	.0648	.5955	.2230	.3200	2.701	.6357	.0812
#2	2.968	.0533	.0660	.6031	.2182	.3173	2.663	.6405	.0804

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5190**	**9.257**	**2.399**	**2.134**	**2.438**	**2.363**	**.5776**	**2.481**	**146.7**
Stddev	.0052	.042	.011	.014	.014	.015	.0014	.001	.1
%RSD	1.005	.4551	.4518	.6320	.5737	.6442	.2494	.0522	.0811
#1	.5227	9.227	2.391	2.124	2.429	2.352	.5766	2.480	146.8
#2	.5153	9.287	2.407	2.143	2.448	2.373	.5786	2.482	146.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.515**	**10.54**	**9.966**	**885.4**	**.3841**	**.0001**	**.0072**	**9.394**	**-.0004**
Stddev	.002	.05	.054	6.7	.0014	.0001	.0003	.043	.0004
%RSD	.0648	.4943	.5435	.7578	.3589	44.02	4.398	.4533	102.8
#1	3.513	10.58	9.927	890.2	.3832	.0002	.0074	9.364	-.0001
#2	3.517	10.51	10.00	880.7	.3851	.0001	.0070	9.424	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4338**	**.0008**	**.0477**	**-.0010**	**13.84**	**-.0001**	**.0147**
Stddev	.0023	.0004	.0005	.0001	.07	.0015	.0013
%RSD	.5379	52.95	1.113	11.84	.5325	1638.	9.167
#1	.4321	.0010	.0473	-.0011	13.79	-.0012	.0157
#2	.4354	.0005	.0481	-.0010	13.89	.0010	.0138

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	46676.	10150.	1572.1	2983.7
Stddev	339.	23.	7.0	16.2
%RSD	.72617	.23004	.44731	.54129
#1	46437.	10133.	1577.1	2995.1
#2	46916.	10166.	1567.2	2972.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 18:24:47 Type: QC
Method: Accutest1(v268) 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	**2.134**	**2.068**	**2.107**	**2.091**	**2.124**	**2.054**	**2.130**	**2.130**	**.2517**
Stddev	.009	.007	.014	.013	.005	.003	.001	.014	.0009
%RSD	.4276	.3217	.6663	.6270	.2413	.1570	.0478	.6458	.3636
#1	2.128	2.063	2.097	2.081	2.120	2.056	2.131	2.120	.2510
#2	2.140	2.072	2.117	2.100	2.127	2.052	2.129	2.140	.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	**2.113**	**2.137**	**2.098**	**2.172**	**2.139**	**2.106**	**2.115**	**41.35**	**40.71**
Stddev	.004	.011	.012	.013	.008	.015	.013	.16	.05
%RSD	.1651	.5093	.5620	.5890	.3583	.6879	.5962	.3934	.1348
#1	2.115	2.129	2.089	2.163	2.133	2.096	2.107	41.24	40.67
#2	2.110	2.144	2.106	2.181	2.144	2.116	2.124	41.47	40.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.45**	**38.91**	**41.89**	**39.55**	**2.145**	**2.142**	**2.075**	**5.328**	**2.165**
Stddev	.09	.05	.11	.26	.017	.013	.002	.034	.014
%RSD	.2226	.1381	.2516	.6454	.7928	.6127	.1103	.6393	.6569
#1	39.39	38.87	41.82	39.37	2.133	2.133	2.076	5.304	2.155
#2	39.51	38.95	41.97	39.73	2.157	2.151	2.073	5.352	2.175
Check ?	Chk Pass	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: 6/18/2014 18:24:47 Type: QC
Method: Accutest1(v268) 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	**2.131**	**2.106**	**2.091**	**2.094**	**2.088**	**2.111**	**2.113**
Stddev	.009	.006	.019	.003	.007	.017	.012
%RSD	.3998	.2674	.9227	.1252	.3416	.7901	.5543
#1	2.125	2.102	2.077	2.095	2.083	2.099	2.105
#2	2.137	2.110	2.104	2.092	2.093	2.123	2.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	53588.	10326.	1783.1	3601.9
Stddev	89.	15.	8.0	16.2
%RSD	.16687	.14517	.45115	.44932
#1	53525.	10315.	1788.8	3613.3
#2	53651.	10336.	1777.4	3590.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 18:30:42 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**-.0000**	**.0000**	**-.0003**	**.0001**	**.0000**	**-.0000**	**-.0004**
Stddev	.0001	.0000	.0002	.0002	.0001	.0001	.0001	.0000	.0001
%RSD	562.1	534.9	10060.	1282.	47.52	98.85	238.5	2.610	19.65
#1	-.0001	.0000	.0002	-.0001	-.0002	.0002	-.0000	-.0000	-.0003
#2	.0000	-.0000	-.0002	.0002	-.0004	.0000	.0001	-.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0020**	**.0004**	**-.0001**	**.0008**	**.0018**	**-.0011**	**-.0012**	**.0003**
Stddev	.0005	.0000	.0009	.0014	.0003	.0002	.0004	.0031	.0000
%RSD	519.7	1.475	215.4	1542.	30.64	13.74	39.25	251.6	16.28
#1	.0005	.0020	-.0002	.0009	.0010	.0020	-.0008	-.0034	.0003
#2	-.0003	.0021	.0011	-.0011	.0006	.0016	-.0014	.0010	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0117**	**.0498**	**.3717**	**.0008**	**.0005**	**.0003**	**.0007**	**.0005**
Stddev	.0027	.0261	.0110	.0081	.0002	.0003	.0007	.0012	.0002
%RSD	329.2	223.7	22.15	2.176	20.48	55.86	244.2	170.1	33.12
#1	-.0011	-.0302	.0420	.3774	.0009	.0007	.0007	.0016	.0006
#2	.0028	.0068	.0576	.3660	.0007	.0003	-.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 18:30:42 Type: QC
Method: Accutest1(v268) 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**	**.0095**	**.0006**	**-.0019**	**.0005**	**.0000**
Stddev	.0000	.0002	.0019	.0001	.0024	.0002	.0004
%RSD	8.199	330.6	19.46	10.78	129.3	43.58	1050.
#1	.0001	.0002	.0108	.0005	-.0002	.0004	.0003
#2	.0001	-.0001	.0082	.0006	-.0036	.0007	-.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	**57598.**	**10594.**	**1912.0**	**4114.3**
Stddev	104.	7.	5.5	15.3
%RSD	.17997	.06619	.28797	.37276
#1	57671.	10599.	1915.9	4125.1
#2	57524.	10589.	1908.1	4103.4

Zoom In Zoom Out

Sample Name: IDL-1conf Acquired: 6/18/2014 18:36:52 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0001**	**-.0001**	**-.0003**	**.0003**	**-.0001**	**-.0003**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0007	.0004	.0001	.0000	.0003
%RSD	101.7	51.88	135.4	112.5	218.8	151.9	85.85	12.75	4840.
#1	-.0002	-.0001	-.0002	-.0002	.0002	.0005	-.0001	-.0004	.0002
#2	-.0000	-.0001	-.0000	-.0000	-.0008	-.0000	-.0000	-.0003	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0005**	**.0004**	**-.0006**	**.0007**	**.0020**	**.0001**	**-.0002**	**-.0031**
Stddev	.0001	.0002	.0004	.0001	.0007	.0038	.0011	.0005	.0032
%RSD	217.1	40.13	84.56	16.87	95.54	187.8	1366.	321.2	104.5
#1	.0000	.0003	.0007	-.0006	.0012	.0047	.0009	-.0006	-.0008
#2	-.0002	.0006	.0002	-.0005	.0002	-.0007	-.0007	.0002	-.0053

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0028**	**-.0021**	**.0062**	**.2480**	**.0011**	**.0001**	**.0009**	**.0188**	**.0003**
Stddev	.0001	.0043	.0149	.0071	.0005	.0001	.0003	.0000	.0003
%RSD	2.285	201.2	238.7	2.853	45.47	67.97	36.36	.2028	98.96
#1	.0028	.0009	-.0043	.2530	.0015	.0001	.0011	.0188	.0001
#2	.0029	-.0052	.0167	.2430	.0007	.0001	.0007	.0188	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0022**	**.0001**	**.0007**	**.0004**	**-.0005**
Stddev	.0001	.0001	.0007	.0000	.0004	.0007	.0005
%RSD	3192.	82.53	33.15	4.077	51.69	175.1	93.23
#1	.0000	.0002	.0017	.0001	.0010	-.0001	-.0009
#2	-.0000	.0001	.0027	.0001	.0005	.0009	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57857.**	**10619.**	**1919.8**	**4127.3**
Stddev	72.	31.	5.6	13.3
%RSD	.12413	.29102	.29430	.32170
#1	57807.	10641.	1923.8	4136.7
#2	57908.	10597.	1915.8	4117.9

Zoom In Zoom Out

Sample Name: IDL-2conf Acquired: 6/18/2014 18:43:02 Type: Unk
Method: Accutest1(v268) Mode: CONC 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**	**-.0000**	**-.0004**	**-.0000**	**-.0000**	**.0002**	**-.0003**
Stddev	.0003	.0001	.0002	.0001	.0000	.0000	.0001	.0001	.0004
%RSD	414.4	64.74	140.6	1956.	9.213	44.51	152.8	59.97	163.7
#1	.0001	-.0001	-.0003	-.0001	-.0004	-.0000	-.0001	.0002	-.0006
#2	-.0002	-.0001	-.0000	.0001	-.0004	-.0000	.0000	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0002**	**.0002**	**.0003**	**-.0002**	**.0006**	**-.0004**	**-.0005**	**-.0060**
Stddev	.0002	.0000	.0009	.0007	.0003	.0017	.0001	.0071	.0026
%RSD	91.40	17.58	363.0	232.1	173.5	295.5	34.60	1408.	44.20
#1	-.0003	-.0002	.0009	-.0002	-.0003	-.0006	-.0004	.0045	-.0078
#2	-.0001	-.0002	-.0004	.0007	.0000	.0018	-.0003	-.0055	-.0041

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0015**	**-.0278**	**.0262**	**.1986**	**.0003**	**-.0002**	**-.0005**	**.0120**	**.0002**
Stddev	.0024	.0121	.0004	.0009	.0002	.0002	.0002	.0008	.0001
%RSD	162.1	43.57	1.663	.4285	65.53	102.9	39.78	6.872	38.87
#1	-.0002	-.0364	.0258	.1992	.0002	-.0000	-.0006	.0114	.0003
#2	.0031	-.0192	.0265	.1980	.0005	-.0003	-.0003	.0126	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0002**	**-.0002**	**.0002**	**-.0012**	**.0001**	**-.0006**
Stddev	.0000	.0003	.0006	.0000	.0022	.0002	.0002
%RSD	1.407	156.8	296.7	21.66	177.6	371.5	35.46
#1	-.0000	-.0004	-.0007	.0003	.0003	.0002	-.0004
#2	-.0000	.0000	.0002	.0002	-.0028	-.0001	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58529.**	**10516.**	**1946.3**	**4179.3**
Stddev	79.	149.	3.0	9.4
%RSD	.13495	1.4153	.15417	.22426
#1	58584.	10410.	1948.4	4185.9
#2	58473.	10621.	1944.1	4172.7

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/18/2014 18:49:11 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0000**	**-.0001**	**-.0002**	**.0000**	**-.0000**	**-.0001**	**-.0004**
Stddev	.0002	.0001	.0001	.0000	.0002	.0004	.0000	.0001	.0003
%RSD	166.8	128.7	338.2	83.33	145.7	4922.	109.8	104.1	73.89
#1	.0000	-.0002	-.0001	-.0001	.0000	.0003	-.0000	-.0000	-.0002
#2	-.0003	-.0000	.0001	-.0000	-.0003	-.0003	-.0000	-.0001	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0001**	**.0004**	**-.0009**	**.0002**	**-.0002**	**-.0011**	**-.0046**	**-.0116**
Stddev	.0003	.0001	.0001	.0001	.0008	.0027	.0010	.0058	.0010
%RSD	257.2	62.59	33.19	15.11	352.5	1301.	87.65	126.1	8.710
#1	-.0003	-.0001	.0005	-.0008	-.0003	-.0021	-.0004	-.0087	-.0124
#2	.0001	-.0000	.0003	-.0010	.0008	.0017	-.0018	-.0005	-.0109

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0015**	**-.0037**	**.0189**	**.1635**	**.0005**	**-.0001**	**.0013**	**.0133**	**-.0004**
Stddev	.0010	.0074	.0168	.0070	.0001	.0002	.0001	.0001	.0005
%RSD	69.14	202.2	88.80	4.270	16.16	158.7	8.175	.6791	137.3
#1	.0008	.0016	.0070	.1684	.0004	-.0003	.0014	.0132	-.0007
#2	.0022	-.0089	.0308	.1585	.0005	.0000	.0012	.0134	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0004**	**-.0015**	**-.0000**	**.0002**	**.0002**	**-.0006**
Stddev	.0000	.0004	.0003	.0001	.0000	.0006	.0000
%RSD	2.982	104.3	17.04	318.1	21.09	389.2	5.355
#1	-.0000	-.0006	-.0013	.0000	.0002	-.0003	-.0006
#2	-.0001	-.0001	-.0017	-.0001	.0002	.0006	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57861.**	**10532.**	**1919.6**	**4128.6**
Stddev	51.	4.	2.5	6.0
%RSD	.08802	.03667	.12785	.14534
#1	57825.	10529.	1921.4	4132.8
#2	57897.	10535.	1917.9	4124.4

Zoom In Zoom Out

Sample Name: IDL-4conf Acquired: 6/18/2014 18:55:20 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0001**	**-.0001**	**-.0001**	**-.0003**	**-.0003**	**-.0001**	**-.0003**	**-.0003**
Stddev	.0000	.0000	.0000	.0002	.0001	.0006	.0000	.0001	.0002
%RSD	29.96	29.63	14.22	263.7	40.69	215.9	9.620	44.82	54.05
#1	-.0000	-.0001	-.0001	-.0002	-.0004	.0001	-.0001	-.0002	-.0002
#2	-.0000	-.0001	-.0001	.0001	-.0002	-.0007	-.0001	-.0004	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0003**	**-.0002**	**.0000**	**.0008**	**.0010**	**-.0017**	**-.0018**	**-.0087**
Stddev	.0002	.0001	.0023	.0007	.0005	.0002	.0006	.0021	.0002
%RSD	237.4	41.79	1259.	3491.	68.01	16.23	33.25	118.8	1.854
#1	-.0003	-.0004	.0015	.0005	.0004	.0011	-.0013	-.0033	-.0088
#2	.0001	-.0002	-.0018	-.0005	.0012	.0009	-.0021	-.0003	-.0086

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0002**	**.0026**	**.0082**	**.1373**	**.0006**	**-.0003**	**-.0002**	**.0117**	**.0001**
Stddev	.0003	.0113	.0178	.0054	.0004	.0002	.0003	.0005	.0004
%RSD	132.0	432.2	217.2	3.957	65.95	51.41	150.0	4.660	498.7
#1	-.0000	-.0054	.0207	.1335	.0003	-.0002	-.0004	.0113	-.0002
#2	-.0005	.0106	-.0044	.1412	.0008	-.0004	.0000	.0121	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0002**	**-.0025**	**.0000**	**-.0011**	**-.0002**	**-.0001**
Stddev	.0001	.0006	.0003	.0001	.0006	.0010	.0005
%RSD	393.3	256.9	12.21	373.8	56.91	501.0	576.1
#1	.0000	-.0002	-.0023	.0001	-.0007	-.0009	-.0005
#2	-.0001	.0007	-.0027	-.0000	-.0016	.0005	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57493.**	**10534.**	**1908.8**	**4105.5**
Stddev	172.	7.	6.7	15.3
%RSD	.29936	.06501	.34905	.37232
#1	57615.	10529.	1913.5	4116.3
#2	57371.	10539.	1904.1	4094.7

Zoom In Zoom Out

Sample Name: IDL-5conf Acquired: 6/18/2014 19:01:29 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**-.0002**	**-.0001**	**.0000**	**-.0003**	**.0000**	**-.0001**	**-.0000**	**-.0003**
Stddev	.0001	.0000	.0000	.0004	.0001	.0002	.0000	.0002	.0002
%RSD	33.99	21.40	17.18	2736.	42.50	1615.	25.77	429.0	72.07
#1	-.0002	-.0002	-.0001	.0003	-.0002	-.0002	-.0001	-.0002	-.0001
#2	-.0003	-.0001	-.0001	-.0003	-.0004	.0002	-.0001	.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0002**	**-.0000**	**-.0006**	**.0005**	**-.0008**	**-.0004**	**-.0056**	**-.0087**
Stddev	.0000	.0002	.0017	.0006	.0002	.0000	.0002	.0018	.0018
%RSD	50.48	83.02	6440.	98.42	36.98	4.610	47.10	32.92	20.93
#1	.0001	-.0004	-.0012	-.0002	.0004	-.0008	-.0005	-.0069	-.0099
#2	.0000	-.0001	.0011	-.0011	.0006	-.0009	-.0002	-.0043	-.0074

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**-.0100**	**.0050**	**.1235**	**-.0000**	**-.0003**	**-.0002**	**.0156**	**.0006**
Stddev	.0016	.0332	.0126	.0010	.0002	.0001	.0011	.0012	.0002
%RSD	36.84	331.0	251.8	.7729	1145.	21.26	492.2	7.512	26.36
#1	.0054	.0135	.0139	.1229	.0001	-.0004	.0006	.0148	.0005
#2	.0031	-.0335	-.0039	.1242	-.0002	-.0003	-.0010	.0165	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0026**	**-.0001**	**-.0008**	**.0003**	**-.0001**
Stddev	.0000	.0001	.0006	.0002	.0011	.0001	.0001
%RSD	36.20	1471.	24.50	375.6	131.8	40.06	63.60
#1	-.0001	-.0001	-.0022	-.0002	-.0016	.0004	-.0001
#2	-.0000	.0001	-.0031	.0001	-.0001	.0002	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58237.**	**10660.**	**1936.1**	**4164.5**
Stddev	42.	5.	3.2	13.9
%RSD	.07172	.04674	.16585	.33351
#1	58267.	10656.	1938.4	4174.3
#2	58207.	10663.	1933.9	4154.6

Zoom In Zoom Out

Sample Name: IDL-6conf Acquired: 6/18/2014 19:07:39 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**-.0001**	**-.0001**	**-.0004**	**.0002**	**-.0001**	**-.0002**	**-.0009**
Stddev	.0000	.0001	.0000	.0000	.0002	.0004	.0001	.0001	.0000
%RSD	72.98	42.53	23.37	14.45	37.09	273.4	92.08	69.24	4.520
#1	.0000	-.0002	-.0001	-.0001	-.0003	-.0001	-.0001	-.0003	-.0009
#2	.0000	-.0001	-.0001	-.0001	-.0005	.0005	-.0000	-.0001	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0002**	**-.0001**	**-.0011**	**.0005**	**.0006**	**-.0006**	**-.0064**	**-.0039**
Stddev	.0004	.0001	.0012	.0002	.0008	.0020	.0003	.0013	.0009
%RSD	936.8	75.86	823.1	18.57	153.5	332.2	44.52	20.50	23.83
#1	-.0002	-.0001	.0007	-.0009	-.0000	.0020	-.0004	-.0074	-.0032
#2	.0003	-.0003	-.0010	-.0012	.0011	-.0008	-.0008	-.0055	-.0046

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0062**	**-.0047**	**-.0059**	**.1104**	**-.0001**	**-.0003**	**-.0005**	**.0021**	**.0001**
Stddev	.0016	.0015	.0154	.0008	.0006	.0000	.0010	.0003	.0003
%RSD	26.01	31.61	261.8	.7389	1061.	18.61	184.0	12.49	167.8
#1	.0073	-.0036	.0050	.1110	.0004	-.0003	.0002	.0019	-.0000
#2	.0050	-.0057	-.0168	.1098	-.0005	-.0002	-.0012	.0023	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0022**	**-.0002**	**-.0030**	**.0003**	**-.0004**
Stddev	.0000	.0012	.0003	.0003	.0013	.0002	.0005
%RSD	24.68	404.6	12.93	109.1	44.13	85.13	138.6
#1	-.0001	-.0011	-.0020	-.0004	-.0021	.0001	-.0000
#2	-.0001	.0006	-.0024	-.0001	-.0039	.0004	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57466.**	**10648.**	**1921.8**	**4133.3**
Stddev	250.	18.	6.9	12.7
%RSD	.43461	.16743	.35807	.30772
#1	57289.	10660.	1926.6	4142.3
#2	57642.	10635.	1916.9	4124.3

Zoom In Zoom Out

Sample Name: IDL-7conf Acquired: 6/18/2014 19:13:49 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0002**	**-.0001**	**.0000**	**-.0003**	**.0001**	**-.0001**	**-.0002**	**-.0002**
Stddev	.0001	.0000	.0000	.0000	.0005	.0001	.0001	.0001	.0002
%RSD	189.4	18.05	52.77	31.58	176.2	121.7	78.92	31.25	87.88
#1	-.0001	-.0002	-.0000	.0001	-.0007	.0000	-.0000	-.0002	-.0003
#2	.0000	-.0001	-.0001	.0000	.0001	.0001	-.0002	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0000**	**-.0003**	**-.0007**	**.0015**	**.0014**	**-.0003**	**-.0048**	**-.0042**
Stddev	.0004	.0001	.0002	.0002	.0009	.0005	.0001	.0002	.0033
%RSD	398.6	267.4	66.76	28.48	59.93	33.76	43.37	4.788	77.25
#1	.0002	.0001	-.0005	-.0009	.0009	.0011	-.0004	-.0050	-.0065
#2	-.0004	-.0000	-.0002	-.0006	.0022	.0018	-.0002	-.0047	-.0019

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0005**	**-.0133**	**-.0210**	**.1004**	**-.0002**	**-.0002**	**.0006**	**.0200**	**.0003**
Stddev	.0005	.0060	.0066	.0003	.0001	.0002	.0003	.0004	.0005
%RSD	101.2	45.34	31.33	.3027	45.03	117.9	51.02	2.192	135.6
#1	-.0001	-.0175	-.0257	.1001	-.0003	-.0003	.0004	.0203	.0007
#2	-.0009	-.0090	-.0163	.1006	-.0001	-.0000	.0009	.0197	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0001**	**-.0028**	**.0001**	**.0012**	**.0003**	**-.0002**
Stddev	.0000	.0001	.0008	.0001	.0006	.0002	.0001
%RSD	6.024	164.5	28.92	71.25	55.07	81.62	29.72
#1	-.0000	-.0000	-.0034	.0000	.0007	.0005	-.0002
#2	-.0000	.0002	-.0022	.0001	.0016	.0001	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58326.**	**10670.**	**1937.9**	**4163.6**
Stddev	53.	107.	2.9	5.5
%RSD	.09013	.99819	.15006	.13289
#1	58363.	10745.	1939.9	4167.5
#2	58289.	10594.	1935.8	4159.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/18/2014 19:20:01 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0001**	**-.0001**	**-.0001**	**.0002**	**-.0000**	**.0001**	**-.0001**
Stddev	.0001	.0001	.0002	.0002	.0002	.0002	.0000	.0000	.0002
%RSD	109.7	41.04	150.1	190.1	272.1	73.58	47.64	39.12	365.3
#1	-.0002	-.0001	.0000	.0000	-.0003	.0004	-.0000	.0001	.0001
#2	-.0000	-.0002	-.0002	-.0002	.0001	.0001	-.0000	.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0002**	**-.0001**	**-.0007**	**.0004**	**.0008**	**-.0004**	**-.0020**	**-.0045**
Stddev	.0002	.0001	.0006	.0006	.0013	.0008	.0003	.0030	.0022
%RSD	121.2	46.11	415.4	82.54	308.2	97.33	77.17	147.4	47.71
#1	-.0002	-.0001	-.0006	-.0003	-.0005	.0002	-.0002	.0001	-.0030
#2	-.0000	-.0003	.0003	-.0011	.0014	.0013	-.0006	-.0042	-.0061

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0011**	**-.0145**	**-.0066**	**.0882**	**-.0002**	**-.0002**	**.0003**	**.0186**	**-.0001**
Stddev	.0028	.0142	.0059	.0041	.0002	.0001	.0004	.0001	.0002
%RSD	257.0	98.29	89.93	4.700	116.1	36.82	122.1	.4857	301.1
#1	.0031	-.0245	-.0024	.0911	-.0000	-.0001	.0006	.0187	-.0002
#2	-.0009	-.0044	-.0108	.0853	-.0003	-.0002	.0000	.0185	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0000**	**-.0037**	**.0000**	**-.0024**	**.0001**	**-.0005**
Stddev	.0000	.0005	.0000	.0001	.0008	.0012	.0001
%RSD	2.893	1058.	.5453	161.1	33.42	2292.	27.06
#1	-.0000	-.0004	-.0036	-.0000	-.0018	-.0008	-.0004
#2	-.0000	.0003	-.0037	.0001	-.0030	.0009	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58973.	10922.	1974.2	4242.7
Stddev	87.	312.	3.0	6.6
%RSD	.14763	2.8564	.14978	.15537
#1	58912.	10702.	1972.1	4238.0
#2	59035.	11143.	1976.3	4247.3

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/18/2014 19:26:10 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**-.0001**	**-.0001**	**-.0003**	**.0000**	**-.0000**	**-.0003**	**.0001**
Stddev	.0001	.0000	.0001	.0000	.0002	.0004	.0000	.0000	.0001
%RSD	99.13	.4568	67.46	31.96	49.05	820.2	108.7	14.24	80.81
#1	.0000	-.0001	-.0001	-.0001	-.0002	-.0002	-.0000	-.0003	.0001
#2	.0001	-.0001	-.0001	-.0002	-.0005	.0003	-.0001	-.0003	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**-.0001**	**-.0003**	**-.0011**	**.0006**	**-.0002**	**.0000**	**-.0030**	**-.0062**
Stddev	.0004	.0001	.0009	.0008	.0009	.0001	.0000	.0007	.0025
%RSD	1896.	82.34	279.1	67.32	144.9	65.78	4123.	23.81	41.08
#1	-.0003	-.0002	.0003	-.0017	.0013	-.0003	-.0000	-.0025	-.0044
#2	.0002	-.0001	-.0010	-.0006	-.0000	-.0001	.0000	-.0035	-.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0040**	**-.0073**	**-.0076**	**.0860**	**-.0002**	**-.0002**	**-.0007**	**.0023**	**.0003**
Stddev	.0004	.0167	.0027	.0038	.0004	.0001	.0013	.0007	.0006
%RSD	9.862	229.8	35.87	4.380	156.0	45.50	183.7	28.18	190.9
#1	.0037	.0046	-.0096	.0886	-.0005	-.0001	.0002	.0019	.0008
#2	.0043	-.0191	-.0057	.0833	.0000	-.0003	-.0016	.0028	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0036**	**-.0000**	**.0006**	**.0001**	**-.0003**
Stddev	.0000	.0004	.0009	.0001	.0002	.0005	.0003
%RSD	41.05	136.6	25.46	174.8	36.59	354.8	82.82
#1	-.0001	-.0000	-.0029	.0000	.0008	-.0002	-.0005
#2	-.0001	-.0005	-.0042	-.0001	.0005	.0005	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	57831.	10490.	1920.9	4127.1
Stddev	69.	43.	4.7	9.6
%RSD	.11934	.40956	.24301	.23266
#1	57880.	10521.	1924.2	4133.9
#2	57783.	10460.	1917.6	4120.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 19:32:20 Type: QC
Method: Accutest1(v268) 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	**2.152**	**2.070**	**2.101**	**2.095**	**2.136**	**2.054**	**2.147**	**2.136**	**.2518**
Stddev	.001	.007	.019	.017	.004	.000	.003	.018	.0003
%RSD	.0444	.3291	.9135	.7877	.1815	.0186	.1431	.8261	.1364
#1	2.153	2.065	2.087	2.083	2.139	2.054	2.149	2.124	.2521
#2	2.152	2.074	2.114	2.107	2.134	2.053	2.145	2.149	.2516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.123**	**2.141**	**2.094**	**2.167**	**2.147**	**2.101**	**2.103**	**41.70**	**41.15**
Stddev	.000	.020	.023	.016	.014	.027	.021	.03	.05
%RSD	.0121	.9426	1.111	.7237	.6708	1.285	.9962	.0758	.1227
#1	2.123	2.126	2.078	2.156	2.137	2.082	2.089	41.68	41.12
#2	2.123	2.155	2.110	2.178	2.157	2.120	2.118	41.72	41.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.50**	**39.22**	**42.30**	**42.98**	**2.135**	**2.131**	**2.076**	**5.298**	**2.167**
Stddev	.13	.13	.13	.08	.022	.022	.000	.057	.022
%RSD	.3218	.3219	.3114	.1750	1.053	1.040	.0046	1.080	.9966
#1	39.41	39.13	42.20	42.93	2.119	2.115	2.076	5.257	2.152
#2	39.59	39.31	42.39	43.04	2.151	2.146	2.077	5.338	2.183
Check ?	Chk Pass	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: 6/18/2014 19:32:20 Type: QC
Method: Accutest1(v268) 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	**2.142**	**2.111**	**2.078**	**2.100**	**2.078**	**2.095**	**2.131**
Stddev	.002	.002	.028	.001	.015	.021	.004
%RSD	.0981	.0759	1.368	.0520	.7101	.9872	.2040
#1	2.141	2.112	2.058	2.099	2.067	2.080	2.134
#2	2.144	2.110	2.098	2.101	2.088	2.110	2.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	53666.	10182.	1802.1	3625.9
Stddev	147.	35.	15.4	23.8
%RSD	.27360	.34831	.85576	.65670
#1	53562.	10208.	1813.0	3642.8
#2	53770.	10157.	1791.2	3609.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 19:38:15 Type: QC
Method: Accutest1(v268) 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**	**.0000**	**.0001**	**.0002**	**-.0002**	**.0002**	**.0002**	**.0001**	**-.0004**
Stddev	.0003	.0000	.0001	.0001	.0003	.0002	.0000	.0000	.0003
%RSD	111.7	15.21	74.28	38.96	138.9	122.7	11.27	9.278	90.22
#1	.0001	.0000	.0001	.0001	-.0005	.0000	.0002	.0001	-.0006
#2	.0004	.0001	.0002	.0002	-.0000	.0003	.0002	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0020**	**.0014**	**-.0001**	**.0001**	**.0018**	**-.0005**	**.0014**	**.0048**
Stddev	.0001	.0002	.0011	.0004	.0007	.0010	.0001	.0065	.0006
%RSD	50.40	8.426	80.88	358.6	508.5	56.97	26.29	472.5	13.44
#1	.0002	.0021	.0006	.0002	.0007	.0025	-.0004	-.0032	.0043
#2	.0004	.0019	.0022	-.0004	-.0004	.0011	-.0006	.0060	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0020**	**.0062**	**.0899**	**.0003**	**.0005**	**-.0003**	**-.0007**	**.0004**
Stddev	.0004	.0084	.0118	.0006	.0002	.0001	.0007	.0002	.0000
%RSD	356.2	410.1	189.9	.6406	63.99	15.31	289.1	23.34	3.105
#1	-.0002	-.0080	.0146	.0903	.0004	.0004	-.0008	-.0008	.0004
#2	.0004	.0039	-.0021	.0895	.0002	.0005	.0003	-.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: ccb Acquired: 6/18/2014 19:38:15 Type: QC
Method: Accutest1(v268) 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**	**.0002**	**.0099**	**.0008**	**.0005**	**.0009**	**-.0001**
Stddev	.0001	.0003	.0030	.0000	.0024	.0003	.0002
%RSD	73.47	152.9	30.83	.8020	487.8	31.84	188.2
#1	.0001	.0004	.0120	.0008	-.0012	.0011	.0000
#2	.0002	-.0000	.0077	.0008	.0022	.0007	-.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	**57849.**	**10504.**	**1929.2**	**4144.8**
Stddev	35.	70.	7.4	10.6
%RSD	.05991	.66315	.38238	.25609
#1	57825.	10554.	1934.4	4152.3
#2	57874.	10455.	1923.9	4137.3

Zoom In Zoom Out

Sample Name: jb69275-1a Acquired: 6/18/2014 19:44:25 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5536**	**.0002**	**.0458**	**.0021**	**.0028**	**.0118**	**.2527**	**.0101**	**.0165**
Stddev	.0001	.0000	.0004	.0001	.0003	.0001	.0012	.0001	.0002
%RSD	.0175	.2504	.9143	4.688	10.02	.7152	.4635	.9533	1.011
#1	.5537	.0002	.0455	.0021	.0030	.0118	.2518	.0101	.0164
#2	.5535	.0002	.0461	.0020	.0026	.0119	.2535	.0102	.0166

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**8.706**	**.0065**	**-.0007**	**.6798**	**.0039**	**.0024**	**.4494**	**73.56**
Stddev	.0001	.013	.0011	.0013	.0023	.0019	.0002	.0014	.32
%RSD	10.25	.1499	17.43	170.2	.3318	49.33	8.466	.3210	.4370
#1	.0008	8.697	.0073	.0002	.6783	.0025	.0023	.4504	73.33
#2	.0007	8.715	.0057	-.0016	.6814	.0052	.0026	.4484	73.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5201**	**10.17**	**3.708**	**1028.**	**.3582**	**.0001**	**-.0010**	**1.953**	**.0006**
Stddev	.0058	.16	.017	10.	.0014	.0001	.0004	.005	.0005
%RSD	1.123	1.578	.4628	.9644	.3992	195.1	36.84	.2668	79.78
#1	.5160	10.06	3.696	1021.	.3572	.0001	-.0007	1.949	.0009
#2	.5243	10.28	3.721	1035.	.3592	-.0000	-.0012	1.956	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3187**	**.0054**	**.0295**	**-.0007**	**2.894**	**.0009**	**.0052**
Stddev	.0001	.0005	.0006	.0002	.006	.0007	.0005
%RSD	.0418	9.651	2.093	30.67	.1976	75.27	10.41
#1	.3188	.0058	.0291	-.0009	2.890	.0015	.0056
#2	.3186	.0050	.0300	-.0006	2.898	.0004	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**47995.**	**10200.**	**1627.9**	**3079.3**
Stddev	61.	36.	7.1	8.9
%RSD	.12792	.35054	.43347	.29000
#1	47952.	10225.	1632.9	3085.7
#2	48038.	10174.	1622.9	3073.0

Zoom In Zoom Out

Sample Name: jb69275-2a Acquired: 6/18/2014 19:50:33 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3975**	**.0002**	**.1412**	**.0131**	**.0023**	**.0042**	**.9183**	**.0145**	**.0390**
Stddev	.0002	.0000	.0008	.0002	.0002	.0003	.0017	.0005	.0004
%RSD	.0395	3.465	.5501	1.897	10.49	6.511	.1879	3.754	1.007
#1	.3974	.0002	.1406	.0133	.0022	.0040	.9195	.0141	.0393
#2	.3976	.0002	.1417	.0129	.0025	.0044	.9171	.0149	.0388

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**19.11**	**.0052**	**.0055**	**35.01**	**.0062**	**.0046**	**.9158**	**464.0**
Stddev	.0002	.03	.0006	.0007	.17	.0021	.0000	.0019	1.9
%RSD	56.25	.1683	11.16	12.08	.4746	33.95	.4573	.2051	.4196
#1	.0004	19.09	.0048	.0051	34.90	.0047	.0046	.9172	462.6
#2	.0002	19.13	.0056	.0060	35.13	.0077	.0046	.9145	465.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1457**	**10.24**	**10.15**	**1001.**	**.2704**	**-.0006**	**.0060**	**8.912**	**-.0003**
Stddev	.0027	.06	.02	12.	.0005	.0001	.0005	.118	.0006
%RSD	1.849	.5525	.1887	1.154	.1773	20.18	8.827	1.329	227.0
#1	.1476	10.20	10.16	992.8	.2701	-.0005	.0063	8.829	-.0007
#2	.1438	10.28	10.14	1009.	.2707	-.0007	.0056	8.996	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.418**	**.0026**	**.0804**	**-.0010**	**214.2**	**.0001**	**.0098**
Stddev	.001	.0004	.0012	.0001	1.3	.0007	.0003
%RSD	.0431	15.47	1.448	9.214	.6100	568.1	2.560
#1	1.418	.0023	.0795	-.0011	213.3	-.0004	.0097
#2	1.417	.0029	.0812	-.0009	215.1	.0006	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**46573.**	**9931.5**	**1538.4**	**2937.2**
Stddev	22.	33.4	13.4	24.7
%RSD	.04762	.33675	.87415	.84166
#1	46589.	9955.1	1548.0	2954.6
#2	46557.	9907.8	1528.9	2919.7

Zoom In Zoom Out

Sample Name: mp80126-mb1 Acquired: 6/18/2014 19:56:42 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0009**	**-.0001**	**-.0001**	**.0001**	**.0001**	**.0009**	**.0006**	**.0022**	**-.0001**
Stddev	.0001	.0001	.0000	.0002	.0001	.0002	.0000	.0001	.0001
%RSD	5.840	81.39	55.50	168.7	75.75	22.73	2.729	2.293	72.64
#1	.0009	-.0000	-.0000	-.0000	.0001	.0007	.0006	.0022	-.0001
#2	.0009	-.0002	-.0001	.0002	.0000	.0010	.0006	.0021	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0035**	**.0001**	**-.0008**	**.0009**	**.0006**	**-.0004**	**.0085**	**.0836**
Stddev	.0001	.0000	.0000	.0007	.0011	.0014	.0007	.0016	.0021
%RSD	88.96	.5494	73.08	82.55	124.2	255.0	184.2	18.85	2.501
#1	-.0002	.0035	.0000	-.0013	.0001	-.0004	-.0009	.0096	.0851
#2	-.0000	.0035	.0001	-.0003	.0017	.0016	.0001	.0073	.0821

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0343**	**.0064**	**.0447**	**.4424**	**.0031**	**-.0000**	**.0003**	**.0501**	**.0088**
Stddev	.0013	.0042	.0106	.0050	.0004	.0002	.0003	.0026	.0005
%RSD	3.761	64.79	23.80	1.133	12.56	648.6	121.5	5.141	5.997
#1	.0333	.0035	.0523	.4460	.0033	-.0002	.0000	.0519	.0084
#2	.0352	.0094	.0372	.4389	.0028	.0001	.0005	.0483	.0092

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0010**	**-.0019**	**.0001**	**.0233**	**.0004**	**.0010**
Stddev	.0000	.0000	.0003	.0002	.0011	.0002	.0005
%RSD	1.974	1.870	17.89	103.2	4.803	53.01	52.08
#1	.0002	.0010	-.0022	.0003	.0225	.0006	.0014
#2	.0002	.0010	-.0017	.0000	.0240	.0003	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58715.	10650.	1920.2	4179.7
Stddev	343.	21.	1.9	4.7
%RSD	.58341	.20154	.09954	.11299
#1	58473.	10665.	1921.5	4183.0
#2	58957.	10635.	1918.8	4176.4

Zoom In Zoom Out

Sample Name: mp80126-b1 Acquired: 6/18/2014 20:02:52 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.094**	**.0992**	**.0971**	**.9796**	**.4105**	**.4954**	**1.028**	**1.010**	**.1028**
Stddev	.004	.0006	.0008	.0047	.0025	.0004	.001	.004	.0003
%RSD	.1043	.5692	.8619	.4822	.5968	.0708	.1213	.3719	.2598
#1	4.097	.0996	.0965	.9763	.4088	.4951	1.027	1.007	.1026
#2	4.091	.0988	.0977	.9830	.4123	.4956	1.029	1.013	.1030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9476**	**1.035**	**3.945**	**4.174**	**1.025**	**3.857**	**.9933**	**52.08**	**12.29**
Stddev	.0019	.006	.014	.024	.004	.012	.0054	.01	.04
%RSD	.1993	.6109	.3557	.5637	.3397	.3009	.5466	.0216	.3583
#1	.9463	1.031	3.935	4.157	1.023	3.849	.9894	52.09	12.26
#2	.9489	1.040	3.955	4.190	1.027	3.866	.9971	52.07	12.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.82**	**11.79**	**12.87**	**12.90**	**-.0000**	**-.0000**	**.0032**	**.0868**	**.0105**
Stddev	.06	.08	.02	.02	.0005	.0003	.0002	.0005	.0001
%RSD	.1177	.6855	.1232	.1885	2809.	2041.	5.932	.5721	1.308
#1	47.86	11.73	12.88	12.91	-.0004	-.0002	.0033	.0865	.0106
#2	47.78	11.85	12.86	12.88	.0004	.0002	.0030	.0872	.0104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0011**	**.0246**	**.0002**	**.0193**	**-.0003**	**-.0003**
Stddev	.0001	.0001	.0000	.0000	.0019	.0006	.0002
%RSD	21.33	7.715	.0202	11.15	10.09	184.3	69.85
#1	.0003	.0010	.0246	.0002	.0179	.0001	-.0002
#2	.0004	.0011	.0246	.0002	.0206	-.0008	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	54939.	10384.	1822.9	3775.9
Stddev	80.	16.	5.8	13.3
%RSD	.14652	.15372	.31588	.35296
#1	54882.	10395.	1827.0	3785.3
#2	54996.	10372.	1818.9	3766.5

Zoom In Zoom Out

Sample Name: mp80126-s1 Acquired: 6/18/2014 20:08:51 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.654**	**.1021**	**.0965**	**1.062**	**.6812**	**.8789**	**4.485**	**1.236**	**.0996**
Stddev	.007	.0002	.0002	.001	.0006	.0072	.003	.004	.0010
%RSD	.1565	.1766	.2218	.1273	.0914	.8161	.0609	.2935	1.019
#1	4.659	.1023	.0967	1.061	.6817	.8840	4.487	1.233	.0988
#2	4.649	.1020	.0964	1.063	.6808	.8739	4.483	1.238	.1003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.389**	**1.663**	**3.835**	**3.893**	**1.266**	**3.637**	**.4493**	**214.9**	**20.52**
Stddev	.000	.009	.011	.015	.004	.000	.0006	.2	.06
%RSD	.0152	.5717	.2968	.3906	.3078	.0103	.1269	.0854	.2941
#1	1.389	1.656	3.827	3.883	1.263	3.636	.4489	215.0	20.57
#2	1.389	1.670	3.843	3.904	1.269	3.637	.4497	214.8	20.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**268.8**	**67.66**	**27.31**	**14.48**	**.0711**	**.0064**	**.0021**	**2.501**	**.0284**
Stddev	.3	.09	.01	.02	.0003	.0002	.0005	.009	.0021
%RSD	.1173	.1354	.0501	.1190	.4010	3.357	23.38	.3425	7.282
#1	269.0	67.60	27.30	14.50	.0709	.0066	.0025	2.507	.0269
#2	268.5	67.73	27.32	14.47	.0713	.0063	.0018	2.495	.0298

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0850**	**2.754**	**.0300**	**.0738**	**.8128**	**-.0022**	**.2408**
Stddev	.0001	.004	.0000	.0000	.0019	.0012	.0001
%RSD	.0830	.1354	.0369	.0435	.2279	51.59	.0337
#1	.0849	2.757	.0300	.0738	.8115	-.0014	.2407
#2	.0850	2.751	.0301	.0738	.8141	-.0030	.2408

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	55403.	10665.	1847.1	3614.4
Stddev	224.	13.	.3	.4
%RSD	.40413	.12476	.01492	.01002
#1	55245.	10656.	1846.9	3614.2
#2	55562.	10675.	1847.3	3614.7

Zoom In Zoom Out

Sample Name: mp80126-s2 Acquired: 6/18/2014 20:14:47 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.826**	**.1024**	**.0973**	**1.047**	**.6429**	**.9582**	**4.708**	**1.192**	**.1014**
Stddev	.009	.0001	.0003	.006	.0031	.0012	.040	.006	.0000
%RSD	.1971	.0657	.3135	.5727	.4878	.1207	.8412	.5467	.0173
#1	4.819	.1023	.0970	1.043	.6407	.9590	4.680	1.187	.1014
#2	4.832	.1024	.0975	1.052	.6451	.9574	4.736	1.196	.1014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.307**	**1.693**	**3.841**	**3.867**	**1.437**	**3.639**	**.4178**	**211.1**	**24.95**
Stddev	.006	.009	.016	.018	.004	.008	.0020	.5	.04
%RSD	.4604	.5286	.4238	.4589	.2709	.2247	.4735	.2528	.1539
#1	1.303	1.687	3.829	3.854	1.434	3.633	.4164	210.8	24.92
#2	1.311	1.700	3.852	3.879	1.439	3.645	.4192	211.5	24.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**246.4**	**48.77**	**29.11**	**15.26**	**.0806**	**.0073**	**.0032**	**2.851**	**.0339**
Stddev	.0	.23	.04	.01	.0002	.0002	.0006	.001	.0002
%RSD	.0157	.4655	.1302	.0540	.2290	3.279	19.82	.0397	.6863
#1	246.4	48.93	29.08	15.26	.0807	.0071	.0027	2.852	.0337
#2	246.4	48.61	29.13	15.27	.0804	.0075	.0036	2.850	.0340

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1143**	**3.379**	**.0288**	**.0726**	**1.429**	**.0011**	**.2251**
Stddev	.0002	.008	.0016	.0006	.002	.0003	.0003
%RSD	.1658	.2308	5.502	.8936	.1035	26.47	.1486
#1	.1142	3.373	.0277	.0730	1.427	.0013	.2249
#2	.1145	3.384	.0299	.0721	1.430	.0009	.2254

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	54946.	10648.	1828.1	3606.1
Stddev	51.	12.	5.8	13.8
%RSD	.09334	.11663	.31598	.38198
#1	54983.	10657.	1832.2	3615.9
#2	54910.	10639.	1824.0	3596.4

Zoom In Zoom Out

Sample Name: jb68289-2 Acquired: 6/18/2014 20:20:41 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (126)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9211**	**.0081**	**.0039**	**.1276**	**.3065**	**.5630**	**5.466**	**.2761**	**-.0021**
Stddev	.0038	.0000	.0002	.0001	.0007	.0005	.003	.0004	.0008
%RSD	.4129	.0490	5.555	.1145	.2303	.0833	.0619	.1291	37.51
#1	.9184	.0081	.0037	.1277	.3060	.5627	5.464	.2758	-.0027
#2	.9238	.0081	.0041	.1275	.3070	.5634	5.468	.2763	-.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5241**	**.9163**	**.1143**	**.0015**	**.5715**	**.0030**	**.0065**	**175.3**	**14.17**
Stddev	.0002	.0014	.0016	.0009	.0033	.0020	.0006	.5	.04
%RSD	.0339	.1556	1.370	60.37	.5763	64.98	9.420	.2657	.3072
#1	.5243	.9153	.1154	.0009	.5692	.0016	.0061	175.0	14.14
#2	.5240	.9173	.1132	.0022	.5738	.0044	.0070	175.7	14.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**281.5**	**45.34**	**18.56**	**2.736**	**.0781**	**.0100**	**.0006**	**2.982**	**.0388**
Stddev	.5	.00	.05	.005	.0013	.0001	.0013	.085	.0009
%RSD	.1602	.0056	.2483	.2007	1.649	.8543	225.3	2.858	2.202
#1	281.1	45.35	18.53	2.732	.0772	.0100	.0015	3.043	.0382
#2	281.8	45.34	18.59	2.740	.0790	.0099	-.0003	2.922	.0394

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1194**	**3.911**	**.0071**	**.0732**	**1.516**	**.0033**	**.2820**
Stddev	.0004	.007	.0005	.0023	.002	.0004	.0010
%RSD	.3110	.1697	7.000	3.125	.1574	11.01	.3644
#1	.1192	3.916	.0067	.0716	1.517	.0031	.2813
#2	.1197	3.906	.0074	.0748	1.514	.0036	.2828

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56519.	10820.	1886.5	3762.8
Stddev	28.	18.	2.5	3.1
%RSD	.04959	.16226	.13082	.08340
#1	56539.	10833.	1888.2	3765.0
#2	56499.	10808.	1884.7	3760.6

Zoom In Zoom Out

Sample Name: mp80126-sd1 Acquired: 6/18/2014 20:26:39 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 289-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3603**	**.0036**	**.0062**	**.1647**	**.2250**	**.3839**	**4.088**	**.3510**	**-.0558**
Stddev	.0943	.0011	.0009	.0290	.0348	.0593	.628	.0554	.0009
%RSD	26.17	30.97	14.27	17.59	15.45	15.45	15.36	15.79	1.549
#1	.2936	.0028	.0056	.1442	.2004	.3419	3.644	.3118	-.0552
#2	.4270	.0044	.0068	.1852	.2496	.4258	4.532	.3901	-.0564

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3831**	**1.201**	**.1398**	**-.0295**	**.7174**	**-.0246**	**.0154**	**65.78**	**5.733**
Stddev	.0584	.196	.0182	.0062	.1101	.0062	.0079	18.64	1.533
%RSD	15.23	16.32	13.02	21.04	15.35	25.03	51.14	28.33	26.74
#1	.3418	1.062	.1270	-.0338	.6395	-.0289	.0099	52.60	4.649
#2	.4244	1.339	.1527	-.0251	.7952	-.0202	.0210	78.96	6.817

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**115.1**	**17.22**	**7.740**	**1.557**	**.0981**	**.0102**	**-.0023**	**3.687**	**.0470**
Stddev	32.6	4.73	1.524	.226	.0151	.0008	.0061	.235	.0096
%RSD	28.30	27.46	19.69	14.52	15.36	7.537	269.6	6.366	20.53
#1	92.05	13.87	6.662	1.397	.0875	.0096	-.0066	3.521	.0402
#2	138.1	20.56	8.817	1.717	.1088	.0107	.0020	3.853	.0538

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0465**	**2.872**	**-.0021**	**.0473**	**1.884**	**.0102**	**.1113**
Stddev	.0122	.423	.0006	.0084	.319	.0028	.0247
%RSD	26.14	14.74	28.68	17.81	16.92	27.67	22.21
#1	.0379	2.572	-.0017	.0413	1.659	.0122	.0938
#2	.0551	3.171	-.0025	.0532	2.109	.0082	.1287

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56897.	10499.	1891.0	3917.2
Stddev	199.	25.	7.4	28.4
%RSD	.34910	.24217	.39259	.72440
#1	56756.	10481.	1896.3	3937.3
#2	57037.	10517.	1885.8	3897.1

Zoom In Zoom Out

Sample Name: jb68289-6 Acquired: 6/18/2014 20:32:43 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6091**	**.0055**	**.0016**	**.0667**	**.1593**	**.3153**	**1.593**	**.1373**	**.0017**
Stddev	.0123	.0002	.0001	.0003	.0012	.0001	.002	.0002	.0012
%RSD	2.013	3.544	3.401	.3904	.7502	.0262	.1177	.1638	72.82
#1	.6178	.0057	.0015	.0665	.1584	.3154	1.591	.1371	.0025
#2	.6004	.0054	.0016	.0669	.1601	.3153	1.594	.1374	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2031**	**.4508**	**.0613**	**.0008**	**.3341**	**.0027**	**.0020**	**82.95**	**11.86**
Stddev	.0001	.0009	.0004	.0014	.0010	.0014	.0003	1.59	.19
%RSD	.0345	.1992	.6100	176.2	.3039	52.75	14.09	1.911	1.629
#1	.2031	.4502	.0611	.0018	.3348	.0017	.0018	84.07	11.99
#2	.2032	.4514	.0616	-.0002	.3334	.0038	.0022	81.82	11.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**123.7**	**19.36**	**10.08**	**.8641**	**.0339**	**.0049**	**-.0024**	**2.529**	**.0368**
Stddev	2.3	.28	.21	.0210	.0012	.0000	.0009	.018	.0009
%RSD	1.822	1.454	2.084	2.436	3.447	.0548	36.10	.7190	2.548
#1	125.3	19.56	10.23	.8790	.0331	.0049	-.0018	2.542	.0362
#2	122.1	19.16	9.933	.8492	.0348	.0049	-.0030	2.516	.0375

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1179**	**1.470**	**.0034**	**.0669**	**1.114**	**-.0020**	**.1628**
Stddev	.0023	.003	.0008	.0002	.000	.0005	.0032
%RSD	1.958	.1993	24.57	.2337	.0342	27.71	1.970
#1	.1195	1.468	.0028	.0668	1.114	-.0024	.1651
#2	.1163	1.472	.0040	.0670	1.114	-.0016	.1605

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58634.	10995.	1956.6	3873.1
Stddev	4.	188.	4.6	9.1
%RSD	.00672	1.7098	.23734	.23501
#1	58636.	10862.	1959.9	3879.6
#2	58631.	11128.	1953.3	3866.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 20:38:44 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.114**	**2.011**	**2.061**	**2.047**	**2.088**	**2.019**	**2.096**	**2.085**	**.2463**
Stddev	.004	.003	.005	.009	.001	.004	.007	.008	.0000
%RSD	.2108	.1227	.2421	.4414	.0254	.1894	.3135	.3672	.0088
#1	2.117	2.013	2.057	2.041	2.088	2.022	2.100	2.080	.2463
#2	2.111	2.009	2.064	2.054	2.088	2.016	2.091	2.091	.2463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.087**	**2.049**	**2.131**	**2.094**	**2.047**	**2.064**	**40.74**	**39.68**
Stddev	.006	.007	.001	.004	.005	.002	.004	.07	.21
%RSD	.2780	.3334	.0373	.2058	.2443	.0831	.2100	.1837	.5404
#1	2.084	2.082	2.050	2.128	2.091	2.048	2.061	40.79	39.83
#2	2.076	2.092	2.049	2.134	2.098	2.046	2.067	40.68	39.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.89**	**37.52**	**41.66**	**42.34**	**2.094**	**2.092**	**2.044**	**5.206**	**2.113**
Stddev	.12	.36	.02	.02	.001	.004	.004	.009	.005
%RSD	.3161	.9547	.0484	.0555	.0558	.1681	.1770	.1762	.2251
#1	37.98	37.77	41.68	42.36	2.093	2.090	2.047	5.199	2.110
#2	37.81	37.26	41.65	42.32	2.094	2.094	2.042	5.212	2.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 20:38:44 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.102**	**2.070**	**2.042**	**2.058**	**2.040**	**2.062**	**2.107**
Stddev	.002	.001	.009	.005	.003	.003	.002
%RSD	.1014	.0339	.4564	.2563	.1675	.1426	.0752
#1	2.104	2.069	2.036	2.062	2.037	2.060	2.106
#2	2.101	2.070	2.049	2.054	2.042	2.064	2.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54189.**	**10313.**	**1815.2**	**3659.1**
Stddev	90.	55.	.7	7.8
%RSD	.16564	.53410	.03627	.21428
#1	54126.	10274.	1815.6	3664.6
#2	54253.	10352.	1814.7	3653.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 20:44:39 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0000**	**-.0000**	**.0001**	**.0002**	**.0000**	**-.0000**	**-.0004**
Stddev	.0000	.0001	.0001	.0000	.0002	.0001	.0000	.0001	.0002
%RSD	228.0	154.1	12930.	673.6	183.6	46.13	25.60	5626.	46.49
#1	.0000	-.0001	.0000	-.0000	-.0000	.0001	.0000	-.0001	-.0002
#2	-.0000	.0000	-.0000	.0000	.0002	.0002	.0000	.0001	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0009**	**.0000**	**.0007**	**.0002**	**-.0008**	**.0028**	**-.0061**
Stddev	.0007	.0002	.0005	.0006	.0010	.0016	.0013	.0006	.0024
%RSD	1487.	223.8	53.70	8142.	138.6	759.2	174.3	23.03	39.56
#1	.0005	-.0002	.0012	-.0004	.0014	-.0009	-.0017	.0023	-.0044
#2	-.0004	.0000	.0006	.0004	.0000	.0013	.0002	.0032	-.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0070**	**.0077**	**.0773**	**.0003**	**.0004**	**-.0004**	**-.0000**	**-.0004**
Stddev	.0003	.0233	.0046	.0012	.0005	.0001	.0005	.0000	.0005
%RSD	49.39	331.6	59.53	1.502	157.6	34.03	126.9	96.76	132.9
#1	.0003	-.0095	.0045	.0764	-.0000	.0003	-.0000	-.0000	-.0000
#2	.0007	.0235	.0110	.0781	.0007	.0005	-.0008	-.0001	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 20:44:39 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0083**	**.0007**	**-.0010**	**.0001**	**-.0000**
Stddev	.0000	.0001	.0020	.0001	.0014	.0008	.0000
%RSD	32.77	89.04	24.11	19.73	141.0	899.4	620.3
#1	.0000	-.0000	.0097	.0008	-.0020	.0007	.0000
#2	.0000	-.0002	.0069	.0006	-.0000	-.0005	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58564.**	**10641.**	**1933.4**	**4162.6**
Stddev	25.	54.	.8	7.7
%RSD	.04278	.50715	.04244	.18387
#1	58582.	10602.	1934.0	4168.0
#2	58546.	10679.	1932.9	4157.2

Zoom In Zoom Out

Sample Name: jb68289-14 Acquired: 6/18/2014 20:50:50 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9262**	**.0054**	**.0012**	**.0828**	**.1675**	**.1958**	**6.017**	**.1369**	**.0029**
Stddev	.0011	.0000	.0001	.0004	.0010	.0001	.003	.0001	.0013
%RSD	.1144	.2532	7.834	.5024	.6125	.0747	.0549	.1078	43.73
#1	.9270	.0055	.0012	.0825	.1668	.1957	6.019	.1370	.0020
#2	.9255	.0054	.0013	.0831	.1682	.1959	6.015	.1368	.0038

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2527**	**.5841**	**.0504**	**-.0007**	**1.779**	**.0023**	**.0244**	**100.7**	**63.40**
Stddev	.0003	.0025	.0004	.0021	.006	.0010	.0008	.1	.14
%RSD	.1237	.4354	.7194	279.9	.3525	43.80	3.311	.0787	.2284
#1	.2529	.5823	.0507	-.0022	1.774	.0016	.0250	100.6	63.30
#2	.2525	.5859	.0502	.0007	1.783	.0031	.0239	100.7	63.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**178.8**	**19.65**	**9.591**	**1.254**	**.0409**	**.0068**	**-.0008**	**2.592**	**.1042**
Stddev	.5	.10	.014	.000	.0003	.0000	.0004	.007	.0011
%RSD	.2932	.5300	.1475	.0048	.8021	.7193	59.63	.2689	1.033
#1	178.4	19.58	9.581	1.254	.0411	.0069	-.0004	2.587	.1034
#2	179.1	19.73	9.601	1.254	.0407	.0068	-.0011	2.597	.1050

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1918**	**1.856**	**.0075**	**.0584**	**1.690**	**.0006**	**.1805**
Stddev	.0002	.001	.0001	.0006	.014	.0000	.0003
%RSD	.1054	.0274	1.966	.9601	.8431	5.795	.1702
#1	.1919	1.856	.0076	.0580	1.680	.0006	.1803
#2	.1916	1.855	.0074	.0588	1.700	.0006	.1808

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56779.**	**10816.**	**1885.6**	**3750.4**
Stddev	68.	48.	4.0	6.5
%RSD	.12012	.44770	.21313	.17257
#1	56731.	10850.	1888.4	3755.0
#2	56827.	10781.	1882.8	3745.8

Zoom In Zoom Out

Sample Name: jb68289-19 Acquired: 6/18/2014 20:56:50 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7265**	**.0054**	**.0016**	**.0836**	**.1621**	**.2862**	**3.012**	**.1477**	**.0007**
Stddev	.0031	.0000	.0002	.0007	.0011	.0003	.001	.0009	.0006
%RSD	.4211	.4130	11.28	.8555	.6676	.1126	.0365	.6180	80.99
#1	.7244	.0054	.0017	.0831	.1628	.2859	3.013	.1470	.0011
#2	.7287	.0054	.0014	.0841	.1613	.2864	3.012	.1483	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2403**	**.4294**	**.0506**	**.0012**	**.3419**	**.0012**	**.0011**	**91.21**	**14.91**
Stddev	.0005	.0019	.0020	.0004	.0028	.0018	.0007	.25	.04
%RSD	.2051	.4468	3.966	28.84	.8139	143.7	62.59	.2780	.2790
#1	.2399	.4281	.0491	.0015	.3400	-.0000	.0006	91.03	14.88
#2	.2406	.4308	.0520	.0010	.3439	.0025	.0015	91.39	14.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**188.9**	**21.58**	**10.33**	**1.069**	**.0507**	**.0064**	**.0008**	**2.620**	**.0420**
Stddev	.3	.03	.01	.006	.0003	.0002	.0005	.017	.0010
%RSD	.1630	.1406	.0922	.5769	.6403	2.981	56.89	.6572	2.324
#1	188.7	21.60	10.33	1.065	.0510	.0063	.0005	2.608	.0427
#2	189.1	21.56	10.34	1.073	.0505	.0065	.0012	2.632	.0413

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1628**	**2.067**	**.0046**	**.0727**	**1.485**	**-.0005**	**.1673**
Stddev	.0005	.008	.0006	.0003	.012	.0004	.0002
%RSD	.2960	.3962	13.86	.4699	.7890	80.10	.1320
#1	.1624	2.072	.0051	.0725	1.477	-.0008	.1674
#2	.1631	2.061	.0042	.0729	1.493	-.0002	.1671

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58392.**	**11045.**	**1948.7**	**3887.3**
Stddev	2.	17.	8.9	11.4
%RSD	.00292	.15381	.45692	.29324
#1	58391.	11057.	1955.0	3895.4
#2	58394.	11033.	1942.4	3879.2

Zoom In Zoom Out

Sample Name: jb68289-1r Acquired: 6/18/2014 21:02:50 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8544**	**.0059**	**.0053**	**.1250**	**.4708**	**.8532**	**3.665**	**.3628**	**-.0011**
Stddev	.0001	.0000	.0003	.0010	.0005	.0003	.004	.0016	.0001
%RSD	.0174	.3797	5.206	.8061	.1121	.0293	.1052	.4454	11.87
#1	.8545	.0059	.0055	.1243	.4711	.8530	3.662	.3617	-.0010
#2	.8543	.0059	.0051	.1257	.4704	.8534	3.668	.3640	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.107**	**1.418**	**.1289**	**-.0007**	**1.361**	**.0010**	**.0155**	**183.5**	**30.10**
Stddev	.001	.011	.0010	.0028	.008	.0052	.0003	.0	.18
%RSD	.0741	.7467	.7511	423.4	.5861	533.6	1.852	.0136	.5974
#1	1.107	1.411	.1295	.0013	1.356	.0047	.0157	183.5	29.97
#2	1.106	1.426	.1282	-.0026	1.367	-.0027	.0153	183.5	30.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**271.4**	**56.64**	**16.71**	**5.945**	**.1166**	**.0140**	**.0022**	**2.714**	**.0807**
Stddev	1.2	.41	.00	.004	.0001	.0003	.0009	.015	.0008
%RSD	.4596	.7150	.0220	.0623	.0912	2.212	39.93	.5394	.9650
#1	270.5	56.36	16.71	5.943	.1167	.0138	.0016	2.725	.0812
#2	272.3	56.93	16.71	5.948	.1166	.0142	.0028	2.704	.0801

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2060**	**4.422**	**.0069**	**.0931**	**22.33**	**.0080**	**.3062**
Stddev	.0002	.001	.0001	.0001	.14	.0003	.0020
%RSD	.0963	.0150	1.299	.0915	.6399	3.605	.6631
#1	.2061	4.422	.0070	.0930	22.23	.0082	.3076
#2	.2059	4.423	.0068	.0932	22.43	.0078	.3047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55864.**	**10827.**	**1825.6**	**3677.3**
Stddev	36.	54.	6.0	12.7
%RSD	.06448	.49766	.32767	.34459
#1	55890.	10865.	1829.8	3686.3
#2	55839.	10789.	1821.4	3668.4

Zoom In Zoom Out

Sample Name: jb68289-23 Acquired: 6/18/2014 21:08:49 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8305**	**.0072**	**.0018**	**.1234**	**.2738**	**.1937**	**6.959**	**.2720**	**.0007**
Stddev	.0033	.0000	.0001	.0006	.0023	.0011	.033	.0010	.0004
%RSD	.3958	.5598	6.256	.4717	.8500	.5831	.4670	.3718	55.85
#1	.8282	.0072	.0018	.1230	.2721	.1944	6.936	.2713	.0010
#2	.8329	.0073	.0017	.1238	.2754	.1929	6.982	.2727	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4328**	**.5468**	**.0248**	**-.0015**	**.1988**	**.0047**	**.0006**	**154.2**	**21.44**
Stddev	.0006	.0028	.0003	.0005	.0012	.0020	.0007	.4	.02
%RSD	.1423	.5163	1.256	30.33	.5971	41.55	108.2	.2470	.0760
#1	.4324	.5448	.0246	-.0012	.1980	.0061	.0002	154.0	21.43
#2	.4332	.5488	.0250	-.0018	.1996	.0033	.0011	154.5	21.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**234.1**	**44.09**	**16.35**	**2.161**	**.0590**	**.0052**	**-.0004**	**2.718**	**.0302**
Stddev	.1	.12	.06	.001	.0002	.0001	.0003	.000	.0014
%RSD	.0355	.2705	.3607	.0275	.3375	2.487	59.60	.0027	4.567
#1	234.0	44.01	16.31	2.160	.0589	.0051	-.0002	2.718	.0292
#2	234.1	44.18	16.39	2.161	.0592	.0052	-.0006	2.718	.0312

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1858**	**3.311**	**.0047**	**.0684**	**8.756**	**.0013**	**.2756**
Stddev	.0001	.007	.0009	.0001	.001	.0008	.0013
%RSD	.0420	.2108	18.74	.1194	.0102	64.87	.4701
#1	.1857	3.306	.0040	.0684	8.757	.0007	.2747
#2	.1858	3.316	.0053	.0683	8.756	.0019	.2765

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56836.**	**10970.**	**1862.9**	**3754.3**
Stddev	79.	19.	6.0	2.1
%RSD	.13908	.17036	.32089	.05492
#1	56892.	10984.	1858.6	3752.9
#2	56780.	10957.	1867.1	3755.8

Zoom In Zoom Out

Sample Name: jb68289-26 Acquired: 6/18/2014 21:14:50 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.234**	**.0077**	**.0013**	**.1144**	**.2370**	**.1164**	**5.542**	**.2977**	**-.0015**
Stddev	.005	.0001	.0000	.0007	.0010	.0002	.013	.0015	.0007
%RSD	.4231	.8077	1.250	.5831	.4231	.1940	.2366	.5065	50.18
#1	1.231	.0078	.0013	.1140	.2363	.1163	5.532	.2967	-.0020
#2	1.238	.0077	.0013	.1149	.2377	.1166	5.551	.2988	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2565**	**.5476**	**.0403**	**-.0016**	**.1194**	**-.0032**	**-.0029**	**91.25**	**18.62**
Stddev	.0001	.0027	.0005	.0006	.0011	.0005	.0006	.11	.04
%RSD	.0225	.4988	1.222	39.54	.9053	15.95	19.91	.1178	.1910
#1	.2566	.5456	.0399	-.0011	.1186	-.0028	-.0033	91.18	18.59
#2	.2565	.5495	.0406	-.0020	.1202	-.0035	-.0025	91.33	18.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**239.8**	**50.82**	**21.55**	**1.882**	**.0806**	**.0061**	**-.0001**	**2.217**	**.0214**
Stddev	.2	.03	.04	.001	.0006	.0002	.0004	.015	.0002
%RSD	.0956	.0631	.1890	.0304	.7522	2.482	316.2	.6697	.7738
#1	239.6	50.80	21.52	1.881	.0802	.0060	.0002	2.228	.0215
#2	239.9	50.85	21.58	1.882	.0810	.0063	-.0005	2.207	.0213

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1008**	**3.615**	**.0050**	**.0610**	**.5813**	**.0020**	**.2488**
Stddev	.0004	.002	.0011	.0000	.0001	.0000	.0004
%RSD	.4007	.0416	21.90	.0158	.0237	.8880	.1742
#1	.1005	3.614	.0042	.0610	.5812	.0019	.2485
#2	.1011	3.616	.0058	.0610	.5814	.0020	.2491

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59510.**	**11379.**	**1959.0**	**3798.8**
Stddev	23.	8.	9.1	15.0
%RSD	.03834	.06644	.46502	.39390
#1	59527.	11374.	1965.5	3809.4
#2	59494.	11384.	1952.6	3788.3

Zoom In Zoom Out

Sample Name: jb68289-5r Acquired: 6/18/2014 21:20:53 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3546**	**.0067**	**.0020**	**.0874**	**.3201**	**1.234**	**1.429**	**1.026**	**.0110**
Stddev	.0010	.0000	.0000	.0005	.0044	.004	.008	.006	.0000
%RSD	.2893	.0097	1.058	.5730	1.368	.2844	.5812	.5701	.0391
#1	.3554	.0067	.0020	.0871	.3232	1.237	1.434	1.022	.0110
#2	.3539	.0067	.0021	.0878	.3170	1.232	1.423	1.030	.0109

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.593**	**3.699**	**.0495**	**-.0004**	**1.081**	**.0065**	**.0078**	**44.81**	**40.91**
Stddev	.007	.020	.0002	.0025	.003	.0023	.0002	.11	.09
%RSD	.4581	.5319	.3654	676.5	.2890	35.33	2.140	.2425	.2320
#1	1.598	3.685	.0494	.0014	1.079	.0081	.0079	44.89	40.97
#2	1.587	3.713	.0496	-.0022	1.083	.0049	.0077	44.73	40.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**88.78**	**63.20**	**2.582**	**5.486**	**.3232**	**.0358**	**.0039**	**3.821**	**.3505**
Stddev	.09	.16	.005	.012	.0026	.0004	.0008	.025	.0015
%RSD	.1053	.2555	.1897	.2167	.7898	1.141	21.53	.6686	.4323
#1	88.71	63.08	2.586	5.494	.3214	.0355	.0033	3.803	.3494
#2	88.84	63.31	2.579	5.478	.3251	.0360	.0045	3.840	.3515

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1432**	**2.942**	**.0239**	**.0493**	**41.76**	**.0048**	**.0273**
Stddev	.0003	.003	.0001	.0001	.30	.0001	.0003
%RSD	.1782	.1109	.6094	.2103	.7148	2.778	1.176
#1	.1433	2.944	.0240	.0494	41.55	.0047	.0275
#2	.1430	2.939	.0238	.0492	41.97	.0049	.0271

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56411.	10508.	1846.6	3796.7
Stddev	381.	8.	10.7	21.1
%RSD	.67592	.08010	.57706	.55638
#1	56141.	10502.	1854.1	3811.6
#2	56680.	10514.	1839.1	3781.8

Zoom In Zoom Out

Sample Name: jb68289-13r Acquired: 6/18/2014 21:26:52 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5063**	**.0234**	**.0064**	**.1703**	**.5129**	**1.286**	**3.524**	**.6551**	**.0098**
Stddev	.0007	.0000	.0001	.0010	.0005	.001	.014	.0021	.0004
%RSD	.1377	.0073	1.345	.5770	.0958	.0806	.3839	.3175	4.526
#1	.5058	.0234	.0065	.1696	.5133	1.285	3.534	.6536	.0101
#2	.5068	.0234	.0064	.1710	.5126	1.286	3.515	.6566	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.7165**	**2.807**	**.0523**	**-.0048**	**.6698**	**.0047**	**.0004**	**154.1**	**101.4**
Stddev	.0017	.013	.0009	.0020	.0030	.0020	.0001	.1	.3
%RSD	.2375	.4473	1.752	41.61	.4437	43.08	29.69	.0552	.2973
#1	.7177	2.798	.0516	-.0034	.6677	.0033	.0005	154.2	101.6
#2	.7153	2.816	.0529	-.0062	.6719	.0062	.0003	154.1	101.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**251.9**	**101.8**	**6.614**	**11.98**	**2.182**	**.0221**	**.0008**	**2.786**	**.1758**
Stddev	.4	.3	.006	.01	.013	.0000	.0007	.018	.0010
%RSD	.1483	.3119	.0879	.0429	.5899	.0253	97.65	.6432	.5682
#1	252.1	102.0	6.618	11.98	2.173	.0221	.0013	2.774	.1751
#2	251.6	101.5	6.610	11.98	2.191	.0221	.0002	2.799	.1765

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2695**	**13.29**	**.0187**	**.1840**	**14.56**	**.0265**	**.1845**
Stddev	.0004	.04	.0006	.0002	.06	.0030	.0003
%RSD	.1635	.2652	3.066	.0988	.4164	11.41	.1511
#1	.2692	13.31	.0183	.1841	14.52	.0286	.1847
#2	.2698	13.26	.0191	.1839	14.60	.0244	.1843

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	56053.	10795.	1783.1	3538.0
Stddev	166.	14.	8.4	18.7
%RSD	.29575	.12642	.47366	.52913
#1	55935.	10786.	1789.0	3551.2
#2	56170.	10805.	1777.1	3524.8

Zoom In Zoom Out

Sample Name: jb68289-22r Acquired: 6/18/2014 21:32:53 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8192**	**.0047**	**.0030**	**.0899**	**.2895**	**.3404**	**3.598**	**.2423**	**.0012**
Stddev	.0007	.0000	.0000	.0004	.0018	.0001	.014	.0003	.0000
%RSD	.0873	.7473	1.382	.4105	.6222	.0290	.3921	.1209	3.020
#1	.8197	.0047	.0030	.0896	.2882	.3403	3.588	.2426	.0012
#2	.8187	.0048	.0030	.0901	.2908	.3404	3.608	.2421	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8446**	**.8175**	**.0400**	**.0017**	**.5507**	**.0027**	**.0035**	**105.6**	**20.01**
Stddev	.0007	.0012	.0007	.0021	.0007	.0019	.0002	.2	.05
%RSD	.0848	.1428	1.707	120.1	.1221	69.18	5.968	.1633	.2382
#1	.8441	.8167	.0395	.0032	.5502	.0014	.0034	105.7	20.05
#2	.8451	.8184	.0405	.0003	.5512	.0040	.0037	105.5	19.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**211.1**	**38.38**	**12.52**	**1.934**	**.0724**	**.0087**	**.0018**	**2.488**	**.1643**
Stddev	.3	.26	.03	.001	.0003	.0001	.0006	.015	.0010
%RSD	.1256	.6645	.2777	.0332	.3534	.6862	35.14	.5857	.6088
#1	211.3	38.56	12.54	1.934	.0722	.0087	.0014	2.498	.1636
#2	210.9	38.20	12.49	1.934	.0726	.0088	.0023	2.478	.1650

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1757**	**2.974**	**.0046**	**.0621**	**9.670**	**.0021**	**.2304**
Stddev	.0002	.001	.0018	.0000	.034	.0020	.0004
%RSD	.1330	.0152	39.22	.0447	.3515	94.52	.1594
#1	.1759	2.973	.0059	.0621	9.646	.0007	.2307
#2	.1756	2.974	.0033	.0622	9.694	.0036	.2302

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57312.**	**10894.**	**1833.5**	**3777.0**
Stddev	5.	2.	2.6	9.8
%RSD	.00797	.02103	.14081	.25989
#1	57316.	10892.	1835.3	3783.9
#2	57309.	10895.	1831.6	3770.1

Zoom In Zoom Out

Sample Name: jb69123-1 Acquired: 6/18/2014 21:38:53 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2337**	**.0048**	**.0010**	**.0532**	**.1741**	**.0722**	**1.594**	**.1558**	**.0008**
Stddev	.0001	.0000	.0000	.0000	.0005	.0000	.003	.0012	.0021
%RSD	.0512	.2556	4.369	.0766	.2842	.0537	.1545	.7700	264.5
#1	.2336	.0048	.0011	.0532	.1738	.0721	1.592	.1550	-.0007
#2	.2338	.0048	.0010	.0532	.1745	.0722	1.596	.1566	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2413**	**.3791**	**.0349**	**.0015**	**.0880**	**-.0010**	**-.0019**	**101.3**	**13.06**
Stddev	.0005	.0017	.0014	.0003	.0002	.0020	.0016	.0	.00
%RSD	.2121	.4560	4.073	17.57	.2393	188.2	85.30	.0266	.0075
#1	.2416	.3779	.0360	.0017	.0881	.0003	-.0030	101.3	13.06
#2	.2409	.3803	.0339	.0013	.0878	-.0024	-.0008	101.3	13.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**142.5**	**37.18**	**22.54**	**11.08**	**.1547**	**.0351**	**.0028**	**2.126**	**.0153**
Stddev	.1	.05	.02	.02	.0000	.0000	.0003	.004	.0008
%RSD	.0937	.1280	.0690	.1412	.0257	.0483	9.060	.1751	5.245
#1	142.6	37.21	22.53	11.07	.1547	.0351	.0030	2.128	.0148
#2	142.4	37.14	22.55	11.09	.1548	.0351	.0026	2.123	.0159

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1648**	**1.681**	**.0015**	**.0558**	**76.26**	**.0005**	**.2276**
Stddev	.0003	.001	.0004	.0001	.38	.0001	.0002
%RSD	.1538	.0742	24.06	.1000	.5030	16.31	.0845
#1	.1646	1.682	.0012	.0558	75.99	.0006	.2275
#2	.1650	1.680	.0017	.0557	76.54	.0004	.2277

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58830.**	**11041.**	**1895.8**	**3785.3**
Stddev	72.	7.	9.5	16.4
%RSD	.12284	.06061	.50254	.43405
#1	58881.	11045.	1902.6	3796.9
#2	58779.	11036.	1889.1	3773.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 21:44:55 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.119**	**1.989**	**2.071**	**2.033**	**2.049**	**2.020**	**2.061**	**2.061**	**.2449**
Stddev	.001	.001	.008	.012	.005	.003	.001	.012	.0007
%RSD	.0641	.0508	.4004	.5683	.2618	.1707	.0369	.5946	.2908
#1	2.120	1.988	2.065	2.025	2.053	2.022	2.061	2.052	.2454
#2	2.118	1.989	2.077	2.042	2.045	2.017	2.062	2.070	.2444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.062**	**2.049**	**2.124**	**2.064**	**2.053**	**2.078**	**40.45**	**38.98**
Stddev	.001	.013	.013	.012	.005	.008	.010	.02	.07
%RSD	.0465	.6367	.6385	.5823	.2412	.4099	.4685	.0551	.1784
#1	2.058	2.053	2.040	2.115	2.061	2.047	2.071	40.47	39.03
#2	2.059	2.072	2.058	2.132	2.068	2.059	2.085	40.43	38.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.51**	**36.96**	**41.58**	**42.62**	**2.099**	**2.110**	**2.049**	**5.237**	**2.104**
Stddev	.01	.03	.01	.07	.011	.011	.005	.031	.012
%RSD	.0358	.0795	.0264	.1641	.5132	.5063	.2264	.5861	.5636
#1	37.52	36.94	41.59	42.67	2.092	2.102	2.052	5.215	2.096
#2	37.50	36.98	41.58	42.57	2.107	2.117	2.046	5.259	2.113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 21:44:55 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.105**	**2.043**	**2.055**	**2.050**	**2.048**	**2.101**	**2.104**
Stddev	.002	.000	.021	.000	.012	.009	.003
%RSD	.0739	.0192	1.019	.0022	.5999	.4354	.1193
#1	2.106	2.043	2.040	2.050	2.040	2.094	2.106
#2	2.104	2.043	2.070	2.050	2.057	2.107	2.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54643.**	**10345.**	**1786.4**	**3628.8**
Stddev	109.	10.	10.8	21.6
%RSD	.19963	.10114	.60454	.59385
#1	54720.	10337.	1794.1	3644.1
#2	54566.	10352.	1778.8	3613.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 21:50:50 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0000**	**.0001**	**.0001**	**-.0002**	**.0005**	**.0002**	**.0001**	**-.0003**
Stddev	.0000	.0001	.0001	.0000	.0002	.0003	.0001	.0001	.0001
%RSD	108.0	335.7	72.56	9.396	122.3	58.17	48.57	55.68	48.68
#1	-.0000	-.0000	.0001	.0001	-.0003	.0003	.0001	.0001	-.0002
#2	-.0000	.0001	.0000	.0001	-.0000	.0007	.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	**-.0000**	**-.0001**	**.0005**	**.0000**	**.0007**	**.0025**	**-.0006**	**.0020**	**-.0030**
Stddev	.0004	.0001	.0010	.0005	.0000	.0018	.0006	.0033	.0020
%RSD	2192.	178.1	201.4	2716.	.4851	70.18	90.17	159.6	65.37
#1	-.0003	-.0001	.0013	.0003	.0007	.0038	-.0002	.0044	-.0044
#2	.0003	.0000	-.0002	-.0003	.0007	.0013	-.0010	-.0003	-.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	**.0043**	**-.0314**	**.0053**	**.0385**	**.0009**	**.0004**	**.0003**	**-.0003**	**.0001**
Stddev	.0008	.0035	.0090	.0040	.0002	.0000	.0017	.0006	.0004
%RSD	18.35	11.21	171.2	10.36	20.37	10.29	609.3	244.4	356.5
#1	.0049	-.0339	-.0011	.0357	.0007	.0005	-.0009	-.0007	-.0002
#2	.0037	-.0289	.0117	.0413	.0010	.0004	.0015	.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: 6/18/2014 21:50:50 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0075**	**.0006**	**.0060**	**.0004**	**.0009**
Stddev	.0001	.0000	.0022	.0003	.0001	.0000	.0006
%RSD	55.20	33.78	29.34	45.78	2.458	1.320	64.46
#1	.0001	.0000	.0091	.0004	.0059	.0004	.0005
#2	.0002	.0001	.0060	.0007	.0061	.0004	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58398.**	**10559.**	**1898.2**	**4130.4**
Stddev	58.	13.	11.6	22.2
%RSD	.09864	.12730	.61020	.53755
#1	58357.	10549.	1906.4	4146.1
#2	58438.	10568.	1890.0	4114.7

Zoom In Zoom Out

Sample Name: jb69123-2 Acquired: 6/18/2014 21:57:00 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2450**	**.0041**	**.0011**	**.0536**	**.1520**	**.0658**	**1.799**	**.1424**	**.0017**
Stddev	.0002	.0000	.0001	.0001	.0021	.0009	.010	.0004	.0004
%RSD	.0632	.9479	8.038	.1933	1.386	1.312	.5496	.2887	23.71
#1	.2448	.0041	.0010	.0536	.1535	.0652	1.806	.1421	.0020
#2	.2451	.0041	.0012	.0537	.1506	.0664	1.792	.1427	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2292**	**.3306**	**.0471**	**.0024**	**.0902**	**.0029**	**-.0018**	**89.46**	**10.56**
Stddev	.0007	.0004	.0010	.0002	.0023	.0001	.0008	.10	.06
%RSD	.3026	.1270	2.175	9.504	2.572	3.745	41.48	.1096	.5555
#1	.2297	.3303	.0479	.0025	.0885	.0030	-.0013	89.53	10.60
#2	.2287	.3309	.0464	.0022	.0918	.0028	-.0024	89.39	10.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**144.1**	**31.17**	**20.51**	**13.62**	**.1307**	**.0825**	**.0043**	**2.003**	**.0163**
Stddev	.4	.02	.03	.00	.0003	.0007	.0012	.001	.0002
%RSD	.2556	.0511	.1426	.0197	.2152	.8463	28.24	.0513	1.186
#1	144.4	31.18	20.53	13.62	.1305	.0820	.0034	2.002	.0161
#2	143.9	31.16	20.49	13.61	.1309	.0830	.0051	2.004	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1412**	**1.621**	**.0051**	**.0501**	**97.63**	**.0004**	**.1977**
Stddev	.0002	.005	.0011	.0001	.16	.0001	.0003
%RSD	.1084	.3384	21.50	.1269	.1630	17.11	.1652
#1	.1411	1.625	.0058	.0501	97.52	.0004	.1975
#2	.1413	1.617	.0043	.0500	97.74	.0003	.1979

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58497.**	**10999.**	**1901.6**	**3805.1**
Stddev	157.	3.	3.8	10.3
%RSD	.26881	.03138	.20119	.27183
#1	58386.	10997.	1904.3	3812.4
#2	58609.	11002.	1898.9	3797.8

Zoom In Zoom Out

Sample Name: jb69123-3 Acquired: 6/18/2014 22:02:59 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2670**	**.0046**	**.0013**	**.0563**	**.1798**	**.0801**	**1.905**	**.1604**	**.0004**
Stddev	.0005	.0000	.0001	.0004	.0004	.0002	.008	.0002	.0007
%RSD	.1924	.6063	7.574	.7803	.2312	.1964	.4056	.1226	159.2
#1	.2666	.0046	.0014	.0566	.1801	.0802	1.910	.1605	-.0001
#2	.2673	.0045	.0013	.0559	.1795	.0799	1.899	.1603	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2359**	**.4075**	**.0415**	**.0019**	**.1157**	**.0017**	**-.0017**	**103.1**	**12.07**
Stddev	.0006	.0004	.0009	.0021	.0004	.0022	.0008	.1	.03
%RSD	.2364	.0973	2.172	110.4	.3437	131.0	43.79	.0758	.2184
#1	.2363	.4072	.0409	.0004	.1160	.0001	-.0012	103.1	12.09
#2	.2356	.4078	.0421	.0034	.1154	.0033	-.0023	103.2	12.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.8**	**36.50**	**22.74**	**13.29**	**.1359**	**.0500**	**.0044**	**3.128**	**.0182**
Stddev	.1	.14	.06	.02	.0004	.0000	.0004	.033	.0005
%RSD	.0360	.3887	.2852	.1470	.2995	.0289	9.971	1.053	2.962
#1	153.7	36.60	22.70	13.27	.1362	.0499	.0047	3.152	.0178
#2	153.8	36.40	22.79	13.30	.1356	.0500	.0041	3.105	.0186

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1563**	**1.800**	**.0043**	**.0584**	**86.38**	**.0008**	**.2315**
Stddev	.0002	.002	.0001	.0007	.05	.0006	.0007
%RSD	.1434	.1275	1.672	1.212	.0615	78.81	.3094
#1	.1562	1.802	.0043	.0579	86.41	.0004	.2310
#2	.1565	1.799	.0044	.0589	86.34	.0013	.2320

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58240.**	**10942.**	**1898.9**	**3780.4**
Stddev	72.	8.	1.5	1.7
%RSD	.12372	.07038	.07962	.04400
#1	58291.	10947.	1899.9	3781.6
#2	58189.	10936.	1897.8	3779.3

Zoom In Zoom Out

Sample Name: jb69123-4 Acquired: 6/18/2014 22:08:59 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2855**	**.0053**	**.0007**	**.0488**	**.2016**	**.0921**	**2.343**	**.1570**	**-.0004**
Stddev	.0034	.0002	.0001	.0005	.0024	.0014	.030	.0001	.0013
%RSD	1.179	3.400	16.51	.9621	1.174	1.529	1.302	.0720	321.1
#1	.2879	.0054	.0008	.0485	.1999	.0911	2.321	.1569	.0005
#2	.2831	.0052	.0006	.0492	.2032	.0931	2.364	.1571	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2475**	**.4129**	**.0501**	**.0018**	**.1652**	**.0022**	**-.0022**	**121.2**	**15.20**
Stddev	.0028	.0019	.0001	.0010	.0005	.0001	.0014	1.6	.26
%RSD	1.138	.4537	.2027	55.88	.3047	3.786	66.51	1.341	1.686
#1	.2455	.4116	.0501	.0011	.1656	.0022	-.0011	122.4	15.39
#2	.2495	.4142	.0502	.0025	.1648	.0023	-.0032	120.1	15.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**170.1**	**38.66**	**25.21**	**7.076**	**.1298**	**.0178**	**.0031**	**2.076**	**.0178**
Stddev	2.5	.78	.32	.089	.0005	.0001	.0006	.009	.0010
%RSD	1.483	2.030	1.280	1.254	.3951	.4479	20.15	.4209	5.617
#1	171.9	39.22	25.44	7.139	.1294	.0178	.0035	2.070	.0171
#2	168.3	38.11	24.98	7.014	.1302	.0179	.0026	2.082	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1713**	**1.848**	**.0033**	**.0682**	**93.91**	**.0003**	**.2843**
Stddev	.0022	.019	.0010	.0007	.29	.0005	.0031
%RSD	1.261	1.018	29.19	1.012	.3049	164.3	1.097
#1	.1728	1.835	.0026	.0678	93.71	-.0000	.2865
#2	.1698	1.861	.0040	.0687	94.11	.0006	.2821

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58660.**	**11155.**	**1960.9**	**3901.0**
Stddev	583.	157.	9.4	15.1
%RSD	.99341	1.4089	.47948	.38835
#1	59072.	11044.	1967.6	3911.7
#2	58248.	11266.	1954.3	3890.2

Zoom In Zoom Out

Sample Name: jb69123-5 Acquired: 6/18/2014 22:14:59 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3444**	**.0053**	**.0018**	**.0642**	**.2029**	**.1270**	**2.233**	**.1945**	**-.0003**
Stddev	.0000	.0001	.0003	.0003	.0002	.0001	.015	.0002	.0008
%RSD	.0142	1.717	17.09	.4608	.0965	.1064	.6903	.1112	296.6
#1	.3444	.0053	.0016	.0640	.2028	.1271	2.244	.1947	.0003
#2	.3443	.0054	.0020	.0644	.2031	.1269	2.222	.1943	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2247**	**.4824**	**.0520**	**.0011**	**.2331**	**-.0002**	**-.0036**	**115.4**	**46.18**
Stddev	.0004	.0018	.0010	.0011	.0012	.0006	.0016	.1	.06
%RSD	.1995	.3714	1.877	102.3	.5119	295.3	45.29	.1277	.1251
#1	.2251	.4811	.0513	.0003	.2322	-.0007	-.0025	115.3	46.14
#2	.2244	.4836	.0527	.0018	.2339	.0002	-.0048	115.5	46.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.1**	**38.06**	**23.17**	**4.939**	**.1033**	**.0090**	**.0030**	**1.877**	**.0233**
Stddev	.3	.06	.09	.012	.0003	.0004	.0010	.016	.0005
%RSD	.1595	.1531	.3892	.2375	.2729	4.739	32.70	.8686	2.333
#1	181.9	38.02	23.11	4.930	.1031	.0087	.0023	1.866	.0229
#2	182.3	38.10	23.23	4.947	.1035	.0093	.0037	1.889	.0237

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3235**	**2.030**	**.0022**	**.0732**	**93.56**	**.0001**	**.2624**
Stddev	.0007	.003	.0001	.0001	.36	.0001	.0002
%RSD	.2177	.1447	6.508	.0999	.3799	133.7	.0900
#1	.3230	2.032	.0021	.0733	93.31	.0002	.2622
#2	.3240	2.028	.0024	.0732	93.81	.0000	.2625

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57760.**	**10947.**	**1879.7**	**3712.5**
Stddev	53.	18.	7.4	14.8
%RSD	.09172	.16305	.39496	.39899
#1	57722.	10960.	1884.9	3723.0
#2	57797.	10935.	1874.4	3702.0

Zoom In Zoom Out

Sample Name: jb69123-6 Acquired: 6/18/2014 22:20:59 Type: Unk
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2062**	**.0032**	**.0013**	**.0388**	**.1353**	**.0548**	**.9327**	**.1247**	**.0013**
Stddev	.0000	.0000	.0000	.0003	.0002	.0007	.0029	.0003	.0007
%RSD	.0175	.4539	3.733	.7701	.1802	1.315	.3156	.2148	53.37
#1	.2062	.0032	.0013	.0386	.1351	.0553	.9347	.1245	.0018
#2	.2062	.0032	.0012	.0390	.1354	.0543	.9306	.1249	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2387**	**.2534**	**.0312**	**.0034**	**.0938**	**.0047**	**-.0010**	**86.02**	**15.10**
Stddev	.0006	.0010	.0019	.0011	.0001	.0000	.0009	.00	.01
%RSD	.2350	.3755	5.994	32.98	.1102	.2422	88.15	.0038	.0761
#1	.2391	.2527	.0299	.0026	.0938	.0047	-.0004	86.02	15.10
#2	.2384	.2540	.0325	.0042	.0939	.0047	-.0016	86.02	15.11

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**114.4**	**23.75**	**17.60**	**10.08**	**.1524**	**.0547**	**.0058**	**3.098**	**.0152**
Stddev	.2	.02	.00	.01	.0011	.0002	.0016	.014	.0009
%RSD	.1382	.0778	.0140	.0712	.7369	.2935	28.11	.4490	5.628
#1	114.5	23.74	17.61	10.09	.1517	.0548	.0046	3.108	.0146
#2	114.3	23.77	17.60	10.08	.1532	.0546	.0069	3.089	.0158

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1806**	**1.498**	**.0025**	**.0376**	**106.9**	**-.0003**	**.2674**
Stddev	.0003	.003	.0001	.0001	.2	.0002	.0003
%RSD	.1699	.2037	4.881	.1537	.1574	55.88	.1157
#1	.1808	1.496	.0024	.0376	106.7	-.0002	.2672
#2	.1804	1.500	.0026	.0376	107.0	-.0005	.2676

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58276.**	**10951.**	**1904.6**	**3791.2**
Stddev	87.	26.	2.5	4.1
%RSD	.14971	.24005	.12972	.10931
#1	58214.	10970.	1906.4	3794.1
#2	58338.	10933.	1902.9	3788.3

Zoom In Zoom Out

Sample Name: jb68865-2a Acquired: 6/18/2014 22:27:00 Type: Unk
Method: Accutest1(v268) 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	**.5503**	**.0001**	**.0026**	**.0299**	**.0055**	**.0060**	**1.962**	**.0249**	**.0064**
Stddev	.0068	.0001	.0003	.0001	.0012	.0007	.064	.0006	.0009
%RSD	1.229	132.2	10.33	.3952	21.62	11.88	3.238	2.322	13.65
#1	.5551	.0000	.0028	.0298	.0063	.0065	2.007	.0245	.0057
#2	.5455	.0002	.0024	.0300	.0046	.0055	1.917	.0253	.0070

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.2630**	**.0052**	**.0011**	**.6194**	**.0057**	**.0009**	**.5054**	**308.1**
Stddev	.0004	.0013	.0028	.0002	.0015	.0030	.0007	.0076	2.8
%RSD	37.13	.5084	53.92	18.78	.2341	52.68	70.64	1.513	.9109
#1	.0007	.2621	.0032	.0012	.6184	.0078	.0005	.5109	310.1
#2	.0013	.2640	.0072	.0009	.6204	.0036	.0014	.5000	306.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.112**	**11.45**	**10.43**	**1123.**	**.4690**	**.0089**	**.0158**	**20.06**	**-.0027**
Stddev	.015	.08	.18	1.	.0001	.0002	.0008	.21	.0004
%RSD	1.342	.6842	1.732	.0459	.0269	2.047	5.228	1.053	15.68
#1	1.123	11.51	10.56	1123.	.4689	.0088	.0152	20.21	-.0024
#2	1.102	11.40	10.30	1123.	.4691	.0091	.0164	19.92	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4799**	**.0106**	**.0133**	**-.0012**	**19.67**	**-.0013**	**.0177**
Stddev	.0051	.0014	.0005	.0001	.07	.0004	.0007
%RSD	1.055	13.39	3.937	9.945	.3432	31.75	4.059
#1	.4835	.0116	.0137	-.0013	19.62	-.0016	.0182
#2	.4764	.0096	.0130	-.0012	19.72	-.0010	.0172

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**49969.**	**10403.**	**1680.6**	**3244.7**
Stddev	1178.	79.	1.1	1.1
%RSD	2.3569	.75534	.06508	.03390
#1	49136.	10348.	1681.3	3243.9
#2	50802.	10459.	1679.8	3245.5

Zoom In Zoom Out

Sample Name: jb69275-2a Acquired: 6/18/2014 22:33:10 Type: Unk
Method: Accutest1(v268) 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	**.3906**	**.0002**	**.1339**	**.0125**	**.0015**	**.0042**	**.8877**	**.0139**	**.0390**
Stddev	.0001	.0000	.0004	.0003	.0001	.0005	.0055	.0000	.0000
%RSD	.0242	6.047	.3209	2.657	5.755	12.72	.6203	.2270	.0510
#1	.3905	.0002	.1336	.0123	.0016	.0039	.8838	.0139	.0390
#2	.3907	.0002	.1343	.0127	.0015	.0046	.8916	.0139	.0390

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**19.43**	**.0021**	**.0055**	**34.23**	**.0047**	**.0034**	**.9043**	**453.0**
Stddev	.0003	.09	.0024	.0006	.14	.0039	.0032	.0125	.0
%RSD	80.38	.4445	114.4	11.17	.3949	81.37	96.23	1.383	.0058
#1	.0001	19.37	.0004	.0059	34.13	.0075	.0056	.9131	453.0
#2	.0005	19.49	.0038	.0050	34.32	.0020	.0011	.8954	453.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1516**	**9.944**	**9.199**	**1112.**	**.2674**	**-.0001**	**.0062**	**8.873**	**-.0008**
Stddev	.0016	.039	.031	1.	.0006	.0004	.0031	.047	.0008
%RSD	1.030	.3906	.3380	.0875	.2130	327.1	50.49	.5343	90.24
#1	.1505	9.971	9.221	1111.	.2670	.0002	.0040	8.839	-.0003
#2	.1527	9.916	9.177	1112.	.2678	-.0004	.0084	8.907	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.391**	**.0026**	**.0591**	**-.0011**	**205.8**	**-.0012**	**.0138**
Stddev	.001	.0003	.0030	.0003	.9	.0006	.0002
%RSD	.0494	13.16	5.018	24.97	.4526	54.98	1.443
#1	1.390	.0028	.0570	-.0009	205.1	-.0007	.0137
#2	1.391	.0023	.0611	-.0013	206.4	-.0016	.0140

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**50214.**	**10150.**	**1645.3**	**3205.6**
Stddev	264.	1.	6.5	13.0
%RSD	.52600	.01126	.39539	.40665
#1	50400.	10151.	1649.9	3214.8
#2	50027.	10150.	1640.7	3196.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 22:39:22 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.095**	**1.978**	**2.052**	**2.024**	**2.043**	**2.003**	**2.046**	**2.052**	**.2433**
Stddev	.002	.006	.012	.005	.001	.002	.009	.003	.0010
%RSD	.0780	.3094	.5644	.2631	.0358	.0815	.4617	.1542	.4223
#1	2.096	1.983	2.044	2.020	2.043	2.005	2.053	2.049	.2441
#2	2.094	1.974	2.060	2.028	2.042	2.002	2.039	2.054	.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	**2.046**	**2.053**	**2.026**	**2.108**	**2.054**	**2.029**	**2.055**	**40.21**	**38.91**
Stddev	.005	.007	.007	.001	.001	.009	.011	.06	.13
%RSD	.2710	.3359	.3290	.0522	.0421	.4673	.5305	.1370	.3288
#1	2.050	2.048	2.021	2.107	2.053	2.022	2.047	40.25	39.00
#2	2.042	2.058	2.031	2.109	2.054	2.035	2.062	40.17	38.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.22**	**36.85**	**41.29**	**41.68**	**2.080**	**2.090**	**2.031**	**5.192**	**2.088**
Stddev	.04	.02	.05	.01	.013	.013	.001	.035	.012
%RSD	.1137	.0638	.1154	.0152	.6311	.6254	.0523	.6649	.5722
#1	37.25	36.86	41.26	41.67	2.071	2.080	2.030	5.168	2.079
#2	37.19	36.83	41.33	41.68	2.089	2.099	2.031	5.217	2.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 22:39:22 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.082**	**2.035**	**2.031**	**2.034**	**2.032**	**2.072**	**2.082**
Stddev	.001	.003	.017	.005	.007	.015	.000
%RSD	.0594	.1281	.8146	.2706	.3496	.7038	.0137
#1	2.083	2.037	2.019	2.038	2.027	2.062	2.082
#2	2.081	2.033	2.043	2.030	2.037	2.083	2.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**55055.**	**10303.**	**1807.7**	**3662.7**
Stddev	76.	.	11.6	11.6
%RSD	.13799	.00049	.64082	.31642
#1	55001.	10303.	1815.9	3670.9
#2	55109.	10303.	1799.5	3654.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 22:45:16 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0001**	**.0002**	**-.0004**	**.0004**	**.0003**	**.0002**	**.0003**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0000	.0004	.0001
%RSD	17.14	1.177	39.53	9.339	34.14	15.39	.4901	216.6	43.90
#1	.0003	.0003	.0002	.0001	-.0005	.0005	.0003	.0005	.0004
#2	.0004	.0003	.0001	.0002	-.0003	.0004	.0003	-.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	**.0005**	**.0003**	**.0012**	**.0001**	**.0010**	**.0010**	**.0006**	**.0047**	**.0031**
Stddev	.0003	.0000	.0006	.0015	.0002	.0009	.0003	.0041	.0015
%RSD	55.45	2.126	46.97	1606.	18.67	92.05	45.59	86.78	47.29
#1	.0006	.0003	.0016	.0011	.0009	.0003	.0004	.0018	.0041
#2	.0003	.0003	.0008	-.0009	.0011	.0016	.0008	.0076	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076**	**-.0115**	**.0320**	**.1167**	**.0005**	**.0007**	**-.0001**	**.0047**	**.0003**
Stddev	.0001	.0049	.0047	.0047	.0001	.0003	.0010	.0001	.0002
%RSD	1.706	42.63	14.56	4.037	17.66	44.37	1013.	2.630	75.09
#1	.0077	-.0149	.0287	.1201	.0005	.0009	.0006	.0046	.0004
#2	.0075	-.0080	.0353	.1134	.0004	.0005	-.0008	.0047	.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: 6/18/2014 22:45:16 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(3)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0082**	**.0008**	**.0031**	**.0003**	**.0014**
Stddev	.0000	.0005	.0013	.0000	.0023	.0009	.0010
%RSD	2.030	133.6	16.23	3.850	74.73	331.0	71.21
#1	.0004	.0000	.0091	.0008	.0048	.0009	.0021
#2	.0004	.0007	.0072	.0008	.0015	-.0004	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58947.**	**10552.**	**1917.7**	**4161.9**
Stddev	26.	31.	8.9	13.9
%RSD	.04457	.29340	.46454	.33501
#1	58928.	10530.	1924.0	4171.7
#2	58966.	10574.	1911.4	4152.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/18/2014 22:51:28 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2136**	**.0020**	**.0035**	**.0519**	**.0106**	**.0109**	**.0162**	**.0104**	**.0052**
Stddev	.0007	.0001	.0001	.0002	.0002	.0004	.0001	.0003	.0001
%RSD	.3153	3.985	4.245	.3253	1.434	3.354	.3196	2.639	2.131
#1	.2141	.0020	.0034	.0520	.0107	.0112	.0163	.0102	.0053
#2	.2131	.0021	.0036	.0518	.0105	.0107	.0162	.0106	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0520**	**.0237**	**.0097**	**.0105**	**.0025**	F **.0159**	**.0054**	**.2005**	**4.830**
Stddev	.0000	.0002	.0012	.0006	.0014	.0006	.0011	.0031	.007
%RSD	.0169	.9215	12.59	5.367	56.01	3.963	20.92	1.523	.1521
#1	.0520	.0236	.0088	.0101	.0034	.0154	.0046	.2026	4.836
#2	.0520	.0239	.0105	.0109	.0015	.0163	.0062	.1983	4.825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0984**	**4.550**	**5.116**	**5.349**	**.1082**	**.0218**	**.0564**	**.2168**	**.0107**
Stddev	.0024	.041	.006	.009	.0004	.0004	.0007	.0003	.0006
%RSD	2.488	.8938	.1254	.1691	.3463	1.820	1.166	.1316	5.594
#1	.0966	4.579	5.121	5.356	.1079	.0215	.0569	.2170	.0112
#2	.1001	4.521	5.112	5.343	.1085	.0221	.0560	.2166	.0103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/18/2014 22:51:28 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0110**	**.0111**	**.0529**	**.0108**	**.0505**	**.0215**	**.0216**
Stddev	.0001	.0000	.0002	.0000	.0044	.0005	.0008
%RSD	.5147	.2751	.3841	.0066	8.719	2.144	3.801
#1	.0109	.0111	.0528	.0108	.0474	.0212	.0222
#2	.0110	.0111	.0531	.0108	.0536	.0218	.0211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58314.**	**10615.**	**1896.6**	**4057.8**
Stddev	98.	56.	11.0	25.5
%RSD	.16853	.52745	.58026	.62848
#1	58383.	10575.	1904.4	4075.8
#2	58244.	10654.	1888.8	4039.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/18/2014 22:57:36 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0008**	**.0009**	**.0029**	**.0015**	**.0020**	**.0031**	**.0044**
Stddev	.0001	.0000	.0000	.0000	.0002	.0005	.0000	.0001
%RSD	3.722	4.208	1.699	.2056	12.20	22.61	.1625	3.122
#1	.0041	.0008	.0009	.0029	.0017	.0023	.0031	.0043
#2	.0039	.0008	.0009	.0029	.0014	.0017	.0031	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0005**	**.0016**	**.0120**	**.0038**	**.0017**	**.0027**	**.0060**	**.0024**
Stddev	.0002	.0003	.0000	.0007	.0004	.0000	.0021	.0004
%RSD	35.23	18.75	.3295	19.35	24.47	.4204	34.34	18.30
#1	.0004	.0014	.0120	.0043	.0020	.0027	.0074	.0028
#2	.0007	.0018	.0121	.0033	.0014	.0027	.0045	.0021
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	**.1008**	**.9728**	**-.0019**	**.0863**	**2.052**	**1.117**	**.0100**	**-.0001**
Stddev	.0036	.0344	.0035	.0090	.067	.035	.0002	.0000
%RSD	3.525	3.536	180.7	10.47	3.283	3.128	1.942	53.56
#1	.1033	.9971	.0005	.0799	2.099	1.141	.0098	-.0001
#2	.0983	.9484	-.0044	.0927	2.004	1.092	.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: 6/18/2014 22:57:36 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0004**	**-.0001**	**-.0000**	**-.0001**	F **-.0008**	F **-.0000**	F **.0012**
Stddev	.0008	.0012	.0002	.0000	.0000	.0007	.0001	.0020
%RSD	141.6	283.9	328.3	79.25	34.32	79.60	141.4	164.3
#1	-.0000	.0004	.0001	-.0000	-.0001	-.0004	-.0001	-.0002
#2	.0011	-.0012	-.0002	-.0000	-.0000	-.0013	.0000	.0026
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0006**	F **-.0003**
Stddev	.0002	.0001
%RSD	30.46	24.55
#1	-.0005	-.0003
#2	-.0008	-.0002
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59910.**	**10741.**	**1964.6**	**4244.6**
Stddev	88.	296.	3.4	10.8
%RSD	.14760	2.7540	.17052	.25521
#1	59848.	10532.	1962.2	4236.9
#2	59973.	10950.	1967.0	4252.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/18/2014 23:03:48 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0001**	**-.0001**	**-.0001**	**-.0003**	**-.0001**	**-.0001**	**.0000**	**-.0001**
Stddev	.0000	.0000	.0000	.0001	.0001	.0001	.0000	.0001	.0003
%RSD	26.61	38.72	60.19	49.65	33.23	97.14	69.43	257.9	493.0
#1	-.0001	-.0001	-.0000	-.0002	-.0003	-.0001	-.0000	.0001	.0001
#2	-.0002	-.0001	-.0001	-.0001	-.0004	-.0000	-.0001	-.0000	-.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0004**	**.0203**	**-.0008**	**.0222**	**.0220**	**.0199**	**.4951**	**-.0063**
Stddev	.0003	.0001	.0001	.0013	.0004	.0001	.0008	.0042	.0022
%RSD	69.47	24.75	.6718	163.2	1.590	.6396	3.904	.8555	35.28
#1	-.0002	.0005	.0204	.0001	.0225	.0219	.0204	.4921	-.0048
#2	-.0006	.0003	.0202	-.0017	.0220	.0221	.0193	.4981	-.0079
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	**.4805**	**-.0164**	**-.0075**	**.0471**	**-.0001**	**-.0002**	**-.0010**	**.0000**	**-.0007**
Stddev	.0033	.0035	.0146	.0012	.0004	.0001	.0002	.0002	.0002
%RSD	.6774	21.57	195.6	2.596	270.7	52.16	17.29	1281.	20.80
#1	.4828	-.0139	.0029	.0463	.0001	-.0001	-.0009	.0002	-.0008
#2	.4782	-.0189	-.0178	.0480	-.0004	-.0002	-.0011	-.0001	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/18/2014 23:03:48 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0002**	**-.0018**	**.0001**	**.0020**	**.0004**	**-.0000**
Stddev	.0000	.0004	.0003	.0000	.0005	.0003	.0003
%RSD	101.1	216.4	13.97	28.33	26.09	56.58	7143.
#1	-.0000	.0001	-.0017	.0001	.0023	.0003	.0002
#2	-.0000	-.0005	-.0020	.0001	.0016	.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	**60149.**	**10636.**	**1935.4**	**4195.4**
Stddev	165.	113.	25.9	45.5
%RSD	.27362	1.0588	1.3396	1.0843
#1	60266.	10556.	1953.8	4227.6
#2	60033.	10715.	1917.1	4163.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/18/2014 23:09:58 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0001**	**.0010**	**.0005**	**.0013**	**-.0067**	**-.0013**	**-.0007**	**-.0041**
Stddev	.0001	.0000	.0004	.0001	.0002	.0002	.0001	.0004	.0001
%RSD	3.723	.6754	38.35	18.59	16.12	2.754	9.740	53.60	2.365
#1	-.0015	-.0001	.0007	.0005	.0011	-.0068	-.0012	-.0004	-.0041
#2	-.0014	-.0001	.0013	.0006	.0014	-.0065	-.0014	-.0009	-.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0006**	**-.0050**	**-.0024**	**.0044**	**-.0017**	**.0052**	**518.6**	**368.8**
Stddev	.0003	.0001	.0019	.0010	.0011	.0045	.0013	.6	1.3
%RSD	34.07	23.60	39.14	41.17	24.22	259.3	23.93	.1160	.3631
#1	.0011	.0007	-.0063	-.0017	.0052	-.0049	.0044	519.0	369.8
#2	.0007	.0005	-.0036	-.0031	.0037	.0015	.0061	518.2	367.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.1**	**482.8**	**.2166**	**.1419**	**.0000**	**-.0018**	**-.0014**	**-.0058**	**-.0032**
Stddev	.3	1.2	.0166	.0069	.0027	.0001	.0011	.0001	.0013
%RSD	.2026	.2382	7.672	4.879	9936.	4.149	77.16	.9483	39.76
#1	171.3	483.6	.2049	.1370	-.0019	-.0017	-.0007	-.0058	-.0041
#2	170.9	481.9	.2284	.1468	.0019	-.0018	-.0022	-.0057	-.0023
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: 6/18/2014 23:09:58 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0038**	**.0007**	**.0011**	**-.0004**	**-.0348**	**-.0102**	**.0045**
Stddev	.0000	.0001	.0021	.0001	.0072	.0007	.0004
%RSD	.0570	14.33	191.6	17.71	20.58	6.419	9.181
#1	-.0038	.0006	.0026	-.0003	-.0399	-.0107	.0048
#2	-.0038	.0008	-.0004	-.0004	-.0298	-.0098	.0042
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	**50116.**	**9849.1**	**1653.9**	**3183.5**
Stddev	94.	45.2	1.8	3.7
%RSD	.18685	.45846	.10784	.11759
#1	50182.	9817.2	1652.6	3180.8
#2	50050.	9881.0	1655.1	3186.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/18/2014 23:16:04 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5139**	**.4736**	**1.028**	**.4850**	**.4807**	**.5020**	**.4759**	**.9608**	**.9750**
Stddev	.0001	.0010	.006	.0003	.0020	.0001	.0010	.0017	.0013
%RSD	.0108	.2216	.6032	.0626	.4069	.0142	.2002	.1726	.1380
#1	.5139	.4728	1.032	.4848	.4793	.5021	.4752	.9620	.9760
#2	.5140	.4743	1.024	.4852	.4821	.5020	.4766	.9597	.9741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4539**	**.9450**	**1.025**	**.9681**	**.9573**	**.9886**	**1.045**	**510.8**	**365.9**
Stddev	.0014	.0019	.006	.0023	.0023	.0007	.001	.3	.3
%RSD	.3159	.2043	.6131	.2408	.2390	.0723	.1002	.0607	.0739
#1	.4529	.9464	1.029	.9697	.9589	.9881	1.046	510.6	365.7
#2	.4549	.9437	1.021	.9664	.9556	.9892	1.044	511.1	366.1
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	**173.4**	**480.0**	**.1663**	**.0797**	**.0011**	**.4989**	**.5347**	**-.0006**	**-.0020**
Stddev	.2	1.0	.0024	.0002	.0003	.0030	.0002	.0013	.0001
%RSD	.1433	.2009	1.422	.1889	23.75	.5987	.0436	222.9	4.728
#1	173.2	479.3	.1680	.0796	.0009	.5011	.5349	.0003	-.0021
#2	173.6	480.6	.1646	.0798	.0013	.4968	.5346	-.0015	-.0020
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/18/2014 23:16:04 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0038**	**.0012**	**.5165**	**.5080**	**.4626**	**.5005**	**.5365**
Stddev	.0000	.0004	.0009	.0001	.0008	.0007	.0003
%RSD	.2301	33.35	.1669	.0142	.1777	.1358	.0474
#1	-.0038	.0009	.5159	.5079	.4620	.5010	.5364
#2	-.0038	.0014	.5171	.5080	.4632	.5000	.5367
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**50169.**	**9835.1**	**1637.9**	**3160.9**
Stddev	48.	19.5	9.3	15.1
%RSD	.09506	.19781	.56507	.47619
#1	50202.	9848.8	1631.4	3150.3
#2	50135.	9821.3	1644.5	3171.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 23:22:01 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.182**	**2.053**	**2.063**	**2.040**	**2.057**	**2.003**	**2.063**	**2.064**	**.2451**
Stddev	.206	.192	.008	.010	.005	.003	.005	.011	.0032
%RSD	9.430	9.327	.3936	.4998	.2412	.1603	.2505	.5338	1.311
#1	2.036	1.918	2.057	2.033	2.054	2.001	2.060	2.056	.2429
#2	2.327	2.189	2.068	2.048	2.061	2.006	2.067	2.072	.2474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.074**	**2.040**	**2.125**	**2.068**	**2.039**	**2.063**	**41.91**	**40.36**
Stddev	.003	.013	.012	.011	.003	.002	.007	4.04	3.81
%RSD	.1542	.6443	.6030	.4997	.1557	.1181	.3201	9.646	9.434
#1	2.056	2.064	2.032	2.118	2.066	2.038	2.058	39.05	37.66
#2	2.061	2.083	2.049	2.133	2.070	2.041	2.068	44.77	43.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.67**	**38.22**	**42.96**	F **44.12**	**2.087**	**2.105**	**2.033**	**5.198**	**2.104**
Stddev	3.69	3.62	3.85	4.05	.009	.012	.001	.023	.012
%RSD	9.537	9.480	8.961	9.173	.4562	.5678	.0623	.4488	.5905
#1	36.06	35.66	40.24	41.26	2.080	2.096	2.034	5.182	2.095
#2	41.28	40.79	45.68	46.98	2.094	2.113	2.032	5.215	2.112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				40.00					
Range				10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/18/2014 23:22:01 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.172**	**2.043**	**2.048**	**2.041**	**2.037**	**2.080**	**2.166**
Stddev	.204	.005	.017	.001	.005	.010	.201
%RSD	9.395	.2717	.8178	.0364	.2348	.4732	9.280
#1	2.028	2.039	2.036	2.041	2.033	2.073	2.024
#2	2.316	2.047	2.060	2.042	2.040	2.087	2.308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**54992.**	**9987.3**	**1808.3**	**3657.6**
Stddev	289.	808.9	6.7	15.2
%RSD	.52583	8.0991	.37191	.41636
#1	55196.	10559.	1813.1	3668.3
#2	54787.	9415.3	1803.6	3646.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/18/2014 23:27:55 Type: QC
Method: Accutest1(v268) 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**	**.0003**	**.0003**	**.0003**	**-.0002**	**.0006**	**.0003**	**.0002**
Stddev	.0000	.0001	.0001	.0002	.0003	.0003	.0000	.0000
%RSD	26.68	35.59	34.08	84.13	181.6	61.37	1.394	15.41
#1	.0001	.0003	.0004	.0001	-.0004	.0003	.0003	.0003
#2	.0002	.0002	.0002	.0004	.0001	.0008	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0003**	**.0003**	**.0009**	**-.0008**	**.0018**	**.0014**	**.0007**
Stddev	.0006	.0003	.0000	.0001	.0020	.0008	.0024	.0003
%RSD	111.6	91.84	4.107	12.18	238.7	43.68	168.9	49.25
#1	-.0001	.0006	.0003	.0010	.0006	.0012	-.0003	.0009
#2	-.0010	.0001	.0003	.0008	-.0023	.0024	.0031	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0192**	**.0120**	W **.0107**	**.0024**	**-.0154**	**.0497**	**.0000**	**.0006**
Stddev	.0007	.0027	.0017	.0121	.0226	.0032	.0002	.0000
%RSD	3.698	22.68	15.73	494.2	146.6	6.411	668.3	6.673
#1	.0187	.0139	.0095	.0110	-.0313	.0520	.0002	.0007
#2	.0197	.0100	.0119	-.0061	.0006	.0475	-.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In
Zoom Out

Sample Name: ccb Acquired: 6/18/2014 23:27:55 Type: QC
Method: Accutest1(v268) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**-.0002**	**.0003**	**.0011**	**.0088**	**.0008**	**.0023**
Stddev	.0001	.0002	.0003	.0001	.0002	.0011	.0002	.0015
%RSD	118.7	70.32	217.9	16.04	23.03	12.13	21.50	65.76
#1	.0000	.0004	-.0004	.0004	.0009	.0095	.0009	.0012
#2	.0002	.0001	.0001	.0003	.0013	.0080	.0006	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0010**	**.0003**
Stddev	.0003	.0000
%RSD	33.87	7.204
#1	.0012	.0003
#2	.0008	.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	**58751.**	**10347.**	**1908.2**	**4146.6**
Stddev	175.	329.	5.2	12.7
%RSD	.29710	3.1794	.27048	.30691
#1	58875.	10114.	1911.9	4155.6
#2	58628.	10579.	1904.6	4137.6

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.002000	0.000000	No
Be 313.042 {108}	☒	12	V	0.000200	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.011250	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	-0.000095	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000858	0.000000	No
			Zr	-0.000330	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	0.000008	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000002	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	0.000006	0.000000	No
			Ca	0.000007	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	9	Fe	-0.000034	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000005	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
			Cr	-0.000110	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000278	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	-0.000030	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Se	0.000286	0.000000	No
			Al	-0.000003	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	-0.000400	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	-0.000986	0.000000	No
			Fe	-0.000625	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	-0.000176	0.000000	No
			Zr	0.005200	0.000000	No
			W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
			Mo	-0.011200	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.002120	0.000000	No
			Mn	-0.000513	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
			Mo	0.000444	0.000000	No
			Fe	0.000009	0.000000	No
			Al	0.000006	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	0.000108	0.000000	No
			Na	0.000003	0.000000	No
			Ca	-0.000008	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000456	0.000000	No
			As	0.000200	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000280	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
			Mn	0.000400	0.000000	No
As 189.042 {478}	☒	24	Al	0.000006	0.000000	No
			Fe	-0.000024	0.000000	No
			Ca	-0.000008	0.000000	No
			Mn	-0.000205	0.000000	No
			Mo	0.002030	0.000000	No
			Cr	0.001000	0.000000	No
			V	-0.000094	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	-0.000370	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000100	0.000000	No
			Sr	-0.000300	0.000000	No
			Pd	0.025000	0.000000	No
			Zr	-0.001900	0.000000	No
			Ti	-0.000100	0.000000	No
			S	0.000008	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000450	0.000000	No
			Mo	-0.009520	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000114	0.000000	No
			V	-0.021000	0.000000	No
			Mn	0.001290	0.000000	No
			Si	-0.000073	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.002190	0.000000	No
			Mg	-0.000004	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	-0.000730	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	-0.000021	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	-0.000099	0.000000	No
				Fe	0.000046	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.000520	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	0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000145	0.000000	No
				Co	0.000055	0.000000	No
				V	0.000470	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	-0.000429	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	0.000200	0.000000	No
			W	0.000000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000025	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.013700	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.009000	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}	6/19/2014 8:15:39	6/18/2014 14:02:43	Linear	1/Conc	0.003690	2.633539	0.000000	1.000000
Be 313.042 {108}	6/19/2014 8:15:39	6/18/2014 14:02:43	Linear	1/Conc	0.000449	1.894689	0.000000	1.000000
Cd 228.802 {448}	6/19/2014 8:15:39	6/18/2014 14:02:43	Linear	1/Conc	0.000656	1.044214	0.000000	1.000000
Co 228.616 {448}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000005	0.519813	0.000000	1.000000
Cr 267.716 {126}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000040	0.081527	0.000000	1.000000
Cu 324.754 {104}2	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.002303	0.222381	0.000000	1.000000
Mn 257.610 {131}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000024	0.450787	0.000000	1.000000
Ni 231.604 {446}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000041	0.372820	0.000000	1.000000
Ag 328.068 {103}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000128	0.121691	0.000000	1.000000
V 292.402 {115}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000045	0.107879	0.000000	1.000000
Zn 206.200 {464}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000399	0.934772	0.000000	1.000000
As 189.042 {478}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000332	0.105233	0.000000	1.000000
Tl 190.856 {477}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000044	0.053435	0.000000	1.000000
Pb 220.353 {453}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000024	0.149271	0.000000	1.000000
Se 196.090 {472}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000291	0.082009	0.000000	1.000000
Sb 206.833 {463}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000105	0.201654	0.000000	1.000000
Al 396.152 { 85}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000313	0.041462	0.000000	1.000000
Ca 317.933 {106}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.005788	0.043523	0.000000	1.000000
Fe 259.940 {130}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000139	0.034995	0.000000	1.000000
Mg 279.079 {121}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000007	0.004365	0.000000	1.000000
K 766.490 { 44}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.001046	0.056259	0.000000	1.000000
Na 589.592 { 57}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000853	0.185731	0.000000	1.000000
B 208.959 {462}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000524	0.255120	0.000000	1.000000
Mo 202.030 {467}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000321	0.863230	0.000000	1.000000
Pd 340.458 { 99}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000168	0.044134	0.000000	1.000000
Si 212.412 {459}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.004497	0.275349	0.000000	1.000000
Sn 189.989 {478}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.000132	0.161685	0.000000	1.000000
Sr 407.771 { 83}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000467	5.050193	0.000000	1.000000
Ti 334.904 {101}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000116	0.117295	0.000000	1.000000
Y 360.073 { 94}*	6/19/2014 8:15:39	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/19/2014 8:15:39	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/19/2014 8:15:39	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/19/2014 8:15:39	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.002140	0.392055	0.000000	1.000000
Zr 339.198 { 99}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000116	0.276373	0.000000	1.000000
S 182.034 {485}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	0.001788	0.052515	0.000000	1.000000
Bi 223.061 {451}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.000505	0.269097	0.000000	1.000000
Li 670.784 { 50}	6/19/2014 8:15:39	6/18/2014 14:02:44	Linear	1/Conc	-0.001261	1.334659	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	0.000179	0.000596	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000085	0.000283	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000187	0.000625	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000271	0.000903	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000502	0.001673	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000417	0.001390	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000081	0.000269	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000327	0.001091	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000636	0.002120	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000437	0.001456	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000192	0.000639	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001349	0.004495	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001434	0.004781	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001195	0.003984	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002239	0.007464	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001171	0.003905	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.009072	0.030240	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004173	0.013911	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002986	0.009954	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.028508	0.095028	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.020917	0.069722	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005482	0.018272	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000645	0.002150	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000239	0.000796	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001582	0.005272	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000852	0.002841	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000881	0.002937	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000071	0.000236	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000595	0.001984	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	0.001018	0.003394	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000243	0.000810	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002977	0.009923	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001105	0.003684	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000814	0.002712	OK.	1.000000	0.000000	1	0

Sample Name: STDA Acquired: 6/19/2014 10:03:47 Type: Cal
Method: Accutest1(v273) 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	**.0036**	**.0002**	**.0004**	**-.0000**	**-.0000**	**.0023**	**-.0000**	**.0000**	**-.0001**
Stddev	.0001	.0001	.0000	.0000	.0000	.0000	.0000	.0001	.0001
%RSD	4.037	54.22	4.038	114.4	2080.	.6639	128.1	768.2	85.53
#1	.0035	.0002	.0005	-.0001	.0000	.0023	-.0000	-.0001	-.0000
#2	.0037	.0001	.0004	-.0000	-.0000	.0023	-.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**	**.0003**	**-.0001**	**-.0001**	**.0002**	**.0005**	**-.0003**	**.0001**	**.0029**
Stddev	.0000	.0000	.0000	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	47.39	10.54	15.78	192.0	20.23	25.93	15.61	130.1	4.883
#1	.0000	.0003	-.0001	-.0001	.0002	.0006	-.0003	.0000	.0030
#2	.0000	.0003	-.0002	.0000	.0002	.0004	-.0003	.0001	.0028

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**-.0013**	**.0054**	**.0006**	**.0004**	**-.0002**	**.0038**	**.0002**
Stddev	.0000	.0000	.0011	.0006	.0002	.0001	.0000	.0001	.0000
%RSD	8.518	20.95	83.96	10.70	25.91	28.36	1.049	3.001	16.31
#1	.0000	-.0001	-.0020	.0058	.0007	.0003	-.0002	.0037	.0002
#2	.0000	-.0001	-.0005	.0049	.0005	.0005	-.0002	.0039	.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	**-.0008**	**-.0002**	**.0038**	**-.0001**	**.0016**	**-.0006**	**.0001**
Stddev	.0000	.0000	.0006	.0001	.0000	.0000	.0010
%RSD	5.793	6.925	14.39	99.35	.3563	5.582	1467.
#1	-.0008	-.0003	.0042	-.0000	.0016	-.0006	.0008
#2	-.0008	-.0002	.0034	-.0001	.0016	-.0006	-.0007

Sample Name: STDA Acquired: 6/19/2014 10:03:47 Type: Cal
Method: Accutest1(v273) 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	61550.	9072.5	1983.2	4323.9
Stddev	745.	120.4	13.3	28.6
%RSD	1.2104	1.3275	.66833	.66256
#1	62076.	8987.3	1992.6	4344.1
#2	61023.	9157.6	1973.9	4303.6

Sample Name: STDB Acquired: 6/19/2014 10:09:55 Type: Cal
Method: Accutest1(v273) 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	**10.81**	**6.594**	**4.068**	**1.991**	**.3094**	**.8592**	**1.699**	**1.418**	**.0531**
Stddev	.01	.002	.014	.006	.0005	.0037	.004	.006	.0001
%RSD	.1187	.0246	.3489	.3035	.1582	.4346	.2044	.3944	.1751
#1	10.80	6.593	4.058	1.987	.3091	.8566	1.696	1.414	.0530
#2	10.82	6.595	4.078	1.996	.3098	.8619	1.701	1.422	.0532

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	**.4146**	**3.548**	**.4132**	**.1984**	**.5727**	**.3115**	**.7788**	**3.242**	**3.239**
Stddev	.0009	.009	.0024	.0002	.0020	.0008	.0022	.005	.000
%RSD	.2060	.2481	.5820	.1193	.3528	.2452	.2804	.1405	.0118
#1	.4140	3.542	.4115	.1982	.5713	.3110	.7772	3.239	3.239
#2	.4152	3.555	.4149	.1986	.5741	.3121	.7803	3.245	3.239

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.221**	**.2853**	**5.139**	**16.80**	**1.009**	**3.119**	**.1648**	**2.764**	**.6108**
Stddev	.001	.0005	.001	.00	.004	.013	.0006	.009	.0032
%RSD	.0253	.1618	.0163	.0269	.3808	.4203	.3552	.3105	.5257
#1	2.221	.2849	5.138	16.80	1.006	3.110	.1644	2.757	.6085
#2	2.222	.2856	5.139	16.81	1.011	3.128	.1652	2.770	.6131

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	**20.02**	**.4059**	**1.357**	**1.086**	**.2084**	**1.060**	**5.402**
Stddev	.00	.0011	.010	.003	.0006	.003	.002
%RSD	.0171	.2691	.7692	.2621	.3013	.2761	.0377
#1	20.02	.4051	1.349	1.084	.2080	1.058	5.400
#2	20.02	.4066	1.364	1.088	.2089	1.062	5.403

Sample Name: STDB Acquired: 6/19/2014 10:09:55 Type: Cal
Method: Accutest1(v273) 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	**54858.**	**9231.6**	**1796.0**	**3591.3**
Stddev	57.	1.1	5.3	11.3
%RSD	.10311	.01170	.29372	.31456
#1	54898.	9232.3	1799.7	3599.3
#2	54818.	9230.8	1792.3	3583.3

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/19/2014 10:15:46 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**2.075**	**2.043**	**2.042**	**2.080**	**1.999**	**2.097**	**2.075**	**.2446**
Stddev	.010	.011	.004	.001	.005	.001	.008	.002	.0007
%RSD	.4652	.5195	.1928	.0355	.2298	.0555	.3926	.0905	.2845
#1	2.066	2.083	2.040	2.041	2.083	2.000	2.103	2.074	.2451
#2	2.052	2.067	2.046	2.042	2.076	1.999	2.092	2.077	.2441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.082**	**2.026**	**2.118**	**2.088**	**2.033**	**2.037**	**40.26**	**41.02**
Stddev	.002	.001	.001	.003	.002	.002	.003	.14	.03
%RSD	.1064	.0417	.0304	.1275	.0957	.0808	.1274	.3411	.0657
#1	2.037	2.082	2.027	2.116	2.089	2.031	2.035	40.36	41.04
#2	2.034	2.081	2.026	2.120	2.087	2.034	2.039	40.17	41.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.25**	**40.15**	**40.00**	**40.27**	**2.071**	**2.081**	**2.029**	**5.068**	**2.098**
Stddev	.07	.21	.11	.16	.002	.001	.005	.010	.001
%RSD	.1803	.5270	.2870	.3898	.1101	.0376	.2706	.2010	.0647
#1	41.31	40.30	40.08	40.38	2.070	2.080	2.025	5.060	2.097
#2	41.20	40.00	39.92	40.16	2.073	2.081	2.033	5.075	2.098
Check ?	Chk Pass	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: 6/19/2014 10:15:46 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.044**	**2.046**	**2.039**	**2.007**	**2.023**	**1.993**
Stddev	.008	.004	.006	.001	.001	.002	.012
%RSD	.3756	.2155	.2716	.0584	.0507	.0889	.6240
#1	2.069	2.047	2.042	2.040	2.007	2.022	2.002
#2	2.058	2.040	2.050	2.038	2.008	2.025	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56885.**	**9321.3**	**1863.8**	**3771.5**
Stddev	38.	14.3	1.4	3.8
%RSD	.06759	.15347	.07771	.09962
#1	56858.	9311.2	1864.8	3774.2
#2	56912.	9331.5	1862.8	3768.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/19/2014 10:21:41 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**-.0000**	**.0001**	**.0002**	**-.0002**
Stddev	.0001	.0000	.0001	.0000	.0003	.0001	.0000	.0000	.0001
%RSD	41.26	1.705	66.05	35.81	79.31	1800.	24.30	7.789	41.06
#1	.0002	.0001	.0001	.0001	.0007	-.0001	.0001	.0002	-.0002
#2	.0001	.0001	.0003	.0001	.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	**.0002**	**-.0001**	**.0002**	**-.0001**	**-.0008**	**-.0005**	**.0006**	**.0015**	**-.0014**
Stddev	.0004	.0001	.0003	.0012	.0002	.0012	.0006	.0025	.0019
%RSD	257.9	211.1	173.2	1061.	27.98	246.4	105.1	165.7	142.4
#1	.0004	.0000	.0004	-.0009	-.0007	.0004	.0011	-.0003	-.0027
#2	-.0001	-.0001	-.0000	.0007	-.0010	-.0013	.0002	.0032	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0500**	**.0222**	**.0075**	**.0010**	**.0007**	**.0005**	**.0004**	**.0005**
Stddev	.0056	.0065	.0013	.0012	.0005	.0002	.0011	.0005	.0008
%RSD	1493.	12.96	5.912	15.99	48.13	27.54	243.3	121.3	161.3
#1	.0036	.0546	.0232	.0084	.0013	.0008	.0013	.0008	-.0001
#2	-.0044	.0454	.0213	.0067	.0006	.0005	-.0003	.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									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/19/2014 10:21:41 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0108**	**.0002**	**-.0008**	**.0008**	**.0000**
Stddev	.0001	.0001	.0003	.0001	.0020	.0007	.0004
%RSD	130.2	31.82	3.077	23.18	243.7	93.07	8637.
#1	.0001	.0003	.0111	.0003	.0006	.0013	-.0003
#2	.0000	.0005	.0106	.0002	-.0023	.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	**61752.**	**9608.8**	**1994.3**	**4345.4**
Stddev	156.	24.9	1.8	1.7
%RSD	.25244	.25916	.08852	.03951
#1	61642.	9626.4	1993.0	4346.6
#2	61863.	9591.2	1995.5	4344.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/19/2014 10:27:52 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2092**	**.0022**	**.0033**	**.0502**	**.0114**	**.0103**	**.0162**	**.0102**	**.0046**
Stddev	.0014	.0000	.0000	.0004	.0002	.0001	.0001	.0000	.0000
%RSD	.6825	.6251	.9017	.7160	1.495	.6557	.6230	.2092	.3986
#1	.2102	.0022	.0033	.0505	.0115	.0103	.0161	.0102	.0046
#2	.2082	.0022	.0033	.0500	.0113	.0104	.0163	.0102	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0506**	**.0232**	**.0087**	**.0115**	**.0022**	**.0143**	**.0066**	**.2036**	**5.063**
Stddev	.0001	.0003	.0000	.0005	.0001	.0002	.0004	.0075	.023
%RSD	.2580	1.411	.2715	4.546	2.826	1.381	5.634	3.694	.4573
#1	.0505	.0234	.0087	.0111	.0023	.0142	.0063	.2089	5.079
#2	.0507	.0229	.0087	.0119	.0022	.0144	.0069	.1982	5.046

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1082**	**4.995**	**4.927**	**5.008**	**.1047**	**.0212**	**.0558**	**.2026**	**.0102**
Stddev	.0045	.020	.010	.022	.0014	.0003	.0000	.0039	.0003
%RSD	4.192	.4038	.1984	.4375	1.308	1.383	.0015	1.926	3.176
#1	.1114	4.981	4.934	5.023	.1057	.0214	.0558	.2053	.0104
#2	.1050	5.009	4.920	4.992	.1038	.0210	.0558	.1998	.0100

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0108**	**.0106**	**.0523**	**.0099**	**.0456**	**.0214**	**.0201**
Stddev	.0001	.0000	.0009	.0002	.0020	.0001	.0005
%RSD	1.022	.1974	1.734	2.430	4.305	.4648	2.624
#1	.0109	.0106	.0529	.0101	.0470	.0215	.0197
#2	.0107	.0106	.0516	.0098	.0442	.0214	.0205

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60793.**	**9468.1**	**1986.6**	**4264.4**
Stddev	375.	32.8	19.5	45.4
%RSD	.61764	.34677	.98302	1.0636
#1	61059.	9444.9	1972.8	4232.3
#2	60528.	9491.3	2000.4	4296.5

Zoom In Zoom Out

Sample Name: icv Acquired: 6/19/2014 10:37:52 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.037**	**1.999**	**1.978**	**2.032**	**1.939**	**2.026**	**2.031**	**.2392**
Stddev	.005	.009	.008	.009	.010	.001	.007	.008	.0004
%RSD	.2520	.4659	.3846	.4500	.4974	.0268	.3725	.4101	.1694
#1	2.031	2.038	1.992	1.969	2.039	1.940	2.028	2.022	.2396
#2	2.024	2.046	2.007	1.986	2.036	1.939	2.033	2.038	.2392
#3	2.021	2.027	1.999	1.979	2.020	1.939	2.018	2.033	.2388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.857**	**2.047**	**2.015**	**2.075**	**2.042**	**1.989**	**1.982**	**39.20**	**40.52**
Stddev	.007	.011	.010	.010	.009	.007	.010	.12	.20
%RSD	.3793	.5448	.5038	.4702	.4211	.3341	.4880	.2980	.4840
#1	1.862	2.035	2.005	2.063	2.032	1.988	1.973	39.32	40.55
#2	1.860	2.057	2.025	2.079	2.048	1.996	1.992	39.20	40.69
#3	1.849	2.049	2.014	2.081	2.045	1.983	1.980	39.08	40.31
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000								
Range	-5.000%								

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.88**	**40.03**	**40.25**	**39.93**	**2.064**	**1.966**	**1.975**	**4.988**	**2.038**
Stddev	.21	.40	.10	.10	.007	.009	.006	.017	.010
%RSD	.5146	.9877	.2590	.2511	.3335	.4504	.3027	.3494	.5023
#1	40.97	40.26	40.25	39.99	2.057	1.958	1.980	4.973	2.027
#2	41.03	40.26	40.35	39.97	2.071	1.976	1.976	5.007	2.048
#3	40.64	39.57	40.14	39.81	2.064	1.966	1.968	4.984	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/19/2014 10:37:52 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.020**	**2.057**	**2.007**	F **1.898**	**1.938**	**2.068**
Stddev	.004	.005	.010	.002	.007	.007	.005
%RSD	.2126	.2738	.4773	.1012	.3689	.3796	.2550
#1	2.048	2.019	2.046	2.007	1.891	1.932	2.071
#2	2.045	2.026	2.065	2.008	1.905	1.946	2.071
#3	2.040	2.015	2.060	2.005	1.898	1.936	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					2.000		
Range					-5.000%		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57385.**	**9347.8**	**1870.6**	**3787.0**
Stddev	86.	37.9	5.9	9.8
%RSD	.15001	.40510	.31351	.25814
#1	57405.	9324.5	1874.0	3794.0
#2	57291.	9327.4	1863.9	3775.8
#3	57459.	9391.5	1874.0	3791.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/19/2014 10:51:48 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0002**	**.0002**	**-.0000**	**.0003**	**.0002**	**.0001**	**.0002**	**-.0001**
Stddev	.0000	.0000	.0001	.0000	.0001	.0002	.0000	.0001	.0000
%RSD	794.9	22.72	34.27	61.96	17.35	102.6	22.05	52.34	17.97
#1	-.0000	.0002	.0002	-.0000	.0003	.0001	.0001	.0002	-.0001
#2	.0000	.0001	.0003	-.0000	.0004	.0004	.0001	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0000**	**.0002**	**-.0006**	**.0009**	**.0006**	**.0024**	**.0021**
Stddev	.0002	.0000	.0007	.0006	.0009	.0004	.0006	.0092	.0006
%RSD	242.5	13.85	4112.	343.6	144.3	41.30	106.7	377.8	26.60
#1	-.0002	.0002	.0005	.0006	.0000	.0011	.0010	-.0041	.0025
#2	.0001	.0001	-.0005	-.0003	-.0012	.0006	.0001	.0090	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0077**	**.0351**	**-.0021**	**.0004**	**-.0000**	**-.0001**	**-.0001**	**-.0005**
Stddev	.0070	.0128	.0100	.0008	.0006	.0001	.0008	.0012	.0010
%RSD	440.3	167.0	28.49	36.17	153.3	431.3	737.8	1482.	218.9
#1	.0034	-.0014	.0280	-.0016	.0008	-.0001	-.0007	.0008	-.0012
#2	-.0066	.0167	.0422	-.0026	-.0000	.0000	.0005	-.0009	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: icb Acquired: 6/19/2014 10:51:48 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0002**	**-.0002**	**-.0004**	**.0003**	**.0002**
Stddev	.0000	.0005	.0007	.0001	.0015	.0007	.0004
%RSD	22.60	2093.	430.1	51.00	369.5	222.0	249.3
#1	.0001	-.0003	-.0004	-.0002	-.0015	.0009	.0004
#2	.0001	.0004	.0007	-.0001	.0007	-.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61527.**	**9633.5**	**1998.3**	**4351.9**
Stddev	90.	23.5	6.2	13.2
%RSD	.14673	.24431	.30964	.30242
#1	61590.	9616.9	1993.9	4342.6
#2	61463.	9650.2	2002.7	4361.2

Sample Name: iccv Acquired: 6/19/2014 10:57:53 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.046**	**1.982**	**1.983**	**2.052**	**1.967**	**2.061**	**2.017**	**.2416**
Stddev	.007	.007	.034	.032	.001	.004	.004	.032	.0004
%RSD	.3256	.3558	1.690	1.592	.0612	.2278	.2015	1.602	.1644
#1	2.033	2.052	2.005	2.006	2.050	1.968	2.061	2.041	.2420
#2	2.030	2.047	2.003	1.998	2.052	1.971	2.059	2.033	.2415
#3	2.038	2.049	1.986	1.990	2.051	1.961	2.058	2.025	.2418
#4	2.023	2.036	1.933	1.936	2.053	1.968	2.067	1.970	.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.022**	**1.969**	**2.060**	**2.029**	**1.971**	**1.979**	**39.75**	**40.38**
Stddev	.001	.034	.033	.033	.029	.034	.034	.13	.12
%RSD	.0708	1.697	1.678	1.576	1.430	1.734	1.692	.3343	.2976
#1	2.009	2.048	1.990	2.086	2.046	1.996	2.004	39.86	40.45
#2	2.009	2.038	1.990	2.075	2.045	1.993	1.999	39.75	40.51
#3	2.008	2.029	1.975	2.067	2.039	1.973	1.982	39.84	40.33
#4	2.011	1.972	1.921	2.013	1.986	1.922	1.931	39.57	40.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: iccv Acquired: 6/19/2014 10:57:53 Type: QC
Method: Accutest1(v273) 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	**40.59**	**39.59**	**39.53**	**39.83**	**2.013**	**2.018**	**1.997**	**4.916**	**2.037**
Stddev	.15	.11	.12	.14	.034	.034	.007	.088	.033
%RSD	.3786	.2687	.3101	.3537	1.698	1.674	.3300	1.788	1.613
#1	40.60	39.65	39.61	39.93	2.039	2.042	1.996	4.972	2.063
#2	40.76	39.71	39.59	39.82	2.033	2.038	2.004	4.973	2.053
#3	40.62	39.47	39.55	39.93	2.016	2.022	1.988	4.931	2.044
#4	40.39	39.53	39.35	39.63	1.964	1.969	1.999	4.787	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.013**	**1.975**	**2.006**	**1.951**	**1.963**	**1.968**
Stddev	.005	.003	.033	.004	.033	.037	.008
%RSD	.2428	.1535	1.667	.1935	1.705	1.868	.4240
#1	2.039	2.014	1.995	2.004	1.975	1.989	1.971
#2	2.036	2.009	1.995	2.005	1.971	1.985	1.967
#3	2.041	2.013	1.984	2.003	1.955	1.967	1.977
#4	2.030	2.017	1.926	2.011	1.903	1.910	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: iccv Acquired: 6/19/2014 10:57:53 Type: QC
Method: Accutest1(v273) 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	**57613.**	**9451.9**	**1911.1**	**3865.9**
Stddev	87.	42.5	29.3	53.9
%RSD	.15116	.44914	1.5347	1.3934
#1	57717.	9428.0	1891.5	3829.1
#2	57590.	9425.9	1889.7	3830.9
#3	57509.	9438.8	1910.3	3859.8
#4	57637.	9515.0	1952.8	3943.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 11:24:56 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0002**	**.0000**	**.0005**	**.0003**	**.0003**	**-.0001**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0001	.0004	.0000	.0002	.0002
%RSD	70.01	6.703	29.26	1449.	17.63	112.1	10.02	194.3	115.4
#1	.0001	.0002	.0002	-.0001	.0004	.0006	.0002	.0000	-.0003
#2	.0002	.0002	.0001	.0001	.0005	.0001	.0003	-.0003	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0000**	**.0001**	**-.0009**	**-.0006**	**.0000**	**.0138**	**.0039**
Stddev	.0002	.0001	.0006	.0004	.0004	.0001	.0003	.0036	.0011
%RSD	91.17	79.98	4308.	455.9	47.53	11.66	812.4	26.50	28.34
#1	.0001	.0000	-.0004	-.0002	-.0012	-.0005	.0003	.0163	.0031
#2	.0004	.0002	.0004	.0003	-.0006	-.0006	-.0002	.0112	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0221**	**.0130**	**-.0052**	**.0001**	**-.0000**	**-.0008**	**.0004**	**-.0001**
Stddev	.0019	.0240	.0078	.0005	.0001	.0002	.0003	.0004	.0001
%RSD	73.81	108.5	60.39	10.46	123.7	2879.	38.95	109.2	80.08
#1	.0039	.0391	.0185	-.0048	.0002	.0001	-.0010	.0001	-.0001
#2	.0012	.0051	.0074	-.0056	.0000	-.0001	-.0005	.0007	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 11:24:56 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0027**	**-.0001**	**-.0030**	**.0017**	**-.0002**
Stddev	.0000	.0000	.0004	.0000	.0000	.0008	.0007
%RSD	4.144	30.11	14.11	16.14	1.437	44.77	355.0
#1	.0002	.0001	-.0024	-.0001	-.0029	.0023	.0003
#2	.0002	.0001	-.0030	-.0001	-.0030	.0012	-.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	**60079.**	**9380.0**	**2033.9**	**4416.5**
Stddev	3071.	612.9	6.3	11.8
%RSD	5.1120	6.5338	.31012	.26786
#1	57908.	8946.6	2038.3	4424.9
#2	62251.	9813.4	2029.4	4408.2

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 11:31:08 Type: QC
Method: Accutest1(v273) 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**	**.0012**	**.0013**	**.0031**	**.0025**	**.0024**	**.0034**	**.0045**
Stddev	.0000	.0001	.0000	.0002	.0002	.0001	.0001	.0002
%RSD	.3815	9.581	2.338	5.158	7.963	5.257	1.592	4.708
#1	.0043	.0011	.0013	.0029	.0024	.0025	.0035	.0043
#2	.0044	.0013	.0012	.0032	.0026	.0024	.0034	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0005**	**.0019**	**.0120**	**.0037**	**.0022**	**.0026**	**.0047**	**.0032**
Stddev	.0002	.0002	.0002	.0008	.0000	.0004	.0004	.0008
%RSD	46.60	12.16	1.866	23.11	2.016	16.59	9.257	23.53
#1	.0004	.0018	.0118	.0043	.0022	.0029	.0051	.0027
#2	.0007	.0021	.0121	.0031	.0022	.0023	.0044	.0038
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	**.1050**	**1.042**	**.0014**	F **.1337**	**2.014**	**1.005**	**.0107**	**-.0001**
Stddev	.0014	.007	.0008	.0047	.025	.004	.0002	.0002
%RSD	1.331	.6385	57.56	3.508	1.244	.4281	2.287	187.9
#1	.1060	1.038	.0019	.1304	2.032	1.002	.0106	.0000
#2	.1040	1.047	.0008	.1370	1.996	1.008	.0109	-.0002
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: 6/19/2014 11:31:08 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0008**	**-.0001**	**.0002**	**.0002**	F **-.0028**	F **-.0002**	F **-.0003**
Stddev	.0004	.0009	.0002	.0001	.0005	.0009	.0000	.0006
%RSD	46.76	122.8	328.4	59.41	315.9	31.86	3.535	244.9
#1	-.0006	-.0001	.0001	.0001	.0005	-.0022	-.0002	.0002
#2	-.0012	-.0014	-.0002	.0003	-.0002	-.0035	-.0002	-.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 **.0010**	F **-.0006**
Stddev	.0000	.0003
%RSD	3.386	47.03
#1	.0010	-.0004
#2	.0010	-.0008
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61011.**	**9495.6**	**1980.3**	**4275.9**
Stddev	9.	15.6	5.7	4.6
%RSD	.01397	.16385	.28892	.10694
#1	61005.	9484.6	1976.3	4272.6
#2	61017.	9506.6	1984.4	4279.1

Sample Name: cri Acquired: 6/19/2014 11:40:01 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2093**	**.0023**	**.0036**	**.0516**	**.0110**	**.0104**	**.0165**	**.0106**	**.0045**
Stddev	.0007	.0001	.0001	.0001	.0005	.0001	.0001	.0002	.0004
%RSD	.3248	4.484	1.751	.1860	4.578	1.278	.7656	1.994	9.070
#1	.2088	.0022	.0035	.0517	.0114	.0105	.0164	.0105	.0042
#2	.2098	.0023	.0036	.0515	.0107	.0103	.0166	.0108	.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0512**	**.0241**	**.0095**	**.0106**	**.0032**	F **.0132**	**.0064**	**.2086**	**5.074**
Stddev	.0003	.0001	.0001	.0008	.0003	.0006	.0001	.0087	.012
%RSD	.5374	.2831	.7738	7.437	10.39	4.862	1.486	4.165	.2273
#1	.0510	.0241	.0095	.0112	.0034	.0137	.0064	.2147	5.082
#2	.0514	.0240	.0094	.0101	.0030	.0127	.0065	.2024	5.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1064**	**5.041**	**4.884**	**5.000**	**.1069**	**.0214**	**.0561**	**.2058**	**.0110**
Stddev	.0018	.002	.013	.012	.0004	.0001	.0011	.0003	.0010
%RSD	1.690	.0367	.2573	.2417	.3365	.3166	1.901	.1632	8.830
#1	.1051	5.040	4.875	4.992	.1066	.0215	.0553	.2056	.0103
#2	.1077	5.043	4.893	5.009	.1071	.0214	.0568	.2061	.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: cri Acquired: 6/19/2014 11:40:01 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0101**	**.0475**	**.0099**	**.0486**	**.0209**	**.0191**
Stddev	.0000	.0001	.0000	.0000	.0010	.0017	.0003
%RSD	.0783	.8972	.0861	.4374	2.136	7.923	1.412
#1	.0108	.0102	.0475	.0099	.0479	.0198	.0189
#2	.0108	.0101	.0475	.0099	.0494	.0221	.0192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60202.**	**9419.1**	**1958.0**	**4187.1**
Stddev	.	25.2	12.5	17.8
%RSD	.00058	.26780	.63633	.42515
#1	60202.	9401.3	1966.8	4199.7
#2	60202.	9437.0	1949.2	4174.6

Sample Name: cria Acquired: 6/19/2014 11:46:11 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0000**	**.0000**	**.0001**	**.0004**	**-.0001**	**-.0000**	**-.0001**	**-.0002**
Stddev	.0003	.0001	.0002	.0000	.0006	.0003	.0001	.0000	.0000
%RSD	471.2	190.8	695.1	44.36	163.4	211.4	279.2	3.954	25.64
#1	.0001	-.0001	-.0001	.0001	-.0001	.0001	.0000	-.0001	-.0001
#2	-.0003	.0000	.0002	.0001	.0008	-.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	**.0000**	**.0001**	**.0191**	**-.0000**	**.0196**	**.0205**	**.0195**	**.4927**	**.0004**
Stddev	.0004	.0001	.0001	.0005	.0004	.0030	.0007	.0066	.0005
%RSD	28000.	116.2	.3065	1770.	1.956	14.80	3.773	1.330	147.6
#1	-.0003	.0000	.0192	-.0004	.0194	.0184	.0190	.4973	.0007
#2	.0003	.0002	.0191	.0003	.0199	.0227	.0200	.4881	-.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	**.5172**	**.0212**	**.0080**	**-.0152**	**-.0003**	**-.0002**	**-.0003**	**-.0020**	**-.0003**
Stddev	.0125	.0203	.0025	.0056	.0006	.0001	.0001	.0016	.0003
%RSD	2.414	95.57	30.95	36.89	179.3	48.05	43.60	80.93	103.9
#1	.5260	.0069	.0097	-.0192	-.0007	-.0001	-.0002	-.0032	-.0001
#2	.5083	.0356	.0062	-.0113	.0001	-.0003	-.0004	-.0009	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Sample Name: cria Acquired: 6/19/2014 11:46:11 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0004**	**-.0005**	**.0007**	**-.0007**
Stddev	.0000	.0002	.0003	.0001	.0015	.0001	.0005
%RSD	27.41	149.9	5.894	27.35	318.4	11.10	67.64
#1	-.0000	-.0000	-.0055	-.0003	-.0015	.0008	-.0004
#2	-.0000	.0002	-.0050	-.0004	.0006	.0006	-.0010
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**59939.**	**9627.5**	**2018.3**	**4370.4**
Stddev	2759.	112.0	55.0	115.4
%RSD	4.6028	1.1635	2.7244	2.6398
#1	61890.	9548.3	2057.2	4451.9
#2	57988.	9706.7	1979.4	4288.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 11:52:23 Type: QC
Method: Accutest1(v273) 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**	**.0031**	**.0024**	**.0020**	**.0033**	**.0045**
Stddev	.0002	.0001	.0000	.0000	.0004	.0002	.0001	.0002
%RSD	4.215	7.936	3.699	1.608	15.38	9.185	2.002	3.405
#1	.0044	.0012	.0011	.0031	.0021	.0021	.0032	.0046
#2	.0042	.0011	.0011	.0030	.0026	.0018	.0033	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0004**	**.0015**	**.0119**	**.0032**	**.0020**	**.0019**	**.0041**	F **.0040**
Stddev	.0003	.0000	.0003	.0005	.0003	.0006	.0001	.0006
%RSD	76.51	.6718	2.444	16.37	15.46	31.24	1.519	15.15
#1	.0002	.0015	.0117	.0028	.0018	.0015	.0041	.0036
#2	.0007	.0016	.0121	.0035	.0022	.0023	.0042	.0044
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value	.0010							.0030
Range	-30.00%							30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1090**	**1.068**	**-.0017**	F **.1365**	**2.047**	**1.034**	**.0099**	**-.0002**
Stddev	.0126	.079	.0037	.0333	.145	.073	.0002	.0002
%RSD	11.52	7.349	219.3	24.42	7.098	7.016	1.707	120.6
#1	.1179	1.123	-.0043	.1129	2.150	1.085	.0098	-.0000
#2	.1001	1.012	.0009	.1600	1.945	.9828	.0101	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 11:52:23 Type: QC
Method: Accutest1(v273) 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**	**-.0021**	**-.0009**	**.0001**	**.0000**	F **-.0048**	F **-.0003**	F **.0012**
Stddev	.0005	.0005	.0003	.0000	.0006	.0001	.0000	.0010
%RSD	161.9	25.45	39.62	1.863	1300.	1.651	9.541	81.97
#1	.0007	-.0025	-.0011	.0001	-.0004	-.0048	-.0003	.0019
#2	-.0000	-.0018	-.0006	.0001	.0005	-.0049	-.0004	.0005
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0001**	F **-.0003**
Stddev	.0002	.0003
%RSD	108.1	110.7
#1	.0000	-.0005
#2	.0003	-.0001
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61961.**	**9249.7**	**1982.1**	**4288.7**
Stddev	701.	531.9	2.8	6.0
%RSD	1.1309	5.7505	.13981	.14080
#1	61466.	8873.6	1984.1	4293.0
#2	62457.	9625.8	1980.1	4284.5

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/19/2014 11:58:33 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0000**	**.0011**	**.0006**	**.0011**	**-.0060**	**-.0008**	**-.0005**	**.0051**
Stddev	.0000	.0000	.0002	.0003	.0006	.0008	.0007	.0001	.0064
%RSD	2.014	23.20	17.26	54.60	53.82	12.93	84.79	25.31	125.8
#1	-.0013	-.0001	.0010	.0008	.0016	-.0066	-.0014	-.0004	.0006
#2	-.0014	-.0000	.0012	.0004	.0007	-.0055	-.0003	-.0006	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0003**	**.0048**	**.0007**	**.0030**	**-.0016**	**.0051**	**514.6**	**387.0**
Stddev	.0004	.0000	.0002	.0002	.0025	.0021	.0007	.9	.4
%RSD	44.97	13.36	4.440	26.87	81.35	127.8	13.56	.1728	.0957
#1	.0012	-.0004	.0049	.0006	.0047	-.0031	.0046	515.2	387.3
#2	.0006	-.0003	.0046	.0008	.0013	-.0002	.0055	513.9	386.8
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	**187.1**	**526.5**	**.1865**	**-.0011**	**-.0008**	**-.0032**	**.0001**	**-.0042**	**-.0032**
Stddev	.4	1.3	.0003	.0031	.0000	.0003	.0007	.0008	.0022
%RSD	.2170	.2408	.1662	281.8	2.631	8.206	573.7	19.62	70.36
#1	187.3	527.4	.1863	.0011	-.0008	-.0030	.0006	-.0047	-.0016
#2	186.8	525.6	.1867	-.0033	-.0008	-.0034	-.0004	-.0036	-.0048
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: 6/19/2014 11:58:33 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0002**	**.0062**	**.0005**	**-.0335**	**-.0139**	**.0226**
Stddev	.0000	.0006	.0018	.0005	.0048	.0011	.0007
%RSD	.5356	302.1	29.68	94.56	14.34	7.800	2.985
#1	-.0047	.0002	.0049	.0002	-.0301	-.0147	.0231
#2	-.0048	-.0006	.0075	.0009	-.0369	-.0131	.0221
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	**50691.**	**8768.0**	**1697.5**	**3261.9**
Stddev	2725.	39.5	20.4	35.8
%RSD	5.3761	.45044	1.2045	1.0977
#1	48764.	8740.1	1711.9	3287.3
#2	52618.	8795.9	1683.0	3236.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 12:04:39 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5187**	**.5107**	**1.028**	**.4911**	**.4848**	**.5214**	**.4971**	**.9904**	**.9853**
Stddev	.0014	.0012	.008	.0036	.0002	.0009	.0021	.0055	.0006
%RSD	.2676	.2317	.7538	.7424	.0414	.1820	.4191	.5581	.0572
#1	.5197	.5099	1.023	.4885	.4849	.5208	.4986	.9865	.9857
#2	.5177	.5116	1.034	.4937	.4847	.5221	.4957	.9943	.9849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4554**	**.9691**	**1.084**	**.9665**	**.9752**	**1.077**	**1.060**	**506.4**	**377.2**
Stddev	.0009	.0078	.009	.0101	.0042	.009	.007	.7	.9
%RSD	.1998	.8069	.8407	1.044	.4273	.8762	.6592	.1413	.2377
#1	.4560	.9636	1.077	.9593	.9722	1.070	1.055	506.9	376.6
#2	.4547	.9747	1.090	.9736	.9781	1.084	1.065	505.8	377.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.3**	**519.6**	**.1783**	**.0085**	**.0023**	**.5065**	**.5485**	**-.0013**	**-.0030**
Stddev	.2	.5	.0131	.0033	.0007	.0034	.0005	.0018	.0011
%RSD	.1218	.0924	7.344	38.99	31.73	.6647	.0979	134.2	37.33
#1	187.1	519.2	.1876	.0108	.0028	.5041	.5489	-.0026	-.0022
#2	187.4	519.9	.1691	.0062	.0018	.5089	.5481	-.0001	-.0038
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 12:04:39 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0004**	**.5155**	**.5698**	**.4393**	**.5264**	**.5698**
Stddev	.0000	.0002	.0027	.0004	.0037	.0043	.0009
%RSD	1.067	47.85	.5281	.0683	.8364	.8189	.1609
#1	-.0045	.0006	.5136	.5700	.4367	.5233	.5691
#2	-.0046	.0003	.5175	.5695	.4419	.5294	.5704
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**52198.**	**8852.0**	**1709.8**	**3287.2**
Stddev	.	26.8	9.8	13.8
%RSD	.00087	.30244	.57602	.42117
#1	52198.	8871.0	1716.8	3297.0
#2	52198.	8833.1	1702.9	3277.4

Zoom In Zoom Out

Sample Name: FeConf Acquired: 6/19/2014 12:10:36 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0000**	**-.0000**	**-.0002**	**-.0006**	**.0018**	**.0002**	**-.0018**	**.0001**	**.0088**
Stddev	.0003	.0000	.0000	.0003	.0003	.0001	.0001	.0000	.0011
%RSD	693.5	22.84	25.01	53.21	16.26	60.51	7.147	2.033	12.95
#1	.0002	-.0000	-.0001	-.0008	.0016	.0001	-.0019	.0001	.0096
#2	-.0002	-.0000	-.0002	-.0004	.0020	.0003	-.0018	.0001	.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0004**	**.0026**	**.0007**	**-.0002**	**.0027**	**-.0016**	**.0010**	**-.0190**
Stddev	.0002	.0002	.0017	.0003	.0006	.0013	.0001	.0021	.0003
%RSD	17.25	49.74	64.61	48.04	264.9	47.48	4.587	205.8	1.400
#1	.0012	-.0003	.0014	.0005	.0002	.0018	-.0016	.0025	-.0188
#2	.0016	-.0006	.0038	.0010	-.0007	.0036	-.0017	-.0005	-.0192

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**199.7**	**.0303**	**.0381**	**-.0118**	**-.0025**	**-.0001**	**.0059**	**.0087**	**-.0027**
Stddev	.7	.0249	.0093	.0016	.0001	.0000	.0004	.0009	.0007
%RSD	.3533	82.30	24.53	13.16	2.078	14.99	7.474	10.23	26.04
#1	199.2	.0479	.0447	-.0107	-.0025	-.0001	.0055	.0080	-.0032
#2	200.2	.0127	.0315	-.0129	-.0025	-.0001	.0062	.0093	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0024**	**.0017**	**-.0048**	**.0001**	**-.0005**
Stddev	.0000	.0001	.0013	.0002	.0026	.0001	.0001
%RSD	148.8	54.65	54.94	12.50	54.83	59.86	15.30
#1	.0001	-.0001	-.0033	.0018	-.0029	.0001	-.0005
#2	-.0000	-.0003	-.0014	.0015	-.0066	.0002	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59711.**	**9400.0**	**1931.8**	**4192.6**
Stddev	91.	41.1	6.0	9.9
%RSD	.15206	.43674	.30867	.23692
#1	59647.	9429.0	1936.0	4199.7
#2	59775.	9370.9	1927.6	4185.6

Zoom In Zoom Out

Sample Name: CrConf Acquired: 6/19/2014 12:16:46 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0001**	**.0002**	**-.0008**	**12.40**	**-.0002**	**.0003**	**-.0002**	**.0002**
Stddev	.0001	.0000	.0001	.0002	.03	.0001	.0001	.0001	.0003
%RSD	14.98	41.57	76.49	23.04	.2384	29.02	23.88	75.01	127.1
#1	.0005	.0001	.0001	-.0009	12.37	-.0002	.0004	-.0001	.0004
#2	.0006	.0001	.0003	-.0007	12.42	-.0002	.0003	-.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**-.0003**	**-.0012**	**-.0011**	**-.0001**	**-.0031**	**.0058**	**.0065**	**.0237**
Stddev	.0004	.0001	.0003	.0032	.0002	.0014	.0002	.0009	.0013
%RSD	6.675	37.65	28.80	284.4	137.3	43.28	2.969	13.62	5.357
#1	.0051	-.0002	-.0010	-.0034	-.0002	-.0041	.0057	.0058	.0228
#2	.0056	-.0003	-.0014	.0011	-.0000	-.0022	.0059	.0071	.0246

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0128**	**.0280**	**.0011**	**-.0043**	**-.0006**	**.0003**	**-.0009**	**.0055**	**-.0010**
Stddev	.0029	.0325	.0109	.0025	.0001	.0002	.0001	.0003	.0006
%RSD	22.34	116.0	950.3	57.40	15.47	77.52	5.899	6.058	57.33
#1	.0108	.0050	.0088	-.0026	-.0005	.0001	-.0010	.0053	-.0006
#2	.0148	.0509	-.0065	-.0061	-.0006	.0004	-.0009	.0058	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0011**	**-.0024**	**.0042**	**-.0044**	**-.0013**
Stddev	.0000	.0003	.0003	.0002	.0006	.0003	.0007
%RSD	13.42	198.2	29.34	6.606	14.09	6.968	52.78
#1	.0001	-.0001	-.0009	-.0023	.0046	-.0042	-.0018
#2	.0001	.0004	-.0013	-.0025	.0038	-.0046	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60655.**	**9410.7**	**1936.9**	**4271.0**
Stddev	37.	19.6	2.7	7.1
%RSD	.06179	.20844	.13900	.16623
#1	60629.	9424.6	1938.8	4276.0
#2	60682.	9396.9	1935.0	4265.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 12:22:58 Type: QC
Method: Accutest1(v273) 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	**2.025**	**2.047**	**2.041**	**2.049**	**2.076**	**1.971**	**2.086**	**2.085**	**.2420**
Stddev	.001	.007	.003	.006	.022	.012	.019	.003	.0012
%RSD	.0492	.3362	.1575	.2731	1.059	.6240	.9052	.1464	.4875
#1	2.024	2.042	2.039	2.045	2.061	1.962	2.072	2.082	.2411
#2	2.025	2.052	2.043	2.053	2.092	1.979	2.099	2.087	.2428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.098**	**2.024**	**2.119**	**2.102**	**2.026**	**2.034**	**39.79**	**40.48**
Stddev	.020	.009	.004	.005	.006	.002	.004	.02	.04
%RSD	.9610	.4403	.2142	.2584	.2974	.1154	.2180	.0493	.1094
#1	2.011	2.092	2.021	2.116	2.098	2.028	2.037	39.81	40.51
#2	2.039	2.105	2.027	2.123	2.107	2.025	2.031	39.78	40.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.25**	**39.64**	**39.66**	**39.85**	**2.069**	**2.079**	**1.999**	**5.064**	**2.103**
Stddev	.00	.13	.08	.04	.005	.002	.016	.003	.005
%RSD	.0099	.3182	.1903	.1085	.2264	.1128	.8188	.0675	.2463
#1	40.24	39.72	39.60	39.82	2.072	2.078	1.988	5.067	2.100
#2	40.25	39.55	39.71	39.88	2.066	2.081	2.011	5.062	2.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 12:22:58 Type: QC
Method: Accutest1(v273) 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	**2.029**	**2.025**	**2.019**	**2.018**	**2.014**	**2.009**	**1.969**
Stddev	.001	.017	.008	.015	.001	.004	.005
%RSD	.0692	.8607	.4011	.7466	.0443	.1955	.2766
#1	2.028	2.013	2.013	2.008	2.015	2.012	1.965
#2	2.030	2.038	2.025	2.029	2.014	2.007	1.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**57293.**	**9381.9**	**1878.1**	**3789.3**
Stddev	406.	10.1	.0	2.8
%RSD	.70903	.10754	.00062	.07456
#1	57581.	9374.7	1878.1	3791.3
#2	57006.	9389.0	1878.1	3787.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 12:28:53 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0001**	**-.0000**	**.0002**	**.0001**	**.0001**	**-.0002**	**-.0004**
Stddev	.0002	.0001	.0000	.0000	.0002	.0001	.0001	.0003	.0003
%RSD	1706.	101.3	13.17	21.50	102.0	151.1	72.02	187.7	61.54
#1	.0002	.0001	.0001	-.0000	.0001	.0002	.0000	.0001	-.0002
#2	-.0002	.0000	.0001	-.0000	.0003	-.0000	.0001	-.0004	-.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	**-.0000**	**.0000**	**.0011**	**-.0006**	**-.0008**	**-.0008**	**.0005**	**.0035**	**-.0003**
Stddev	.0001	.0001	.0002	.0007	.0002	.0014	.0001	.0056	.0020
%RSD	347.6	438.6	19.43	103.1	20.90	186.0	24.36	160.9	633.4
#1	-.0001	.0001	.0013	-.0002	-.0007	.0002	.0005	-.0005	.0011
#2	.0001	-.0001	.0010	-.0011	-.0009	-.0018	.0004	.0074	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**-.0012**	**.0108**	**-.0101**	**.0001**	**.0005**	**-.0014**	**.0008**	**-.0003**
Stddev	.0014	.0093	.0007	.0001	.0005	.0001	.0005	.0008	.0006
%RSD	113.2	808.6	6.462	.7012	595.5	18.65	35.56	100.0	232.5
#1	-.0002	-.0078	.0113	-.0101	.0005	.0006	-.0011	.0014	-.0007
#2	-.0022	.0054	.0104	-.0100	-.0003	.0005	-.0018	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 12:28:53 Type: QC
Method: Accutest1(v273) 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**	**.0002**	**.0057**	**.0004**	**-.0010**	**.0005**	**-.0006**
Stddev	.0000	.0003	.0019	.0001	.0023	.0002	.0001
%RSD	36.50	155.3	33.81	28.39	222.6	40.76	16.33
#1	.0000	-.0000	.0070	.0004	.0006	.0004	-.0005
#2	.0000	.0004	.0043	.0003	-.0027	.0007	-.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	**61547.**	**9482.5**	**2016.1**	**4372.1**
Stddev	92.	1.6	2.0	4.3
%RSD	.15015	.01734	.10095	.09750
#1	61481.	9483.7	2014.7	4369.1
#2	61612.	9481.4	2017.5	4375.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 12:35:04 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2083**	**.0022**	**.0035**	**.0518**	**.0112**	**.0102**	**.0164**	**.0104**	**.0048**
Stddev	.0002	.0000	.0001	.0002	.0003	.0006	.0001	.0003	.0001
%RSD	.0724	.2462	1.788	.3741	2.427	6.013	.6118	3.178	1.959
#1	.2082	.0022	.0035	.0519	.0114	.0097	.0164	.0102	.0047
#2	.2084	.0022	.0035	.0516	.0110	.0106	.0165	.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	**.0514**	**.0242**	**.0097**	**.0109**	**.0035**	**.0128**	**.0067**	**.2101**	**5.022**
Stddev	.0003	.0000	.0005	.0007	.0008	.0015	.0009	.0126	.013
%RSD	.5333	.1295	4.987	6.489	23.90	11.40	13.82	6.017	.2622
#1	.0512	.0241	.0094	.0114	.0041	.0139	.0073	.2190	5.031
#2	.0516	.0242	.0101	.0104	.0029	.0118	.0060	.2011	5.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1068**	**4.989**	**4.864**	**4.976**	**.1071**	**.0217**	**.0561**	**.2052**	**.0112**
Stddev	.0049	.027	.033	.008	.0004	.0000	.0018	.0001	.0005
%RSD	4.546	.5449	.6849	.1625	.3831	.1507	3.168	.0683	4.115
#1	.1102	5.008	4.888	4.982	.1074	.0217	.0548	.2053	.0116
#2	.1033	4.970	4.841	4.970	.1068	.0218	.0573	.2051	.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: 6/19/2014 12:35:04 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0113**	**.0498**	**.0102**	**.0480**	**.0213**	**.0198**
Stddev	.0001	.0005	.0005	.0001	.0014	.0003	.0007
%RSD	.8966	4.460	1.023	.8126	2.827	1.254	3.354
#1	.0108	.0109	.0502	.0103	.0470	.0215	.0194
#2	.0106	.0117	.0495	.0102	.0489	.0212	.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60514.**	**9508.4**	**1964.6**	**4195.7**
Stddev	505.	28.0	3.4	5.8
%RSD	.83375	.29419	.17267	.13752
#1	60871.	9488.6	1962.2	4191.6
#2	60157.	9528.2	1967.0	4199.8

Zoom In Zoom Out

Sample Name: mp80145-mb1 1 Acquired: 6/19/2014 12:46:15 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0001**	**-.0000**	**.0002**	**.0001**	**.0004**	**-.0000**	**-.0001**	**-.0006**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0001	.0003	.0005
%RSD	202.2	22.79	58.97	4.383	106.0	38.10	300.7	392.1	95.32
#1	.0001	.0001	-.0000	.0002	.0000	.0005	-.0001	.0002	-.0002
#2	-.0000	.0001	-.0000	.0002	.0001	.0003	.0000	-.0003	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0006**	**.0009**	**.0006**	**-.0003**	**-.0022**	**.0005**	**.0095**	**.0062**
Stddev	.0002	.0000	.0010	.0003	.0004	.0002	.0002	.0030	.0007
%RSD	94.50	6.962	108.3	56.60	143.4	7.566	37.83	31.03	11.06
#1	.0003	.0007	.0016	.0004	-.0006	-.0023	.0006	.0116	.0058
#2	.0001	.0006	.0002	.0008	.0000	-.0021	.0004	.0075	.0067

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0009**	**.0110**	**-.0198**	**-.0180**	**-.0003**	**-.0005**	**-.0005**	**.0072**	**-.0007**
Stddev	.0016	.0052	.0079	.0004	.0001	.0000	.0015	.0003	.0000
%RSD	166.7	47.14	40.22	2.183	40.26	7.346	303.3	3.843	2.117
#1	-.0002	.0073	-.0254	-.0183	-.0002	-.0004	.0005	.0074	-.0007
#2	.0021	.0147	-.0141	-.0177	-.0004	-.0005	-.0015	.0070	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0000**	**-.0061**	**-.0004**	**-.0012**	**.0014**	**-.0010**
Stddev	.0000	.0003	.0010	.0001	.0022	.0003	.0004
%RSD	96.60	1162.	16.95	14.55	181.6	17.91	37.59
#1	.0001	.0002	-.0053	-.0003	.0003	.0016	-.0007
#2	.0000	-.0003	-.0068	-.0004	-.0028	.0012	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62538.**	**9739.8**	**2037.7**	**4459.9**
Stddev	33.	35.7	9.8	18.3
%RSD	.05305	.36693	.48023	.41121
#1	62515.	9765.0	2044.6	4472.9
#2	62562.	9714.5	2030.8	4447.0

Zoom In Zoom Out

Sample Name: mp80145-lc1 Acquired: 6/19/2014 12:52:24 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5215**	**.5140**	**.5169**	**.4969**	**.5235**	**.4937**	**.5223**	**.5190**	**.1914**
Stddev	.0021	.0022	.0009	.0004	.0004	.0004	.0018	.0011	.0005
%RSD	.3985	.4208	.1799	.0774	.0729	.0790	.3422	.2119	.2681
#1	.5229	.5155	.5162	.4966	.5232	.4934	.5211	.5182	.1910
#2	.5200	.5124	.5175	.4972	.5237	.4939	.5236	.5198	.1918

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4746**	**.5346**	**.5094**	**.5672**	**.5344**	**.5187**	**.5125**	**5.104**	**5.776**
Stddev	.0004	.0019	.0003	.0016	.0018	.0022	.0010	.019	.011
%RSD	.0753	.3636	.0555	.2878	.3343	.4279	.1893	.3687	.1819
#1	.4749	.5332	.5092	.5683	.5331	.5171	.5118	5.118	5.783
#2	.4744	.5359	.5096	.5660	.5356	.5202	.5132	5.091	5.768

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.805**	**5.521**	**10.03**	**10.23**	**.0092**	**.5107**	**.0020**	**.0421**	**.0003**
Stddev	.004	.018	.00	.04	.0002	.0020	.0012	.0006	.0005
%RSD	.0681	.3244	.0389	.4399	1.734	.3859	59.13	1.483	167.1
#1	5.803	5.534	10.03	10.26	.0091	.5093	.0028	.0417	.0007
#2	5.808	5.508	10.03	10.20	.0093	.5121	.0012	.0426	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5150**	**-.0014**	**-.0002**	**.0043**	**.0016**	**-.0008**
Stddev	.0001	.0017	.0004	.0000	.0051	.0002	.0005
%RSD	39.71	.3280	29.60	6.380	116.9	11.63	56.76
#1	-.0001	.5139	-.0017	-.0002	.0008	.0015	-.0012
#2	-.0002	.5162	-.0011	-.0002	.0079	.0017	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60509.**	**9588.1**	**1966.9**	**4163.2**
Stddev	120.	28.3	1.6	5.9
%RSD	.19910	.29476	.07953	.14053
#1	60594.	9568.1	1968.0	4167.4
#2	60424.	9608.1	1965.8	4159.1

Zoom In Zoom Out

Sample Name: mp80145-s1 Acquired: 6/19/2014 12:58:23 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.084**	**.0510**	**.0532**	**.5004**	**.2071**	**.2601**	**.6721**	**.5176**	**.0540**
Stddev	.000	.0001	.0003	.0003	.0002	.0005	.0008	.0007	.0007
%RSD	.0111	.2283	.5672	.0542	.0739	.1894	.1234	.1429	1.315
#1	2.084	.0509	.0534	.5006	.2069	.2605	.6727	.5182	.0545
#2	2.084	.0511	.0530	.5002	.2072	.2598	.6716	.5171	.0535

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4671**	**1.172**	**2.128**	**2.223**	**.5376**	**2.185**	**.5358**	**2.060**	**50.54**
Stddev	.0003	.004	.000	.002	.0009	.004	.0007	.011	.15
%RSD	.0642	.3513	.0026	.1034	.1666	.1927	.1250	.5172	.3061
#1	.4673	1.175	2.129	2.225	.5382	2.182	.5363	2.068	50.64
#2	.4668	1.169	2.128	2.222	.5370	2.188	.5353	2.053	50.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.310**	**28.16**	**27.96**	**60.43**	**.0094**	**.0023**	**.0012**	**.9095**	**-.0010**
Stddev	.011	.10	.07	.03	.0005	.0000	.0001	.0008	.0007
%RSD	.4897	.3550	.2359	.0532	5.142	.2815	11.27	.0896	71.86
#1	2.318	28.23	27.91	60.41	.0090	.0023	.0011	.9101	-.0015
#2	2.302	28.09	28.00	60.45	.0097	.0023	.0012	.9089	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1321**	**.0028**	**.0061**	**-.0002**	**31.81**	**.0006**	**.0026**
Stddev	.0000	.0002	.0002	.0000	.01	.0011	.0009
%RSD	.0164	7.168	3.813	19.46	.0408	201.0	36.07
#1	.1321	.0026	.0063	-.0002	31.81	-.0002	.0032
#2	.1320	.0029	.0059	-.0002	31.82	.0013	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57901.**	**9437.2**	**1882.5**	**3885.5**
Stddev	1.	15.6	4.8	8.5
%RSD	.00235	.16575	.25688	.21970
#1	57902.	9426.1	1885.9	3891.5
#2	57900.	9448.2	1879.1	3879.5

Zoom In Zoom Out

Sample Name: mp80145-s2 Acquired: 6/19/2014 13:04:21 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.154**	**.0525**	**.0527**	**.4949**	**.2046**	**.2592**	**.6643**	**.5141**	**.0533**
Stddev	.110	.0029	.0001	.0003	.0007	.0003	.0004	.0015	.0004
%RSD	5.115	5.436	.2844	.0604	.3563	.1247	.0657	.2934	.7960
#1	2.232	.0546	.0526	.4947	.2051	.2594	.6640	.5130	.0536
#2	2.076	.0505	.0528	.4951	.2041	.2590	.6646	.5151	.0530

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4622**	**1.160**	**2.125**	**2.212**	**.5327**	**2.190**	**.5349**	**2.127**	**52.26**
Stddev	.0011	.001	.009	.006	.0037	.015	.0021	.117	2.65
%RSD	.2312	.0666	.4356	.2541	.6950	.6824	.3975	5.493	5.078
#1	.4615	1.159	2.118	2.208	.5301	2.179	.5334	2.209	54.13
#2	.4630	1.160	2.131	2.216	.5353	2.200	.5364	2.044	50.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.395**	**29.18**	**28.90**	**62.45**	**.0088**	**.0021**	**.0018**	**.9108**	**-.0014**
Stddev	.127	1.36	1.45	3.20	.0006	.0001	.0003	.0062	.0004
%RSD	5.313	4.652	5.011	5.129	7.103	6.716	17.72	.6772	31.26
#1	2.484	30.14	29.93	64.71	.0084	.0022	.0020	.9064	-.0017
#2	2.305	28.22	27.88	60.18	.0093	.0020	.0016	.9152	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1370**	**.0030**	**.0067**	**.0000**	**31.74**	**.0016**	**.0026**
Stddev	.0072	.0002	.0002	.0000	.12	.0002	.0002
%RSD	5.226	5.236	3.267	1022.	.3894	15.16	8.752
#1	.1421	.0029	.0065	.0000	31.65	.0018	.0027
#2	.1320	.0031	.0068	-.0000	31.83	.0014	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58140.**	**9184.6**	**1882.4**	**3890.8**
Stddev	41.	412.5	4.7	5.9
%RSD	.07030	4.4910	.25146	.15113
#1	58169.	8893.0	1885.7	3895.0
#2	58111.	9476.3	1879.0	3886.7

Zoom In Zoom Out

Sample Name: jb69504-4 Acquired: 6/19/2014 13:10:19 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (145)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1055**	**.0000**	**.0001**	**.0004**	**.0019**	**.0146**	**.1657**	**.0031**	**.0013**
Stddev	.0069	.0000	.0001	.0001	.0001	.0002	.0001	.0001	.0002
%RSD	6.573	28.38	94.32	27.87	6.547	1.417	.0545	2.563	15.55
#1	.1006	.0000	.0001	.0003	.0019	.0147	.1656	.0031	.0012
#2	.1104	.0000	.0000	.0005	.0018	.0145	.1658	.0030	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.6544**	**.0039**	**.0014**	**.0034**	**-.0033**	**.0024**	**.1088**	**26.55**
Stddev	.0001	.0015	.0006	.0006	.0004	.0017	.0000	.0046	1.62
%RSD	20.60	.2274	15.19	45.48	10.32	51.19	.3500	4.257	6.099
#1	.0007	.6554	.0035	.0009	.0037	-.0021	.0024	.1121	25.40
#2	.0005	.6533	.0044	.0018	.0032	-.0045	.0024	.1055	27.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.291**	**3.312**	**3.317**	**35.81**	**.0080**	**.0009**	**.0011**	**.9047**	**-.0014**
Stddev	.079	.215	.193	2.21	.0003	.0001	.0001	.0115	.0002
%RSD	6.120	6.487	5.825	6.184	3.453	11.18	10.69	1.276	11.95
#1	1.235	3.160	3.181	34.25	.0078	.0010	.0012	.8965	-.0015
#2	1.347	3.464	3.454	37.38	.0082	.0009	.0010	.9128	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1339**	**.0012**	**-.0055**	**-.0004**	**31.56**	**.0018**	**.0017**
Stddev	.0084	.0004	.0013	.0001	.03	.0002	.0008
%RSD	6.250	31.64	23.52	12.59	.1055	11.54	47.84
#1	.1280	.0009	-.0065	-.0004	31.54	.0019	.0012
#2	.1398	.0014	-.0046	-.0004	31.58	.0016	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59510.**	**9626.7**	**1928.2**	**4083.9**
Stddev	28.	486.3	4.4	8.7
%RSD	.04679	5.0511	.22992	.21313
#1	59490.	9970.5	1931.4	4090.1
#2	59529.	9282.8	1925.1	4077.8

Zoom In Zoom Out

Sample Name: mp80145-sd1 Acquired: 6/19/2014 13:16:26 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 504-4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1038**	**-.0000**	**.0009**	**-.0008**	**.0027**	**.0153**	**.1638**	**.0032**	**-.0002**
Stddev	.0013	.0002	.0010	.0004	.0029	.0012	.0017	.0002	.0023
%RSD	1.208	477.2	102.2	45.61	105.9	7.849	1.044	4.774	1343.
#1	.1047	.0001	.0003	-.0010	.0007	.0145	.1650	.0033	.0014
#2	.1029	-.0002	.0016	-.0005	.0047	.0162	.1626	.0031	-.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.6368**	**.0029**	**.0030**	**.0030**	**.0012**	**.0031**	**.1471**	**26.84**
Stddev	.0010	.0002	.0031	.0001	.0045	.0126	.0020	.0192	.68
%RSD	84.76	.0257	106.3	1.934	148.5	1084.	62.60	13.03	2.533
#1	.0019	.6367	.0007	.0031	-.0002	.0101	.0017	.1335	27.32
#2	.0005	.6369	.0052	.0030	.0062	-.0077	.0045	.1607	26.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.289**	**3.316**	**3.284**	**35.02**	**.0093**	**-.0000**	**-.0034**	**.8716**	**-.0029**
Stddev	.022	.169	.057	.70	.0038	.0002	.0039	.0035	.0001
%RSD	1.724	5.108	1.723	2.008	41.28	1516.	114.1	.3978	4.457
#1	1.305	3.436	3.324	35.52	.0066	-.0002	-.0007	.8691	-.0030
#2	1.274	3.196	3.244	34.52	.0120	.0001	-.0062	.8740	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1336**	**.0017**	**-.0279**	**-.0015**	**28.66**	**.0042**	**-.0045**
Stddev	.0026	.0031	.0004	.0003	.09	.0046	.0033
%RSD	1.939	184.8	1.446	22.68	.3066	109.5	74.29
#1	.1354	-.0005	-.0282	-.0013	28.60	.0009	-.0021
#2	.1318	.0038	-.0276	-.0017	28.72	.0074	-.0068

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60992.**	**9449.4**	**1987.9**	**4282.6**
Stddev	87.	162.0	8.3	9.2
%RSD	.14240	1.7141	.41861	.21597
#1	60931.	9334.9	1993.8	4289.1
#2	61054.	9563.9	1982.0	4276.0

Zoom In Zoom Out

Sample Name: jb69484-1 Acquired: 6/19/2014 13:22:31 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0172**	**.0063**	**.0012**	**.0677**	**.0116**	**.0142**	**7.285**	**.2031**	**.0104**
Stddev	.0001	.0002	.0001	.0007	.0000	.0006	.028	.0011	.0000
%RSD	.3800	2.538	8.973	1.103	.4242	4.001	.3835	.5242	.4392
#1	.0172	.0064	.0013	.0671	.0117	.0138	7.265	.2024	.0105
#2	.0173	.0062	.0012	.0682	.0116	.0146	7.305	.2039	.0104

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0231**	**.4032**	**.0093**	**.0027**	**.0058**	**.0039**	**-.0015**	**33.21**	**103.5**
Stddev	.0007	.0005	.0007	.0001	.0004	.0015	.0004	.03	.3
%RSD	3.007	.1283	7.064	2.889	6.595	39.35	26.18	.0808	.2713
#1	.0226	.4028	.0098	.0026	.0060	.0028	-.0013	33.22	103.3
#2	.0235	.4036	.0089	.0027	.0055	.0050	-.0018	33.19	103.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**70.73**	**45.95**	**23.35**	**86.39**	**.3447**	**-.0011**	**.0256**	**21.07**	**-.0056**
Stddev	.05	.02	.04	.04	.0017	.0001	.0001	.06	.0011
%RSD	.0652	.0381	.1676	.0492	.5029	9.087	.5309	.3010	20.34
#1	70.70	45.96	23.32	86.42	.3435	-.0011	.0257	21.03	-.0065
#2	70.76	45.94	23.37	86.36	.3460	-.0010	.0255	21.12	-.0048

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3411**	**.0026**	**.0135**	**.0014**	**289.7**	**-.0013**	**.1413**
Stddev	.0002	.0005	.0003	.0001	.7	.0005	.0000
%RSD	.0519	19.12	1.875	6.333	.2243	37.45	.0062
#1	.3412	.0029	.0137	.0014	289.3	-.0010	.1413
#2	.3410	.0022	.0133	.0015	290.2	-.0017	.1413

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58862.**	**9792.2**	**1900.2**	**3726.0**
Stddev	118.	35.7	7.9	16.4
%RSD	.20095	.36426	.41500	.44115
#1	58945.	9817.4	1905.7	3737.6
#2	58778.	9766.9	1894.6	3714.4

Zoom In Zoom Out

Sample Name: jb69484-2 Acquired: 6/19/2014 13:28:32 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0055**	**-.0000**	**-.0000**	**.0010**	**.0001**	**-.0001**	**.2322**	**.0027**	**.0019**
Stddev	.0000	.0001	.0001	.0004	.0002	.0000	.0008	.0002	.0000
%RSD	.7683	379.6	395.0	42.57	300.4	39.83	.3290	8.375	1.678
#1	.0055	-.0001	-.0001	.0007	-.0001	-.0001	.2328	.0025	.0019
#2	.0055	.0000	.0000	.0013	.0002	-.0001	.2317	.0028	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0025**	**.0002**	**.0023**	**.0016**	**-.0009**	**.0009**	**.1177**	**256.6**
Stddev	.0000	.0001	.0009	.0000	.0005	.0006	.0018	.0109	1.4
%RSD	25.25	6.001	554.8	1.032	33.78	63.41	204.7	9.244	.5390
#1	-.0001	.0026	-.0005	.0023	.0020	-.0005	.0022	.1254	257.6
#2	-.0001	.0024	.0008	.0023	.0012	-.0013	-.0004	.1100	255.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**17.64**	**24.80**	**112.7**	**.3350**	**-.0005**	**.0036**	**.6809**	**-.0011**
Stddev	.0005	.01	.08	.2	.0021	.0001	.0004	.0038	.0001
%RSD	36.11	.0285	.3224	.1875	.6128	17.76	11.12	.5548	5.090
#1	.0010	17.65	24.85	112.8	.3336	-.0006	.0033	.6783	-.0011
#2	.0017	17.64	24.74	112.5	.3365	-.0005	.0039	.6836	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3736**	**.0002**	**-.0050**	**-.0005**	**298.5**	**.0006**	**.1513**
Stddev	.0002	.0004	.0011	.0000	.4	.0006	.0014
%RSD	.0656	209.6	22.52	7.005	.1252	111.8	.9258
#1	.3734	-.0001	-.0058	-.0005	298.2	.0001	.1503
#2	.3738	.0005	-.0042	-.0005	298.7	.0010	.1523

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**55234.**	**9303.5**	**1791.8**	**3612.8**
Stddev	39.	38.7	6.7	11.5
%RSD	.06989	.41640	.37316	.31770
#1	55206.	9276.1	1796.5	3621.0
#2	55261.	9330.8	1787.1	3604.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 13:34:39 Type: QC
Method: Accutest1(v273) 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**	**2.088**	**2.047**	**2.061**	**2.101**	**1.994**	**2.107**	**2.099**	**.2460**
Stddev	.020	.025	.004	.003	.004	.004	.006	.004	.0002
%RSD	.9587	1.172	.1727	.1584	.1777	.2146	.2697	.2122	.0668
#1	2.039	2.070	2.049	2.064	2.103	1.997	2.103	2.102	.2462
#2	2.067	2.105	2.044	2.059	2.098	1.991	2.111	2.096	.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	**2.044**	**2.111**	**2.035**	**2.129**	**2.114**	**2.035**	**2.039**	**40.51**	**41.32**
Stddev	.002	.000	.002	.004	.005	.003	.007	.28	.37
%RSD	.1016	.0111	.1067	.1631	.2483	.1432	.3305	.6825	.8911
#1	2.043	2.111	2.033	2.132	2.118	2.037	2.044	40.31	41.06
#2	2.046	2.111	2.037	2.127	2.111	2.033	2.034	40.70	41.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.13**	**40.70**	**40.18**	**40.34**	**2.075**	**2.087**	**2.025**	**5.077**	**2.120**
Stddev	.38	.29	.44	.40	.006	.007	.008	.010	.002
%RSD	.9270	.7191	1.083	1.003	.2909	.3339	.3871	.1883	.1100
#1	40.86	40.49	39.87	40.05	2.079	2.092	2.030	5.084	2.121
#2	41.40	40.90	40.48	40.62	2.070	2.082	2.019	5.070	2.118
Check ?	Chk Pass	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: 6/19/2014 13:34:39 Type: QC
Method: Accutest1(v273) 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	**2.058**	**2.043**	**2.035**	**2.037**	**2.041**	**2.017**	**1.995**
Stddev	.020	.004	.004	.001	.009	.003	.026
%RSD	.9707	.2131	.2020	.0507	.4601	.1527	1.288
#1	2.044	2.039	2.032	2.036	2.047	2.020	1.977
#2	2.072	2.046	2.038	2.038	2.034	2.015	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	**56432.**	**9056.8**	**1864.6**	**3758.3**
Stddev	4.	80.3	3.1	7.5
%RSD	.00684	.88703	.16752	.20075
#1	56435.	9113.6	1862.4	3752.9
#2	56429.	9000.0	1866.8	3763.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 13:40:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**.0001**	**.0007**	**-.0001**	**.0001**	**.0002**	**-.0006**
Stddev	.0002	.0001	.0003	.0001	.0000	.0002	.0000	.0000	.0002
%RSD	141.8	39.35	1178.	79.43	2.899	283.7	41.01	18.63	27.48
#1	-.0000	.0002	.0003	.0000	.0006	-.0003	.0001	.0002	-.0005
#2	.0003	.0001	-.0002	.0001	.0007	.0001	.0001	.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0019**	**-.0007**	**-.0010**	**.0005**	**-.0004**	**.0038**	**.0035**
Stddev	.0001	.0000	.0016	.0007	.0006	.0010	.0000	.0007	.0005
%RSD	45.06	11.92	85.06	110.1	59.91	185.4	1.147	17.68	13.63
#1	-.0002	.0002	.0008	-.0012	-.0014	-.0002	-.0005	.0043	.0031
#2	-.0001	.0002	.0030	-.0001	-.0006	.0013	-.0004	.0033	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0076**	**.0287**	**.0102**	**.0003**	**.0004**	**-.0002**	**.0008**	**-.0005**
Stddev	.0023	.0040	.0055	.0021	.0002	.0000	.0002	.0006	.0009
%RSD	60.37	53.30	19.19	20.39	65.80	9.743	102.6	73.32	207.7
#1	.0055	.0047	.0248	.0088	.0004	.0004	-.0004	.0012	-.0011
#2	.0022	.0104	.0326	.0117	.0002	.0004	-.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 13:40:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**.0040**	**.0002**	**.0067**	**.0009**	**-.0003**
Stddev	.0000	.0004	.0005	.0001	.0005	.0003	.0005
%RSD	58.21	119.8	11.74	68.34	7.438	29.66	196.7
#1	.0001	.0000	.0043	.0003	.0063	.0007	-.0006
#2	.0000	.0006	.0036	.0001	.0070	.0011	.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	**62011.**	**9114.3**	**1995.9**	**4310.5**
Stddev	450.	537.4	2.9	10.7
%RSD	.72566	5.8960	.14514	.24917
#1	62329.	8734.4	1997.9	4318.1
#2	61692.	9494.3	1993.8	4302.9

Zoom In Zoom Out

Sample Name: mp80145-s2 Acquired: 6/19/2014 13:46:45 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RERUN (RSD)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.071**	**.0511**	**.0525**	**.4976**	**.2059**	**.2591**	**.6723**	**.5176**	**.0532**
Stddev	.001	.0001	.0001	.0004	.0004	.0015	.0001	.0024	.0006
%RSD	.0526	.2116	.1677	.0887	.1820	.5835	.0215	.4550	1.071
#1	2.071	.0511	.0526	.4972	.2056	.2580	.6722	.5160	.0528
#2	2.072	.0512	.0525	.4979	.2061	.2602	.6724	.5193	.0536

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4663**	**1.166**	**2.120**	**2.214**	**.5373**	**2.181**	**.5346**	**2.056**	**50.37**
Stddev	.0001	.001	.003	.007	.0027	.002	.0005	.002	.18
%RSD	.0122	.0396	.1175	.3040	.4963	.1015	.0937	.1054	.3623
#1	.4663	1.166	2.118	2.209	.5354	2.179	.5342	2.054	50.25
#2	.4662	1.166	2.122	2.219	.5392	2.182	.5350	2.057	50.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.301**	**28.17**	**27.89**	**60.21**	**.0091**	**.0020**	**.0012**	**.9037**	**-.0011**
Stddev	.024	.08	.03	.10	.0004	.0001	.0008	.0019	.0003
%RSD	1.057	.2690	.1168	.1634	4.301	5.859	66.96	.2096	30.78
#1	2.283	28.12	27.87	60.14	.0088	.0019	.0006	.9023	-.0013
#2	2.318	28.23	27.91	60.28	.0094	.0021	.0017	.9050	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1319**	**.0030**	**.0075**	**.0006**	**31.61**	**.0013**	**.0036**
Stddev	.0001	.0002	.0008	.0002	.04	.0001	.0001
%RSD	.1066	7.434	10.70	26.75	.1358	10.25	3.311
#1	.1318	.0029	.0080	.0007	31.58	.0012	.0037
#2	.1320	.0032	.0069	.0005	31.64	.0014	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58166.**	**9462.2**	**1899.2**	**3904.5**
Stddev	228.	33.4	3.3	6.9
%RSD	.39270	.35277	.17241	.17545
#1	58327.	9485.8	1901.5	3909.4
#2	58004.	9438.6	1896.8	3899.7

Zoom In Zoom Out

Sample Name: mp80126-mb1conf Acquired: 6/19/2014 13:52:42 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ReRun 126 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0000**	**.0000**	**.0002**	**.0004**	**.0012**	**.0007**	**.0024**	**-.0005**
Stddev	.0001	.0000	.0000	.0002	.0006	.0004	.0000	.0001	.0002
%RSD	10.36	40.81	117.0	96.42	137.9	28.80	1.679	2.594	39.82
#1	.0009	.0001	.0000	.0001	.0008	.0015	.0007	.0023	-.0006
#2	.0010	.0000	.0001	.0003	.0000	.0010	.0006	.0024	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0035**	**-.0002**	**.0013**	**-.0008**	**.0001**	**.0001**	**.0178**	**.0847**
Stddev	.0001	.0001	.0003	.0007	.0008	.0007	.0005	.0014	.0022
%RSD	1213.	2.251	141.7	58.72	100.7	513.2	397.3	7.603	2.546
#1	-.0001	.0036	-.0004	.0007	-.0014	-.0004	.0005	.0188	.0832
#2	.0001	.0035	.0000	.0018	-.0002	.0006	-.0002	.0168	.0862

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0349**	**.0383**	**.0313**	**.0313**	**.0029**	**.0000**	**.0009**	**.0242**	**.0082**
Stddev	.0001	.0021	.0184	.0000	.0008	.0001	.0006	.0005	.0005
%RSD	.2994	5.537	58.67	.1236	29.08	397.0	69.28	1.912	5.841
#1	.0348	.0368	.0183	.0313	.0034	-.0001	.0005	.0245	.0078
#2	.0349	.0398	.0443	.0314	.0023	.0001	.0013	.0238	.0085

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0012**	**-.0038**	**-.0002**	**.0144**	**.0005**	**-.0009**
Stddev	.0001	.0001	.0003	.0000	.0012	.0001	.0003
%RSD	19.62	4.223	7.396	21.40	8.391	11.89	30.41
#1	.0002	.0012	-.0036	-.0001	.0136	.0005	-.0007
#2	.0003	.0012	-.0040	-.0002	.0153	.0005	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61873.**	**9698.9**	**1999.2**	**4369.4**
Stddev	8.	71.6	10.6	24.6
%RSD	.01289	.73835	.52997	.56250
#1	61879.	9648.3	1991.7	4352.0
#2	61867.	9749.6	2006.7	4386.8

Zoom In Zoom Out

Sample Name: mp80126-sd1 2 Acquired: 6/19/2014 13:58:50 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 289-2 (126)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9513**	**.0087**	**.0041**	**.1298**	**.3180**	**.5555**	**5.794**	**.2809**	**.0346**
Stddev	.0580	.0003	.0003	.0019	.0057	.0135	.116	.0023	.0099
%RSD	6.097	3.638	7.775	1.495	1.783	2.439	2.008	.8094	28.61
#1	.9103	.0084	.0039	.1312	.3140	.5459	5.711	.2825	.0276
#2	.9923	.0089	.0043	.1284	.3220	.5651	5.876	.2793	.0416

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5232**	**.9798**	**.1181**	**.0121**	**.5825**	**.0118**	**.0122**	**180.5**	**15.80**
Stddev	.0111	.0065	.0038	.0085	.0053	.0058	.0002	10.9	.92
%RSD	2.121	.6630	3.233	70.52	.9178	48.57	1.314	6.051	5.832
#1	.5154	.9844	.1208	.0060	.5863	.0078	.0123	172.8	15.15
#2	.5311	.9752	.1154	.0181	.5787	.0159	.0121	188.2	16.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**338.2**	**50.51**	**18.32**	**3.061**	**.0796**	**.0082**	**.0036**	**2.347**	**.0369**
Stddev	20.2	2.61	1.15	.197	.0023	.0007	.0083	.031	.0024
%RSD	5.982	5.172	6.251	6.440	2.894	8.411	232.2	1.331	6.403
#1	323.9	48.67	17.51	2.922	.0812	.0077	-.0023	2.369	.0385
#2	352.5	52.36	19.13	3.201	.0780	.0087	.0094	2.325	.0352

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1246**	**3.902**	**-.0142**	**.0692**	**1.510**	**.0013**	**.2717**
Stddev	.0073	.085	.0057	.0022	.022	.0021	.0169
%RSD	5.855	2.180	40.21	3.198	1.440	158.2	6.224
#1	.1194	3.841	-.0102	.0676	1.525	.0029	.2597
#2	.1297	3.962	-.0182	.0707	1.494	-.0002	.2837

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60138.**	**9177.0**	**1965.0**	**4090.6**
Stddev	1015.	432.1	15.1	27.9
%RSD	1.6882	4.7081	.76921	.68214
#1	60856.	9482.5	1954.3	4070.8
#2	59420.	8871.5	1975.7	4110.3

Zoom In Zoom Out

Sample Name: mp80099-mb2 2 Acquired: 6/19/2014 14:04:52 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 1/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0013**	**.0001**	**.0002**	**.0003**	**.0012**	**.0011**	**.0013**	**.0006**	**-.0007**
Stddev	.0001	.0001	.0000	.0002	.0001	.0004	.0000	.0001	.0001
%RSD	4.252	66.26	3.266	82.96	7.322	31.56	.3360	24.42	11.83
#1	.0013	.0002	.0002	.0004	.0013	.0014	.0013	.0005	-.0007
#2	.0014	.0001	.0001	.0001	.0012	.0009	.0013	.0007	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0059**	**.0013**	**-.0002**	**.0004**	**.0012**	**.0003**	**.0459**	**.1461**
Stddev	.0000	.0002	.0014	.0000	.0001	.0018	.0003	.0056	.0011
%RSD	8.771	3.881	106.3	3.562	38.35	148.8	94.53	12.27	.7540
#1	.0004	.0061	.0022	-.0002	.0003	.0025	.0005	.0420	.1453
#2	.0004	.0057	.0003	-.0002	.0005	-.0001	.0001	.0499	.1469

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0946**	**.0603**	**.0429**	**.0374**	**.0003**	**-.0001**	**-.0000**	**.0320**	**.0308**
Stddev	.0028	.0058	.0011	.0026	.0003	.0002	.0005	.0006	.0003
%RSD	2.925	9.582	2.474	7.080	106.0	178.2	2405.	1.956	.8356
#1	.0966	.0562	.0422	.0355	.0005	.0000	-.0004	.0316	.0306
#2	.0927	.0644	.0437	.0392	.0001	-.0002	.0003	.0325	.0310

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0011**	**-.0061**	**-.0000**	**.0089**	**-.0001**	**-.0006**
Stddev	.0000	.0003	.0004	.0000	.0046	.0010	.0003
%RSD	4.378	27.63	6.250	126.5	51.39	1460.	56.00
#1	.0005	.0009	-.0058	-.0000	.0121	.0006	-.0003
#2	.0005	.0013	-.0063	-.0000	.0057	-.0008	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61530.**	**9584.0**	**1989.0**	**4320.8**
Stddev	29.	21.6	20.0	49.8
%RSD	.04792	.22527	1.0075	1.1527
#1	61551.	9599.2	2003.2	4356.0
#2	61509.	9568.7	1974.9	4285.6

Zoom In Zoom Out

Sample Name: mp80099-b2 Acquired: 6/19/2014 14:11:00 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 2/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.624**	**.0937**	**.0893**	**.8873**	**.3749**	**.4401**	**.9331**	**.9143**	**.0930**
Stddev	.001	.0004	.0001	.0008	.0016	.0001	.0005	.0009	.0001
%RSD	.0347	.4013	.0643	.0872	.4344	.0274	.0493	.1020	.1398
#1	3.624	.0934	.0893	.8867	.3738	.4402	.9327	.9149	.0929
#2	3.625	.0939	.0892	.8878	.3761	.4400	.9334	.9136	.0931

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8391**	**.9576**	**3.599**	**3.832**	**.9352**	**3.612**	**.8965**	**47.53**	**11.68**
Stddev	.0002	.0005	.006	.007	.0013	.002	.0011	.03	.02
%RSD	.0258	.0516	.1562	.1880	.1435	.0635	.1186	.0733	.1406
#1	.8393	.9580	3.595	3.837	.9342	3.613	.8957	47.51	11.69
#2	.8390	.9573	3.603	3.827	.9361	3.610	.8972	47.56	11.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.16**	**11.71**	**11.55**	**11.49**	**.0012**	**.0018**	**.0029**	**.0753**	**.0293**
Stddev	.04	.05	.02	.01	.0001	.0002	.0001	.0002	.0004
%RSD	.0764	.4486	.1828	.1237	8.958	8.646	4.887	.2834	1.345
#1	47.19	11.75	11.53	11.48	.0013	.0017	.0030	.0751	.0290
#2	47.13	11.68	11.56	11.50	.0012	.0019	.0028	.0754	.0295

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0034**	**.0152**	**.0007**	**.0246**	**-.0017**	**-.0002**
Stddev	.0000	.0002	.0009	.0000	.0015	.0000	.0003
%RSD	3.076	6.037	6.076	3.929	5.918	2.226	221.5
#1	.0004	.0036	.0158	.0006	.0236	-.0017	-.0004
#2	.0004	.0033	.0145	.0007	.0256	-.0017	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59763.**	**9517.5**	**1972.3**	**4069.0**
Stddev	70.	2.4	1.2	1.6
%RSD	.11766	.02491	.06192	.03842
#1	59813.	9519.2	1973.2	4070.1
#2	59714.	9515.8	1971.4	4067.9

Zoom In Zoom Out

Sample Name: mp80099-lc2 Acquired: 6/19/2014 14:16:57 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 3/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.395**	**.6934**	**.7658**	**.3598**	**.6164**	**.3355**	**2.952**	**1.651**	**.2160**
Stddev	.012	.0026	.0131	.0066	.0105	.0053	.036	.031	.0028
%RSD	.8259	.3813	1.717	1.848	1.700	1.584	1.208	1.873	1.301
#1	1.387	.6916	.7565	.3551	.6238	.3393	2.978	1.629	.2180
#2	1.404	.6953	.7751	.3645	.6090	.3318	2.927	1.673	.2140

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5696**	**1.623**	**.7834**	**1.474**	**1.363**	**.8424**	**.4402**	**51.96**	**33.33**
Stddev	.0075	.034	.0141	.028	.024	.0152	.0074	.42	.22
%RSD	1.323	2.070	1.806	1.923	1.740	1.800	1.671	.8147	.6699
#1	.5749	1.600	.7734	1.454	1.346	.8317	.4350	51.66	33.17
#2	.5643	1.647	.7934	1.494	1.380	.8531	.4454	52.26	33.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**67.75**	**19.49**	**16.89**	**3.786**	**.6463**	**.4151**	**.0027**	**4.043**	**.6412**
Stddev	.35	.10	.08	.026	.0103	.0069	.0004	.060	.0103
%RSD	.5183	.5084	.4815	.6760	1.596	1.673	15.62	1.484	1.600
#1	67.50	19.42	16.83	3.768	.6390	.4102	.0024	4.001	.6339
#2	68.00	19.56	16.95	3.804	.6536	.4201	.0030	4.085	.6484

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5887**	**1.734**	**.0033**	**.0521**	**1.162**	**-.0012**	**.0437**
Stddev	.0027	.022	.0007	.0008	.021	.0007	.0004
%RSD	.4545	1.257	21.94	1.478	1.802	52.60	.8579
#1	.5868	1.750	.0028	.0526	1.147	-.0017	.0439
#2	.5906	1.719	.0038	.0515	1.177	-.0008	.0434

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59953.**	**9428.3**	**1944.9**	**3934.6**
Stddev	671.	33.4	22.8	47.1
%RSD	1.1187	.35450	1.1734	1.1970
#1	59479.	9451.9	1961.0	3967.9
#2	60427.	9404.7	1928.8	3901.3

Zoom In Zoom Out

Sample Name: mp80099-s1 Acquired: 6/19/2014 14:22:52 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 4/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.715**	**.0953**	**.0910**	**.9153**	**.4168**	**.4502**	**1.193**	**.9614**	**.0970**
Stddev	.002	.0005	.0004	.0025	.0003	.0009	.001	.0014	.0000
%RSD	.0502	.5070	.4692	.2716	.0756	.2100	.0863	.1498	.0304
#1	3.716	.0956	.0907	.9136	.4166	.4509	1.193	.9604	.0970
#2	3.714	.0949	.0913	.9171	.4170	.4495	1.194	.9624	.0970

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8817**	**.9955**	**3.639**	**3.890**	**.9658**	**3.648**	**.7605**	**62.58**	**19.12**
Stddev	.0003	.0018	.009	.011	.0033	.001	.0007	.02	.07
%RSD	.0361	.1849	.2531	.2790	.3415	.0226	.0966	.0302	.3463
#1	.8815	.9942	3.632	3.882	.9635	3.647	.7600	62.59	19.17
#2	.8819	.9968	3.645	3.898	.9682	3.649	.7610	62.57	19.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**70.34**	**17.07**	**14.04**	**12.57**	**.0144**	**.0039**	**.0057**	**4.003**	**.0321**
Stddev	.28	.04	.04	.03	.0005	.0001	.0003	.003	.0007
%RSD	.4042	.2532	.3115	.2406	3.300	1.523	5.595	.0711	2.029
#1	70.54	17.10	14.07	12.59	.0147	.0039	.0055	4.001	.0317
#2	70.14	17.04	14.01	12.55	.0140	.0039	.0059	4.005	.0326

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0364**	**1.334**	**.0184**	**.0204**	**6.590**	**.0004**	**.0263**
Stddev	.0000	.001	.0007	.0001	.003	.0011	.0001
%RSD	.0900	.0769	3.817	.6983	.0486	282.9	.4371
#1	.0365	1.333	.0189	.0205	6.587	.0011	.0262
#2	.0364	1.335	.0179	.0203	6.592	-.0004	.0264

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59213.**	**9471.5**	**1957.0**	**3968.1**
Stddev	129.	37.8	3.9	8.6
%RSD	.21800	.39921	.19879	.21734
#1	59121.	9444.7	1959.8	3974.2
#2	59304.	9498.2	1954.3	3962.0

Zoom In Zoom Out

Sample Name: mp80099-s2 Acquired: 6/19/2014 14:28:47 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 5/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.703**	**.0954**	**.0919**	**.9124**	**.4112**	**.4508**	**1.178**	**.9526**	**.0976**
Stddev	.014	.0003	.0004	.0013	.0025	.0013	.005	.0037	.0004
%RSD	.3774	.3255	.4496	.1399	.5961	.2943	.4612	.3840	.4218
#1	3.713	.0952	.0922	.9133	.4130	.4518	1.182	.9552	.0978
#2	3.693	.0956	.0916	.9115	.4095	.4499	1.174	.9500	.0973

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8764**	**.9886**	**3.626**	**3.891**	**.9634**	**3.630**	**.7587**	**62.04**	**19.17**
Stddev	.0021	.0029	.014	.014	.0004	.016	.0024	.11	.13
%RSD	.2437	.2910	.3976	.3472	.0387	.4360	.3223	.1703	.6899
#1	.8779	.9906	3.636	3.900	.9632	3.641	.7604	62.12	19.07
#2	.8749	.9865	3.615	3.881	.9637	3.619	.7569	61.97	19.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**69.11**	**16.90**	**13.89**	**12.57**	**.0128**	**.0042**	**.0059**	**3.664**	**.0322**
Stddev	.27	.12	.01	.02	.0003	.0003	.0008	.014	.0001
%RSD	.3906	.7002	.0372	.1941	2.398	6.247	13.21	.3928	.2937
#1	68.92	16.81	13.89	12.59	.0126	.0044	.0053	3.674	.0321
#2	69.30	16.98	13.88	12.55	.0130	.0040	.0064	3.653	.0322

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0339**	**1.314**	**.0171**	**.0208**	**6.081**	**-.0003**	**.0252**
Stddev	.0000	.001	.0006	.0002	.028	.0005	.0008
%RSD	.0094	.0484	3.623	1.116	.4613	204.2	3.092
#1	.0339	1.314	.0175	.0206	6.101	-.0006	.0257
#2	.0339	1.313	.0167	.0209	6.061	.0001	.0246

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58601.**	**9344.8**	**1934.4**	**3930.2**
Stddev	81.	39.4	7.0	9.6
%RSD	.13866	.42161	.36089	.24475
#1	58544.	9372.7	1929.5	3923.4
#2	58658.	9317.0	1939.3	3937.0

Zoom In Zoom Out

Sample Name: jb69023-2 Acquired: 6/19/2014 14:34:43 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 6/10 Custom ID2: Custom ID3:
Comment: QC (099 PREP 2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0310**	**.0004**	**.0006**	**.0093**	**.0366**	**.0058**	**.2509**	**.0228**	**.0029**
Stddev	.0002	.0000	.0001	.0001	.0000	.0004	.0002	.0004	.0002
%RSD	.5454	4.746	18.39	1.062	.0632	6.876	.0618	1.617	6.560
#1	.0311	.0004	.0007	.0093	.0366	.0055	.2510	.0226	.0031
#2	.0309	.0004	.0005	.0094	.0366	.0060	.2508	.0231	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0354**	**.0581**	**.0123**	**.0019**	**.0105**	**.0017**	**.0011**	**13.72**	**6.991**
Stddev	.0001	.0000	.0002	.0004	.0013	.0001	.0012	.01	.003
%RSD	.2940	.0449	1.740	19.97	12.17	7.529	107.6	.0656	.0442
#1	.0355	.0580	.0122	.0016	.0115	.0016	.0020	13.71	6.988
#2	.0353	.0581	.0125	.0021	.0096	.0018	.0003	13.72	6.993

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.00**	**5.265**	**2.523**	**.8754**	**.0133**	**.0024**	**.0019**	**2.889**	**.0350**
Stddev	.02	.012	.019	.0051	.0010	.0001	.0000	.012	.0008
%RSD	.0775	.2278	.7702	.5832	7.282	2.779	1.669	.4278	2.413
#1	22.99	5.257	2.510	.8718	.0140	.0023	.0019	2.881	.0356
#2	23.01	5.274	2.537	.8790	.0126	.0024	.0019	2.898	.0344

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0303**	**1.638**	**-.0037**	**.0161**	**6.821**	**.0011**	**.0228**
Stddev	.0002	.002	.0002	.0002	.009	.0001	.0010
%RSD	.5638	.1123	4.476	.9699	.1297	10.61	4.389
#1	.0302	1.640	-.0036	.0160	6.814	.0012	.0235
#2	.0305	1.637	-.0038	.0162	6.827	.0010	.0221

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61354.**	**9613.5**	**1999.7**	**4193.9**
Stddev	23.	24.2	11.5	17.4
%RSD	.03679	.25150	.57521	.41496
#1	61338.	9630.6	2007.8	4206.2
#2	61370.	9596.4	1991.5	4181.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 14:40:49 Type: QC
Method: Accutest1(v273) 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	**2.056**	**2.079**	**2.044**	**2.052**	**2.090**	**1.995**	**2.101**	**2.091**	**.2447**
Stddev	.007	.004	.004	.005	.010	.004	.012	.006	.0009
%RSD	.3355	.2131	.2097	.2228	.4844	.1815	.5701	.2837	.3758
#1	2.051	2.075	2.041	2.049	2.083	1.998	2.092	2.086	.2453
#2	2.061	2.082	2.047	2.055	2.098	1.993	2.109	2.095	.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	**2.041**	**2.104**	**2.029**	**2.126**	**2.108**	**2.037**	**2.038**	**40.51**	**41.14**
Stddev	.007	.004	.001	.010	.005	.001	.004	.11	.02
%RSD	.3532	.1939	.0515	.4585	.2625	.0520	.1708	.2611	.0427
#1	2.036	2.101	2.030	2.119	2.104	2.038	2.036	40.43	41.13
#2	2.046	2.107	2.028	2.133	2.111	2.036	2.041	40.58	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	**40.75**	**40.24**	**40.45**	**40.57**	**2.076**	**2.083**	**2.028**	**5.078**	**2.111**
Stddev	.02	.15	.07	.10	.005	.001	.005	.004	.003
%RSD	.0466	.3708	.1785	.2503	.2568	.0441	.2424	.0890	.1176
#1	40.74	40.14	40.40	40.50	2.072	2.082	2.031	5.075	2.109
#2	40.77	40.35	40.50	40.64	2.080	2.084	2.024	5.081	2.112
Check ?	Chk Pass	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: 6/19/2014 14:40:49 Type: QC
Method: Accutest1(v273) 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	**2.061**	**2.048**	**2.024**	**2.037**	**2.025**	**2.016**	**2.007**
Stddev	.005	.004	.011	.006	.004	.000	.008
%RSD	.2231	.1910	.5599	.2801	.1805	.0085	.3948
#1	2.057	2.045	2.016	2.033	2.028	2.016	2.002
#2	2.064	2.051	2.032	2.041	2.023	2.016	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	**56799.**	**9188.9**	**1874.8**	**3786.5**
Stddev	51.	12.4	3.4	11.2
%RSD	.08956	.13520	.18093	.29665
#1	56835.	9197.7	1877.2	3794.5
#2	56763.	9180.1	1872.4	3778.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 14:46:44 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**-.0000**	**.0008**	**.0000**	**.0002**	**.0002**	**-.0000**
Stddev	.0001	.0000	.0000	.0000	.0002	.0004	.0000	.0001	.0002
%RSD	29.21	13.33	4.770	593.7	25.80	1249.	12.34	47.35	1294.
#1	.0001	.0001	.0003	.0000	.0009	-.0002	.0001	.0003	.0001
#2	.0002	.0002	.0003	-.0000	.0007	.0003	.0002	.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**	**.0001**	**.0008**	**.0002**	**-.0009**	**-.0017**	**.0009**	**.0054**	**.0022**
Stddev	.0003	.0002	.0002	.0006	.0001	.0000	.0004	.0029	.0016
%RSD	1517.	254.8	27.54	261.4	12.87	.5848	48.40	52.91	72.40
#1	-.0002	-.0000	.0009	-.0002	-.0008	-.0017	.0012	.0034	.0011
#2	.0002	.0002	.0006	.0006	-.0010	-.0017	.0006	.0074	.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	**.0031**	**.0076**	**.0337**	**-.0078**	**.0002**	**.0007**	**-.0001**	**.0023**	**.0002**
Stddev	.0000	.0155	.0252	.0034	.0005	.0001	.0011	.0001	.0009
%RSD	.0468	204.3	74.74	43.14	215.1	10.63	921.9	4.827	488.4
#1	.0031	-.0034	.0159	-.0102	.0006	.0008	.0007	.0023	.0009
#2	.0031	.0186	.0516	-.0054	-.0001	.0007	-.0009	.0022	-.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: 6/19/2014 14:46:44 Type: QC
Method: Accutest1(v273) 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**	**.0003**	**.0051**	**.0004**	**.0004**	**.0008**	**-.0006**
Stddev	.0000	.0001	.0010	.0000	.0001	.0000	.0006
%RSD	8.858	37.51	19.55	1.766	29.35	2.287	117.2
#1	.0002	.0002	.0058	.0004	.0005	.0008	-.0001
#2	.0002	.0004	.0044	.0004	.0003	.0008	-.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	**62448.**	**9635.8**	**2015.1**	**4364.7**
Stddev	73.	31.3	10.6	21.1
%RSD	.11652	.32458	.52375	.48327
#1	62500.	9613.7	2007.7	4349.7
#2	62397.	9657.9	2022.6	4379.6

Zoom In Zoom Out

Sample Name: mp80099-sd1 Acquired: 6/19/2014 14:52:55 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: 7/10 Custom ID2: Custom ID3:
Comment: Dil 023-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0315**	**.0006**	**.0011**	**.0084**	**.0364**	**.0065**	**.2584**	**.0223**	**.0023**
Stddev	.0005	.0005	.0004	.0000	.0013	.0000	.0006	.0008	.0003
%RSD	1.684	75.63	40.09	.0812	3.435	.3775	.2193	3.742	13.39
#1	.0319	.0010	.0014	.0084	.0373	.0065	.2580	.0217	.0021
#2	.0311	.0003	.0008	.0084	.0355	.0065	.2588	.0229	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0370**	**.0644**	**.0138**	**-.0007**	**.0087**	**-.0012**	**.0048**	**14.17**	**7.212**
Stddev	.0008	.0005	.0012	.0044	.0015	.0008	.0054	.06	.091
%RSD	2.204	.7886	8.545	581.7	16.76	65.46	112.0	.4252	1.268
#1	.0364	.0648	.0146	.0023	.0077	-.0006	.0086	14.21	7.277
#2	.0376	.0640	.0129	-.0038	.0098	-.0018	.0010	14.13	7.148

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.76**	**5.460**	**2.663**	**.8440**	**.0156**	**.0034**	**.0054**	**2.939**	**.0357**
Stddev	.13	.006	.030	.0031	.0028	.0002	.0020	.014	.0001
%RSD	.5521	.1124	1.124	.3635	18.20	5.977	37.17	.4606	.1659
#1	23.85	5.455	2.642	.8462	.0136	.0035	.0040	2.930	.0358
#2	23.67	5.464	2.684	.8419	.0177	.0032	.0068	2.949	.0357

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0309**	**1.682**	**-.0057**	**.0162**	**6.899**	**.0054**	**.0234**
Stddev	.0001	.001	.0020	.0000	.031	.0001	.0005
%RSD	.3197	.0716	33.95	.3064	.4448	2.486	1.951
#1	.0309	1.683	-.0044	.0162	6.877	.0053	.0231
#2	.0310	1.681	-.0071	.0161	6.921	.0055	.0237

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60952.**	**9439.2**	**1989.2**	**4276.3**
Stddev	16.	77.5	.9	9.9
%RSD	.02552	.82119	.04695	.23210
#1	60941.	9384.4	1989.8	4283.3
#2	60963.	9494.0	1988.5	4269.3

Zoom In Zoom Out

Sample Name: mp80099-ps1 Acquired: 6/19/2014 14:59:02 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 8/10 Custom ID2: Custom ID3:
Comment: PS 023-2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.045**	**.1023**	**.1085**	**.5478**	**.5408**	**.4996**	**.7215**	**.5477**	**.1018**
Stddev	.016	.0008	.0003	.0007	.0067	.0049	.0067	.0008	.0015
%RSD	.3251	.7383	.2450	.1351	1.244	.9866	.9273	.1409	1.504
#1	5.057	.1029	.1087	.5483	.5361	.4961	.7168	.5471	.1007
#2	5.034	.1018	.1083	.5473	.5456	.5031	.7262	.5482	.1029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5011**	**.6037**	**.5340**	**.1290**	**.5396**	**.5302**	**.5170**	**17.64**	**100.4**
Stddev	.0052	.0009	.0012	.0002	.0009	.0014	.0006	.03	.4
%RSD	1.029	.1462	.2235	.1204	.1695	.2679	.1172	.1865	.3515
#1	.4975	.6044	.5331	.1291	.5390	.5312	.5166	17.66	100.7
#2	.5047	.6031	.5348	.1289	.5403	.5292	.5175	17.61	100.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.77**	**102.7**	**102.2**	**97.19**	**1.054**	**.5333**	**.0017**	**2.746**	**.5421**
Stddev	.14	.2	.6	.44	.000	.0008	.0006	.004	.0022
%RSD	.5499	.1974	.5456	.4513	.0039	.1573	38.31	.1553	.4115
#1	25.87	102.9	102.6	97.50	1.054	.5327	.0012	2.743	.5406
#2	25.67	102.6	101.8	96.88	1.054	.5339	.0021	2.749	.5437

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5259**	**1.985**	**.0058**	**.0146**	**6.676**	**.0005**	**.0270**
Stddev	.0022	.018	.0005	.0000	.004	.0000	.0004
%RSD	.4093	.9301	8.499	.3378	.0542	7.111	1.422
#1	.5274	1.971	.0062	.0146	6.679	.0006	.0267
#2	.5244	1.998	.0055	.0146	6.674	.0005	.0272

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56402.**	**9167.0**	**1826.9**	**3594.2**
Stddev	550.	16.9	2.5	3.6
%RSD	.97469	.18406	.13442	.10026
#1	56791.	9155.1	1828.7	3596.7
#2	56014.	9179.0	1825.2	3591.6

Zoom In Zoom Out

Sample Name: jb69484-1 1 Acquired: 6/19/2014 15:04:59 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: rerun S High

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0165**	**.0061**	**.0012**	**.0613**	**.0116**	**.0145**	**7.139**	**.1854**	**.0122**
Stddev	.0006	.0001	.0001	.0008	.0002	.0012	.007	.0005	.0005
%RSD	3.791	1.228	7.500	1.242	1.942	8.081	.1012	.2689	4.167
#1	.0169	.0062	.0012	.0608	.0114	.0153	7.144	.1858	.0126
#2	.0160	.0061	.0011	.0619	.0117	.0136	7.133	.1851	.0118

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0217**	**.3860**	**.0105**	**.0028**	**.0054**	**.0015**	**-.0008**	**30.71**	**98.89**
Stddev	.0003	.0005	.0027	.0063	.0018	.0004	.0004	.06	.35
%RSD	1.576	.1332	25.78	227.8	33.14	118.1	48.86	.1944	.3572
#1	.0214	.3856	.0086	.0073	.0042	.0027	-.0010	30.75	99.14
#2	.0219	.3863	.0124	-.0017	.0067	.0002	-.0005	30.67	98.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**67.84**	**42.96**	**21.38**	**79.31**	**.3114**	**-.0009**	**.0234**	**18.97**	**-.0047**
Stddev	.29	.21	.16	.27	.0016	.0005	.0006	.04	.0026
%RSD	.4243	.4862	.7567	.3441	.5103	55.52	2.719	.2326	56.26
#1	68.05	43.11	21.49	79.50	.3125	-.0006	.0230	18.94	-.0066
#2	67.64	42.81	21.26	79.11	.3103	-.0013	.0239	19.00	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3180**	**.0016**	**.0009**	**.0009**	**267.2**	**.0026**	**.1241**
Stddev	.0006	.0005	.0036	.0002	.5	.0000	.0014
%RSD	.1954	31.49	401.1	23.43	.1724	.5884	1.095
#1	.3184	.0019	-.0016	.0008	266.9	.0026	.1251
#2	.3176	.0012	.0034	.0011	267.5	.0026	.1232

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59751.**	**9471.0**	**1955.4**	**4021.2**
Stddev	118.	31.9	3.0	7.9
%RSD	.19709	.33668	.15551	.19746
#1	59667.	9448.4	1957.6	4026.8
#2	59834.	9493.5	1953.3	4015.6

Zoom In Zoom Out

Sample Name: jb69484-2 Acquired: 6/19/2014 15:11:02 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S High

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0059**	**.0001**	**.0005**	**-.0002**	**.0013**	**.0005**	**.2139**	**.0025**	**.0011**
Stddev	.0004	.0002	.0003	.0003	.0007	.0002	.0025	.0003	.0002
%RSD	6.706	197.6	63.81	149.1	53.46	42.56	1.167	11.39	21.76
#1	.0062	.0003	.0007	-.0004	.0008	.0006	.2157	.0023	.0012
#2	.0056	-.0000	.0003	.0000	.0019	.0003	.2121	.0027	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0063**	**.0009**	**.0053**	**-.0024**	**.0000**	**.0006**	**.1114**	**240.8**
Stddev	.0006	.0009	.0047	.0011	.0009	.0021	.0004	.0064	6.1
%RSD	438.9	14.23	504.8	21.35	36.88	4209.	69.60	5.784	2.520
#1	.0006	.0069	-.0024	.0045	-.0030	.0015	.0009	.1069	245.1
#2	-.0003	.0056	.0042	.0061	-.0017	-.0014	.0003	.1160	236.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0061**	**16.31**	**22.36**	**103.1**	**.2928**	**-.0008**	**.0046**	**.5907**	**-.0014**
Stddev	.0019	.27	.56	2.6	.0003	.0003	.0033	.0028	.0017
%RSD	31.36	1.628	2.506	2.534	.1057	34.15	71.82	.4790	121.0
#1	.0047	16.50	22.76	105.0	.2930	-.0006	.0069	.5887	-.0025
#2	.0074	16.12	21.97	101.3	.2926	-.0010	.0023	.5927	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3444**	**-.0001**	**-.0176**	**-.0008**	**263.6**	**.0036**	**.1332**
Stddev	.0081	.0003	.0004	.0002	.6	.0005	.0041
%RSD	2.360	226.7	2.410	19.80	.2133	14.31	3.096
#1	.3502	-.0003	-.0173	-.0009	263.2	.0032	.1361
#2	.3387	.0001	-.0179	-.0007	264.0	.0040	.1303

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58492.**	**9219.1**	**1909.8**	**3959.3**
Stddev	582.	222.1	5.9	10.8
%RSD	.99480	2.4093	.30680	.27356
#1	58080.	9062.1	1913.9	3967.0
#2	58903.	9376.2	1905.6	3951.7

Zoom In Zoom Out

Sample Name: jb69023-1 2 Acquired: 6/19/2014 15:17:09 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 9/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1752**	**.0008**	**.0052**	**.0135**	**.0697**	**.1362**	**.2009**	**.0348**	**.0054**
Stddev	.0026	.0001	.0000	.0002	.0003	.0000	.0006	.0002	.0002
%RSD	1.485	6.504	.0537	1.478	.4616	.0130	.2876	.6346	4.171
#1	.1770	.0008	.0052	.0134	.0695	.1362	.2005	.0347	.0055
#2	.1733	.0008	.0052	.0137	.0700	.1362	.2013	.0350	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0745**	**.6929**	**.0238**	**.0026**	**.4115**	**.0027**	**.0003**	**32.41**	**7.509**
Stddev	.0005	.0003	.0000	.0011	.0012	.0011	.0003	.44	.059
%RSD	.6139	.0380	.0264	40.88	.2999	41.11	89.75	1.367	.7914
#1	.0741	.6927	.0238	.0034	.4123	.0019	.0005	32.72	7.551
#2	.0748	.6931	.0238	.0019	.4106	.0034	.0001	32.10	7.467

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**29.53**	**5.558**	**3.483**	**.7460**	**.0206**	**.0428**	**.0026**	**4.237**	**.0478**
Stddev	.40	.039	.061	.0136	.0004	.0001	.0016	.017	.0005
%RSD	1.354	.6980	1.739	1.825	2.040	.1884	59.68	.3922	1.016
#1	29.82	5.585	3.526	.7557	.0209	.0428	.0037	4.225	.0474
#2	29.25	5.530	3.441	.7364	.0203	.0429	.0015	4.249	.0481

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0458**	**1.696**	**-.0027**	**.0280**	**3.614**	**.0009**	**.0347**
Stddev	.0008	.005	.0009	.0001	.004	.0003	.0006
%RSD	1.799	.2819	33.45	.3777	.1140	29.35	1.813
#1	.0464	1.692	-.0020	.0281	3.612	.0007	.0351
#2	.0452	1.699	-.0033	.0279	3.617	.0011	.0342

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60732.**	**9568.0**	**1990.7**	**4139.7**
Stddev	19.	89.4	6.0	7.8
%RSD	.03099	.93392	.30166	.18802
#1	60718.	9504.8	1994.9	4145.2
#2	60745.	9631.2	1986.5	4134.2

Zoom In Zoom Out

Sample Name: jb69023-3 Acquired: 6/19/2014 15:23:13 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 10/10 Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0516**	**.0007**	**.0006**	**.0123**	**.0517**	**.0095**	**.3184**	**.0282**	**.0035**
Stddev	.0005	.0000	.0001	.0000	.0021	.0003	.0156	.0003	.0008
%RSD	.9064	5.092	22.90	.0162	4.049	3.603	4.891	.8905	23.30
#1	.0513	.0006	.0007	.0123	.0502	.0093	.3074	.0281	.0041
#2	.0520	.0007	.0005	.0123	.0532	.0098	.3294	.0284	.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0477**	**.0813**	**.0148**	**.0020**	**.0117**	**.0007**	**.0001**	**17.87**	**7.110**
Stddev	.0020	.0000	.0005	.0015	.0001	.0014	.0006	.06	.023
%RSD	4.155	.0501	3.496	73.13	.9755	206.5	746.6	.3303	.3198
#1	.0463	.0813	.0145	.0031	.0117	-.0003	.0005	17.83	7.094
#2	.0491	.0813	.0152	.0010	.0116	.0017	-.0004	17.91	7.126

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**30.72**	**7.555**	**3.586**	**.8918**	**.0159**	**.0025**	**.0041**	**2.981**	**.0365**
Stddev	.04	.055	.032	.0027	.0002	.0001	.0012	.001	.0006
%RSD	.1363	.7225	.8959	.3074	1.226	3.120	29.20	.0380	1.569
#1	30.69	7.516	3.563	.8899	.0160	.0025	.0033	2.981	.0361
#2	30.75	7.593	3.609	.8937	.0158	.0026	.0050	2.980	.0369

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0362**	**1.934**	**-.0042**	**.0189**	**9.556**	**.0023**	**.0332**
Stddev	.0000	.094	.0013	.0004	.009	.0004	.0001
%RSD	.1021	4.852	30.44	2.038	.0921	19.60	.2141
#1	.0362	1.867	-.0051	.0186	9.550	.0020	.0332
#2	.0363	2.000	-.0033	.0192	9.562	.0026	.0331

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59611.**	**9374.5**	**1989.5**	**4141.0**
Stddev	2413.	3.3	2.2	.5
%RSD	4.0484	.03566	.10817	.01311
#1	61317.	9372.1	1987.9	4141.4
#2	57904.	9376.8	1991.0	4140.7

Zoom In Zoom Out

Sample Name: mp80114-mb1 2 Acquired: 6/19/2014 15:29:16 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0000**	**-.0002**	**.0002**	**.0001**	**.0001**	**-.0000**	**-.0005**
Stddev	.0000	.0000	.0002	.0002	.0002	.0003	.0000	.0002	.0002
%RSD	71.50	47.57	351.5	148.6	80.09	273.2	6.156	404.3	47.37
#1	.0000	.0000	-.0001	-.0003	.0003	-.0001	.0001	.0001	-.0007
#2	.0000	.0000	.0002	.0000	.0001	.0003	.0001	-.0002	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0013**	**-.0004**	**-.0010**	**-.0013**	**-.0000**	**.0001**	**.0025**	**.0056**
Stddev	.0004	.0001	.0010	.0001	.0007	.0014	.0002	.0025	.0029
%RSD	308.9	7.977	230.5	11.14	49.33	3260.	296.6	100.9	50.81
#1	.0004	.0012	.0003	-.0009	-.0018	-.0011	-.0001	.0042	.0036
#2	-.0001	.0014	-.0012	-.0011	-.0009	.0010	.0002	.0007	.0076

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0096**	**-.0071**	**-.0192**	**-.0144**	**.0001**	**-.0003**	**.0003**	**.0097**	**.0004**
Stddev	.0009	.0191	.0085	.0022	.0003	.0001	.0009	.0001	.0000
%RSD	9.155	268.3	44.10	15.51	316.4	19.25	289.8	1.373	9.863
#1	.0090	-.0207	-.0132	-.0160	.0003	-.0003	-.0003	.0096	.0004
#2	.0103	.0064	-.0252	-.0128	-.0001	-.0004	.0009	.0098	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0000**	**-.0070**	**-.0002**	**.0020**	**-.0003**	**-.0010**
Stddev	.0000	.0002	.0002	.0002	.0004	.0007	.0002
%RSD	42.60	3182.	2.855	68.26	19.68	257.9	17.46
#1	.0001	-.0002	-.0069	-.0001	.0017	.0002	-.0009
#2	.0001	.0001	-.0071	-.0003	.0022	-.0008	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62327.**	**9534.5**	**2015.7**	**4373.2**
Stddev	63.	38.6	2.6	.2
%RSD	.10132	.40532	.12890	.00384
#1	62371.	9507.2	2013.9	4373.0
#2	62282.	9561.9	2017.5	4373.3

Zoom In Zoom Out

Sample Name: mp80114-mb2 Acquired: 6/19/2014 15:35:24 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0000**	**.0001**	**-.0000**	**.0004**	**.0003**	**.0001**	**.0001**	**-.0005**
Stddev	.0000	.0000	.0001	.0000	.0000	.0000	.0000	.0003	.0004
%RSD	25.62	77.20	108.5	36.95	9.386	.7485	3.780	194.9	90.75
#1	.0001	-.0001	.0000	-.0000	.0004	.0003	.0001	-.0000	-.0008
#2	.0002	-.0000	.0002	-.0000	.0004	.0003	.0001	.0003	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0013**	**.0004**	**-.0004**	**-.0008**	**.0012**	**.0002**	**-.0001**	**.0134**
Stddev	.0005	.0002	.0008	.0005	.0003	.0029	.0001	.0021	.0014
%RSD	229.4	15.54	204.4	137.7	39.50	234.4	63.70	2459.	10.30
#1	-.0005	.0015	.0009	-.0007	-.0010	.0033	.0003	.0014	.0124
#2	.0001	.0012	-.0002	-.0000	-.0006	-.0008	.0001	-.0016	.0144

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**.0187**	**-.0121**	**-.0091**	**-.0000**	**-.0001**	**.0001**	**.0110**	**-.0006**
Stddev	.0014	.0007	.0116	.0034	.0004	.0001	.0012	.0012	.0007
%RSD	54.49	3.789	96.05	37.58	1996.	97.58	1279.	10.59	112.8
#1	.0035	.0182	-.0039	-.0115	-.0003	-.0000	.0009	.0118	-.0001
#2	.0016	.0192	-.0203	-.0067	.0003	-.0003	-.0007	.0102	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0065**	**-.0003**	**.0030**	**-.0002**	**-.0011**
Stddev	.0000	.0002	.0001	.0001	.0030	.0003	.0002
%RSD	544.8	63.41	1.548	32.88	99.52	162.9	16.52
#1	-.0000	.0005	-.0065	-.0003	.0009	.0000	-.0010
#2	.0000	.0002	-.0064	-.0004	.0051	-.0003	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62094.**	**9516.9**	**2007.9**	**4352.8**
Stddev	569.	10.7	1.2	5.1
%RSD	.91663	.11272	.05968	.11712
#1	61692.	9509.3	2007.0	4349.2
#2	62497.	9524.4	2008.7	4356.4

Zoom In Zoom Out

Sample Name: mp80114-lc1 Acquired: 6/19/2014 15:41:31 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4998**	**.4939**	**.4807**	**.4743**	**.5036**	**.4674**	**.5017**	**.4927**	**.1781**
Stddev	.0009	.0015	.0010	.0010	.0022	.0012	.0055	.0021	.0012
%RSD	.1865	.3099	.2145	.2022	.4330	.2545	1.098	.4344	.6668
#1	.4992	.4928	.4800	.4736	.5051	.4682	.5056	.4912	.1789
#2	.5005	.4950	.4814	.4749	.5020	.4666	.4978	.4942	.1773

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4571**	**.5050**	**.4764**	**.5211**	**.4990**	**.4767**	**.4771**	**4.893**	**5.528**
Stddev	.0031	.0017	.0003	.0018	.0034	.0034	.0018	.010	.009
%RSD	.6776	.3458	.0660	.3536	.6809	.7109	.3819	.2045	.1580
#1	.4593	.5038	.4762	.5198	.4966	.4743	.4758	4.886	5.522
#2	.4549	.5062	.4767	.5224	.5014	.4791	.4784	4.900	5.534

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.529**	**5.269**	**9.587**	**9.779**	**.0085**	**.4924**	**.0019**	**.0766**	**.0009**
Stddev	.013	.012	.009	.000	.0000	.0012	.0019	.0008	.0000
%RSD	.2409	.2278	.0992	.0037	.1595	.2524	98.74	1.008	4.084
#1	5.520	5.277	9.594	9.780	.0085	.4915	.0006	.0760	.0010
#2	5.538	5.260	9.580	9.779	.0085	.4933	.0033	.0771	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4960**	**-.0023**	**.0007**	**.0030**	**.0000**	**.0002**
Stddev	.0000	.0053	.0005	.0000	.0032	.0002	.0003
%RSD	18.14	1.063	21.06	2.955	107.4	1343.	122.0
#1	-.0002	.4997	-.0027	.0007	.0053	-.0001	.0004
#2	-.0002	.4922	-.0020	.0006	.0007	.0002	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60391.**	**9383.6**	**1972.0**	**4154.8**
Stddev	469.	5.1	.6	2.3
%RSD	.77641	.05441	.03164	.05541
#1	60059.	9380.0	1972.4	4156.4
#2	60722.	9387.2	1971.6	4153.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 15:47:32 Type: QC
Method: Accutest1(v273) 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	**2.049**	**2.074**	**2.034**	**2.050**	**2.099**	**1.983**	**2.104**	**2.086**	**.2446**
Stddev	.008	.004	.005	.003	.007	.002	.006	.003	.0017
%RSD	.4112	.2047	.2385	.1682	.3369	.0985	.3016	.1543	.7004
#1	2.043	2.071	2.031	2.048	2.094	1.984	2.100	2.083	.2434
#2	2.055	2.077	2.038	2.053	2.104	1.981	2.109	2.088	.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	**2.042**	**2.105**	**2.021**	**2.120**	**2.103**	**2.020**	**2.021**	**40.45**	**41.11**
Stddev	.004	.000	.001	.003	.000	.003	.006	.17	.05
%RSD	.1920	.0131	.0229	.1609	.0021	.1557	.3013	.4087	.1210
#1	2.039	2.105	2.021	2.118	2.103	2.018	2.017	40.33	41.08
#2	2.045	2.104	2.022	2.123	2.103	2.023	2.025	40.56	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	**40.67**	**40.30**	**40.29**	**40.46**	**2.056**	**2.069**	**2.015**	**5.034**	**2.103**
Stddev	.07	.18	.08	.15	.003	.006	.001	.010	.003
%RSD	.1600	.4367	.1886	.3811	.1623	.2897	.0667	.2029	.1256
#1	40.62	40.42	40.23	40.35	2.054	2.065	2.014	5.027	2.101
#2	40.72	40.17	40.34	40.56	2.059	2.073	2.015	5.041	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 15:47:32 Type: QC
Method: Accutest1(v273) 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	**2.055**	**2.039**	**2.012**	**2.029**	**2.014**	**1.996**	**1.995**
Stddev	.006	.006	.015	.001	.003	.004	.011
%RSD	.2930	.3148	.7358	.0511	.1689	.1823	.5316
#1	2.050	2.035	2.001	2.030	2.012	1.993	1.988
#2	2.059	2.044	2.022	2.029	2.016	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	**56887.**	**9148.8**	**1892.1**	**3810.8**
Stddev	47.	8.6	7.1	15.1
%RSD	.08195	.09363	.37713	.39745
#1	56920.	9154.9	1897.2	3821.5
#2	56854.	9142.8	1887.1	3800.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 15:53:27 Type: QC
Method: Accutest1(v273) 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**	**.0003**	**.0002**	**.0001**	**-.0002**	**.0001**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0000	.0001	.0002	.0002	.0000	.0002	.0003
%RSD	11.77	.3624	15.26	37.96	154.3	108.3	21.84	172.8	225.0
#1	.0003	.0002	.0003	.0003	.0003	-.0003	.0001	-.0000	.0001
#2	.0003	.0002	.0003	.0002	-.0000	-.0000	.0001	.0002	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0016**	**-.0013**	**-.0004**	**-.0010**	**.0002**	**.0059**	**.0041**
Stddev	.0002	.0002	.0006	.0008	.0006	.0020	.0003	.0077	.0002
%RSD	280.6	111.1	40.79	63.27	145.3	200.7	159.8	131.2	4.361
#1	.0002	.0000	.0011	-.0007	-.0008	-.0024	-.0000	.0004	.0042
#2	-.0001	.0003	.0020	-.0019	.0000	.0004	.0003	.0114	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**.0112**	**.0081**	**-.0043**	**.0001**	**.0006**	**.0005**	**.0015**	**-.0004**
Stddev	.0012	.0305	.0084	.0021	.0001	.0001	.0013	.0002	.0006
%RSD	18.16	271.9	104.1	47.76	56.68	21.84	254.9	11.93	130.2
#1	.0072	.0327	.0140	-.0058	.0002	.0007	-.0004	.0014	-.0000
#2	.0055	-.0103	.0021	-.0028	.0001	.0005	.0014	.0017	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 15:53:27 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0051**	**.0004**	**-.0008**	**.0013**	**-.0008**
Stddev	.0000	.0004	.0029	.0002	.0016	.0012	.0001
%RSD	23.06	156.3	57.13	42.63	193.6	93.57	15.60
#1	.0002	-.0000	.0072	.0003	-.0020	.0004	-.0009
#2	.0002	.0005	.0030	.0005	.0003	.0021	-.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	**61451.**	**9425.3**	**2011.8**	**4345.6**
Stddev	152.	30.5	6.5	17.9
%RSD	.24691	.32337	.32445	.41131
#1	61344.	9446.9	2016.4	4358.2
#2	61558.	9403.8	2007.2	4333.0

Zoom In Zoom Out

Sample Name: mp80114-lc2 Acquired: 6/19/2014 15:59:37 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4835**	**.4774**	**.4643**	**.4569**	**.4861**	**.4522**	**.4854**	**.4745**	**.1723**
Stddev	.0007	.0023	.0007	.0002	.0017	.0026	.0015	.0001	.0003
%RSD	.1425	.4855	.1437	.0349	.3459	.5709	.3135	.0135	.1999
#1	.4840	.4790	.4648	.4568	.4849	.4540	.4865	.4744	.1726
#2	.4830	.4757	.4638	.4571	.4873	.4504	.4843	.4745	.1721

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4423**	**.4882**	**.4598**	**.5018**	**.4824**	**.4630**	**.4609**	**4.719**	**5.322**
Stddev	.0002	.0001	.0008	.0025	.0001	.0018	.0009	.001	.001
%RSD	.0344	.0229	.1642	.5051	.0288	.3846	.1930	.0100	.0123
#1	.4424	.4881	.4592	.5035	.4823	.4642	.4615	4.719	5.322
#2	.4422	.4883	.4603	.5000	.4825	.4617	.4603	4.719	5.323

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.342**	**5.120**	**9.279**	**9.449**	**.0077**	**.4776**	**.0009**	**.0317**	**.0014**
Stddev	.002	.009	.025	.030	.0005	.0012	.0003	.0002	.0002
%RSD	.0277	.1831	.2736	.3147	6.507	.2584	27.25	.6382	18.06
#1	5.343	5.127	9.261	9.470	.0073	.4768	.0011	.0315	.0012
#2	5.341	5.113	9.297	9.428	.0080	.4785	.0008	.0318	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4821**	**.0038**	**.0003**	**.0025**	**.0005**	**-.0005**
Stddev	.0000	.0003	.0009	.0000	.0010	.0010	.0000
%RSD	25.96	.0707	24.16	2.782	38.30	213.3	6.354
#1	-.0002	.4824	.0045	.0003	.0018	-.0002	-.0006
#2	-.0001	.4819	.0032	.0003	.0032	.0011	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60510.**	**9455.4**	**1975.8**	**4176.4**
Stddev	114.	1.7	.6	2.8
%RSD	.18796	.01778	.03054	.06802
#1	60430.	9456.6	1976.2	4174.4
#2	60591.	9454.3	1975.4	4178.4

Zoom In Zoom Out

Sample Name: mp80114-s1 Acquired: 6/19/2014 16:05:37 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.249**	**.0545**	**.0548**	**.5351**	**.2169**	**.2592**	**7.541**	**.5594**	**.0602**
Stddev	.005	.0001	.0010	.0088	.0012	.0016	.009	.0093	.0004
%RSD	.2387	.2138	1.760	1.647	.5339	.6315	.1191	1.670	.6009
#1	2.253	.0546	.0541	.5288	.2177	.2603	7.547	.5528	.0605
#2	2.246	.0544	.0555	.5413	.2161	.2580	7.535	.5660	.0600

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5002**	**.5520**	**2.225**	**2.272**	**.5556**	**2.213**	**.5528**	**2.119**	**101.7**
Stddev	.0016	.0083	.033	.036	.0115	.030	.0054	.001	.5
%RSD	.3298	1.505	1.484	1.566	2.075	1.342	.9846	.0234	.5397
#1	.5014	.5461	2.201	2.247	.5475	2.192	.5489	2.119	101.3
#2	.4990	.5579	2.248	2.297	.5638	2.234	.5566	2.119	102.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.34**	**39.40**	**29.65**	**34.11**	**.0214**	**.0013**	**.0046**	**4.786**	**-.0015**
Stddev	.02	.15	.03	.01	.0003	.0001	.0008	.074	.0005
%RSD	.1138	.3722	.1084	.0422	1.391	10.73	16.50	1.556	30.47
#1	20.33	39.30	29.63	34.10	.0212	.0012	.0051	4.733	-.0012
#2	20.36	39.51	29.67	34.12	.0216	.0014	.0041	4.838	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3991**	**.0010**	**.0148**	**.0001**	**5.510**	**-.0009**	**.0066**
Stddev	.0009	.0005	.0001	.0000	.083	.0006	.0002
%RSD	.2197	49.59	.6089	24.11	1.512	70.28	3.487
#1	.3997	.0013	.0148	.0001	5.451	-.0004	.0064
#2	.3984	.0006	.0147	.0001	5.568	-.0013	.0068

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57512.**	**9248.3**	**1853.7**	**3787.2**
Stddev	42.	62.5	21.1	49.3
%RSD	.07224	.67602	1.1359	1.3015
#1	57541.	9292.5	1868.6	3822.0
#2	57482.	9204.1	1838.8	3752.3

Zoom In Zoom Out

Sample Name: mp80114-s2 Acquired: 6/19/2014 16:11:34 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.221**	**.0542**	**.0541**	**.5271**	**.2143**	**.2585**	**7.487**	**.5518**	**.0588**
Stddev	.081	.0023	.0003	.0006	.0013	.0011	.032	.0008	.0006
%RSD	3.659	4.333	.5870	.1174	.6237	.4191	.4317	.1367	1.036
#1	2.278	.0559	.0539	.5266	.2134	.2577	7.464	.5512	.0593
#2	2.163	.0526	.0543	.5275	.2152	.2592	7.510	.5523	.0584

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4935**	**.5405**	**2.192**	**2.240**	**.5477**	**2.185**	**.5461**	**2.097**	**100.6**
Stddev	.0036	.0001	.005	.002	.0004	.008	.0026	.079	4.0
%RSD	.7328	.0216	.2439	.1024	.0651	.3683	.4805	3.766	3.948
#1	.4910	.5404	2.188	2.238	.5480	2.180	.5442	2.153	103.4
#2	.4961	.5406	2.195	2.241	.5475	2.191	.5479	2.041	97.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.22**	**38.87**	**29.24**	**33.67**	**.0211**	**.0013**	**.0041**	**4.743**	**-.0023**
Stddev	.77	1.39	1.19	1.31	.0001	.0003	.0001	.020	.0011
%RSD	3.821	3.574	4.078	3.887	.3394	20.08	1.272	.4116	47.01
#1	20.77	39.85	30.08	34.60	.0212	.0011	.0040	4.729	-.0030
#2	19.67	37.88	28.40	32.75	.0211	.0015	.0041	4.757	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3962**	**.0010**	**.0137**	**-.0001**	**5.456**	**.0000**	**.0057**
Stddev	.0149	.0004	.0002	.0001	.021	.0002	.0008
%RSD	3.770	46.60	1.565	75.20	.3845	526.0	14.79
#1	.4067	.0013	.0139	-.0002	5.441	-.0001	.0063
#2	.3856	.0006	.0136	-.0001	5.471	.0002	.0051

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57326.**	**9272.8**	**1852.0**	**3784.1**
Stddev	199.	321.0	8.3	16.2
%RSD	.34743	3.4620	.44824	.42932
#1	57467.	9045.8	1857.9	3795.6
#2	57185.	9499.8	1846.1	3772.6

Zoom In Zoom Out

Sample Name: jb69030-9f Acquired: 6/19/2014 16:17:32 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (114)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1394**	**-.0002**	**.0002**	**.0031**	**-.0000**	**.0005**	**7.128**	**.0132**	**.0065**
Stddev	.0088	.0001	.0000	.0000	.0004	.0001	.041	.0002	.0003
%RSD	6.312	35.40	17.84	.7733	1227.	28.93	.5813	1.508	3.968
#1	.1331	-.0001	.0002	.0031	-.0003	.0006	7.157	.0134	.0063
#2	.1456	-.0002	.0002	.0031	.0003	.0004	7.099	.0131	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0016**	**.0180**	**.0004**	**-.0005**	**.0027**	**-.0004**	**.0297**	**76.30**
Stddev	.0003	.0001	.0008	.0011	.0007	.0002	.0000	.0014	4.57
%RSD	77.22	5.424	4.378	241.9	124.8	5.667	5.820	4.751	5.994
#1	.0002	.0015	.0185	.0012	-.0010	.0026	-.0004	.0307	73.07
#2	.0006	.0016	.0174	-.0003	-.0001	.0028	-.0004	.0287	79.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.38**	**12.95**	**3.241**	**7.400**	**.0203**	**.0000**	**.0045**	**4.737**	**-.0016**
Stddev	1.20	.85	.191	.466	.0004	.0001	.0000	.004	.0000
%RSD	6.205	6.553	5.882	6.299	1.737	24200.	.3455	.0856	1.297
#1	18.53	12.35	3.106	7.070	.0201	.0001	.0045	4.740	-.0016
#2	20.23	13.55	3.376	7.729	.0206	-.0001	.0045	4.734	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4017**	**-.0002**	**.0001**	**.0005**	**5.396**	**.0002**	**.0037**
Stddev	.0250	.0002	.0005	.0000	.008	.0001	.0002
%RSD	6.228	101.5	384.9	3.918	.1553	48.69	6.071
#1	.3840	-.0001	.0005	.0005	5.390	.0001	.0035
#2	.4194	-.0003	-.0002	.0006	5.402	.0002	.0038

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58508.**	**9356.7**	**1901.8**	**3972.6**
Stddev	99.	500.3	.2	.3
%RSD	.16842	5.3468	.01250	.00834
#1	58438.	9710.5	1902.0	3972.9
#2	58578.	9003.0	1901.6	3972.4

Zoom In Zoom Out

Sample Name: mp80114-sd1 Acquired: 6/19/2014 16:23:37 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 030-9f

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1365**	**-.0000**	**.0009**	**.0032**	**.0000**	**.0025**	**7.196**	**.0129**	**.0044**
Stddev	.0014	.0001	.0005	.0001	.0006	.0006	.001	.0006	.0041
%RSD	1.021	657.5	57.01	1.864	4705.	23.20	.0093	4.706	93.82
#1	.1355	.0001	.0013	.0032	.0005	.0021	7.196	.0125	.0015
#2	.1374	-.0001	.0006	.0032	-.0004	.0029	7.195	.0133	.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0064**	**.0251**	**-.0015**	**.0004**	**-.0019**	**.0017**	**.0718**	**75.97**
Stddev	.0006	.0002	.0038	.0043	.0039	.0037	.0014	.0420	.35
%RSD	824.6	2.796	14.99	281.6	956.8	194.2	84.05	58.48	.4608
#1	.0003	.0063	.0277	-.0046	-.0023	.0007	.0007	.0421	76.22
#2	-.0005	.0066	.0224	.0015	.0031	-.0045	.0027	.1015	75.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.26**	**13.02**	**3.066**	**7.589**	**.0199**	**.0024**	**.0023**	**4.497**	**-.0013**
Stddev	.03	.17	.073	.023	.0025	.0010	.0067	.001	.0009
%RSD	.1795	1.296	2.376	.3023	12.36	43.29	292.1	.0190	65.77
#1	19.28	13.14	3.118	7.573	.0216	.0031	-.0024	4.497	-.0020
#2	19.23	12.90	3.015	7.605	.0181	.0016	.0070	4.496	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3949**	**-.0021**	**-.0259**	**-.0016**	**5.080**	**.0020**	**.0031**
Stddev	.0002	.0023	.0077	.0004	.017	.0049	.0032
%RSD	.0544	111.1	29.71	24.18	.3328	241.1	102.3
#1	.3951	-.0004	-.0205	-.0019	5.092	-.0014	.0053
#2	.3947	-.0037	-.0314	-.0014	5.068	.0055	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60515.**	**9322.4**	**1991.0**	**4262.4**
Stddev	111.	23.8	5.0	8.4
%RSD	.18309	.25511	.25303	.19805
#1	60437.	9305.6	1987.4	4256.4
#2	60593.	9339.2	1994.5	4268.4

Zoom In Zoom Out

Sample Name: jb69030-1 Acquired: 6/19/2014 16:29:44 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0508**	**.0000**	**.0177**	**.0001**	**.0008**	**.0093**	**.0105**	**.0043**	**.0013**
Stddev	.0020	.0000	.0000	.0001	.0003	.0004	.0001	.0003	.0001
%RSD	4.019	645.1	.2628	69.54	42.42	4.125	1.170	6.572	4.659
#1	.0523	.0000	.0177	.0001	.0010	.0090	.0104	.0045	.0012
#2	.0494	-.0000	.0177	.0000	.0006	.0095	.0105	.0041	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.5719**	**.0000**	**.0006**	**.0002**	**-.0003**	**.0010**	**.0149**	**17.49**
Stddev	.0002	.0015	.0004	.0004	.0001	.0010	.0011	.0031	.74
%RSD	275.4	.2658	824.4	79.86	37.26	306.0	111.0	20.57	4.235
#1	.0002	.5708	.0003	.0002	.0002	.0004	.0002	.0171	18.01
#2	-.0001	.5729	-.0002	.0009	.0001	-.0010	.0018	.0128	16.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0509**	**1.387**	**5.687**	**3.096**	**.0056**	**.0004**	**.0013**	**1.207**	**-.0006**
Stddev	.0010	.083	.246	.139	.0001	.0001	.0017	.002	.0007
%RSD	1.995	5.957	4.318	4.472	1.057	21.61	134.9	.1434	125.5
#1	.0516	1.446	5.861	3.194	.0057	.0004	.0025	1.206	-.0001
#2	.0501	1.329	5.514	2.998	.0056	.0003	.0001	1.209	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3612**	**-.0001**	**-.0067**	**-.0003**	**1.849**	**.0002**	**.0055**
Stddev	.0169	.0004	.0018	.0003	.003	.0007	.0006
%RSD	4.680	703.8	27.73	113.0	.1852	382.2	11.30
#1	.3732	.0002	-.0054	-.0001	1.847	.0007	.0060
#2	.3493	-.0003	-.0080	-.0005	1.852	-.0003	.0051

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**61112.**	**9308.2**	**1941.5**	**4180.0**
Stddev	537.	345.8	.9	2.7
%RSD	.87916	3.7156	.04420	.06369
#1	61492.	9063.6	1940.9	4181.9
#2	60732.	9552.7	1942.1	4178.1

Zoom In Zoom Out

Sample Name: jb69030-2 Acquired: 6/19/2014 16:35:50 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0862**	**-.0000**	**.0019**	**.0003**	**.0016**	**.0039**	**.0782**	**.0017**	**.0015**
Stddev	.0001	.0000	.0002	.0000	.0002	.0001	.0002	.0002	.0001
%RSD	.1638	271.2	8.445	2.672	13.80	3.389	.2274	14.20	8.861
#1	.0861	-.0000	.0018	.0003	.0018	.0038	.0780	.0015	.0014
#2	.0863	.0000	.0020	.0003	.0015	.0039	.0783	.0018	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0375**	**.0015**	**-.0000**	**.0028**	**.0016**	**.0017**	**.1012**	**99.77**
Stddev	.0002	.0003	.0010	.0001	.0001	.0021	.0004	.0002	.20
%RSD	78.06	.7177	64.13	148.4	4.951	127.5	25.36	.2091	.1991
#1	.0001	.0373	.0008	-.0001	.0029	.0031	.0014	.1010	99.91
#2	.0003	.0377	.0022	.0000	.0027	.0002	.0020	.1013	99.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1717**	**11.04**	**6.674**	**49.10**	**.0177**	**.0008**	**.0025**	**2.473**	**-.0001**
Stddev	.0015	.01	.028	.06	.0004	.0001	.0006	.010	.0001
%RSD	.8475	.1043	.4215	.1198	2.450	12.44	24.78	.3898	45.75
#1	.1728	11.04	6.694	49.14	.0174	.0008	.0030	2.466	-.0001
#2	.1707	11.03	6.654	49.06	.0180	.0007	.0021	2.480	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6355**	**.0016**	**-.0018**	**-.0004**	**26.24**	**.0005**	**.0077**
Stddev	.0004	.0002	.0005	.0000	.07	.0006	.0003
%RSD	.0574	14.77	28.67	11.92	.2681	122.2	3.646
#1	.6352	.0018	-.0021	-.0004	26.19	.0001	.0079
#2	.6358	.0015	-.0014	-.0004	26.29	.0010	.0075

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57820.**	**9302.4**	**1876.0**	**3879.6**
Stddev	103.	1.8	4.2	7.9
%RSD	.17733	.01934	.22122	.20308
#1	57893.	9303.7	1879.0	3885.1
#2	57748.	9301.1	1873.1	3874.0

Zoom In Zoom Out

Sample Name: jb69030-3 Acquired: 6/19/2014 16:41:57 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0800**	**-.0001**	**.0005**	**.0012**	**.0045**	**.0028**	**4.701**	**.0058**	**.0040**
Stddev	.0001	.0001	.0002	.0003	.0003	.0003	.010	.0001	.0002
%RSD	.1622	102.8	40.08	23.25	6.491	9.036	.2078	1.413	5.376
#1	.0799	-.0000	.0006	.0014	.0047	.0030	4.694	.0058	.0039
#2	.0801	-.0001	.0004	.0010	.0043	.0026	4.708	.0059	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0012**	**.0043**	**-.0009**	**.0005**	**.0018**	**.0007**	**.0504**	**54.65**
Stddev	.0001	.0002	.0002	.0006	.0006	.0020	.0009	.0068	.11
%RSD	17.19	12.17	3.722	66.99	111.3	111.9	141.0	13.57	.2036
#1	.0007	.0011	.0041	-.0014	.0009	.0032	.0013	.0553	54.57
#2	.0006	.0014	.0044	-.0005	.0001	.0004	.0000	.0456	54.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.934**	**8.943**	**1.918**	**26.97**	**.0197**	**-.0005**	**.0032**	**4.588**	**-.0014**
Stddev	.026	.006	.012	.03	.0001	.0000	.0000	.024	.0005
%RSD	.2624	.0664	.6464	.1135	.2820	10.15	.3735	.5156	34.63
#1	9.915	8.939	1.909	26.95	.0197	-.0005	.0032	4.571	-.0011
#2	9.952	8.947	1.926	26.99	.0198	-.0005	.0032	4.605	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2479**	**.0002**	**-.0019**	**-.0002**	**7.455**	**.0011**	**.0035**
Stddev	.0000	.0003	.0005	.0001	.027	.0003	.0000
%RSD	.0022	116.3	29.51	67.74	.3658	25.54	.6644
#1	.2479	.0004	-.0022	-.0001	7.436	.0012	.0035
#2	.2479	.0000	-.0015	-.0003	7.474	.0009	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58845.**	**9315.4**	**1909.1**	**3986.6**
Stddev	69.	.8	6.1	8.8
%RSD	.11689	.00863	.32176	.22129
#1	58796.	9314.8	1913.4	3992.8
#2	58893.	9316.0	1904.7	3980.3

Zoom In Zoom Out

Sample Name: jb69030-4 Acquired: 6/19/2014 16:48:04 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0833**	**-.0001**	**.0014**	**.0016**	**.0006**	**.0026**	**4.029**	**.0143**	**.0035**
Stddev	.0001	.0001	.0000	.0001	.0001	.0002	.003	.0001	.0002
%RSD	.0748	145.4	2.458	9.289	17.42	9.622	.0819	.4606	4.930
#1	.0834	-.0002	.0014	.0015	.0006	.0028	4.032	.0143	.0034
#2	.0833	.0000	.0014	.0017	.0007	.0024	4.027	.0144	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0063**	**.0097**	**.0003**	**.0026**	**.0016**	**.0004**	**.1342**	**58.83**
Stddev	.0003	.0000	.0001	.0009	.0016	.0021	.0001	.0050	.19
%RSD	37.70	.1449	1.332	265.0	61.34	134.3	34.55	3.741	.3301
#1	.0011	.0063	.0096	-.0003	.0037	.0001	.0005	.1377	58.69
#2	.0006	.0063	.0098	.0009	.0015	.0031	.0003	.1306	58.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.47**	**13.80**	**5.397**	**36.29**	**.0126**	**-.0001**	**.0038**	**4.556**	**-.0007**
Stddev	.03	.05	.026	.07	.0001	.0001	.0004	.042	.0003
%RSD	.3039	.3426	.4736	.1840	1.074	172.7	10.30	.9248	39.80
#1	11.44	13.77	5.378	36.24	.0127	-.0001	.0041	4.526	-.0005
#2	11.49	13.84	5.415	36.33	.0125	.0000	.0036	4.586	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3632**	**.0031**	**-.0011**	**-.0000**	**22.93**	**-.0001**	**.0142**
Stddev	.0006	.0004	.0006	.0004	.22	.0006	.0002
%RSD	.1732	12.75	53.13	1084.	.9553	386.4	1.607
#1	.3627	.0034	-.0007	-.0003	22.77	.0002	.0143
#2	.3636	.0029	-.0015	.0002	23.08	-.0005	.0140

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	58971.	9415.5	1908.8	3970.6
Stddev	67.	16.5	16.9	32.0
%RSD	.11433	.17541	.88358	.80607
#1	58923.	9427.2	1920.8	3993.2
#2	59018.	9403.8	1896.9	3947.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 16:54:11 Type: QC
Method: Accutest1(v273) 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	**2.024**	**2.042**	**2.027**	**2.042**	**2.052**	**1.945**	**2.064**	**2.083**	**.2401**
Stddev	.070	.072	.013	.014	.117	.110	.114	.014	.0115
%RSD	3.459	3.505	.6146	.6887	5.707	5.679	5.505	.6678	4.807
#1	2.074	2.093	2.019	2.032	2.135	2.023	2.144	2.074	.2483
#2	1.975	1.992	2.036	2.052	1.969	1.867	1.983	2.093	.2319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.094**	**2.018**	**2.108**	**2.104**	**2.020**	**2.021**	**39.95**	**40.53**
Stddev	.111	.017	.017	.007	.018	.016	.014	1.39	1.26
%RSD	5.527	.7869	.8163	.3234	.8364	.8052	.7142	3.471	3.102
#1	2.078	2.083	2.006	2.103	2.092	2.009	2.011	40.93	41.42
#2	1.921	2.106	2.030	2.113	2.116	2.032	2.032	38.97	39.64
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	**40.04**	**39.70**	**39.73**	**39.91**	**2.056**	**2.069**	**1.976**	**5.029**	**2.098**
Stddev	1.27	1.07	1.16	1.28	.010	.011	.112	.021	.015
%RSD	3.182	2.694	2.909	3.211	.4781	.5120	5.645	.4159	.7239
#1	40.94	40.45	40.55	40.81	2.049	2.062	2.055	5.014	2.087
#2	39.14	38.94	38.91	39.00	2.063	2.077	1.897	5.043	2.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 16:54:11 Type: QC
Method: Accutest1(v273) 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	**2.028**	**2.001**	**2.005**	**1.991**	**2.008**	**1.990**	**1.968**
Stddev	.070	.111	.027	.110	.011	.012	.071
%RSD	3.461	5.528	1.325	5.542	.5321	.5901	3.586
#1	2.077	2.079	1.986	2.069	2.000	1.982	2.018
#2	1.978	1.922	2.024	1.913	2.015	1.999	1.918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	57843.	9180.3	1890.1	3806.4
Stddev	2698.	205.1	8.0	16.8
%RSD	4.6639	2.2336	.42472	.44175
#1	55935.	9035.3	1895.8	3818.3
#2	59750.	9325.3	1884.4	3794.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 17:00:06 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0002**	**.0002**	**.0002**	**.0003**	**.0002**	**.0002**	**-.0004**
Stddev	.0003	.0000	.0001	.0000	.0002	.0003	.0000	.0000	.0005
%RSD	243.6	27.04	38.74	23.76	77.58	97.27	20.11	4.158	136.0
#1	.0003	.0002	.0001	.0001	.0003	.0005	.0002	.0002	-.0008
#2	-.0001	.0001	.0002	.0002	.0001	.0001	.0002	.0002	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0002**	**.0011**	**.0000**	**-.0008**	**.0003**	**.0008**	**.0140**	**.0005**
Stddev	.0001	.0001	.0001	.0001	.0005	.0005	.0009	.0051	.0024
%RSD	233.8	45.33	10.85	13080.	61.41	189.9	120.9	36.35	506.2
#1	.0000	.0001	.0011	.0000	-.0012	.0006	.0014	.0104	.0022
#2	-.0001	.0002	.0010	-.0000	-.0005	-.0001	.0001	.0176	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0143**	**.0252**	**-.0068**	**.0003**	**.0006**	**.0009**	**-.0002**	**-.0008**
Stddev	.0015	.0138	.0185	.0001	.0001	.0000	.0011	.0000	.0003
%RSD	148.5	96.65	73.60	1.285	21.77	5.611	124.7	12.01	36.19
#1	-.0000	.0241	.0383	-.0069	.0002	.0006	.0016	-.0002	-.0011
#2	.0020	.0045	.0121	-.0068	.0003	.0006	.0001	-.0002	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 17:00:06 Type: QC
Method: Accutest1(v273) 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**	**.0050**	**.0004**	**-.0015**	**.0007**	**-.0002**
Stddev	.0000	.0006	.0013	.0000	.0031	.0003	.0002
%RSD	15.80	804.2	25.69	1.844	212.4	40.07	87.12
#1	.0001	.0003	.0059	.0004	-.0037	.0005	-.0004
#2	.0001	-.0005	.0041	.0004	.0007	.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	**61158.**	**9287.8**	**2035.2**	**4380.9**
Stddev	52.	7.4	37.7	80.7
%RSD	.08542	.07982	1.8515	1.8409
#1	61122.	9282.6	2061.8	4438.0
#2	61195.	9293.1	2008.5	4323.9

Zoom In Zoom Out

Sample Name: jb69030-5 Acquired: 6/19/2014 17:06:16 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0203**	**.0001**	**.0005**	**.0009**	**.0024**	**.0031**	**.2567**	**.0021**	**.0002**
Stddev	.0005	.0000	.0000	.0001	.0003	.0008	.0073	.0003	.0004
%RSD	2.372	55.13	6.278	11.87	11.18	23.98	2.858	13.68	211.4
#1	.0200	.0000	.0005	.0008	.0026	.0037	.2619	.0019	-.0001
#2	.0206	.0001	.0005	.0010	.0022	.0026	.2515	.0024	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0078**	**.0001**	**-.0028**	**.0004**	**.0021**	**.0004**	**.2248**	**21.39**
Stddev	.0002	.0001	.0003	.0004	.0005	.0013	.0003	.0019	.06
%RSD	58.56	1.155	223.6	14.89	109.6	60.85	87.14	.8645	.2918
#1	.0004	.0079	.0003	-.0030	.0001	.0012	.0002	.2235	21.34
#2	.0002	.0078	-.0001	-.0025	.0008	.0030	.0006	.2262	21.43

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3736**	**4.006**	**1.561**	**182.2**	**.0231**	**.0011**	**.0019**	**2.404**	**-.0006**
Stddev	.0029	.048	.010	.7	.0004	.0001	.0007	.026	.0008
%RSD	.7723	1.197	.6451	.3669	1.567	13.34	33.77	1.093	138.8
#1	.3716	3.973	1.554	181.7	.0228	.0010	.0015	2.386	-.0012
#2	.3757	4.040	1.568	182.7	.0233	.0012	.0024	2.423	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0646**	**.0043**	**.0101**	**.0004**	**42.07**	**-.0000**	**.0012**
Stddev	.0005	.0006	.0016	.0003	.43	.0006	.0005
%RSD	.7398	13.82	16.22	65.60	1.014	1639.	40.44
#1	.0643	.0047	.0113	.0007	41.77	-.0004	.0015
#2	.0650	.0039	.0090	.0002	42.37	.0004	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56275.**	**9181.6**	**1865.1**	**3774.0**
Stddev	1324.	11.5	18.5	35.4
%RSD	2.3530	.12496	.99167	.93874
#1	55339.	9189.7	1878.2	3799.1
#2	57211.	9173.4	1852.0	3749.0

Zoom In Zoom Out

Sample Name: jb69030-6 Acquired: 6/19/2014 17:12:26 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1584**	**-.0002**	**-.0000**	**.0033**	**.0005**	**.0022**	**7.181**	**.0133**	**.0066**
Stddev	.0000	.0001	.0001	.0004	.0000	.0001	.014	.0002	.0003
%RSD	.0124	59.70	1085.	12.40	.0044	2.835	.1962	1.287	4.495
#1	.1584	-.0001	.0000	.0030	.0005	.0023	7.171	.0134	.0064
#2	.1584	-.0002	-.0000	.0035	.0005	.0022	7.191	.0132	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0047**	**.0306**	**-.0005**	**.0014**	**.0021**	**.0003**	**.0619**	**77.79**
Stddev	.0000	.0001	.0019	.0011	.0008	.0008	.0003	.0004	.08
%RSD	5.567	2.390	6.153	236.6	55.26	39.45	130.4	.5796	.1020
#1	.0009	.0048	.0319	-.0012	.0009	.0027	.0000	.0616	77.73
#2	.0008	.0047	.0293	.0003	.0020	.0015	.0005	.0621	77.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.26**	**13.14**	**3.363**	**7.621**	**.0213**	**.0002**	**.0046**	**4.875**	**-.0014**
Stddev	.04	.04	.001	.007	.0001	.0003	.0012	.004	.0001
%RSD	.1771	.3047	.0229	.0873	.6948	193.2	25.11	.0723	4.029
#1	25.23	13.11	3.362	7.616	.0214	-.0001	.0054	4.877	-.0013
#2	25.29	13.17	3.363	7.626	.0212	.0004	.0038	4.872	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4125**	**-.0001**	**.0025**	**.0002**	**5.582**	**-.0001**	**.0048**
Stddev	.0006	.0002	.0002	.0001	.001	.0000	.0005
%RSD	.1533	338.5	7.203	26.21	.0235	80.97	10.80
#1	.4129	.0001	.0024	.0002	5.581	-.0001	.0052
#2	.4120	-.0002	.0026	.0002	5.583	-.0000	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58141.**	**9232.5**	**1893.7**	**3957.6**
Stddev	52.	7.7	3.6	13.8
%RSD	.08881	.08331	.18761	.34787
#1	58178.	9227.1	1891.1	3947.8
#2	58105.	9238.0	1896.2	3967.3

Zoom In Zoom Out

Sample Name: jb69030-7 Acquired: 6/19/2014 17:18:30 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1262**	**-.0001**	**.0004**	**.0035**	**-.0000**	**.0170**	**7.836**	**.0032**	**.0057**
Stddev	.0030	.0000	.0001	.0004	.0002	.0003	.083	.0002	.0001
%RSD	2.393	18.95	16.65	10.65	4808.	1.610	1.054	5.495	1.780
#1	.1283	-.0001	.0005	.0037	-.0001	.0172	7.777	.0033	.0057
#2	.1241	-.0001	.0004	.0032	.0001	.0168	7.894	.0031	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0386**	**.0116**	**-.0010**	**.0002**	**.0036**	**.0007**	**.0347**	**93.94**
Stddev	.0002	.0009	.0005	.0006	.0004	.0001	.0001	.0071	1.89
%RSD	30.38	2.303	4.115	60.32	272.3	2.839	8.634	20.42	2.016
#1	.0004	.0392	.0119	-.0006	-.0001	.0035	.0007	.0297	95.28
#2	.0006	.0379	.0112	-.0014	.0005	.0036	.0007	.0397	92.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.603**	**13.16**	**5.108**	**11.19**	**.0150**	**.0001**	**.0016**	**4.667**	**-.0011**
Stddev	.032	.34	.087	.26	.0009	.0001	.0008	.100	.0006
%RSD	1.969	2.570	1.707	2.339	5.679	264.5	48.85	2.134	55.39
#1	1.625	13.40	5.170	11.38	.0156	.0001	.0011	4.737	-.0007
#2	1.580	12.92	5.047	11.01	.0144	-.0000	.0022	4.596	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5995**	**-.0000**	**.0007**	**-.0002**	**3.017**	**.0001**	**.0042**
Stddev	.0141	.0003	.0009	.0003	.067	.0003	.0002
%RSD	2.354	1048.	131.5	122.2	2.206	207.5	4.731
#1	.6095	-.0002	.0000	-.0000	3.064	.0003	.0043
#2	.5895	.0002	.0013	-.0004	2.970	-.0001	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57277.**	**9276.4**	**1874.2**	**3901.4**
Stddev	432.	173.7	36.1	71.0
%RSD	.75405	1.8726	1.9246	1.8211
#1	57583.	9153.6	1848.7	3851.2
#2	56972.	9399.3	1899.7	3951.6

Zoom In Zoom Out

Sample Name: jb69030-8 Acquired: 6/19/2014 17:24:35 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2922**	**.0002**	**.0045**	**.0047**	**.3271**	**.1075**	**.4404**	**.1660**	**.0033**
Stddev	.0042	.0000	.0000	.0000	.0066	.0024	.0085	.0014	.0003
%RSD	1.444	19.80	.4219	.4207	2.027	2.212	1.920	.8210	10.07
#1	.2952	.0001	.0045	.0047	.3318	.1092	.4464	.1651	.0035
#2	.2893	.0002	.0045	.0047	.3224	.1058	.4344	.1670	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0099**	**.3400**	**.0042**	**.0013**	**.1115**	**.0016**	**.0021**	**3.117**	**55.61**
Stddev	.0003	.0024	.0001	.0014	.0013	.0002	.0008	.014	.50
%RSD	3.504	.6975	3.415	110.9	1.209	11.73	38.55	.4401	.9001
#1	.0102	.3383	.0043	.0023	.1105	.0015	.0015	3.127	55.96
#2	.0097	.3417	.0041	.0003	.1124	.0017	.0027	3.108	55.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.493**	**6.351**	**5.482**	**50.13**	**.0394**	**.0032**	**.0066**	**7.960**	**.0023**
Stddev	.071	.063	.075	.62	.0000	.0003	.0010	.046	.0006
%RSD	1.090	.9990	1.373	1.229	.0387	9.469	14.41	.5776	26.89
#1	6.543	6.396	5.535	50.57	.0394	.0030	.0060	7.928	.0018
#2	6.443	6.306	5.429	49.69	.0394	.0035	.0073	7.993	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3890**	**.1730**	**.0016**	**.0014**	**7.412**	**-.0004**	**.0072**
Stddev	.0055	.0039	.0001	.0002	.046	.0001	.0008
%RSD	1.424	2.249	6.511	15.73	.6176	29.73	11.51
#1	.3930	.1758	.0016	.0015	7.380	-.0003	.0078
#2	.3851	.1703	.0017	.0012	7.445	-.0004	.0066

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57773.**	**9128.5**	**1914.8**	**3934.1**
Stddev	1065.	51.0	8.0	12.7
%RSD	1.8430	.55827	.41613	.32209
#1	57020.	9092.5	1920.4	3943.1
#2	58526.	9164.5	1909.1	3925.2

Zoom In Zoom Out

Sample Name: jb69030-9 Acquired: 6/19/2014 17:30:37 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1544**	**-.0001**	**.0001**	**.0031**	**.0002**	**.0025**	**7.165**	**.0125**	**.0064**
Stddev	.0005	.0001	.0000	.0002	.0001	.0002	.026	.0000	.0002
%RSD	.3557	57.57	45.04	7.427	69.17	9.427	.3566	.3050	3.176
#1	.1540	-.0001	.0001	.0032	.0001	.0027	7.147	.0126	.0062
#2	.1547	-.0002	.0001	.0029	.0002	.0023	7.183	.0125	.0065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0016**	**.0315**	**-.0015**	**.0015**	**.0046**	**.0007**	**.0514**	**75.84**
Stddev	.0003	.0001	.0005	.0009	.0004	.0007	.0009	.0132	.10
%RSD	35.14	3.192	1.461	60.75	23.70	15.81	126.0	25.76	.1268
#1	.0006	.0016	.0311	-.0009	.0013	.0051	.0014	.0421	75.77
#2	.0011	.0016	.0318	-.0021	.0018	.0041	.0001	.0608	75.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.68**	**12.80**	**3.178**	**7.289**	**.0195**	**.0002**	**.0034**	**4.737**	**-.0020**
Stddev	.05	.05	.005	.000	.0003	.0000	.0004	.002	.0001
%RSD	.1848	.3771	.1486	.0039	1.772	10.72	11.72	.0324	7.313
#1	24.65	12.77	3.181	7.289	.0192	.0002	.0037	4.736	-.0021
#2	24.72	12.84	3.174	7.289	.0197	.0002	.0031	4.738	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4009**	**.0005**	**-.0002**	**.0000**	**4.942**	**.0007**	**.0040**
Stddev	.0007	.0005	.0006	.0002	.005	.0001	.0000
%RSD	.1724	105.5	329.1	7320.	.1096	16.44	.6390
#1	.4014	.0001	-.0006	-.0001	4.946	.0008	.0039
#2	.4004	.0008	.0002	.0001	4.939	.0006	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58496.**	**9299.8**	**1906.4**	**3982.1**
Stddev	16.	19.1	.0	.5
%RSD	.02746	.20582	.00172	.01306
#1	58507.	9313.3	1906.4	3982.5
#2	58484.	9286.2	1906.4	3981.7

Zoom In Zoom Out

Sample Name: jb69030-10 Acquired: 6/19/2014 17:36:43 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0000**	**.0001**	**-.0003**	**.0003**	**.0000**	**.0002**	**-.0001**	**-.0003**
Stddev	.0001	.0001	.0000	.0001	.0002	.0002	.0001	.0002	.0000
%RSD	98.04	1474.	32.74	28.62	72.48	613.7	23.40	274.9	3.886
#1	.0000	-.0001	.0001	-.0002	.0002	-.0001	.0002	.0001	-.0003
#2	.0001	.0000	.0002	-.0003	.0005	.0002	.0003	-.0002	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0011**	**.0001**	**-.0008**	**-.0012**	**-.0008**	**-.0000**	**.0034**	**.0084**
Stddev	.0002	.0000	.0006	.0009	.0003	.0012	.0000	.0012	.0004
%RSD	416.7	.0818	624.3	110.8	25.64	153.8	1680.	33.71	4.650
#1	.0002	.0011	-.0003	-.0002	-.0010	.0001	-.0000	.0026	.0081
#2	-.0001	.0011	.0005	-.0015	-.0015	-.0017	.0000	.0042	.0087

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0030**	**.0237**	**.0039**	**.0035**	**-.0002**	**-.0005**	**.0005**	**.0130**	**-.0000**
Stddev	.0034	.0089	.0028	.0031	.0005	.0001	.0008	.0002	.0010
%RSD	113.9	37.65	71.97	89.79	279.1	29.07	155.7	1.790	2727.
#1	.0006	.0301	.0019	.0057	.0002	-.0004	.0011	.0132	.0007
#2	.0053	.0174	.0060	.0013	-.0005	-.0005	-.0001	.0129	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0005**	**-.0072**	**-.0003**	**.0042**	**-.0005**	**-.0008**
Stddev	.0000	.0000	.0004	.0001	.0011	.0001	.0002
%RSD	97.94	8.623	5.427	31.53	25.61	15.08	22.56
#1	.0000	.0005	-.0075	-.0004	.0035	-.0005	-.0010
#2	.0001	.0004	-.0069	-.0002	.0050	-.0004	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63330.**	**9620.2**	**2054.3**	**4445.9**
Stddev	300.	24.7	1.5	3.6
%RSD	.47430	.25699	.07113	.07988
#1	63117.	9602.7	2053.3	4448.4
#2	63542.	9637.7	2055.3	4443.4

Zoom In Zoom Out

Sample Name: jb69030-1f Acquired: 6/19/2014 17:42:52 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0489**	**-.0000**	**.0169**	**-.0001**	**.0005**	**.0088**	**.0064**	**.0043**	**.0007**
Stddev	.0001	.0001	.0000	.0000	.0002	.0002	.0001	.0002	.0001
%RSD	.2440	808.3	.0577	.6415	43.67	2.596	.9153	5.103	19.66
#1	.0490	.0000	.0169	-.0001	.0007	.0087	.0064	.0044	.0006
#2	.0488	-.0001	.0169	-.0001	.0004	.0090	.0063	.0041	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.5490**	**.0002**	**.0001**	**-.0005**	**-.0013**	**.0023**	**.0122**	**17.37**
Stddev	.0003	.0004	.0001	.0008	.0008	.0009	.0003	.0032	.04
%RSD	1096.	.0657	60.58	1623.	167.8	64.13	12.27	26.10	.2067
#1	.0002	.5488	.0001	.0006	.0001	-.0007	.0025	.0100	17.39
#2	-.0002	.5493	.0003	-.0005	-.0010	-.0019	.0021	.0145	17.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0334**	**1.363**	**5.620**	**3.078**	**.0052**	**.0002**	**.0013**	**1.211**	**-.0001**
Stddev	.0014	.023	.015	.015	.0002	.0002	.0006	.001	.0006
%RSD	4.243	1.659	.2585	.4736	4.550	77.88	47.18	.0940	830.7
#1	.0324	1.347	5.610	3.088	.0054	.0001	.0009	1.210	-.0005
#2	.0344	1.379	5.630	3.068	.0050	.0004	.0018	1.211	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3554**	**.0000**	**-.0058**	**-.0003**	**1.865**	**-.0005**	**.0046**
Stddev	.0016	.0002	.0008	.0000	.002	.0002	.0003
%RSD	.4494	356.9	14.46	13.30	.1142	49.02	5.961
#1	.3565	.0002	-.0064	-.0003	1.864	-.0003	.0044
#2	.3543	-.0001	-.0052	-.0002	1.867	-.0007	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60390.**	**9337.6**	**1968.9**	**4205.6**
Stddev	5.	10.4	2.0	3.4
%RSD	.00820	.11086	.10115	.08133
#1	60386.	9344.9	1970.3	4208.0
#2	60393.	9330.3	1967.5	4203.1

Zoom In Zoom Out

Sample Name: jb69030-2f Acquired: 6/19/2014 17:48:57 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0844**	**.0000**	**.0015**	**.0002**	**.0013**	**.0022**	**.0118**	**.0037**	**.0016**
Stddev	.0004	.0000	.0000	.0004	.0002	.0001	.0001	.0040	.0001
%RSD	.4363	151.1	3.070	183.1	18.64	6.359	.9956	108.4	8.290
#1	.0846	-.0000	.0015	-.0001	.0014	.0021	.0117	.0009	.0017
#2	.0841	.0000	.0015	.0005	.0011	.0023	.0118	.0066	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.2262**	**.0019**	**-.0000**	**.0009**	**.0013**	**.0006**	**.0327**	**100.9**
Stddev	.0000	.2771	.0013	.0017	.0018	.0008	.0002	.0058	.4
%RSD	24.09	122.5	66.76	13790.	214.2	64.68	33.82	17.62	.4394
#1	.0000	.0303	.0010	-.0012	-.0004	.0007	.0005	.0287	100.6
#2	.0001	.4221	.0029	.0012	.0021	.0018	.0008	.0368	101.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**11.15**	**6.805**	**49.50**	**.0181**	**.0003**	**.0011**	**2.430**	**-.0005**
Stddev	.0027	.12	.020	.00	.0003	.0003	.0009	.005	.0013
%RSD	47.13	1.045	.2967	.0069	1.438	82.95	82.23	.2163	239.8
#1	.0039	11.07	6.820	49.51	.0179	.0005	.0018	2.426	.0004
#2	.0078	11.23	6.791	49.50	.0183	.0001	.0005	2.433	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6475**	**-.0002**	**-.0036**	**-.0002**	**26.58**	**-.0005**	**.0059**
Stddev	.0015	.0002	.0005	.0001	.19	.0015	.0003
%RSD	.2296	91.92	13.66	41.70	.7229	325.6	4.748
#1	.6486	-.0004	-.0032	-.0001	26.44	-.0015	.0060
#2	.6465	-.0001	-.0039	-.0003	26.71	.0006	.0057

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**56756.**	**9076.9**	**1857.2**	**3829.2**
Stddev	85.	48.8	6.8	4.7
%RSD	.14984	.53817	.36703	.12214
#1	56816.	9111.4	1852.4	3825.9
#2	56696.	9042.4	1862.0	3832.5

Zoom In Zoom Out

Sample Name: jb69030-3f Acquired: 6/19/2014 17:55:03 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0728**	**-.0001**	**.0001**	**.0010**	**.0004**	**.0004**	**4.471**	**.0037**	**.0040**
Stddev	.0003	.0001	.0000	.0001	.0002	.0002	.014	.0001	.0004
%RSD	.4161	90.36	74.78	12.96	33.58	46.34	.3164	2.406	10.88
#1	.0726	-.0000	.0001	.0009	.0003	.0003	4.461	.0036	.0043
#2	.0730	-.0001	.0000	.0011	.0006	.0005	4.481	.0037	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0017**	**.0031**	**-.0010**	**.0005**	**.0030**	**-.0000**	**.0274**	**51.36**
Stddev	.0004	.0001	.0001	.0006	.0002	.0014	.0001	.0014	.21
%RSD	3041.	4.952	2.074	56.74	30.87	46.18	535.6	5.172	.4081
#1	-.0003	.0017	.0030	-.0006	.0004	.0020	-.0001	.0264	51.21
#2	.0003	.0016	.0031	-.0014	.0006	.0040	.0001	.0284	51.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.593**	**8.403**	**1.811**	**25.58**	**.0179**	**-.0002**	**.0042**	**4.328**	**-.0011**
Stddev	.010	.025	.019	.12	.0000	.0000	.0001	.019	.0002
%RSD	.1266	.3013	1.033	.4791	.0410	13.61	2.232	.4468	17.54
#1	7.586	8.386	1.798	25.50	.0179	-.0002	.0043	4.315	-.0010
#2	7.600	8.421	1.825	25.67	.0179	-.0003	.0041	4.342	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2347**	**.0001**	**-.0028**	**-.0002**	**7.072**	**-.0001**	**.0030**
Stddev	.0015	.0001	.0003	.0001	.021	.0004	.0001
%RSD	.6463	51.95	11.57	63.28	.2946	320.0	4.274
#1	.2336	.0001	-.0031	-.0003	7.057	-.0004	.0029
#2	.2358	.0002	-.0026	-.0001	7.087	.0001	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58531.**	**9371.8**	**1895.6**	**3970.1**
Stddev	73.	46.0	7.2	16.9
%RSD	.12479	.49060	.37862	.42600
#1	58582.	9404.3	1900.7	3982.0
#2	58479.	9339.3	1890.6	3958.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 18:01:11 Type: QC
Method: Accutest1(v273) 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	**2.036**	**2.066**	**2.002**	**2.017**	**2.075**	**1.965**	**2.099**	**2.063**	**.2414**
Stddev	.003	.003	.001	.002	.003	.003	.002	.002	.0011
%RSD	.1688	.1197	.0413	.1182	.1549	.1305	.1107	.0906	.4382
#1	2.033	2.065	2.003	2.019	2.077	1.963	2.100	2.065	.2407
#2	2.038	2.068	2.002	2.016	2.073	1.967	2.097	2.062	.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	**2.026**	**2.076**	**1.992**	**2.087**	**2.087**	**1.997**	**1.996**	**40.25**	**40.69**
Stddev	.003	.001	.002	.002	.002	.001	.002	.01	.04
%RSD	.1524	.0241	.1143	.1166	.0860	.0640	.0846	.0139	.0997
#1	2.028	2.076	1.990	2.086	2.086	1.998	1.995	40.25	40.66
#2	2.024	2.076	1.993	2.089	2.088	1.997	1.997	40.25	40.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.08**	**40.01**	**39.86**	**40.16**	**2.037**	**2.046**	**1.993**	**5.007**	**2.080**
Stddev	.03	.03	.16	.12	.003	.002	.001	.002	.002
%RSD	.0658	.0806	.4066	.2932	.1462	.0987	.0446	.0425	.0852
#1	40.06	40.04	39.75	40.07	2.035	2.044	1.993	5.005	2.078
#2	40.10	39.99	39.98	40.24	2.039	2.047	1.994	5.008	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 18:01:11 Type: QC
Method: Accutest1(v273) 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	**2.038**	**2.028**	**1.993**	**2.015**	**1.972**	**1.965**	**1.996**
Stddev	.005	.005	.015	.001	.007	.001	.011
%RSD	.2383	.2625	.7713	.0309	.3625	.0442	.5249
#1	2.035	2.032	1.982	2.015	1.967	1.964	1.988
#2	2.042	2.025	2.004	2.016	1.977	1.966	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	**57122.**	**9093.2**	**1910.0**	**3843.0**
Stddev	29.	19.7	2.8	3.0
%RSD	.05058	.21710	.14885	.07737
#1	57143.	9107.1	1912.0	3845.1
#2	57102.	9079.2	1908.0	3840.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 18:07:06 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 306/307

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0004**	**.0001**	**.0003**	**-.0002**	**.0002**	**.0001**	**-.0004**
Stddev	.0002	.0000	.0000	.0001	.0002	.0004	.0001	.0001	.0003
%RSD	69.41	12.87	10.04	84.16	62.00	216.0	23.55	96.35	69.42
#1	.0004	.0002	.0004	.0001	.0004	.0001	.0003	.0001	-.0006
#2	.0001	.0002	.0004	.0002	.0002	-.0005	.0002	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0008**	**-.0005**	**-.0011**	**.0001**	**-.0002**	**.0010**	**.0000**
Stddev	.0001	.0001	.0010	.0006	.0001	.0013	.0001	.0060	.0020
%RSD	84.49	27.34	125.8	116.2	13.87	1190.	67.68	627.0	112300.
#1	.0002	.0003	.0001	-.0009	-.0010	-.0008	-.0001	.0052	-.0014
#2	.0000	.0002	.0014	-.0001	-.0012	.0010	-.0003	-.0033	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0204**	**.0195**	**-.0047**	**.0001**	**.0007**	**-.0005**	**.0003**	**-.0001**
Stddev	.0022	.0256	.0089	.0056	.0002	.0002	.0010	.0001	.0003
%RSD	439.9	125.4	45.62	118.4	135.7	28.82	195.8	25.73	528.5
#1	-.0010	.0386	.0258	-.0008	.0003	.0008	.0002	.0002	-.0002
#2	.0020	.0023	.0132	-.0086	.0000	.0006	-.0012	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 18:07:06 Type: QC
Method: Accutest1(v273) 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**	**.0003**	**.0060**	**.0004**	**-.0013**	**.0005**	**-.0006**
Stddev	.0000	.0002	.0017	.0002	.0001	.0006	.0004
%RSD	22.49	86.11	28.62	39.16	5.308	108.2	70.28
#1	.0001	.0004	.0072	.0003	-.0013	.0009	-.0009
#2	.0002	.0001	.0048	.0006	-.0014	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61976.**	**9345.8**	**2034.8**	**4374.8**
Stddev	34.	43.2	1.5	8.0
%RSD	.05509	.46213	.07339	.18347
#1	62001.	9315.3	2035.9	4380.5
#2	61952.	9376.4	2033.8	4369.1

Zoom In Zoom Out

Sample Name: jb69030-4f Acquired: 6/19/2014 18:13:17 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0676**	**-.0001**	**.0006**	**.0015**	**.0003**	**.0010**	**4.087**	**.0139**	**.0031**
Stddev	.0018	.0000	.0000	.0001	.0004	.0001	.012	.0005	.0003
%RSD	2.600	24.33	5.087	8.515	168.8	12.69	.2804	3.653	10.90
#1	.0689	-.0001	.0006	.0014	.0006	.0009	4.095	.0142	.0029
#2	.0664	-.0001	.0006	.0016	-.0000	.0011	4.079	.0135	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0023**	**.0029**	**-.0015**	**.0003**	**.0024**	**-.0008**	**.0182**	**61.16**
Stddev	.0001	.0001	.0001	.0012	.0013	.0004	.0006	.0036	1.99
%RSD	55.21	5.566	1.944	77.85	418.7	18.61	78.48	19.86	3.255
#1	-.0001	.0022	.0030	-.0024	-.0006	.0021	-.0012	.0157	62.57
#2	-.0002	.0023	.0029	-.0007	.0013	.0027	-.0003	.0208	59.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3245**	**14.57**	**5.159**	**37.54**	**.0126**	**.0001**	**.0026**	**4.046**	**-.0010**
Stddev	.0131	.56	.162	1.17	.0003	.0001	.0002	.001	.0007
%RSD	4.045	3.825	3.147	3.109	2.654	60.58	7.346	.0262	74.90
#1	.3338	14.96	5.273	38.37	.0128	.0002	.0027	4.047	-.0015
#2	.3152	14.17	5.044	36.72	.0123	.0001	.0024	4.046	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3534**	**-.0001**	**.0046**	**.0001**	**22.87**	**.0001**	**.0148**
Stddev	.0111	.0008	.0006	.0002	.01	.0001	.0004
%RSD	3.130	595.2	12.36	240.8	.0368	128.7	2.629
#1	.3612	-.0007	.0050	.0002	22.87	.0000	.0146
#2	.3456	.0004	.0042	-.0001	22.88	.0002	.0151

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57867.**	**8941.3**	**1897.3**	**3946.4**
Stddev	55.	267.8	.9	1.2
%RSD	.09579	2.9957	.04703	.03153
#1	57827.	8751.9	1896.6	3947.3
#2	57906.	9130.7	1897.9	3945.6

Zoom In Zoom Out

Sample Name: jb69030-5f Acquired: 6/19/2014 18:19:24 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0139**	**-.0000**	**.0004**	**.0002**	**.0018**	**.0020**	**.0056**	**.0004**	**-.0000**
Stddev	.0001	.0000	.0001	.0000	.0001	.0004	.0000	.0000	.0001
%RSD	.7128	486.3	12.73	9.015	4.702	18.13	.1840	5.787	745.8
#1	.0139	.0000	.0005	.0002	.0019	.0017	.0056	.0004	-.0001
#2	.0140	-.0000	.0004	.0002	.0018	.0022	.0056	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0026**	**-.0011**	**-.0015**	**-.0000**	**-.0005**	**.0010**	**.0197**	**20.83**
Stddev	.0003	.0001	.0005	.0002	.0003	.0016	.0006	.0020	.15
%RSD	67.80	4.421	49.58	11.74	1203.	338.6	60.36	10.24	.7237
#1	-.0006	.0027	-.0014	-.0014	.0002	-.0016	.0006	.0183	20.73
#2	-.0002	.0026	-.0007	-.0017	-.0002	.0007	.0014	.0211	20.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0046**	**3.838**	**1.475**	**180.5**	**.0224**	**.0010**	**.0015**	**2.057**	**-.0005**
Stddev	.0005	.018	.016	3.7	.0004	.0001	.0002	.006	.0001
%RSD	10.73	.4683	1.104	2.059	1.636	8.494	11.84	.2972	25.10
#1	.0043	3.825	1.463	177.8	.0221	.0010	.0016	2.052	-.0004
#2	.0049	3.851	1.486	183.1	.0226	.0011	.0014	2.061	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0623**	**.0001**	**.0044**	**-.0003**	**41.60**	**-.0000**	**.0021**
Stddev	.0008	.0003	.0001	.0001	.06	.0007	.0001
%RSD	1.312	302.1	2.468	31.17	.1467	21860.	2.822
#1	.0618	.0004	.0044	-.0003	41.55	.0005	.0021
#2	.0629	-.0001	.0043	-.0004	41.64	-.0005	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**57284.**	**9271.9**	**1903.9**	**3846.4**
Stddev	28.	36.7	6.2	5.0
%RSD	.04826	.39622	.32340	.13129
#1	57265.	9297.9	1908.3	3849.9
#2	57304.	9246.0	1899.6	3842.8

Zoom In Zoom Out

Sample Name: jb69030-6f Acquired: 6/19/2014 18:25:38 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1378**	**-.0001**	**.0002**	**.0030**	**-.0000**	**.0002**	**7.195**	**.0123**	**.0059**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.003	.0004	.0004
%RSD	.0042	27.00	35.41	3.355	779.5	53.60	.0370	3.147	5.944
#1	.1378	-.0001	.0002	.0031	.0001	.0001	7.197	.0121	.0062
#2	.1378	-.0001	.0001	.0029	-.0001	.0003	7.193	.0126	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0018**	**.0154**	**-.0003**	**.0011**	**-.0005**	**-.0005**	**.0284**	**75.38**
Stddev	.0002	.0002	.0001	.0003	.0003	.0031	.0001	.0056	.16
%RSD	48.19	13.39	.4876	101.1	23.91	651.6	17.78	19.67	.2136
#1	.0006	.0020	.0153	-.0001	.0009	.0017	-.0004	.0245	75.26
#2	.0003	.0017	.0154	-.0005	.0013	-.0027	-.0005	.0324	75.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.38**	**12.81**	**3.127**	**7.262**	**.0203**	**.0002**	**.0031**	**4.626**	**-.0008**
Stddev	.06	.00	.018	.002	.0000	.0000	.0008	.002	.0001
%RSD	.3425	.0047	.5835	.0221	.1675	10.17	25.98	.0529	14.71
#1	17.34	12.81	3.140	7.260	.0203	.0002	.0025	4.624	-.0009
#2	17.42	12.81	3.114	7.263	.0202	.0002	.0037	4.628	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3971**	**-.0002**	**.0010**	**-.0001**	**4.961**	**-.0008**	**.0051**
Stddev	.0000	.0001	.0009	.0000	.004	.0004	.0015
%RSD	.0072	47.87	93.01	56.11	.0816	54.70	29.43
#1	.3971	-.0003	.0016	-.0000	4.964	-.0005	.0062
#2	.3971	-.0002	.0003	-.0001	4.958	-.0011	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58475.**	**9262.8**	**1910.7**	**3985.6**
Stddev	45.	11.0	3.9	10.0
%RSD	.07666	.11923	.20491	.25033
#1	58443.	9270.6	1913.5	3992.6
#2	58507.	9254.9	1908.0	3978.5

Zoom In Zoom Out

Sample Name: jb69030-7f Acquired: 6/19/2014 18:31:43 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1106**	**-.0001**	**.0001**	**.0033**	**-.0001**	**.0029**	**7.005**	**.0030**	**.0049**
Stddev	.0013	.0001	.0002	.0000	.0003	.0001	.033	.0000	.0003
%RSD	1.209	46.03	132.2	.4581	287.4	3.060	.4730	.2596	5.883
#1	.1097	-.0002	.0002	.0033	-.0003	.0030	7.029	.0030	.0051
#2	.1116	-.0001	.0000	.0033	.0001	.0029	6.982	.0030	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0329**	**.0054**	**.0004**	**.0013**	**.0022**	**.0004**	**.0332**	**84.58**
Stddev	.0002	.0007	.0010	.0008	.0001	.0008	.0014	.0020	.91
%RSD	380.5	2.121	18.15	213.6	8.660	36.40	311.0	5.929	1.081
#1	-.0002	.0324	.0047	-.0002	.0014	.0016	.0014	.0318	83.93
#2	.0001	.0334	.0061	.0009	.0012	.0027	-.0005	.0346	85.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4498**	**11.93**	**4.563**	**10.12**	**.0137**	**-.0001**	**.0029**	**4.229**	**-.0011**
Stddev	.0048	.13	.030	.11	.0001	.0001	.0009	.112	.0002
%RSD	1.070	1.067	.6659	1.046	.6944	64.27	29.80	2.656	18.85
#1	.4464	11.84	4.541	10.05	.0136	-.0001	.0035	4.150	-.0010
#2	.4532	12.02	4.584	10.20	.0138	-.0001	.0023	4.309	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5402**	**-.0001**	**-.0005**	**-.0002**	**2.680**	**.0003**	**.0032**
Stddev	.0059	.0002	.0008	.0001	.069	.0007	.0003
%RSD	1.088	268.1	154.0	54.08	2.572	268.0	9.314
#1	.5361	.0001	.0000	-.0001	2.631	-.0002	.0030
#2	.5444	-.0002	-.0011	-.0003	2.729	.0008	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59495.**	**9435.8**	**1921.0**	**3998.1**
Stddev	323.	111.3	46.3	87.0
%RSD	.54345	1.1797	2.4106	2.1755
#1	59266.	9514.5	1953.8	4059.6
#2	59724.	9357.1	1888.3	3936.6

Zoom In Zoom Out

Sample Name: jb69030-8f Acquired: 6/19/2014 18:37:48 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0877**	**.0000**	**.0021**	**.0007**	**.0050**	**.0277**	**.3235**	**.0140**	**.0005**
Stddev	.0002	.0000	.0000	.0002	.0003	.0001	.0004	.0001	.0004
%RSD	.2103	26.81	1.205	25.43	6.678	.4082	.1306	.8490	65.27
#1	.0879	.0000	.0021	.0006	.0047	.0278	.3232	.0141	.0008
#2	.0876	.0000	.0021	.0008	.0052	.0276	.3238	.0139	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0416**	**.0013**	**.0002**	**.0024**	**-.0008**	**.0009**	**.0474**	**46.10**
Stddev	.0002	.0003	.0006	.0017	.0006	.0007	.0002	.0002	.09
%RSD	19.69	.6289	43.17	967.6	23.40	93.13	23.98	.3397	.1888
#1	.0007	.0415	.0017	.0013	.0028	-.0013	.0007	.0475	46.16
#2	.0009	.0418	.0009	-.0010	.0020	-.0003	.0010	.0472	46.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0776**	**4.079**	**4.994**	**54.60**	**.0380**	**.0025**	**.0028**	**3.269**	**-.0014**
Stddev	.0029	.018	.020	.31	.0001	.0001	.0002	.004	.0005
%RSD	3.676	.4448	.3904	.5621	.2671	5.534	8.783	.1186	38.65
#1	.0756	4.091	5.007	54.81	.0379	.0024	.0030	3.272	-.0017
#2	.0797	4.066	4.980	54.38	.0381	.0026	.0026	3.267	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3531**	**.0007**	**-.0021**	**-.0000**	**7.378**	**-.0001**	**.0020**
Stddev	.0016	.0001	.0007	.0001	.004	.0006	.0007
%RSD	.4509	8.274	31.40	116.5	.0470	432.0	35.30
#1	.3542	.0007	-.0017	-.0000	7.376	.0003	.0015
#2	.3520	.0007	-.0026	-.0001	7.380	-.0006	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**58476.**	**9205.4**	**1916.7**	**3967.6**
Stddev	23.	12.5	2.3	3.9
%RSD	.03956	.13547	.11807	.09941
#1	58493.	9196.5	1915.1	3970.4
#2	58460.	9214.2	1918.3	3964.8

Zoom In Zoom Out

Sample Name: jb68928-1 Acquired: 6/19/2014 18:43:53 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4972**	**.0042**	**.0014**	**.0673**	**.1316**	**.3386**	**5.677**	**.1238**	**.0113**
Stddev	.0010	.0001	.0001	.0011	.0000	.0006	.016	.0022	.0012
%RSD	.2002	1.583	5.597	1.589	.0348	.1681	.2748	1.775	10.57
#1	.4965	.0042	.0013	.0681	.1317	.3382	5.666	.1254	.0122
#2	.4979	.0041	.0014	.0666	.1316	.3390	5.688	.1223	.0105

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1818**	**.5032**	**.0220**	**.0052**	**.3396**	**.0049**	**.0033**	**89.52**	**13.54**
Stddev	.0009	.0105	.0002	.0000	.0039	.0004	.0011	.16	.02
%RSD	.5191	2.083	.9861	.9361	1.162	7.248	32.08	.1810	.1473
#1	.1811	.5106	.0218	.0051	.3424	.0052	.0041	89.63	13.55
#2	.1825	.4958	.0221	.0052	.3368	.0047	.0026	89.40	13.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**134.5**	**27.17**	**11.24**	**.7033**	**.0604**	**.0021**	**.0033**	**3.443**	**.0509**
Stddev	.3	.22	.01	.0025	.0010	.0003	.0002	.080	.0012
%RSD	.2237	.7988	.0545	.3557	1.724	13.27	6.811	2.326	2.402
#1	134.7	27.32	11.23	.7015	.0612	.0019	.0035	3.500	.0518
#2	134.3	27.02	11.24	.7050	.0597	.0023	.0031	3.387	.0500

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1534**	**2.027**	**-.0013**	**.0548**	**.1644**	**.0015**	**.1280**
Stddev	.0003	.003	.0016	.0001	.0003	.0001	.0005
%RSD	.2092	.1578	126.2	.2338	.2111	8.746	.3791
#1	.1532	2.025	-.0024	.0547	.1642	.0014	.1277
#2	.1536	2.029	-.0001	.0549	.1647	.0016	.1284

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60091.**	**9487.6**	**2026.3**	**4036.2**
Stddev	49.	58.5	38.1	71.9
%RSD	.08149	.61609	1.8815	1.7815
#1	60126.	9446.3	1999.3	3985.3
#2	60057.	9529.0	2053.2	4087.0

Zoom In Zoom Out

Sample Name: jb68928-2 Acquired: 6/19/2014 18:49:54 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3460**	**.0032**	**.0009**	**.0487**	**.1038**	**.1137**	**1.736**	**.0917**	**.0090**
Stddev	.0010	.0001	.0002	.0002	.0004	.0008	.004	.0002	.0005
%RSD	.2850	2.909	15.96	.4080	.3936	.7068	.2266	.2084	5.138
#1	.3467	.0032	.0008	.0485	.1040	.1143	1.733	.0918	.0093
#2	.3453	.0031	.0010	.0488	.1035	.1132	1.739	.0915	.0087

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1692**	**.3060**	**.0226**	**.0037**	**.1452**	**.0043**	**-.0009**	**82.61**	**7.965**
Stddev	.0004	.0015	.0003	.0010	.0014	.0001	.0009	.12	.004
%RSD	.2235	.4827	1.300	28.34	.9925	2.061	99.02	.1424	.0518
#1	.1689	.3050	.0224	.0044	.1442	.0043	-.0016	82.70	7.968
#2	.1695	.3071	.0228	.0029	.1462	.0044	-.0003	82.53	7.962

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**123.9**	**20.51**	**11.99**	**1.786**	**.1005**	**.0029**	**.0039**	**4.293**	**.0342**
Stddev	.1	.00	.06	.002	.0005	.0004	.0004	.005	.0013
%RSD	.0810	.0211	.4995	.1177	.5416	12.04	9.614	.1099	3.781
#1	123.9	20.52	12.04	1.784	.1001	.0027	.0042	4.290	.0333
#2	123.8	20.51	11.95	1.787	.1009	.0032	.0036	4.297	.0352

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0987**	**1.942**	**-.0002**	**.0489**	**.4090**	**-.0001**	**.1002**
Stddev	.0006	.010	.0019	.0001	.0005	.0016	.0008
%RSD	.5644	.5067	980.2	.3025	.1138	1668.	.7817
#1	.0991	1.935	-.0015	.0490	.4087	.0010	.1008
#2	.0983	1.949	.0011	.0488	.4094	-.0012	.0997

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59385.**	**9317.8**	**1979.1**	**4008.0**
Stddev	63.	43.2	1.6	5.3
%RSD	.10602	.46323	.07959	.13284
#1	59341.	9287.3	1980.2	4011.8
#2	59430.	9348.3	1978.0	4004.2

Zoom In Zoom Out

Sample Name: jb68955-2 Acquired: 6/19/2014 18:55:54 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3930**	**.0221**	**.0012**	**.0657**	**.2617**	**.2076**	**2.753**	**.2554**	**.0059**
Stddev	.0050	.0002	.0002	.0017	.0002	.0011	.017	.0062	.0026
%RSD	1.264	.9023	15.16	2.521	.0742	.5381	.6315	2.412	43.68
#1	.3895	.0220	.0013	.0669	.2616	.2084	2.765	.2597	.0041
#2	.3965	.0223	.0010	.0646	.2619	.2068	2.741	.2510	.0078

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3817**	**.5388**	**.0352**	**.0109**	**.0459**	**.0048**	**-.0020**	**221.2**	**7.604**
Stddev	.0036	.0122	.0002	.0035	.0005	.0019	.0007	2.8	.062
%RSD	.9458	2.264	.6523	31.97	1.062	38.77	33.70	1.279	.8129
#1	.3843	.5475	.0353	.0084	.0463	.0035	-.0016	219.2	7.560
#2	.3792	.5302	.0350	.0133	.0456	.0061	-.0025	223.2	7.647

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**243.5**	**213.4**	**66.52**	**.4036**	**.0142**	**.0034**	**.0039**	**9.585**	**.0285**
Stddev	2.9	3.0	.80	.0060	.0001	.0000	.0010	.207	.0003
%RSD	1.188	1.406	1.205	1.497	.3852	.4356	26.99	2.156	1.006
#1	241.4	211.2	65.95	.3993	.0141	.0034	.0031	9.731	.0287
#2	245.5	215.5	67.09	.4078	.0142	.0034	.0046	9.439	.0283

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0445**	**2.300**	**.0078**	**.1435**	**.1028**	**-.0098**	**2.386**
Stddev	.0004	.012	.0009	.0002	.0078	.0007	.034
%RSD	.9029	.5388	11.44	.1480	7.612	7.427	1.409
#1	.0442	2.309	.0085	.1436	.1083	-.0093	2.362
#2	.0448	2.291	.0072	.1433	.0973	-.0103	2.410

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68116.**	**10970.**	**2277.1**	**3744.0**
Stddev	255.	113.	41.3	81.8
%RSD	.37494	1.0266	1.8149	2.1851
#1	67935.	11050.	2247.8	3686.2
#2	68297.	10891.	2306.3	3801.9

Zoom In Zoom Out

Sample Name: jb68955-3 Acquired: 6/19/2014 19:01:54 Type: Unk
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3797**	**.0130**	**.0031**	**.0916**	**.2237**	**.1372**	**2.747**	**.2036**	**.0096**
Stddev	.0004	.0001	.0002	.0000	.0005	.0014	.001	.0003	.0003
%RSD	.0922	1.077	7.315	.0011	.2220	1.022	.0443	.1393	3.215
#1	.3795	.0131	.0033	.0916	.2234	.1382	2.746	.2038	.0098
#2	.3800	.0129	.0029	.0916	.2241	.1362	2.748	.2034	.0094

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3756**	**2.727**	**.0485**	**.0134**	**.1493**	**.0062**	**-.0022**	**203.4**	**34.13**
Stddev	.0016	.005	.0030	.0000	.0018	.0002	.0006	.1	.08
%RSD	.4246	.1933	6.093	.2468	1.181	3.960	25.00	.0496	.2338
#1	.3744	2.724	.0506	.0135	.1505	.0063	-.0018	203.5	34.07
#2	.3767	2.731	.0464	.0134	.1480	.0060	-.0026	203.3	34.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**246.7**	**283.5**	**64.47**	**.7100**	**.0247**	**.0198**	**.0045**	**9.845**	**.0334**
Stddev	.0	.1	.06	.0010	.0003	.0000	.0016	.001	.0005
%RSD	.0096	.0337	.0960	.1341	1.293	.2015	36.02	.0103	1.640
#1	246.7	283.5	64.43	.7093	.0245	.0198	.0056	9.844	.0331
#2	246.7	283.4	64.52	.7107	.0249	.0198	.0033	9.845	.0338

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0786**	**1.926**	**.0077**	**.1232**	**.4592**	**-.0087**	**2.492**
Stddev	.0002	.001	.0008	.0004	.0024	.0013	.001
%RSD	.2815	.0397	9.774	.3551	.5272	15.18	.0285
#1	.0784	1.925	.0072	.1235	.4610	-.0078	2.491
#2	.0788	1.926	.0082	.1228	.4575	-.0096	2.492

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63866.**	**10403.**	**2136.2**	**3660.3**
Stddev	56.	14.	1.6	5.0
%RSD	.08760	.13745	.07450	.13719
#1	63826.	10413.	2135.1	3656.7
#2	63905.	10392.	2137.3	3663.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:07:55 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.061**	**1.953**	**1.974**	**2.105**	**1.978**	**2.121**	**2.022**	**.2440**
Stddev	.007	.008	.035	.035	.003	.002	.009	.035	.0008
%RSD	.3597	.3731	1.769	1.798	.1577	.1183	.4209	1.705	.3214
#1	2.038	2.055	1.929	1.949	2.108	1.976	2.127	1.998	.2445
#2	2.048	2.066	1.978	2.000	2.103	1.979	2.114	2.046	.2434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.024**	**1.946**	**2.038**	**2.041**	**1.951**	**1.945**	**40.33**	**40.65**
Stddev	.004	.034	.035	.036	.030	.031	.035	.11	.12
%RSD	.2056	1.679	1.804	1.776	1.493	1.606	1.799	.2833	.2983
#1	2.047	2.000	1.921	2.013	2.020	1.929	1.921	40.25	40.56
#2	2.041	2.048	1.971	2.064	2.063	1.973	1.970	40.41	40.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.90**	**39.86**	**40.06**	**40.22**	**1.989**	**2.002**	**2.005**	**4.881**	**2.030**
Stddev	.10	.17	.15	.15	.036	.034	.004	.083	.036
%RSD	.2571	.4322	.3681	.3661	1.811	1.703	.1854	1.698	1.791
#1	39.83	39.74	39.95	40.12	1.963	1.978	2.008	4.822	2.004
#2	39.97	39.98	40.16	40.33	2.014	2.026	2.002	4.939	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:07:55 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.042**	**1.947**	**2.040**	**1.921**	**1.913**	**1.993**
Stddev	.006	.003	.039	.002	.030	.030	.006
%RSD	.3070	.1367	1.992	.0890	1.584	1.583	.3206
#1	2.043	2.044	1.919	2.042	1.900	1.892	1.988
#2	2.052	2.040	1.974	2.039	1.943	1.935	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**56829.**	**9057.9**	**1959.8**	**3930.8**
Stddev	47.	11.4	26.0	55.2
%RSD	.08270	.12596	1.3282	1.4051
#1	56795.	9066.0	1978.2	3969.9
#2	56862.	9049.8	1941.4	3891.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 19:13:51 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0002**	**.0003**	**.0005**	**-.0003**	**.0003**	**-.0000**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0004	.0001	.0000	.0001	.0000
%RSD	69.05	22.56	53.63	20.62	75.91	44.70	12.04	332.1	10.40
#1	.0002	.0002	.0001	.0003	.0007	-.0004	.0003	.0000	-.0003
#2	.0001	.0003	.0003	.0002	.0002	-.0002	.0003	-.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**-.0000**	**.0000**	**-.0001**	**-.0011**	**.0004**	**.0074**	**.0073**
Stddev	.0002	.0000	.0003	.0010	.0005	.0009	.0007	.0012	.0006
%RSD	113.5	10.30	718.1	12280.	385.2	79.78	169.6	16.89	8.003
#1	.0003	.0005	-.0002	.0007	-.0005	-.0017	-.0001	.0082	.0077
#2	.0000	.0004	.0002	-.0007	.0002	-.0005	.0010	.0065	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0149**	**.0229**	**-.0018**	**-.0002**	**.0006**	**.0007**	**.0022**	**-.0003**
Stddev	.0012	.0276	.0073	.0020	.0001	.0003	.0001	.0009	.0002
%RSD	29.74	184.9	31.79	106.1	48.54	44.47	15.70	43.19	47.64
#1	.0031	-.0046	.0280	-.0032	-.0001	.0008	.0007	.0015	-.0005
#2	.0047	.0345	.0177	-.0005	-.0002	.0004	.0008	.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: 6/19/2014 19:13:51 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(1)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**.0060**	**.0007**	**-.0006**	**.0010**	**-.0005**
Stddev	.0000	.0004	.0027	.0003	.0018	.0002	.0004
%RSD	8.772	95.39	44.22	43.39	301.7	23.26	84.41
#1	.0002	.0001	.0079	.0009	-.0019	.0012	-.0002
#2	.0002	.0006	.0041	.0005	.0007	.0008	-.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	**62014.**	**9351.3**	**2054.7**	**4417.4**
Stddev	88.	72.2	7.8	11.4
%RSD	.14186	.77176	.37745	.25913
#1	62076.	9402.3	2049.2	4409.3
#2	61952.	9300.2	2060.1	4425.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 19:20:03 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2075**	**.0022**	**.0036**	**.0513**	**.0110**	**.0101**	**.0165**	**.0106**	**.0044**
Stddev	.0002	.0000	.0001	.0003	.0000	.0000	.0000	.0001	.0006
%RSD	.0765	.7948	3.816	.6593	.4528	.1168	.2141	.7651	13.88
#1	.2074	.0022	.0035	.0511	.0110	.0101	.0165	.0107	.0048
#2	.2076	.0022	.0037	.0516	.0111	.0101	.0165	.0106	.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	**.0509**	**.0239**	**.0088**	**.0111**	**.0025**	**.0109**	**.0062**	**.2042**	**5.018**
Stddev	.0001	.0000	.0004	.0009	.0002	.0001	.0002	.0069	.004
%RSD	.1146	.0294	4.863	8.235	7.060	1.359	3.057	3.382	.0858
#1	.0508	.0239	.0091	.0118	.0024	.0110	.0063	.2090	5.021
#2	.0509	.0239	.0085	.0105	.0027	.0108	.0060	.1993	5.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1053**	**4.950**	**4.882**	**4.968**	**.1047**	**.0214**	**.0563**	**.2037**	**.0110**
Stddev	.0040	.016	.013	.006	.0012	.0001	.0006	.0005	.0006
%RSD	3.833	.3157	.2555	.1219	1.126	.6437	1.119	.2211	5.692
#1	.1082	4.939	4.873	4.973	.1039	.0213	.0559	.2040	.0106
#2	.1025	4.961	4.891	4.964	.1055	.0215	.0568	.2033	.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: 6/19/2014 19:20:03 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	**.0104**	**.0491**	**.0101**	**.0450**	**.0209**	**.0200**
Stddev	.0001	.0000	.0006	.0002	.0003	.0006	.0005
%RSD	.6480	.1673	1.234	1.969	.5846	3.086	2.404
#1	.0108	.0104	.0495	.0102	.0449	.0204	.0197
#2	.0107	.0104	.0487	.0099	.0452	.0213	.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**60685.**	**9287.3**	**2007.9**	**4254.2**
Stddev	55.	22.9	3.4	4.2
%RSD	.09115	.24706	.16959	.09870
#1	60646.	9271.1	2010.3	4257.2
#2	60724.	9303.5	2005.5	4251.2

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 19:26:12 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0011**	**.0012**	**.0029**	**.0022**	**.0018**	**.0033**	**.0046**
Stddev	.0001	.0000	.0001	.0004	.0000	.0000	.0000	.0001
%RSD	1.253	4.492	8.157	14.83	1.545	2.009	.8414	1.572
#1	.0040	.0011	.0013	.0026	.0022	.0018	.0033	.0045
#2	.0040	.0010	.0011	.0033	.0022	.0017	.0033	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0020**	**.0117**	**.0035**	**.0016**	**.0019**	**.0054**	**.0035**
Stddev	.0005	.0001	.0001	.0000	.0010	.0001	.0015	.0009
%RSD	71.48	5.563	.6345	.3452	64.44	3.858	27.01	26.66
#1	.0011	.0020	.0117	.0036	.0009	.0020	.0044	.0041
#2	.0003	.0019	.0116	.0035	.0023	.0019	.0065	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0981**	**1.016**	**-.0010**	**.1132**	**1.949**	**.9777**	**.0103**	**-.0003**
Stddev	.0033	.001	.0025	.0254	.009	.0053	.0003	.0000
%RSD	3.346	.1343	257.0	22.41	.4461	.5376	2.465	6.678
#1	.0957	1.015	-.0027	.1312	1.943	.9740	.0105	-.0003
#2	.1004	1.017	.0008	.0953	1.955	.9814	.0101	-.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: 6/19/2014 19:26:12 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0011**	**-.0001**	**.0001**	**-.0000**	F **-.0044**	F **-.0004**	F **-.0010**
Stddev	.0016	.0005	.0006	.0000	.0000	.0002	.0001	.0013
%RSD	16660.	42.01	507.9	6.527	10.66	4.768	21.22	134.2
#1	.0011	-.0014	.0003	.0001	-.0000	-.0043	-.0004	-.0019
#2	-.0011	-.0008	-.0006	.0001	-.0000	-.0046	-.0003	-.0000
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0007**	F **-.0012**
Stddev	.0002	.0002
%RSD	36.98	17.63
#1	.0008	-.0010
#2	.0005	-.0013
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62331.**	**9427.3**	**2055.3**	**4402.0**
Stddev	37.	12.5	3.4	5.9
%RSD	.05865	.13208	.16362	.13398
#1	62306.	9436.1	2057.6	4406.2
#2	62357.	9418.5	2052.9	4397.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 19:32:23 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**-.0000**	**.0001**	**.0002**	**-.0001**	**.0000**	**.0000**	**-.0007**
Stddev	.0000	.0000	.0000	.0000	.0001	.0004	.0000	.0000	.0001
%RSD	191.0	33.55	76.59	50.05	66.20	468.6	534.5	198.3	18.58
#1	.0000	.0001	-.0001	.0001	.0001	-.0004	.0000	.0000	-.0006
#2	-.0000	.0001	-.0000	.0001	.0003	.0002	-.0000	-.0000	-.0007
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0196**	**-.0001**	**.0206**	**.0185**	**.0196**	**.4963**	**-.0059**
Stddev	.0000	.0001	.0010	.0011	.0009	.0000	.0009	.0181	.0013
%RSD	25.86	51.37	5.214	1951.	4.548	.2297	4.545	3.647	21.31
#1	-.0001	.0002	.0188	-.0008	.0212	.0185	.0202	.5091	-.0068
#2	-.0001	.0003	.0203	.0007	.0199	.0185	.0190	.4835	-.0050
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5079**	**.0510**	**-.0050**	**-.0120**	**-.0007**	**-.0003**	**-.0000**	**-.0012**	**-.0010**
Stddev	.0115	.0091	.0027	.0012	.0002	.0001	.0006	.0004	.0001
%RSD	2.274	17.79	54.90	10.18	26.19	17.36	1284.	30.27	7.391
#1	.5160	.0446	-.0030	-.0111	-.0005	-.0003	.0004	-.0014	-.0009
#2	.4997	.0574	-.0069	-.0128	-.0008	-.0003	-.0005	-.0009	-.0011
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 19:32:23 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: I

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**-.0056**	**-.0003**	**-.0013**	**.0004**	**-.0005**
Stddev	.0000	.0002	.0008	.0001	.0005	.0007	.0003
%RSD	65.95	107.7	14.13	29.41	36.94	194.7	56.23
#1	.0001	.0004	-.0062	-.0002	-.0010	-.0001	-.0003
#2	.0000	.0000	-.0051	-.0003	-.0016	.0009	-.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**62377.**	**9465.4**	**2065.3**	**4433.6**
Stddev	111.	140.8	11.3	27.5
%RSD	.17815	1.4878	.54637	.61941
#1	62298.	9365.8	2057.3	4414.2
#2	62456.	9564.9	2073.3	4453.0

Zoom In Zoom Out

Sample Name: ICSA Acquired: 6/19/2014 19:38:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0001**	**.0011**	**.0005**	**.0014**	**-.0059**	**-.0016**	**-.0014**	**.0036**
Stddev	.0001	.0000	.0004	.0000	.0003	.0001	.0000	.0001	.0013
%RSD	4.713	39.87	41.45	4.906	18.61	1.164	2.680	4.306	36.30
#1	-.0015	-.0001	.0014	.0005	.0016	-.0058	-.0015	-.0015	.0045
#2	-.0014	-.0000	.0008	.0005	.0012	-.0059	-.0016	-.0014	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0005**	**.0009**	**-.0003**	**.0055**	**-.0017**	**.0045**	**508.4**	**376.5**
Stddev	.0006	.0004	.0000	.0015	.0022	.0019	.0004	.1	1.3
%RSD	33.72	70.30	3.274	464.2	40.22	113.7	8.451	.0116	.3425
#1	.0013	-.0003	.0009	-.0014	.0071	-.0003	.0042	508.4	377.4
#2	.0021	-.0008	.0009	.0008	.0040	-.0030	.0048	508.3	375.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**178.8**	**511.7**	**.1768**	**-.0221**	**-.0001**	**-.0027**	**.0005**	**-.0027**	**-.0038**
Stddev	.7	1.8	.0020	.0029	.0001	.0001	.0015	.0006	.0002
%RSD	.3660	.3441	1.141	13.33	125.0	4.550	280.5	24.09	6.177
#1	179.2	513.0	.1782	-.0242	-.0000	-.0026	.0016	-.0031	-.0036
#2	178.3	510.5	.1754	-.0200	-.0001	-.0028	-.0005	-.0022	-.0039
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: 6/19/2014 19:38:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**-.0005**	**.0032**	**.0002**	**-.0367**	**-.0114**	**.0208**
Stddev	.0001	.0009	.0001	.0004	.0031	.0011	.0007
%RSD	2.388	191.9	2.755	189.0	8.346	9.310	3.142
#1	-.0046	.0002	.0032	-.0001	-.0389	-.0122	.0213
#2	-.0044	-.0011	.0031	.0005	-.0345	-.0107	.0203
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	**52629.**	**8794.3**	**1757.8**	**3366.5**
Stddev	56.	44.6	.9	2.0
%RSD	.10639	.50674	.05327	.05912
#1	52668.	8762.7	1757.1	3365.1
#2	52589.	8825.8	1758.4	3367.9

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/19/2014 19:44:42 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5219**	**.5119**	**1.0000**	**.4815**	**.4899**	**.5215**	**.5017**	**.9744**	**.9847**
Stddev	.0020	.0006	.0073	.0026	.0048	.0072	.0054	.0062	.0104
%RSD	.3755	.1172	.7309	.5478	.9744	1.373	1.072	.6385	1.052
#1	.5205	.5123	.9948	.4796	.4932	.5266	.5055	.9700	.9920
#2	.5232	.5115	1.005	.4834	.4865	.5165	.4979	.9788	.9774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4580**	**.9536**	**1.057**	**.9430**	**.9672**	**1.046**	**1.034**	**512.4**	**379.2**
Stddev	.0069	.0070	.000	.0055	.0088	.004	.004	1.8	1.4
%RSD	1.500	.7351	.0289	.5793	.9097	.4004	.3640	.3460	.3611
#1	.4628	.9486	1.057	.9392	.9610	1.043	1.031	511.1	378.2
#2	.4531	.9585	1.057	.9469	.9734	1.049	1.037	513.6	380.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**184.2**	**521.1**	**.1623**	**-.0187**	**.0030**	**.4958**	**.5477**	**-.0014**	**-.0036**
Stddev	.7	1.9	.0223	.0015	.0003	.0032	.0098	.0006	.0020
%RSD	.3666	.3626	13.76	8.247	11.09	.6499	1.788	43.86	56.58
#1	183.7	519.8	.1465	-.0176	.0032	.4935	.5547	-.0010	-.0021
#2	184.7	522.5	.1781	-.0198	.0028	.4981	.5408	-.0019	-.0050
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/19/2014 19:44:42 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0002**	**.5051**	**.5692**	**.4278**	**.5088**	**.5730**
Stddev	.0000	.0003	.0071	.0070	.0093	.0029	.0000
%RSD	.8520	147.7	1.398	1.223	2.173	.5664	.0060
#1	-.0046	-.0000	.5001	.5741	.4212	.5068	.5730
#2	-.0046	.0004	.5101	.5643	.4344	.5109	.5730
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**52023.**	**8597.6**	**1765.8**	**3387.1**
Stddev	579.	13.9	10.3	18.0
%RSD	1.1138	.16135	.58357	.53222
#1	51613.	8607.4	1773.1	3399.9
#2	52433.	8587.8	1758.5	3374.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:50:39 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**2.004**	**2.007**	**2.025**	**2.042**	**1.925**	**2.055**	**2.074**	**.2366**
Stddev	.004	.004	.018	.017	.011	.005	.002	.019	.0009
%RSD	.1855	.2207	.9175	.8591	.5581	.2649	.1148	.9210	.3755
#1	1.974	2.001	1.994	2.013	2.050	1.929	2.056	2.060	.2372
#2	1.979	2.007	2.020	2.037	2.034	1.922	2.053	2.087	.2360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.981**	**2.080**	**2.004**	**2.079**	**2.099**	**2.005**	**1.999**	**39.27**	**39.66**
Stddev	.003	.023	.025	.018	.022	.023	.020	.01	.04
%RSD	.1547	1.122	1.265	.8745	1.055	1.167	.9843	.0306	.0910
#1	1.983	2.064	1.986	2.067	2.083	1.988	1.985	39.26	39.69
#2	1.978	2.097	2.022	2.092	2.114	2.022	2.013	39.27	39.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.75**	**38.97**	**38.97**	**38.96**	**2.040**	**2.054**	**1.954**	**5.013**	**2.088**
Stddev	.04	.10	.10	.10	.021	.020	.007	.051	.020
%RSD	.1118	.2596	.2656	.2558	1.007	.9710	.3571	1.018	.9371
#1	38.78	39.05	38.89	38.89	2.025	2.040	1.959	4.977	2.074
#2	38.72	38.90	39.04	39.03	2.054	2.068	1.949	5.049	2.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:50:39 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.982**	**1.974**	**2.006**	**1.977**	**1.974**	**1.962**	**1.926**
Stddev	.004	.005	.031	.002	.023	.018	.013
%RSD	.2094	.2317	1.536	.0994	1.150	.9110	.6865
#1	1.979	1.977	1.984	1.979	1.958	1.950	1.917
#2	1.985	1.971	2.028	1.976	1.990	1.975	1.936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**58219.**	**9190.1**	**1916.1**	**3848.3**
Stddev	159.	5.2	15.0	25.2
%RSD	.27308	.05654	.78131	.65506
#1	58106.	9186.4	1926.7	3866.1
#2	58331.	9193.8	1905.6	3830.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 19:56:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0003**	**.0003**	**.0003**	**.0000**	**.0004**	**.0001**	**-.0004**
Stddev	.0001	.0000	.0001	.0003	.0002	.0001	.0001	.0001	.0004
%RSD	14.40	2.647	26.65	81.85	53.22	177.7	14.16	110.0	103.0
#1	.0004	.0003	.0003	.0005	.0004	.0001	.0003	.0000	-.0001
#2	.0005	.0003	.0002	.0001	.0002	-.0000	.0004	.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	**.0002**	**.0004**	**.0006**	**.0001**	**-.0001**	**.0008**	**.0011**	**.0068**	**.0068**
Stddev	.0001	.0001	.0005	.0006	.0007	.0003	.0002	.0029	.0004
%RSD	70.57	21.20	73.98	674.2	508.2	36.39	20.19	42.52	5.933
#1	.0001	.0003	.0010	.0005	.0004	.0010	.0012	.0048	.0065
#2	.0003	.0004	.0003	-.0003	-.0006	.0006	.0009	.0089	.0070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**.0188**	**.0140**	**-.0051**	**.0002**	**.0009**	**-.0001**	**.0014**	**-.0004**
Stddev	.0015	.0229	.0145	.0019	.0004	.0000	.0012	.0005	.0003
%RSD	17.97	121.7	103.1	37.00	161.9	.9209	1388.	37.19	73.26
#1	.0092	.0350	.0243	-.0037	-.0000	.0009	-.0010	.0017	-.0007
#2	.0072	.0026	.0038	-.0064	.0005	.0009	.0008	.0010	-.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: 6/19/2014 19:56:34 Type: QC
Method: Accutest1(v273) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 310/311(2)

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0005**	**.0072**	**.0007**	**-.0003**	**.0010**	**-.0005**
Stddev	.0001	.0003	.0011	.0000	.0005	.0002	.0004
%RSD	24.15	59.71	14.70	.9213	173.9	20.14	73.52
#1	.0004	.0003	.0079	.0007	.0001	.0012	-.0002
#2	.0003	.0006	.0064	.0007	-.0007	.0009	-.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	**62333.**	**9307.1**	**2047.8**	**4401.9**
Stddev	597.	28.3	12.2	22.4
%RSD	.95717	.30440	.59468	.50989
#1	62755.	9287.1	2056.4	4417.8
#2	61911.	9327.1	2039.2	4386.0

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.002000	0.000000	No
Be 313.042 {108}	☒	12	V	0.000200	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.011250	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	-0.000095	0.000000	No
				Al	0.000003	0.000000	No
				Sn	-0.000497	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000858	0.000000	No
				Zr	-0.000330	0.000000	No
				Si	0.000080	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000008	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000002	0.000000	No
				Sb	0.000370	0.000000	No
				Mg	0.000006	0.000000	No
				Ca	0.000007	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	9	Fe	-0.000034	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000012	0.000000	No
				As	0.000001	0.000000	No
				Ca	-0.000005	0.000000	No
				Al	-0.000001	0.000000	No
				Ni	0.000028	0.000000	No
				Mo	-0.000100	0.000000	No
				Cr	-0.000110	0.000000	No
	Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
				Zn	-0.000021	0.000000	No
				Be	-0.000112	0.000000	No
				Co	-0.000278	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000004	0.000000	No
				Mo	-0.000030	0.000000	No
				V	-0.000032	0.000000	No
				Cu	0.000100	0.000000	No
				Se	0.000286	0.000000	No
				Al	-0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	15	Mn	-0.000400	0.000000	No
				Mo	-0.000136	0.000000	No
				Ti	-0.000986	0.000000	No
				Fe	-0.000625	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	-0.000176	0.000000	No
				Zr	0.005200	0.000000	No
				W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
			Mo	-0.011200	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.002120	0.000000	No
			Mn	-0.000513	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
			Mo	0.000444	0.000000	No
			Fe	0.000009	0.000000	No
			Al	0.000006	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	0.000108	0.000000	No
			Na	0.000003	0.000000	No
			Ca	-0.000008	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000456	0.000000	No
			As	0.000200	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000280	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
			Mn	0.000400	0.000000	No
As 189.042 {478}	☒	24	Al	0.000006	0.000000	No
			Fe	-0.000024	0.000000	No
			Ca	-0.000008	0.000000	No
			Mn	-0.000205	0.000000	No
			Mo	0.002030	0.000000	No
			Cr	0.001000	0.000000	No
			V	-0.000094	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	-0.000370	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000100	0.000000	No
			Sr	-0.000300	0.000000	No
			Pd	0.025000	0.000000	No
			Zr	-0.001900	0.000000	No
			Ti	-0.000100	0.000000	No
			S	0.000008	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000450	0.000000	No
			Mo	-0.008120	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000114	0.000000	No
			V	-0.023800	0.000000	No
			Mn	0.001290	0.000000	No
			Si	-0.000073	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.002190	0.000000	No
			Mg	-0.000004	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	-0.000730	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	-0.000120	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.000200	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	0.000015	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000000	0.000000	No
				K	-0.000200	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000093	0.000000	No
				Fe	0.000036	0.000000	No
				Ca	0.000001	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002020	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000238	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000350	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000166	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000435	0.000000	No
				Ni	0.000299	0.000000	No
				S	-0.000006	0.000000	No
				Se	0.000096	0.000000	No
				K	0.000000	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000145	0.000000	No
				Co	0.000055	0.000000	No
				V	0.000470	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	-0.000429	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	0.000200	0.000000	No
			W	0.020000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000025	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.013700	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.009000	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}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.003612	2.695264	0.000000	1.000000
Be 313.042 {108}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000172	1.649519	0.000000	1.000000
Cd 228.802 {448}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000445	1.010047	0.000000	1.000000
Co 228.616 {448}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000036	0.497365	0.000000	1.000000
Cr 267.716 {126}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000001	0.077367	0.000000	1.000000
Cu 324.754 {104}2	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.002293	0.214814	0.000000	1.000000
Mn 257.610 {131}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000013	0.425019	0.000000	1.000000
Ni 231.604 {446}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000014	0.354143	0.000000	1.000000
Ag 328.068 {103}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000102	0.118920	0.000000	1.000000
V 292.402 {115}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000028	0.105005	0.000000	1.000000
Zn 206.200 {464}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000303	0.886925	0.000000	1.000000
As 189.042 {478}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000142	0.100963	0.000000	1.000000
Tl 190.856 {477}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000050	0.051543	0.000000	1.000000
Pb 220.353 {453}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000201	0.143689	0.000000	1.000000
Se 196.090 {472}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000465	0.076438	0.000000	1.000000
Sb 206.833 {463}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000285	0.194924	0.000000	1.000000
Al 396.152 { 85}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000074	0.040480	0.000000	1.000000
Ca 317.933 {106}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.002859	0.040387	0.000000	1.000000
Fe 259.940 {130}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000046	0.027769	0.000000	1.000000
Mg 279.079 {121}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000113	0.003575	0.000000	1.000000
K 766.490 { 44}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.001264	0.064260	0.000000	1.000000
Na 589.592 { 57}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.005350	0.210117	0.000000	1.000000
B 208.959 {462}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000592	0.245362	0.000000	1.000000
Mo 202.030 {467}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000432	0.779783	0.000000	1.000000
Pd 340.458 { 99}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000164	0.042620	0.000000	1.000000
Si 212.412 {459}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.003809	0.272315	0.000000	1.000000
Sn 189.989 {478}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000162	0.153026	0.000000	1.000000
Sr 407.771 { 83}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000800	5.000424	0.000000	1.000000
Ti 334.904 {101}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000241	0.101400	0.000000	1.000000
Y 360.073 { 94}*	6/20/2014 8:23:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/20/2014 8:23:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/20/2014 8:23:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/20/2014 8:23:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.003826	0.341154	0.000000	1.000000
Zr 339.198 { 99}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000051	0.271786	0.000000	1.000000
S 182.034 {485}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.001642	0.051560	0.000000	1.000000
Bi 223.061 {451}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	-0.000581	0.268028	0.000000	1.000000
Li 670.784 { 50}	6/20/2014 8:23:23	6/19/2014 10:15:41	Linear	1/Conc	0.000071	1.350411	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	0.000203	0.000678	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000108	0.000359	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000188	0.000628	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000271	0.000903	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000501	0.001669	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000406	0.001353	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000081	0.000268	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000330	0.001098	OK.	1.000000	0.000000	1	0
Ag 328.068 {103}	1.000000	0.000000	0.000611	0.002038	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000423	0.001410	OK.	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000197	0.000656	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001362	0.004541	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.001428	0.004761	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001182	0.003941	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002326	0.007753	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001179	0.003931	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.010545	0.035151	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.004908	0.016359	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.004107	0.013689	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.037971	0.126571	OK.	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.021948	0.073159	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.005827	0.019423	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000652	0.002172	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000257	0.000856	OK.	1.000000	0.000000	1	0
Pd 340.458 { 99}	1.000000	0.000000	0.001538	0.005127	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.000838	0.002793	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.000906	0.003021	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000081	0.000271	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000631	0.002102	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	0.001127	0.003755	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000232	0.000772	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.002958	0.009859	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001076	0.003588	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.001016	0.003386	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/19/2014 11:00:35 Type: Cal
Method: Accutest1(v177) 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	**.0033**	**.0002**	**.0003**	**-.0004**	**.0000**	**.0015**	**.0000**	**-.0009**	**.0001**
Stddev	.0004	.0000	.0002	.0001	.0000	.0000	.0000	.0001	.0000
%RSD	12.49	4.115	70.94	20.81	186.8	1.295	83.29	6.837	.8061
#1	.0030	.0002	.0002	-.0004	.0000	.0015	.0000	-.0009	.0001
#2	.0036	.0002	.0005	-.0003	.0000	.0015	.0000	-.0010	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0003**	**.0005**	**-.0002**	**-.0001**	**.0004**	**.0013**	**.0007**	**.0036**
Stddev	.0001	.0000	.0002	.0000	.0001	.0001	.0001	.0002	.0003
%RSD	99.30	10.11	45.05	4.074	44.73	14.62	9.914	26.64	8.533
#1	-.0001	.0003	.0007	-.0002	-.0002	.0004	.0012	.0008	.0034
#2	.0000	.0004	.0003	-.0002	-.0001	.0005	.0014	.0005	.0038

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0026**	**.0032**	**.0009**	**.0016**	**-.0001**	**.0064**	**.0006**
Stddev	.000	.0000	.0002	.0003	.0000	.0002	.0000	.0002	.0001
%RSD	38.10	33.87	7.906	10.82	4.899	10.17	15.36	2.492	12.15
#1	.0000	-.0001	.0027	.0034	.0009	.0017	-.0001	.0065	.0006
#2	.0000	-.0001	.0024	.0029	.0010	.0015	-.0001	.0063	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0145**	**.0001**	**.0004**	**-.0010**	**-.0011**
Stddev	.0001	.0001	.0005	.0000	.0000	.0000	.0008
%RSD	854.6	40.23	3.743	17.26	8.956	1.258	69.36
#1	.0001	-.0001	.0148	.0001	.0004	-.0010	-.0006
#2	-.0001	-.0002	.0141	.0001	.0005	-.0010	-.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98255.**	**13394.**	**2207.9**	**6987.0**
Stddev	161.	44.	2.6	2.7
%RSD	.16347	.33124	.11685	.03829
#1	98369.	13363.	2209.7	6988.9
#2	98142.	13426.	2206.1	6985.1

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/19/2014 11:06:50 Type: Cal
Method: Accutest1(v177) 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	**10.52**	**10.67**	**4.104**	**1.458**	**.3311**	**1.025**	**.8629**	**1.112**	**.0697**
Stddev	.03	.02	.004	.001	.0006	.002	.0000	.001	.0002
%RSD	.2617	.2179	.0861	.0634	.1692	.1832	.0040	.0522	.3510
#1	10.54	10.68	4.102	1.458	.3315	1.024	.8629	1.112	.0695
#2	10.50	10.65	4.107	1.459	.3307	1.027	.8630	1.113	.0698

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	**.6641**	**3.867**	**.7246**	**.1410**	**.5095**	**.4090**	**.9205**	**3.642**	**5.479**
Stddev	.0003	.000	.0021	.0011	.0001	.0002	.0018	.001	.009
%RSD	.0388	.0065	.2955	.7926	.0192	.0525	.1974	.0348	.1743
#1	.6643	3.868	.7231	.1402	.5094	.4088	.9192	3.641	5.473
#2	.6639	3.867	.7261	.1418	.5095	.4091	.9218	3.642	5.486

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	**3.146**	**.3926**	**2.168**	**7.475**	**.9450**	**3.930**	**.2280**	**2.772**	**.6548**
Stddev	.006	.0011	.006	.011	.0015	.009	.0006	.006	.0013
%RSD	.1954	.2696	.2871	.1490	.1607	.2288	.2609	.2241	.2002
#1	3.151	.3919	2.172	7.483	.9439	3.923	.2276	2.767	.6539
#2	3.142	.3934	2.164	7.467	.9461	3.936	.2284	2.776	.6557

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	**13.18**	**.6490**	**1.959**	**1.527**	**.2864**	**1.338**	**2.765**
Stddev	.01	.0006	.016	.001	.0017	.003	.003
%RSD	.0795	.0892	.8100	.0361	.5871	.1841	.1082
#1	13.19	.6486	1.948	1.527	.2852	1.336	2.767
#2	13.17	.6495	1.971	1.527	.2876	1.340	2.763

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92232.**	**13322.**	**2078.9**	**6228.0**
Stddev	177.	2.	1.6	4.0
%RSD	.19230	.01296	.07463	.06457
#1	92107.	13323.	2080.0	6230.8
#2	92358.	13320.	2077.8	6225.1

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/19/2014 11:12:52 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**2.093**	**2.062**	**2.070**	**2.080**	**2.027**	F **2.110**	**2.090**	**.2526**
Stddev	.000	.003	.006	.001	.010	.001	.006	.001	.0010
%RSD	.0021	.1301	.2752	.0599	.4615	.0372	.2677	.0585	.3838
#1	2.070	2.091	2.058	2.069	2.073	2.027	2.106	2.089	.2519
#2	2.070	2.095	2.066	2.070	2.087	2.028	2.114	2.091	.2532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	F **2.103**	**2.046**	**2.095**	**2.087**	**2.035**	**2.048**	**40.30**	**40.91**
Stddev	.003	.001	.005	.003	.000	.006	.006	.10	.06
%RSD	.1455	.0613	.2528	.1374	.0047	.3060	.2907	.2359	.1569
#1	2.037	2.102	2.042	2.093	2.087	2.031	2.044	40.23	40.86
#2	2.042	2.104	2.050	2.097	2.087	2.040	2.052	40.37	40.95
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2.000							
Range		5.000%							

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.39**	**40.67**	**40.56**	**40.61**	**2.068**	**2.083**	**2.031**	**5.062**	**2.099**
Stddev	.02	.13	.12	.01	.008	.004	.005	.016	.007
%RSD	.0462	.3252	.2849	.0154	.3931	.2010	.2685	.3211	.3272
#1	41.38	40.58	40.47	40.61	2.062	2.080	2.028	5.050	2.094
#2	41.41	40.77	40.64	40.62	2.074	2.086	2.035	5.073	2.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/19/2014 11:12:52 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.071**	**2.075**	**2.063**	**2.053**	**2.004**	**2.027**	**2.031**
Stddev	.001	.001	.011	.000	.001	.007	.004
%RSD	.0302	.0316	.5541	.0116	.0549	.3397	.2116
#1	2.070	2.074	2.055	2.053	2.005	2.022	2.027
#2	2.071	2.075	2.071	2.053	2.003	2.032	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	**93779.**	**13278.**	**2118.7**	**6383.8**
Stddev	101.	59.	3.2	.4
%RSD	.10716	.44456	.15098	.00669
#1	93851.	13319.	2121.0	6383.5
#2	93708.	13236.	2116.5	6384.1

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/19/2014 11:18:55 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0003**	**.0005**	**-.0001**	**.0000**	**.0001**	**.0006**	**-.0004**
Stddev	.0001	.0000	.0000	.0002	.0002	.0002	.0001	.0000	.0002
%RSD	113.7	13.13	5.548	37.70	113.2	1457.	54.63	4.176	67.42
#1	.0002	.0003	.0003	.0003	-.0003	-.0002	.0001	.0006	-.0002
#2	.0000	.0002	.0003	.0006	.0000	.0002	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0016**	**.0009**	**-.0004**	**-.0022**	**.0005**	**.0079**	**.0068**
Stddev	.0003	.0003	.0001	.0001	.0009	.0015	.0002	.0078	.0005
%RSD	131.9	311.9	4.414	7.120	231.0	69.09	43.97	98.35	7.891
#1	.0000	-.0001	.0016	.0010	.0002	-.0033	.0003	.0134	.0064
#2	.0005	.0003	.0017	.0009	-.0010	-.0011	.0006	.0024	.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.0165**	**.0376**	**.0154**	**.0033**	F **.0033**	**.0018**	**.0033**	**-.0001**
Stddev	.0025	.0071	.0038	.0035	.0002	.0003	.0008	.0006	.0005
%RSD	46.92	42.92	10.09	22.67	5.502	7.791	42.11	19.08	395.5
#1	.0072	.0115	.0350	.0179	.0034	.0034	.0013	.0029	.0002
#2	.0036	.0215	.0403	.0130	.0031	.0031	.0024	.0037	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/19/2014 11:18:55 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	F **.0260**	F **.0012**	**-.0006**	**.0000**	**.0009**
Stddev	.0001	.0002	.0027	.0000	.0001	.000	.0006
%RSD	40.21	49.58	10.52	1.204	9.748	564.7	71.70
#1	.0003	.0002	.0279	.0012	-.0007	.0001	.0013
#2	.0002	.0004	.0240	.0012	-.0006	-.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100980.**	**13351.**	**2222.5**	**7057.5**
Stddev	179.	11.	.1	5.6
%RSD	.17760	.07986	.00583	.07947
#1	101110.	13358.	2222.6	7061.5
#2	100860.	13343.	2222.4	7053.6

Zoom In Zoom Out

Sample Name: icv Acquired: 6/19/2014 11:25:51 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.064**	**2.030**	**2.039**	**2.042**	**1.999**	**2.081**	**2.062**	**.2494**
Stddev	.004	.004	.001	.002	.002	.005	.006	.001	.0003
%RSD	.1784	.1987	.0516	.0856	.0895	.2729	.2705	.0579	.1137
#1	2.044	2.067	2.029	2.041	2.040	2.005	2.075	2.063	.2492
#2	2.039	2.064	2.031	2.037	2.044	1.999	2.084	2.061	.2493
#3	2.036	2.059	2.029	2.038	2.044	1.994	2.085	2.061	.2497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.065**	**2.018**	**2.093**	**2.050**	**2.007**	**2.013**	**39.72**	**40.35**
Stddev	.003	.004	.003	.003	.005	.005	.004	.08	.09
%RSD	.1439	.1746	.1221	.1513	.2294	.2718	.1902	.2066	.2130
#1	2.006	2.069	2.016	2.096	2.054	2.013	2.010	39.80	40.40
#2	2.011	2.064	2.017	2.094	2.045	2.003	2.011	39.73	40.40
#3	2.010	2.062	2.021	2.090	2.051	2.005	2.017	39.64	40.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.01**	**40.00**	**40.14**	**2.035**	**2.044**	**2.010**	**4.975**	**2.069**
Stddev	.05	.12	.05	.08	.001	.002	.004	.005	.004
%RSD	.1110	.3013	.1265	.2048	.0242	.0899	.2116	.1103	.1929
#1	40.73	40.06	40.06	40.22	2.035	2.046	2.014	4.980	2.072
#2	40.74	40.09	40.00	40.16	2.036	2.042	2.008	4.976	2.070
#3	40.66	39.87	39.96	40.05	2.036	2.045	2.006	4.969	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/19/2014 11:25:51 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.046**	**2.007**	**2.016**	**1.989**	**1.992**	**1.998**
Stddev	.005	.004	.009	.001	.006	.002	.004
%RSD	.2343	.2068	.4437	.0334	.3187	.1210	.2060
#1	2.047	2.042	1.998	2.017	1.996	1.994	2.003
#2	2.040	2.047	2.009	2.017	1.986	1.989	1.996
#3	2.038	2.050	2.015	2.016	1.985	1.992	1.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94940.**	**13489.**	**2149.2**	**6459.4**
Stddev	196.	42.	1.5	6.0
%RSD	.20605	.31053	.06815	.09224
#1	95111.	13524.	2150.8	6464.0
#2	94983.	13443.	2148.8	6461.5
#3	94727.	13501.	2148.0	6452.7

Zoom In Zoom Out

Sample Name: icb Acquired: 6/19/2014 11:44:06 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**.0000**	**.0001**	**.0000**	**.0001**	**.0001**	**-.0005**
Stddev	.0001	.0000	.0001	.0001	.0001	.000	.0001	.0000	.0000
%RSD	224.8	29.96	1383.	212.0	198.7	3831.	47.90	9.423	5.244
#1	.0001	.0000	.0000	.0000	.0000	.0003	.0002	.0001	-.0004
#2	.0000	.0001	.0001	.0001	.0001	-.0003	.0001	.0002	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0011**	**.0011**	**-.0004**	**-.0019**	**-.0004**	**.0073**	**.0032**
Stddev	.0003	.0000	.0000	.0000	.0003	.0011	.0005	.0029	.0004
%RSD	376.9	23.25	4.663	2.453	71.44	54.46	106.2	39.72	12.69
#1	.0001	.0002	.0010	.0011	-.0002	-.0027	-.0001	.0052	.0029
#2	-.0003	.0001	.0011	.0011	-.0006	-.0012	-.0007	.0093	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0396**	**-.0008**	**.0030**	**.0014**	**.0009**	**.0016**	**.0031**	**-.0004**
Stddev	.0033	.0043	.0386	.0068	.0008	.0002	.0005	.0004	.0004
%RSD	193.8	10.92	5025.	224.7	60.61	24.25	31.76	12.97	101.7
#1	.0041	.0365	-.0280	.0078	.0020	.0008	.0019	.0028	-.0006
#2	-.0006	.0427	.0265	-.0018	.0008	.0011	.0012	.0034	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/19/2014 11:44:06 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	F **.0126**	**.0004**	**-.0005**	**-.0004**	**.0003**
Stddev	.0001	.0001	.0013	.0002	.0002	.0008	.0005
%RSD	88.08	14.82	10.38	52.40	43.90	222.5	153.8
#1	.0002	.0004	.0135	.0006	-.0003	.0002	.0007
#2	.0000	.0005	.0116	.0003	-.0006	-.0010	.0000
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	**98783.**	**13471.**	**2218.9**	**7012.4**
Stddev	201.	43.	2.2	3.3
%RSD	.20397	.32132	.09782	.04745
#1	98641.	13502.	2217.4	7014.7
#2	98926.	13440.	2220.4	7010.0

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/19/2014 11:50:51 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.074**	**2.048**	**2.056**	**2.057**	**2.026**	F **2.126**	**2.084**	**.2562**
Stddev	.007	.003	.001	.002	.003	.003	.007	.001	.0016
%RSD	.3371	.1402	.0419	.0917	.1234	.1428	.3230	.0318	.6316
#1	2.053	2.075	2.047	2.057	2.056	2.023	2.120	2.084	.2544
#2	2.038	2.071	2.047	2.053	2.058	2.027	2.124	2.085	.2552
#3	2.048	2.072	2.048	2.056	2.060	2.030	2.136	2.083	.2580
#4	2.052	2.078	2.049	2.057	2.054	2.024	2.123	2.084	.2570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.081**	**2.038**	F **2.120**	**2.070**	**2.024**	**2.024**	**39.53**	**40.19**
Stddev	.003	.002	.004	.006	.001	.001	.002	.06	.11
%RSD	.1218	.0907	.1758	.2752	.0673	.0530	.0832	.1390	.2834
#1	2.031	2.079	2.035	2.112	2.070	2.024	2.026	39.58	40.14
#2	2.030	2.079	2.040	2.122	2.069	2.023	2.024	39.51	40.28
#3	2.036	2.081	2.035	2.126	2.072	2.022	2.024	39.47	40.05
#4	2.031	2.083	2.042	2.121	2.070	2.025	2.022	39.58	40.28
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	**41.44**	**39.78**	**40.14**	**39.98**	**2.054**	**2.059**	**2.052**	**5.010**	**2.092**
Stddev	.12	.17	.05	.06	.001	.002	.005	.004	.003
%RSD	.2820	.4387	.1294	.1487	.0365	.1028	.2442	.0823	.1616
#1	41.39	39.68	40.19	40.04	2.053	2.056	2.048	5.008	2.089
#2	41.33	39.95	40.07	39.92	2.053	2.061	2.051	5.016	2.092
#3	41.42	39.58	40.14	39.95	2.054	2.060	2.059	5.008	2.093
#4	41.60	39.89	40.17	40.03	2.054	2.059	2.049	5.007	2.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/19/2014 11:50:51 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**2.093**	**2.031**	**2.030**	**2.006**	**2.004**	**2.015**
Stddev	.005	.006	.012	.002	.005	.003	.005
%RSD	.2366	.2811	.5994	.0806	.2738	.1607	.2625
#1	2.035	2.089	2.016	2.031	1.998	2.005	2.017
#2	2.024	2.089	2.027	2.030	2.010	2.009	2.007
#3	2.027	2.102	2.037	2.027	2.005	2.002	2.019
#4	2.029	2.093	2.044	2.030	2.010	2.002	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93141.**	**13325.**	**2137.6**	**6416.9**
Stddev	356.	85.	1.1	5.3
%RSD	.38190	.63587	.05171	.08232
#1	93397.	13407.	2136.6	6410.0
#2	93291.	13281.	2136.7	6415.4
#3	92615.	13383.	2138.7	6421.6
#4	93261.	13228.	2138.5	6420.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 12:20:36 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0000**	**.0002**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0001	.0001	.0002	.0000	.0000	.0003	.0000
%RSD	38.09	42.05	48.69	101.1	415.3	225.1	13.69	265.6	28.64
#1	.0001	.0001	.0003	.0000	.0002	.0000	.0002	-.0001	-.0001
#2	.0001	.0001	.0002	.0001	-.0001	.0000	.0002	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0015**	**-.0005**	**-.0001**	**-.0024**	**-.0009**	**.0105**	**.0053**
Stddev	.0003	.0000	.0015	.0022	.0003	.0010	.0005	.0038	.0000
%RSD	539.5	23.75	98.60	432.5	217.3	41.84	51.52	36.00	.9050
#1	-.0002	.0001	.0005	.0011	.0001	-.0031	-.0012	.0078	.0053
#2	.0003	.0001	.0025	-.0021	-.0003	-.0017	-.0006	.0131	.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	**.0018**	**.0079**	**.0172**	**.0044**	**.0009**	**.0006**	**.0017**	**.0036**	**-.0006**
Stddev	.0003	.0316	.0185	.0034	.0004	.0000	.0002	.0019	.0002
%RSD	18.45	402.4	107.8	77.57	40.87	3.922	11.73	53.35	23.63	
#1	.0016	-.0145	.0041	.0020	.0007	.0006	.0016	.0023	-.0007
#2	.0021	.0302	.0302	.0068	.0012	.0006	.0019	.0050	-.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: 6/19/2014 12:20:36 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0075**	**.0002**	**.0006**	**.0002**	**.0007**
Stddev	.0000	.0001	.0020	.0001	.0029	.0006	.0004
%RSD	21.03	57.41	26.16	21.58	461.1	380.7	48.38
#1	.0001	.0002	.0089	.0002	-.0014	.0006	.0010
#2	.0001	.0001	.0061	.0003	.0026	-.0003	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100140.**	**13289.**	**2231.0**	**7043.7**
Stddev	298.	1.	1.3	11.6
%RSD	.29765	.00826	.05693	.16449
#1	100350.	13288.	2231.9	7051.9
#2	99933.	13289.	2230.1	7035.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 12:31:26 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2079**	**.0023**	**.0030**	**.0525**	**.0112**	**.0105**	**.0169**	**.0110**	**.0047**
Stddev	.0005	.0000	.0001	.0003	.0003	.0000	.0001	.0003	.0000
%RSD	.2442	.9930	3.576	.5395	2.524	.0098	.6913	2.871	.0707
#1	.2082	.0023	.0031	.0527	.0114	.0105	.0168	.0112	.0047
#2	.2075	.0023	.0029	.0523	.0110	.0105	.0170	.0108	.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	**.0512**	**.0239**	**.0095**	**.0093**	F **.0018**	**.0095**	**.0050**	**.2041**	**4.956**
Stddev	.0003	.0003	.0001	.0003	.0005	.0000	.0004	.0111	.007
%RSD	.5570	1.138	.6185	3.657	26.92	.3042	7.382	5.431	.1516
#1	.0514	.0237	.0095	.0090	.0015	.0095	.0048	.1963	4.961
#2	.0510	.0241	.0096	.0095	.0022	.0094	.0053	.2120	4.950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.0030				
Range					-30.00%				

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1108**	**5.079**	**4.998**	**5.010**	**.1058**	**.0214**	**.0599**	**.2086**	**.0114**
Stddev	.0021	.008	.016	.008	.0001	.0003	.0012	.0003	.0005
%RSD	1.853	.1660	.3205	.1597	.0802	1.199	1.952	.1404	4.479
#1	.1093	5.085	5.009	5.015	.1057	.0212	.0608	.2084	.0117
#2	.1122	5.073	4.986	5.004	.1059	.0216	.0591	.2088	.0110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 12:31:26 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0110**	**.0538**	**.0111**	**.0474**	**.0206**	**.0217**
Stddev	.0000	.0000	.0006	.0002	.0001	.0003	.0008
%RSD	.3965	.1716	1.203	1.510	.1995	1.309	3.503
#1	.0104	.0110	.0542	.0112	.0475	.0208	.0223
#2	.0104	.0110	.0533	.0110	.0474	.0204	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97720.**	**13331.**	**2216.0**	**6920.8**
Stddev	376.	12.	1.5	2.6
%RSD	.38514	.08980	.06786	.03814
#1	97986.	13322.	2215.0	6922.6
#2	97454.	13339.	2217.1	6918.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 12:37:40 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0011**	**.0033**	**.0021**	**.0018**	**.0033**	**.0048**	**.0007**
Stddev	.0000	.0000	.0000	.0000	.0001	.0002	.0000	.0001	.0005
%RSD	.5025	3.670	.1126	1.005	4.841	10.83	1.010	1.806	68.81
#1	.0040	.0010	.0011	.0033	.0020	.0016	.0033	.0048	.0011
#2	.0041	.0010	.0011	.0032	.0022	.0019	.0033	.0049	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0119**	F **.0040**	F **.0010**	**.0024**	**.0055**	**.0029**	**.1071**	**1.025**
Stddev	.0003	.0002	.0001	.0001	.0018	.0035	.0005	.0004	.002
%RSD	17.75	1.421	2.866	5.008	74.56	63.69	18.24	.4136	.2209
#1	.0022	.0120	.0041	.0010	.0037	.0079	.0033	.1068	1.023
#2	.0017	.0117	.0039	.0010	.0011	.0030	.0025	.1074	1.026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0030	.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	**-.0015**	**.1168**	**2.034**	**1.009**	**.0097**	**-.0003**	**.0016**	**.0009**	**-.0005**
Stddev	.0030	.0075	.016	.006	.0005	.0001	.0015	.0004	.0006
%RSD	197.8	6.440	.7749	.6305	5.552	42.45	93.22	41.41	125.5
#1	.0006	.1114	2.045	1.004	.0093	-.0002	.0027	.0007	-.0009
#2	-.0036	.1221	2.022	1.013	.0101	-.0003	.0005	.0012	-.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: 6/19/2014 12:37:40 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0029**	**-.0002**	**-.0011**	**-.0003**	**.0010**
Stddev	.000	.0002	.0006	.0001	.0005	.0001	.0007
%RSD	81.27	60.88	20.05	35.03	46.09	46.12	68.45
#1	.0000	-.0006	-.0033	-.0003	-.0015	-.0004	.0014
#2	.0000	-.0002	-.0025	-.0002	-.0008	-.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	**99311.**	**13324.**	**2229.2**	**7025.3**
Stddev	152.	1.	6.9	17.6
%RSD	.15316	.00801	.30791	.25067
#1	99418.	13325.	2234.1	7037.8
#2	99203.	13323.	2224.4	7012.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 12:43:57 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2090**	**.0022**	**.0030**	**.0521**	**.0110**	**.0102**	**.0164**	**.0107**	**.0047**
Stddev	.0002	.0000	.0001	.0002	.0002	.0002	.0001	.0000	.0000
%RSD	.1160	2.139	2.596	.3975	2.136	1.696	.8443	.2828	.8371
#1	.2088	.0022	.0030	.0519	.0108	.0103	.0165	.0108	.0047
#2	.2092	.0023	.0029	.0522	.0112	.0101	.0163	.0107	.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	**.0502**	F **.0325**	**.0084**	**.0100**	**.0028**	**.0103**	**.0062**	**.2132**	**5.035**
Stddev	.0004	.0111	.0009	.0016	.0002	.0014	.0004	.0070	.020
%RSD	.8248	34.22	10.72	15.80	5.488	13.33	6.707	3.272	.3945
#1	.0505	.0403	.0078	.0111	.0029	.0113	.0065	.2181	5.049
#2	.0499	.0246	.0091	.0089	.0027	.0094	.0059	.2083	5.021
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0200							
Range		30.00%							

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1064**	**5.161**	**5.005**	**5.071**	**.1050**	**.0210**	**.0595**	**.2091**	**.0110**
Stddev	.0004	.047	.008	.006	.0001	.0001	.0010	.0002	.0005
%RSD	.4116	.9078	.1609	.1286	.1258	.3545	1.641	.0766	4.842
#1	.1060	5.194	4.999	5.066	.1051	.0210	.0602	.2092	.0106
#2	.1067	5.128	5.011	5.075	.1049	.0211	.0588	.2090	.0114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 12:43:57 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0111**	**.0469**	**.0104**	**.0490**	**.0206**	**.0207**
Stddev	.0001	.0000	.0003	.0001	.0037	.0007	.0013
%RSD	.5517	.1287	.5332	.7249	7.502	3.177	6.438
#1	.0106	.0111	.0467	.0103	.0516	.0210	.0216
#2	.0107	.0111	.0471	.0104	.0464	.0201	.0197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99728.**	**13334.**	**2219.3**	**6947.7**
Stddev	311.	146.	11.0	31.2
%RSD	.31201	1.0952	.49693	.44948
#1	99508.	13231.	2227.1	6969.8
#2	99948.	13437.	2211.5	6925.6

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 12:50:35 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0000**	**.0002**	**.0001**	**-.0002**	**.0000**	**.0003**	**-.0004**
Stddev	.000	.000	.000	.0003	.0001	.0003	.000	.0002	.0002
%RSD	54.62	109.2	122.3	195.5	112.8	101.6	25.74	85.72	49.31
#1	.0000	.0000	-.0001	.0004	.0002	-.0004	.0000	.0001	-.0006
#2	.0000	-.0001	.0000	-.0001	.0000	-.0001	.0000	.0004	-.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0210**	**.0006**	**.0204**	**.0221**	**.0190**	**.4891**	**.0002**
Stddev	.0002	.0000	.0005	.0019	.0007	.0020	.0004	.0049	.0003
%RSD	225.3	36.98	2.575	333.9	3.631	9.070	2.028	1.011	149.0
#1	.0002	-.0001	.0214	.0019	.0210	.0235	.0193	.4926	.0000
#2	-.0001	-.0001	.0206	-.0008	.0199	.0207	.0188	.4856	.0005
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5194**	**.0252**	**-.0157**	**-.0081**	**-.0005**	**-.0006**	**-.0007**	**-.0003**	**-.0009**
Stddev	.0005	.0018	.0003	.0026	.0003	.0002	.0003	.0000	.0009
%RSD	.1032	7.012	2.029	32.49	72.67	26.62	42.44	10.07	106.0
#1	.5190	.0264	-.0154	-.0100	-.0007	-.0007	-.0009	-.0002	-.0002
#2	.5198	.0239	-.0159	-.0062	-.0002	-.0005	-.0005	-.0003	-.0016
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 12:50:35 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0079**	**-.0005**	**.0004**	**.0002**	**-.0007**
Stddev	.000	.0003	.0003	.0001	.0002	.0002	.0002
%RSD	49990.	414.1	3.822	19.45	42.43	76.47	30.96
#1	.0001	.0001	-.0077	-.0004	.0005	.0001	-.0008
#2	-.0001	-.0002	-.0082	-.0006	.0003	.0004	-.0005
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101700.**	**13576.**	**2276.5**	**7169.6**
Stddev	40.	23.	7.3	15.2
%RSD	.03885	.17000	.31992	.21159
#1	101730.	13592.	2281.7	7180.3
#2	101670.	13560.	2271.4	7158.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/19/2014 12:56:54 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0001**	**-.0002**	**.0007**	**.0002**	**-.0038**	**-.0001**	**.0000**	**.0015**
Stddev	.0001	.0000	.0000	.0002	.0001	.0001	.0001	.000	.0001
%RSD	7.842	6.824	4.342	28.52	45.74	2.510	95.22	338.9	4.475
#1	-.0009	-.0001	-.0002	.0006	.0003	-.0039	-.0001	.0000	.0015
#2	-.0010	-.0001	-.0002	.0009	.0002	-.0038	.0000	.0000	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**-.0018**	**-.0034**	**-.0003**	**.0040**	**-.0083**	**.0018**	**504.5**	**374.3**
Stddev	.0001	.0002	.0013	.0004	.0016	.0055	.0004	.5	1.8
%RSD	3.876	11.74	37.09	123.3	40.62	65.86	23.83	.1072	.4785
#1	-.0022	-.0017	-.0025	.0000	.0028	-.0122	.0015	504.1	373.0
#2	-.0024	-.0020	-.0043	-.0006	.0051	-.0044	.0020	504.9	375.5
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	**187.5**	**525.4**	**-.0131**	**-.0008**	**-.0131**	**.0065**	**-.0131**	**-.0061**	**.0084**
Stddev	.0	1.2	.0233	.0028	.0010	.0001	.0001	.0014	.0001
%RSD	.0208	.2247	177.4	345.1	7.426	.9565	.3858	22.29	1.080
#1	187.5	526.2	-.0296	.0012	-.0124	.0064	-.0132	-.0070	.0085
#2	187.5	524.5	.0033	-.0028	-.0137	.0065	-.0131	-.0051	.0084
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: 6/19/2014 12:56:54 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0025**	**.0107**	F **.0239**	**-.0109**	**.0028**	**.0041**
Stddev	.0000	.0002	.0021	.0002	.0008	.0004	.0010
%RSD	2.733	8.004	19.30	.9176	7.340	14.60	23.91
#1	-.0007	.0027	.0121	.0238	-.0104	.0025	.0047
#2	-.0007	.0024	.0092	.0241	-.0115	.0031	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86145.**	**13021.**	**1985.6**	**5802.6**
Stddev	112.	34.	3.6	6.7
%RSD	.13025	.26480	.18328	.11490
#1	86066.	12997.	1988.2	5807.3
#2	86224.	13046.	1983.0	5797.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 13:03:17 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4865**	**.4856**	**1.001**	**.4709**	**.4695**	**.5097**	**.4970**	**.9486**	**1.021**
Stddev	.0012	.0004	.002	.0015	.0003	.0001	.0002	.0027	.001
%RSD	.2415	.0908	.2004	.3158	.0571	.0271	.0438	.2874	.1088
#1	.4873	.4853	.9995	.4698	.4696	.5096	.4971	.9467	1.022
#2	.4856	.4860	1.002	.4719	.4693	.5098	.4968	.9505	1.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4405**	**.9315**	**1.083**	**.9690**	**.9375**	**1.083**	**1.031**	**487.1**	**366.4**
Stddev	.0007	.0017	.004	.0076	.0017	.006	.005	2.2	1.3
%RSD	.1479	.1858	.3271	.7848	.1794	.5997	.5103	.4454	.3601
#1	.4400	.9303	1.080	.9637	.9363	1.078	1.028	488.6	365.4
#2	.4409	.9328	1.085	.9744	.9387	1.087	1.035	485.5	367.3
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	**188.9**	**520.6**	**-.0427**	**-.0060**	**-.0131**	**.5099**	**.5411**	**-.0075**	**.0072**
Stddev	.5	.5	.0257	.0013	.0016	.0008	.0021	.0017	.0005
%RSD	.2761	.0899	60.15	22.46	11.96	.1627	.3963	22.50	7.025
#1	189.3	520.3	-.0609	-.0050	-.0142	.5093	.5396	-.0063	.0076
#2	188.5	521.0	-.0245	-.0069	-.0120	.5105	.5426	-.0087	.0068
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 13:03:17 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0059**	**.5437**	**.4883**	**.4585**	**.4976**	**.5786**
Stddev	.0000	.0002	.0028	.0007	.0013	.0024	.0004
%RSD	4.149	3.877	.5171	.1393	.2902	.4911	.0744
#1	-.0009	.0060	.5417	.4878	.4576	.4959	.5783
#2	-.0009	.0057	.5457	.4888	.4595	.4994	.5790
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87103.**	**13015.**	**1998.7**	**5851.0**
Stddev	224.	16.	2.4	10.3
%RSD	.25680	.12401	.12251	.17666
#1	86945.	13004.	2000.4	5858.3
#2	87261.	13027.	1997.0	5843.7

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/19/2014 13:09:33 Type: Unk
Method: Accutest1(v177) Mode: CONC 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**	**-.0012**	**-.0006**	**-.0006**	**-.0074**	**.0017**	**.0000**	**.0046**
Stddev	.0001	.0001	.0000	.0001	.0000	.0001	.0000	.0005	.0001
%RSD	29.96	259.9	.3222	11.46	5.043	1.194	.5393	7201.	1.189
#1	.0003	.0001	-.0012	-.0007	-.0006	-.0074	.0017	.0003	.0046
#2	.0002	.0000	-.0012	-.0006	-.0006	-.0075	.0017	-.0003	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0019**	**.0037**	**-.0006**	**.0010**	**.0018**	**.0040**	**.0039**	**.0398**	**.0274**
Stddev	.0002	.0001	.0002	.0000	.0007	.0009	.0010	.0039	.0002
%RSD	10.75	3.163	25.32	.7330	40.33	22.24	26.16	9.722	.8587
#1	-.0021	.0037	-.0005	.0010	.0023	.0047	.0046	.0426	.0272
#2	-.0018	.0036	-.0007	.0010	.0013	.0034	.0032	.0371	.0275

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**205.8**	**.0651**	**-.0667**	**.0036**	**-.0035**	**-.0007**	**-.0001**	**.0127**	**.0006**
Stddev	.1	.0254	.0068	.0005	.0001	.0000	.0008	.0003	.0007
%RSD	.0452	39.02	10.12	14.03	2.988	.9394	1574.	2.722	123.9
#1	205.8	.0830	-.0715	.0040	-.0036	-.0007	.0005	.0129	.0001
#2	205.9	.0471	-.0620	.0033	-.0034	-.0007	-.0007	.0124	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**.0010**	**.0147**	**-.0035**	**.0048**	**-.0015**
Stddev	.0001	.0003	.0014	.0001	.0015	.0008	.0003
%RSD	53.97	191.4	146.3	.3726	41.31	17.48	18.25
#1	-.0001	-.0001	.0020	.0147	-.0025	.0054	-.0013
#2	-.0001	.0004	.0000	.0146	-.0046	.0042	-.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97344.**	**13328.**	**2195.1**	**7050.6**
Stddev	49.	37.	3.3	4.1
%RSD	.05031	.27617	.14939	.05834
#1	97378.	13354.	2197.4	7053.5
#2	97309.	13302.	2192.8	7047.6

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/19/2014 13:15:50 Type: Unk
Method: Accutest1(v177) Mode: CONC 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**	**-.0010**	**12.30**	**.0005**	**-.0014**	**.0005**	**-.0005**
Stddev	.0000	.0000	.0000	.0003	.00	.0001	.0000	.0005	.0004
%RSD	1.058	1.078	28.55	26.63	.0257	19.05	.6941	95.84	81.89
#1	.0002	.0001	.0001	-.0011	12.30	.0006	-.0014	.0002	-.0008
#2	.0002	.0001	.0001	-.0008	12.30	.0005	-.0014	.0009	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0012**	**-.0007**	**.0028**	**.0022**	**.0008**	**.0002**	**.0043**	**.0251**	**.0277**
Stddev	.0000	.0001	.0003	.0018	.0000	.0011	.0004	.0092	.0051
%RSD	3.075	8.297	11.17	82.41	1.048	692.1	8.233	36.81	18.34
#1	-.0012	-.0007	.0030	.0035	.0008	.0009	.0045	.0186	.0313
#2	-.0012	-.0006	.0026	.0009	.0008	-.0006	.0040	.0316	.0241

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0220**	**.0090**	**-.0207**	**.0047**	**-.0005**	**.0000**	**.0016**	**.0176**	**-.0024**
Stddev	.0005	.0132	.0140	.0080	.0006	.000	.0006	.0004	.0008
%RSD	2.178	146.7	67.55	170.8	132.3	82.41	37.73	2.269	33.61
#1	.0216	-.0003	-.0108	.0103	.0000	-.0001	.0021	.0173	-.0018
#2	.0223	.0184	-.0305	-.0010	-.0009	.0000	.0012	.0179	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0116**	**-.0011**	**.0010**	**.0162**	**.0000**
Stddev	.0000	.0002	.0001	.0000	.0002	.0000	.001
%RSD	43.67	84.80	.8330	3.288	15.71	.2747	6562.
#1	.0001	.0003	-.0116	-.0011	.0011	.0162	-.0007
#2	.0001	.0001	-.0117	-.0010	.0009	.0162	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99559.**	**13307.**	**2176.7**	**7029.2**
Stddev	171.	80.	2.0	5.3
%RSD	.17166	.60024	.09268	.07483
#1	99680.	13251.	2178.2	7032.9
#2	99438.	13364.	2175.3	7025.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 13:22:07 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.061**	**2.022**	**2.033**	**2.051**	**1.978**	**2.071**	**2.055**	**.2465**
Stddev	.001	.005	.002	.002	.003	.000	.002	.001	.0001
%RSD	.0541	.2217	.0960	.0857	.1548	.0004	.1139	.0230	.0574
#1	2.032	2.064	2.021	2.032	2.053	1.978	2.073	2.054	.2466
#2	2.034	2.058	2.023	2.034	2.049	1.978	2.069	2.055	.2464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**2.073**	**2.009**	**2.076**	**2.056**	**2.013**	**2.009**	**39.68**	**40.45**
Stddev	.003	.001	.006	.014	.003	.003	.003	.01	.07
%RSD	.1604	.0322	.3131	.6523	.1595	.1550	.1422	.0311	.1734
#1	2.002	2.072	2.004	2.066	2.054	2.011	2.007	39.69	40.50
#2	1.997	2.073	2.013	2.085	2.059	2.015	2.011	39.67	40.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.72**	**40.41**	**39.92**	**40.03**	**2.023**	**2.043**	**1.982**	**4.972**	**2.059**
Stddev	.13	.11	.04	.01	.005	.005	.002	.009	.006
%RSD	.3278	.2796	.0939	.0374	.2360	.2490	.0787	.1918	.3029	
#1	40.81	40.49	39.94	40.04	2.020	2.040	1.981	4.965	2.055
#2	40.62	40.33	39.89	40.02	2.026	2.047	1.983	4.978	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 13:22:07 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.026**	**1.941**	**2.012**	**1.981**	**1.987**	**1.983**
Stddev	.002	.002	.013	.002	.010	.004	.002
%RSD	.0869	.0972	.6664	.1180	.5132	.2187	.1099
#1	2.038	2.028	1.932	2.014	1.974	1.984	1.981
#2	2.040	2.025	1.950	2.010	1.988	1.991	1.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95520.**	**13310.**	**2161.7**	**6507.7**
Stddev	23.	65.	2.3	3.5
%RSD	.02430	.49168	.10629	.05452
#1	95536.	13264.	2163.3	6510.2
#2	95503.	13357.	2160.1	6505.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 13:28:11 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0001**	**-.0002**	**.0001**	**.0004**	**.0000**
Stddev	.000	.0001	.0001	.0001	.0002	.0002	.0000	.0004	.000
%RSD	667.4	121.1	210.5	48.31	138.1	101.1	24.08	91.83	150.7
#1	.0000	.0000	-.0001	.0003	.0000	-.0003	.0000	.0001	.0000
#2	.0000	-.0001	.0000	.0002	.0002	.0000	.0001	.0007	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0008**	**.0015**	**.0000**	**-.0007**	**-.0012**	**.0035**	**.0004**
Stddev	.0000	.0001	.0002	.0023	.001	.0015	.0001	.0025	.0008
%RSD	134.5	387.4	29.37	155.6	2780.	199.3	6.975	71.53	190.2
#1	.0001	.0001	.0010	-.0002	-.0009	.0003	-.0011	.0017	.0010
#2	.0000	.0000	.0006	.0032	.0008	-.0018	-.0013	.0052	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**-.0059**	**-.0019**	**.0012**	**.0010**	**.0015**	**.0006**	**.0035**	**-.0007**
Stddev	.0031	.0190	.0156	.0006	.0002	.0004	.0007	.0000	.0003
%RSD	120.3	322.6	808.2	51.10	17.20	25.73	122.7	1.420	39.30
#1	.0004	-.0193	.0091	.0008	.0012	.0017	.0010	.0035	-.0009
#2	.0048	.0075	-.0129	.0017	.0009	.0012	.0001	.0035	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 13:28:11 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0011**	**.0002**	**-.0017**	**.0008**	**.0007**
Stddev	.0000	.0001	.0009	.0001	.0017	.0012	.0003
%RSD	62.51	27.02	87.16	43.28	97.23	151.5	42.96
#1	.0000	.0003	.0017	.0003	-.0029	-.0001	.0009
#2	-.0001	.0002	.0004	.0002	-.0005	.0016	.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	**100180.**	**13450.**	**2247.9**	**7093.9**
Stddev	11.	36.	4.0	11.7
%RSD	.01050	.27013	.17753	.16541
#1	100170.	13476.	2250.7	7102.2
#2	100180.	13425.	2245.1	7085.6

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 13:34:29 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2083**	**.0022**	**.0031**	**.0516**	**.0107**	**.0098**	**.0166**	**.0109**	**.0045**
Stddev	.0000	.0000	.0002	.0001	.0002	.0001	.0000	.0004	.0002
%RSD	.0144	1.709	5.395	.1782	2.113	1.521	.1927	3.314	5.410
#1	.2082	.0023	.0033	.0516	.0109	.0097	.0166	.0107	.0043
#2	.2083	.0022	.0030	.0517	.0106	.0099	.0167	.0112	.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	**.0506**	**.0239**	**.0089**	**.0099**	**.0033**	**.0100**	**.0055**	**.2098**	**4.971**
Stddev	.0000	.0002	.0009	.0015	.0002	.0018	.0002	.0050	.031
%RSD	.0965	.8447	10.62	15.02	5.283	17.86	3.765	2.397	.6290
#1	.0506	.0238	.0083	.0110	.0034	.0088	.0056	.2063	4.993
#2	.0506	.0240	.0096	.0089	.0032	.0113	.0053	.2134	4.949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1091**	**5.080**	**4.971**	**5.021**	**.1051**	**.0216**	**.0591**	**.2090**	**.0113**
Stddev	.0005	.050	.023	.001	.0005	.0001	.0010	.0002	.0002
%RSD	.4940	.9827	.4575	.0096	.5025	.3062	1.639	.1035	1.991
#1	.1095	5.116	4.987	5.021	.1055	.0216	.0584	.2089	.0115
#2	.1088	5.045	4.955	5.021	.1047	.0217	.0598	.2092	.0112
Check ?	Chk Pass	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: 6/19/2014 13:34:29 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0110**	**.0470**	**.0115**	**.0473**	**.0207**	**.0206**
Stddev	.0001	.0003	.0009	.0002	.0003	.0004	.0008
%RSD	.7190	2.620	1.865	2.079	.6405	1.874	3.699
#1	.0105	.0112	.0476	.0116	.0471	.0210	.0201
#2	.0106	.0108	.0463	.0113	.0475	.0205	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99304.**	**13352.**	**2230.4**	**6976.9**
Stddev	208.	85.	.7	.6
%RSD	.20946	.63673	.03162	.00914
#1	99156.	13292.	2230.9	6976.5
#2	99451.	13412.	2229.9	6977.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 13:40:43 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0011**	**.0031**	**.0021**	**.0020**	**.0033**	**.0048**	**.0007**
Stddev	.0004	.0000	.0001	.0001	.0001	.0003	.0000	.0000	.0001
%RSD	8.933	.0930	10.18	3.159	3.468	15.97	.6654	.7289	7.146
#1	.0040	.0010	.0010	.0031	.0020	.0018	.0033	.0048	.0007
#2	.0045	.0010	.0011	.0030	.0021	.0023	.0032	.0048	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0117**	**.0034**	**.0023**	**.0028**	**.0043**	F **.0019**	**.1043**	**1.017**
Stddev	.0002	.0001	.0002	.0002	.0006	.0006	.0008	.0067	.004
%RSD	12.39	1.147	5.787	6.500	22.03	14.87	40.39	6.439	.4441
#1	.0020	.0116	.0036	.0022	.0024	.0047	.0014	.0996	1.014
#2	.0016	.0118	.0033	.0024	.0032	.0038	.0025	.1091	1.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0030		
Range							-30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.1120**	**1.995**	**1.007**	**.0102**	**-.0006**	**.0019**	**-.0007**	**-.0008**
Stddev	.0003	.0198	.011	.012	.0004	.0002	.0005	.0001	.0000
%RSD	30.39	17.69	.5688	1.150	3.644	33.36	25.46	8.296	1.927
#1	.0011	.0980	2.003	.9988	.0105	-.0005	.0016	-.0007	-.0008
#2	.0007	.1260	1.987	1.015	.0100	-.0007	.0023	-.0007	-.0008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 13:40:43 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0097**	**-.0005**	**-.0003**	**-.0001**	**-.0003**
Stddev	.000	.0003	.0001	.0001	.0002	.0001	.0007
%RSD	121.6	100.7	1.382	24.56	59.82	154.2	260.5
#1	-.0001	.0005	-.0096	-.0004	-.0004	-.0002	.0002
#2	.0000	.0001	-.0098	-.0006	-.0002	.0000	-.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100420.**	**13469.**	**2247.4**	**7073.1**
Stddev	3.	26.	1.5	11.9
%RSD	.00274	.19368	.06877	.16891
#1	100420.	13487.	2248.5	7081.5
#2	100420.	13450.	2246.3	7064.6

Zoom In Zoom Out

Sample Name: mp80110-mb1conf Acquired: 6/19/2014 13:46:59 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**.0000**	**.0001**	**.0001**	**.0024**	**.0011**	**.0009**	**.0007**	**-.0004**
Stddev	.0001	.000	.0000	.0001	.0000	.0002	.0000	.0001	.0002
%RSD	8.238	714.8	24.31	34.65	1.552	15.18	.4215	12.69	48.92
#1	.0012	.0000	.0002	.0002	.0024	.0012	.0009	.0006	-.0005
#2	.0011	-.0001	.0001	.0001	.0024	.0010	.0009	.0007	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0042**	**.0003**	**.0004**	**-.0001**	**.0022**	**-.0002**	**.0163**	**.2344**
Stddev	.0001	.0001	.0013	.0002	.0001	.0019	.0003	.0013	.0010
%RSD	82.40	2.615	462.6	60.22	59.29	88.23	149.5	8.093	.4266
#1	-.0001	.0042	-.0007	.0002	-.0001	.0036	-.0003	.0154	.2337
#2	.0000	.0041	.0012	.0006	-.0001	.0008	.0000	.0172	.2351

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0718**	**.0760**	**.0265**	**.0897**	**.0001**	**-.0004**	**.0001**	**.0518**	**.0201**
Stddev	.0006	.0061	.0156	.0100	.0000	.0001	.0001	.0006	.0006
%RSD	.8457	8.063	58.93	11.16	15.98	35.90	48.83	1.080	3.149
#1	.0722	.0717	.0155	.0826	.0001	-.0005	.0002	.0522	.0197
#2	.0714	.0804	.0376	.0968	.0001	-.0003	.0001	.0514	.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0011**	**-.0089**	**.0000**	**.0126**	**-.0013**	**-.0005**
Stddev	.0001	.0000	.0003	.000	.0028	.0000	.0005
%RSD	9.057	1.440	3.572	79.17	21.96	2.944	96.00
#1	.0007	.0011	-.0087	.0000	.0107	-.0013	-.0009
#2	.0008	.0011	-.0091	.0000	.0146	-.0013	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101450.**	**13668.**	**2241.6**	**7099.9**
Stddev	171.	58.	4.7	7.7
%RSD	.16881	.42326	.20754	.10789
#1	101330.	13627.	2244.9	7105.3
#2	101580.	13709.	2238.3	7094.5

Zoom In Zoom Out

Sample Name: jb69468-3 2 Acquired: 6/19/2014 13:53:15 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9514**	**.0036**	**.0139**	**.1335**	**1.394**	**7.005**	**5.327**	**1.742**	**.0113**
Stddev	.0032	.0001	.0005	.0004	.003	.012	.000	.001	.0001
%RSD	.3377	2.401	3.455	.2649	.2112	.1674	.0000	.0456	.6985
#1	.9536	.0035	.0142	.1333	1.392	7.014	5.327	1.742	.0114
#2	.9491	.0037	.0136	.1338	1.396	6.997	5.327	1.743	.0112

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3981**	**4.528**	**.0787**	**-.0007**	**2.098**	**-.0133**	**.0151**	**127.7**	**197.4**
Stddev	.0004	.002	.0035	.0012	.002	.0039	.0007	.0	.4
%RSD	.0953	.0408	4.418	172.6	.0974	29.05	4.603	.0196	.2062
#1	.3978	4.529	.0763	.0002	2.097	-.0160	.0146	127.7	197.1
#2	.3984	4.526	.0812	-.0015	2.100	-.0106	.0156	127.7	197.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**557.7**	**33.72**	**10.02**	**3.202**	**.1540**	**.1885**	**-.0385**	**5.290**	**.1661**
Stddev	.9	.16	.03	.003	.0026	.0003	.0003	.011	.0023
%RSD	.1543	.4639	.2573	.0940	1.669	.1751	.8674	.2055	1.359
#1	557.1	33.61	10.00	3.204	.1522	.1883	-.0388	5.283	.1645
#2	558.3	33.83	10.04	3.200	.1558	.1887	-.0383	5.298	.1677

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8827**	**5.545**	**.0260**	**.5045**	**71.82**	**.0142**	**.0940**
Stddev	.0024	.008	.0005	.0007	.20	.0010	.0018
%RSD	.2687	.1404	2.054	.1343	.2770	7.125	1.926
#1	.8844	5.550	.0263	.5040	71.68	.0149	.0927
#2	.8810	5.539	.0256	.5050	71.96	.0135	.0953

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97965.**	**13922.**	**2199.5**	**6790.6**
Stddev	52.	127.	2.4	6.5
%RSD	.05319	.91515	.10978	.09619
#1	98002.	14012.	2201.2	6795.2
#2	97928.	13832.	2197.8	6786.0

Zoom In Zoom Out

Sample Name: jb69468-6 Acquired: 6/19/2014 13:59:21 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2248**	**.0021**	**.0038**	**.0762**	**.1520**	**.7570**	**2.211**	**.1406**	**.0043**
Stddev	.0000	.0001	.0004	.0002	.0002	.0016	.001	.0003	.0003
%RSD	.0219	3.222	11.14	.2102	.1204	.2108	.0511	.2200	6.483
#1	.2248	.0022	.0041	.0763	.1521	.7559	2.210	.1403	.0045
#2	.2247	.0021	.0035	.0761	.1519	.7582	2.211	.1408	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.7974**	**88.79**	**.0442**	**.0045**	**.2252**	**-.0497**	**.0483**	**69.44**	**191.2**
Stddev	.0023	.01	.0001	.0016	.0012	.0029	.0001	.05	.3
%RSD	.2822	.0130	.2273	34.48	.5431	5.753	.1246	.0755	.1725
#1	.7958	88.80	.0443	.0056	.2243	-.0517	.0483	69.47	191.5
#2	.7990	88.78	.0442	.0034	.2260	-.0477	.0484	69.40	191.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**178.6**	**83.24**	**8.721**	**8.615**	**.5725**	**.0126**	**-.0116**	**7.014**	**.0398**
Stddev	.0	.09	.003	.010	.0016	.0003	.0026	.009	.0006
%RSD	.0184	.1121	.0291	.1189	.2772	2.672	22.62	.1232	1.534
#1	178.7	83.30	8.723	8.622	.5713	.0128	-.0098	7.008	.0402
#2	178.6	83.17	8.719	8.607	.5736	.0124	-.0135	7.020	.0393

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4732**	**5.363**	**.4040**	**.0719**	**10.20**	**.0096**	**.0976**
Stddev	.0005	.007	.0005	.0004	.01	.0008	.0022
%RSD	.1125	.1259	.1266	.5311	.1284	8.701	2.298
#1	.4736	5.358	.4043	.0722	10.19	.0102	.0960
#2	.4728	5.368	.4036	.0716	10.21	.0090	.0992

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97407.**	**13817.**	**2191.0**	**6584.3**
Stddev	41.	3.	.4	4.8
%RSD	.04164	.02518	.01721	.07330
#1	97436.	13814.	2191.2	6587.8
#2	97378.	13819.	2190.7	6580.9

Zoom In Zoom Out

Sample Name: jb69468-11 Acquired: 6/19/2014 14:05:27 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3943**	**.0047**	**.0050**	**.1008**	**.0918**	**1.865**	**3.502**	**.1210**	**.0062**
Stddev	.0011	.0002	.0002	.0000	.0001	.002	.002	.0004	.0002
%RSD	.2802	3.669	3.754	.0251	.1414	.1262	.0650	.3688	2.800
#1	.3951	.0048	.0052	.1008	.0918	1.867	3.500	.1214	.0060
#2	.3935	.0046	.0049	.1007	.0917	1.863	3.504	.1207	.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3166**	**1.597**	**.2512**	**-.0062**	**5.361**	**-.0063**	**.0562**	**71.12**	**171.5**
Stddev	.0003	.001	.0011	.0002	.000	.0004	.0007	.15	.5
%RSD	.1092	.0299	.4224	2.801	.0016	6.861	1.319	.2047	.3036
#1	.3164	1.597	.2520	-.0060	5.361	-.0060	.0557	71.22	171.9
#2	.3168	1.596	.2505	-.0063	5.361	-.0066	.0568	71.02	171.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**262.7**	**52.05**	**11.38**	**5.607**	**.9973**	**.0162**	**-.0162**	**5.835**	**.5801**
Stddev	.2	.14	.04	.020	.0033	.0004	.0001	.006	.0011
%RSD	.0851	.2783	.3926	.3601	.3342	2.221	.7005	.0956	.1937
#1	262.8	52.16	11.42	5.621	.9950	.0160	-.0161	5.831	.5794
#2	262.5	51.95	11.35	5.592	.9997	.0165	-.0163	5.839	.5809

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3771**	**6.609**	**.0074**	**.0871**	**4.011**	**.0161**	**.1116**
Stddev	.0012	.006	.0006	.0002	.010	.0002	.0007
%RSD	.3278	.0936	7.478	.1868	.2553	1.342	.6336
#1	.3780	6.605	.0078	.0870	4.004	.0163	.1111
#2	.3762	6.614	.0070	.0872	4.019	.0160	.1121

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100930.**	**14501.**	**2261.7**	**6516.6**
Stddev	74.	6.	.9	2.8
%RSD	.07284	.04177	.04090	.04305
#1	100880.	14497.	2261.0	6514.7
#2	100980.	14506.	2262.3	6518.6

Zoom In Zoom Out

Sample Name: mp80146-mb1 2 Acquired: 6/19/2014 14:11:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**.0000**	**.0003**	**.0000**	**.0002**	**-.0001**	**-.0003**
Stddev	.0000	.0000	.0000	.0000	.0001	.0000	.0000	.0001	.0001
%RSD	20.70	73.77	40.04	106.3	31.11	2.708	9.717	116.3	41.65
#1	.0001	.0000	-.0001	.0000	.0003	.0000	.0002	.0000	-.0004
#2	.0001	.0000	-.0001	.0000	.0002	.0000	.0002	-.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0011**	**.0003**	**.0008**	**.0000**	**.0018**	**-.0007**	**.0121**	**.0093**
Stddev	.0002	.0002	.0004	.0006	.0001	.0019	.0003	.0040	.0013
%RSD	67.17	18.94	116.9	77.86	289.2	104.7	37.33	32.96	14.06
#1	-.0002	.0010	.0001	.0013	.0000	.0031	-.0005	.0150	.0102
#2	-.0004	.0013	.0006	.0004	.0001	.0005	-.0009	.0093	.0084

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0054**	**.0099**	**.0009**	**.0026**	**.0097**	**-.0010**	**.0006**	**.0950**	**-.0005**
Stddev	.0007	.0009	.0372	.0006	.0001	.0000	.0007	.0007	.0003
%RSD	13.42	8.688	4167.	24.69	1.435	3.106	108.1	.7651	68.93
#1	.0048	.0093	-.0254	.0030	.0098	-.0010	.0001	.0955	-.0007
#2	.0059	.0105	.0272	.0021	.0096	-.0010	.0011	.0944	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0142**	**-.0003**	**.0023**	**-.0006**	**-.0010**
Stddev	.0000	.0000	.0010	.0000	.0007	.0002	.0005
%RSD	20.66	.6894	6.761	5.209	31.97	37.13	54.85
#1	.0000	.0004	-.0149	-.0003	.0018	-.0007	-.0014
#2	.0000	.0004	-.0135	-.0003	.0028	-.0004	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102910.**	**13732.**	**2273.9**	**7198.1**
Stddev	216.	170.	10.5	28.0
%RSD	.20999	1.2381	.46250	.38952
#1	103060.	13853.	2281.3	7217.9
#2	102750.	13612.	2266.5	7178.2

Zoom In Zoom Out

Sample Name: mp80146-mb2 Acquired: 6/19/2014 14:17:43 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0003**	**.0001**	**.0004**	**.0006**	**.0004**	**-.0005**
Stddev	.0003	.0000	.0001	.0001	.0002	.0002	.0000	.0000	.0002
%RSD	150.5	43.68	157.4	44.79	158.2	57.36	1.617	8.802	32.52
#1	.0004	-.0001	.0000	.0002	.0002	.0005	.0006	.0004	-.0006
#2	.0000	.0000	.0001	.0004	.0000	.0002	.0006	.0004	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0010**	**.0000**	**.0009**	**.0008**	**.0013**	**-.0013**	**.0110**	**.0101**
Stddev	.000	.0001	.000	.0026	.0010	.0001	.0004	.0086	.0048
%RSD	49.34	6.586	796.3	303.5	119.2	6.071	30.31	78.16	47.09
#1	-.0001	.0010	.0002	-.0010	.0015	.0012	-.0011	.0049	.0067
#2	.0000	.0009	-.0002	.0027	.0001	.0013	-.0016	.0170	.0135

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0137**	**.0101**	**-.0194**	**-.0032**	**.0002**	**-.0010**	**.0010**	**.0104**	**-.0005**
Stddev	.0062	.0048	.0034	.0022	.0002	.0000	.0002	.0005	.0009
%RSD	45.16	47.10	17.44	71.14	94.94	3.200	20.09	4.977	197.3
#1	.0093	.0067	-.0218	-.0016	.0004	-.0010	.0008	.0100	.0002
#2	.0181	.0134	-.0170	-.0048	.0001	-.0011	.0011	.0108	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0160**	**-.0007**	**.0007**	**-.0001**	**.0001**
Stddev	.0000	.0000	.0004	.0000	.0029	.0006	.0002
%RSD	18.82	4.210	2.408	6.928	452.5	739.3	137.7
#1	.0001	.0005	-.0158	-.0007	-.0014	.0004	.0000
#2	.0001	.0004	-.0163	-.0006	.0027	-.0005	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100330.**	**13631.**	**2237.1**	**7077.5**
Stddev	93.	100.	.5	10.6
%RSD	.09229	.73068	.02401	.15030
#1	100400.	13561.	2237.5	7085.0
#2	100260.	13701.	2236.7	7070.0

Zoom In Zoom Out

Sample Name: mp80146-lc1 Acquired: 6/19/2014 14:23:58 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5008**	**.4959**	**.4918**	**.4795**	**.4995**	**.4681**	**.5108**	**.4968**	**.1900**
Stddev	.0015	.0008	.0005	.0011	.0035	.0037	.0056	.0011	.0017
%RSD	.2914	.1602	.0941	.2279	.7093	.7875	1.093	.2119	.9073
#1	.5018	.4965	.4922	.4788	.5020	.4707	.5147	.4960	.1913
#2	.4997	.4954	.4915	.4803	.4970	.4655	.5068	.4975	.1888

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4556**	**.5079**	**.4945**	**.5148**	**.4981**	**.5260**	**.4828**	**4.830**	**5.418**
Stddev	.0045	.0017	.0030	.0045	.0019	.0005	.0013	.001	.011
%RSD	.9776	.3328	.6153	.8769	.3719	.0954	.2741	.0184	.2080
#1	.4588	.5067	.4924	.5116	.4968	.5263	.4838	4.831	5.410
#2	.4525	.5091	.4967	.5179	.4994	.5256	.4819	4.830	5.426

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.564**	**5.369**	**9.726**	**9.825**	**.0081**	**.4930**	**.0002**	**.0485**	**.0007**
Stddev	.006	.010	.012	.025	.0003	.0006	.0005	.0004	.0000
%RSD	.1116	.1912	.1205	.2597	3.946	.1294	310.3	.8140	3.679
#1	5.568	5.377	9.718	9.843	.0083	.4925	-.0002	.0488	.0007
#2	5.560	5.362	9.735	9.807	.0079	.4934	.0005	.0483	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5020**	**-.0087**	**.0036**	**.0031**	**-.0003**	**.0001**
Stddev	.0000	.0046	.0001	.0002	.0023	.0008	.0008
%RSD	31.73	.9181	.8921	4.722	73.56	309.2	613.7
#1	-.0001	.5053	-.0087	.0037	.0015	.0003	.0007
#2	-.0002	.4988	-.0088	.0035	.0047	-.0008	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99040.**	**13702.**	**2197.9**	**6864.7**
Stddev	1025.	15.	.1	2.3
%RSD	1.0348	.11161	.00436	.03306
#1	98315.	13713.	2197.8	6866.3
#2	99765.	13691.	2197.9	6863.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 14:30:04 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.050**	**2.023**	**2.035**	**2.046**	**1.996**	**2.075**	**2.055**	**.2476**
Stddev	.002	.001	.002	.001	.002	.000	.005	.001	.0000
%RSD	.0903	.0328	.0972	.0532	.0840	.0039	.2571	.0517	.0149
#1	2.029	2.051	2.022	2.035	2.045	1.996	2.079	2.054	.2476
#2	2.026	2.050	2.024	2.036	2.047	1.996	2.072	2.056	.2476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**2.067**	**2.004**	**2.069**	**2.057**	**2.009**	**2.016**	**39.65**	**40.41**
Stddev	.000	.002	.003	.002	.001	.002	.001	.05	.03
%RSD	.0070	.0824	.1617	.0711	.0427	.0761	.0334	.1293	.0734
#1	2.003	2.066	2.002	2.070	2.056	2.008	2.016	39.68	40.43
#2	2.003	2.069	2.006	2.067	2.057	2.010	2.017	39.61	40.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.49**	**40.28**	**39.79**	**39.96**	**2.029**	**2.044**	**2.003**	**4.990**	**2.057**
Stddev	.03	.00	.01	.07	.001	.004	.004	.004	.006
%RSD	.0626	.0034	.0330	.1637	.0396	.1839	.1800	.0853	.2874
#1	40.47	40.29	39.78	40.01	2.029	2.041	2.005	4.987	2.053
#2	40.50	40.28	39.80	39.92	2.030	2.046	2.000	4.993	2.061
Check ?	Chk Pass	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: 6/19/2014 14:30:04 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.039**	**1.931**	**2.010**	**1.971**	**1.992**	**1.984**
Stddev	.004	.005	.015	.001	.007	.003	.002
%RSD	.1941	.2601	.7675	.0683	.3458	.1458	.0914
#1	2.037	2.042	1.920	2.009	1.966	1.990	1.983
#2	2.032	2.035	1.941	2.011	1.976	1.994	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95540.**	**13394.**	**2157.9**	**6498.1**
Stddev	157.	23.	3.1	10.6
%RSD	.16476	.17454	.14432	.16387
#1	95428.	13410.	2160.1	6505.6
#2	95651.	13377.	2155.7	6490.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 14:36:08 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0002**	**.0004**	**.0001**	**.0002**	**.0003**	**.0005**	**-.0003**
Stddev	.0004	.0000	.0001	.0002	.0003	.0001	.0000	.0000	.0003
%RSD	170.7	4.918	42.97	62.15	388.9	91.02	8.483	8.557	94.08
#1	.0000	.0002	.0003	.0002	-.0001	.0001	.0003	.0005	-.0005
#2	.0005	.0002	.0001	.0005	.0003	.0002	.0003	.0005	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0002**	**.0007**	**-.0002**	**-.0004**	**.0002**	**.0104**	**.0038**
Stddev	.0002	.0000	.0002	.0006	.0006	.0008	.0008	.0016	.0012
%RSD	161.8	3.678	103.1	90.83	401.2	208.5	364.8	15.10	30.94
#1	.0003	.0001	-.0001	.0002	.0003	.0002	-.0003	.0115	.0030
#2	.0000	.0001	-.0004	.0011	-.0006	-.0009	.0007	.0093	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0078**	**.0007**	**.0082**	**.0013**	**.0014**	**.0014**	**.0035**	**-.0009**
Stddev	.0004	.0080	.0332	.0067	.0000	.0004	.0006	.0000	.0002
%RSD	8.606	102.5	4876.	81.70	.4534	28.74	40.98	.2358	24.83
#1	.0048	.0135	-.0228	.0035	.0013	.0017	.0010	.0035	-.0008
#2	.0054	.0022	.0242	.0130	.0013	.0011	.0019	.0035	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 14:36:08 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0023**	**.0002**	**-.0006**	**.0003**	**-.0019**
Stddev	.0001	.0000	.0009	.0000	.0015	.0010	.0010
%RSD	35.99	9.050	39.73	4.495	245.1	349.6	54.87
#1	.0002	.0005	-.0017	.0002	.0005	.0010	-.0026
#2	.0003	.0005	-.0030	.0002	-.0017	-.0004	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101010.**	**13381.**	**2234.7**	**7057.9**
Stddev	412.	91.	1.6	4.5
%RSD	.40755	.67963	.06974	.06311
#1	101300.	13445.	2235.8	7061.0
#2	100720.	13317.	2233.6	7054.7

Zoom In Zoom Out

Sample Name: mp80146-lc2 Acquired: 6/19/2014 14:42:26 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5159**	**.5126**	**.5078**	**.4961**	**.5093**	**.4783**	**.5219**	**.5140**	**.1948**
Stddev	.0073	.0068	.0035	.0027	.0014	.0012	.0029	.0035	.0003
%RSD	1.410	1.319	.6930	.5373	.2686	.2461	.5563	.6786	.1757
#1	.5107	.5078	.5103	.4980	.5083	.4775	.5199	.5165	.1946
#2	.5210	.5173	.5054	.4942	.5103	.4792	.5240	.5116	.1951

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4655**	**.5245**	**.5089**	**.5228**	**.5144**	**.5392**	**.4970**	**4.993**	**5.576**
Stddev	.0019	.0024	.0029	.0040	.0030	.0045	.0028	.066	.078
%RSD	.4179	.4644	.5705	.7687	.5835	.8395	.5678	1.316	1.407
#1	.4641	.5262	.5110	.5256	.5165	.5424	.4989	4.947	5.521
#2	.4669	.5227	.5068	.5200	.5123	.5360	.4950	5.040	5.632

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.765**	**5.525**	**10.06**	**10.13**	**.0049**	**.5065**	**.0000**	**.0220**	**.0005**
Stddev	.084	.100	.14	.15	.0001	.0031	.0001	.0001	.0004
%RSD	1.450	1.808	1.350	1.459	2.449	.6208	195.8	.3615	66.54
#1	5.706	5.455	9.966	10.03	.0048	.5087	.0001	.0220	.0008
#2	5.824	5.596	10.16	10.24	.0050	.5043	.0000	.0221	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5120**	**.0012**	**.0049**	**.0002**	**-.0002**	**.0006**
Stddev	.0001	.0014	.0014	.0001	.0011	.0003	.0000
%RSD	81.46	.2734	119.0	1.491	594.2	171.2	.8183
#1	-.0001	.5110	.0021	.0048	-.0006	-.0004	.0006
#2	-.0002	.5130	.0002	.0049	.0010	.0000	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100630.**	**13739.**	**2222.3**	**6919.6**
Stddev	459.	177.	8.4	29.5
%RSD	.45658	1.2919	.37726	.42642
#1	100960.	13864.	2216.4	6898.8
#2	100310.	13613.	2228.2	6940.5

Zoom In Zoom Out

Sample Name: jb69490-1 Acquired: 6/19/2014 14:48:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0208**	**.0023**	**.0008**	**.0501**	**.0011**	**.0014**	**.7389**	**.0556**	**-.0001**
Stddev	.0001	.0000	.0002	.0006	.0003	.0001	.0180	.0007	.0002
%RSD	.6950	.4247	19.94	1.243	30.58	6.888	2.436	1.290	189.2
#1	.0209	.0023	.0007	.0497	.0013	.0015	.7517	.0551	-.0002
#2	.0206	.0023	.0009	.0505	.0009	.0013	.7262	.0561	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0102**	**.2371**	**.0005**	**.0017**	**.0008**	**-.0007**	**.0001**	**.5915**	**23.32**
Stddev	.0002	.0028	.0004	.0011	.0011	.0000	.0000	.0010	.17
%RSD	1.558	1.169	73.91	64.62	125.8	.8821	66.02	.1709	.7353
#1	.0103	.2352	.0003	.0009	.0001	-.0007	.0000	.5908	23.44
#2	.0101	.2391	.0008	.0025	.0016	-.0007	.0001	.5923	23.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.993**	**6.614**	**3.216**	**38.95**	**.1263**	**.0002**	**.0005**	**3.860**	**.0024**
Stddev	.026	.096	.026	.36	.0022	.0000	.0009	.061	.0004
%RSD	.5245	1.449	.8205	.9146	1.728	9.030	206.0	1.575	15.38
#1	5.012	6.682	3.235	39.20	.1248	.0002	.0011	3.817	.0021
#2	4.975	6.547	3.197	38.70	.1279	.0002	-.0002	3.903	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1539**	**.0007**	**-.0104**	**.0045**	**40.51**	**.0005**	**.0089**
Stddev	.0016	.0003	.0001	.0002	.66	.0006	.0002
%RSD	1.044	40.40	1.171	3.372	1.633	130.9	2.016
#1	.1551	.0005	-.0105	.0044	40.04	.0009	.0090
#2	.1528	.0009	-.0103	.0046	40.98	.0000	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99626.**	**13365.**	**2230.6**	**6866.4**
Stddev	2016.	53.	37.1	106.4
%RSD	2.0233	.39880	1.6650	1.5494
#1	98201.	13327.	2256.9	6941.6
#2	101050.	13402.	2204.4	6791.2

Zoom In Zoom Out

Sample Name: jb69490-2 Acquired: 6/19/2014 14:54:37 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0469**	**.0020**	**.0006**	**.0378**	**.0016**	**.0069**	**.5081**	**.0423**	**-.0008**
Stddev	.0006	.0000	.0001	.0002	.0002	.0001	.0075	.0004	.0002
%RSD	1.244	1.267	20.30	.6452	15.34	2.133	1.473	.8609	27.12
#1	.0473	.0020	.0005	.0376	.0014	.0070	.5134	.0421	-.0010
#2	.0465	.0020	.0007	.0379	.0017	.0068	.5028	.0426	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0085**	**.1737**	**.0053**	**-.0006**	**.0024**	**-.0007**	**-.0006**	**7.200**	**13.38**
Stddev	.0001	.0003	.0005	.0005	.0002	.0015	.0004	.023	.04
%RSD	.9480	.1695	8.987	74.54	7.263	211.4	71.34	.3216	.2883
#1	.0086	.1735	.0050	-.0009	.0023	-.0017	-.0009	7.216	13.41
#2	.0085	.1739	.0057	-.0003	.0025	.0003	-.0003	7.183	13.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.131**	**4.865**	**2.817**	**35.89**	**.1198**	**-.0003**	**-.0074**	**3.749**	**.0019**
Stddev	.016	.022	.006	.13	.0002	.0001	.0000	.004	.0009
%RSD	.4981	.4437	.2245	.3733	.1472	37.69	.3599	.1075	48.43
#1	3.142	4.850	2.812	35.99	.1199	-.0003	-.0074	3.746	.0026
#2	3.120	4.881	2.821	35.80	.1197	-.0002	-.0074	3.752	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0997**	**.0068**	**-.0149**	**.0055**	**40.40**	**-.0030**	**.0080**
Stddev	.0004	.0000	.0009	.0001	.07	.0001	.0002
%RSD	.3742	.0748	5.921	1.744	.1627	2.230	1.971
#1	.1000	.0069	-.0155	.0056	40.35	-.0029	.0081
#2	.0994	.0068	-.0143	.0054	40.45	-.0030	.0079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103780.**	**14079.**	**2292.8**	**6729.7**
Stddev	1529.	2.	1.7	1.1
%RSD	1.4738	.01673	.07476	.01704
#1	102690.	14078.	2294.0	6730.5
#2	104860.	14081.	2291.6	6728.9

Zoom In Zoom Out

Sample Name: jb69490-3 Acquired: 6/19/2014 15:00:47 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0365**	**.0022**	**.0008**	**.0472**	**.0013**	**.0010**	**.6941**	**.0527**	**-.0003**
Stddev	.0001	.0000	.0000	.0002	.0002	.0002	.0009	.0000	.0001
%RSD	.1511	2.058	.6447	.3218	19.29	20.16	.1341	.0809	49.36
#1	.0364	.0022	.0008	.0473	.0015	.0011	.6948	.0528	-.0002
#2	.0365	.0022	.0008	.0471	.0011	.0008	.6935	.0527	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0100**	**.2251**	**.0015**	**.0005**	**.0014**	**-.0020**	**-.0002**	**1.295**	**22.42**
Stddev	.0001	.0002	.0006	.0001	.0009	.0006	.0000	.002	.05
%RSD	.8801	.0851	42.78	13.68	66.16	31.73	6.851	.1387	.2056
#1	.0100	.2252	.0020	.0006	.0008	-.0016	-.0002	1.296	22.46
#2	.0099	.2249	.0010	.0005	.0021	-.0025	-.0003	1.294	22.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.581**	**6.103**	**3.118**	**38.33**	**.1272**	**-.0003**	**.0002**	**3.909**	**.0030**
Stddev	.028	.078	.019	.10	.0009	.0002	.0004	.002	.0002
%RSD	.6142	1.282	.6098	.2695	.7380	57.28	157.7	.0609	5.860
#1	4.601	6.159	3.105	38.40	.1279	-.0002	.0005	3.907	.0028
#2	4.561	6.048	3.132	38.25	.1265	-.0004	.0000	3.910	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1701**	**.0003**	**-.0140**	**.0044**	**41.46**	**.0004**	**.0086**
Stddev	.0004	.0001	.0003	.0001	.11	.0002	.0002
%RSD	.2516	26.18	2.216	3.145	.2710	41.82	1.756
#1	.1704	.0002	-.0138	.0043	41.54	.0005	.0085
#2	.1697	.0003	-.0142	.0045	41.38	.0003	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98421.**	**13592.**	**2199.9**	**6768.8**
Stddev	222.	26.	4.6	10.1
%RSD	.22548	.18831	.20792	.14896
#1	98264.	13574.	2203.1	6775.9
#2	98578.	13610.	2196.7	6761.6

Zoom In Zoom Out

Sample Name: jb69490-4 Acquired: 6/19/2014 15:06:56 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0354**	**.0021**	**.0007**	**.0388**	**.0014**	**.0062**	**.5317**	**.0438**	**-.0005**
Stddev	.0002	.0000	.0002	.0001	.0003	.0002	.0015	.0007	.0001
%RSD	.5766	.1254	23.74	.1592	23.53	3.427	.2736	1.645	26.94
#1	.0356	.0021	.0008	.0389	.0012	.0063	.5327	.0444	-.0006
#2	.0353	.0020	.0006	.0388	.0017	.0060	.5307	.0433	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0087**	**.1773**	**.0050**	**-.0009**	**.0026**	**.0006**	**-.0012**	**7.332**	**13.55**
Stddev	.0001	.0000	.0011	.0014	.0008	.0013	.0003	.032	.06
%RSD	1.113	.0155	22.81	158.0	29.16	224.7	22.16	.4418	.4736
#1	.0086	.1774	.0058	.0001	.0031	-.0003	-.0010	7.355	13.59
#2	.0087	.1773	.0042	-.0019	.0021	.0015	-.0013	7.309	13.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.071**	**4.992**	**2.839**	**33.89**	**.1215**	**-.0007**	**-.0078**	**3.796**	**.0016**
Stddev	.001	.080	.030	.09	.0004	.0000	.0010	.005	.0001
%RSD	.0366	1.592	1.047	.2596	.3185	.4320	12.30	.1382	5.198
#1	3.070	5.048	2.818	33.95	.1212	-.0008	-.0084	3.792	.0017
#2	3.071	4.936	2.860	33.83	.1218	-.0007	-.0071	3.799	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1006**	**.0000**	**-.0165**	**.0052**	**39.06**	**-.0020**	**.0083**
Stddev	.0006	.0000	.0003	.0001	.25	.0004	.0003
%RSD	.5844	99.72	2.034	2.883	.6491	22.53	3.289
#1	.1010	.0001	-.0162	.0051	38.88	-.0016	.0085
#2	.1002	.0000	-.0167	.0053	39.24	-.0023	.0081

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102540.**	**14179.**	**2306.4**	**6746.9**
Stddev	334.	49.	7.4	12.7
%RSD	.32605	.34428	.31883	.18857
#1	102310.	14144.	2311.6	6755.9
#2	102780.	14213.	2301.2	6737.9

Zoom In Zoom Out

Sample Name: jb69490-5 Acquired: 6/19/2014 15:13:06 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0388**	**.0020**	**.0007**	**.0434**	**.0013**	**.0015**	**.6463**	**.0486**	**.0000**
Stddev	.0001	.0000	.0002	.0002	.0000	.0000	.0000	.0001	.000
%RSD	.2571	1.931	29.85	.4734	2.724	.4598	.0025	.2597	552.5
#1	.0388	.0020	.0009	.0436	.0013	.0015	.6463	.0487	.0000
#2	.0389	.0020	.0006	.0433	.0012	.0015	.6464	.0485	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0093**	**.2062**	**.0014**	**.0003**	**.0011**	**.0003**	**-.0004**	**1.641**	**20.68**
Stddev	.0004	.0004	.0001	.0004	.0003	.0021	.0001	.003	.04
%RSD	4.034	.1976	4.517	152.1	25.48	716.2	22.86	.1675	.1696
#1	.0090	.2059	.0015	.0006	.0013	.0018	-.0003	1.643	20.70
#2	.0095	.2065	.0014	.0000	.0009	-.0012	-.0004	1.639	20.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.207**	**5.538**	**2.943**	**36.21**	**.1238**	**-.0007**	**.0000**	**3.755**	**.0024**
Stddev	.012	.018	.004	.06	.0000	.0000	.0005	.005	.0004
%RSD	.2807	.3250	.1269	.1574	.0056	6.563	16840.	.1225	17.85
#1	4.215	5.525	2.945	36.25	.1238	-.0007	.0004	3.752	.0021
#2	4.198	5.550	2.940	36.17	.1238	-.0008	-.0004	3.758	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1780**	**.0002**	**-.0165**	**.0043**	**40.22**	**.0008**	**.0073**
Stddev	.0004	.0001	.0007	.0000	.13	.0005	.0010
%RSD	.2486	74.28	4.285	.8670	.3338	58.94	14.01
#1	.1783	.0001	-.0160	.0043	40.32	.0004	.0065
#2	.1777	.0003	-.0170	.0043	40.13	.0011	.0080

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96124.**	**13566.**	**2181.4**	**6701.0**
Stddev	420.	31.	4.2	2.0
%RSD	.43694	.23038	.19412	.02939
#1	95827.	13544.	2184.4	6702.4
#2	96421.	13588.	2178.4	6699.6

Zoom In Zoom Out

Sample Name: jb69490-6 Acquired: 6/19/2014 15:19:16 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0340**	**.0020**	**.0005**	**.0368**	**.0013**	**.0062**	**.5076**	**.0418**	**-.0011**
Stddev	.0000	.0001	.0000	.0002	.0002	.0003	.0012	.0001	.0004
%RSD	.0033	2.617	6.971	.5539	14.41	5.367	.2297	.3067	34.81
#1	.0340	.0019	.0005	.0370	.0014	.0064	.5084	.0418	-.0013
#2	.0340	.0020	.0006	.0367	.0012	.0059	.5068	.0417	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0084**	**.1664**	**.0061**	**-.0002**	**.0031**	**-.0004**	**-.0017**	**7.035**	**12.74**
Stddev	.0001	.0003	.0014	.0000	.0000	.0008	.0001	.008	.01
%RSD	.7889	.1843	22.95	10.56	1.430	207.0	8.066	.1177	.1050
#1	.0083	.1666	.0051	-.0003	.0032	.0002	-.0017	7.041	12.75
#2	.0084	.1662	.0070	-.0002	.0031	-.0010	-.0016	7.030	12.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.843**	**4.665**	**2.683**	**33.73**	**.1140**	**-.0006**	**-.0073**	**3.643**	**.0016**
Stddev	.003	.035	.022	.01	.0004	.0001	.0004	.000	.0005
%RSD	.1020	.7564	.8169	.0300	.3671	8.737	5.979	.0036	30.90
#1	2.841	4.640	2.667	33.74	.1143	-.0007	-.0076	3.643	.0020
#2	2.845	4.690	2.698	33.73	.1137	-.0006	-.0070	3.643	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0958**	**.0007**	**-.0165**	**.0053**	**40.07**	**-.0027**	**.0086**
Stddev	.0002	.0006	.0006	.0001	.09	.0001	.0008
%RSD	.2431	90.39	3.764	1.766	.2253	4.671	9.083
#1	.0959	.0002	-.0169	.0053	40.14	-.0028	.0092
#2	.0956	.0011	-.0160	.0052	40.01	-.0026	.0081

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102780.**	**14312.**	**2305.7**	**6783.0**
Stddev	83.	61.	.8	10.3
%RSD	.08094	.42415	.03636	.15201
#1	102720.	14269.	2306.3	6790.3
#2	102840.	14354.	2305.1	6775.7

Zoom In Zoom Out

Sample Name: mp80146-s1 2 Acquired: 6/19/2014 15:25:26 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.089**	**.0470**	**.0450**	**.4503**	**.1887**	**.2216**	**.4955**	**.4634**	**.0449**
Stddev	.000	.0001	.0002	.0004	.0014	.0001	.0003	.0005	.0000
%RSD	.0201	.2000	.4738	.0885	.7578	.0542	.0632	.1009	.0864
#1	2.089	.0471	.0451	.4500	.1897	.2215	.4953	.4630	.0449
#2	2.088	.0470	.0448	.4506	.1877	.2217	.4957	.4637	.0448

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4182**	**.4701**	**1.890**	**1.915**	**.4681**	**2.008**	**.4571**	**2.137**	**92.79**
Stddev	.0001	.0011	.003	.004	.0003	.004	.0002	.001	.19
%RSD	.0345	.2302	.1398	.2329	.0574	.2216	.0421	.0302	.2068
#1	.4181	.4709	1.888	1.918	.4683	2.005	.4572	2.137	92.93
#2	.4183	.4693	1.892	1.912	.4680	2.011	.4569	2.138	92.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.229**	**45.87**	**25.26**	**53.54**	**.0177**	**.0010**	**-.0042**	**10.18**	**.0027**
Stddev	.002	.01	.01	.06	.0013	.0003	.0000	.01	.0001
%RSD	.1197	.0216	.0471	.1193	7.246	29.25	.5502	.1429	2.595
#1	1.228	45.87	25.27	53.59	.0168	.0008	-.0042	10.17	.0028
#2	1.230	45.88	25.25	53.50	.0186	.0012	-.0042	10.19	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1669**	**.0106**	**-.0160**	**.0015**	**6.693**	**-.0007**	**.0057**
Stddev	.0002	.0004	.0010	.0000	.011	.0004	.0013
%RSD	.1123	3.440	6.273	2.357	.1648	63.48	22.16
#1	.1668	.0108	-.0153	.0015	6.701	-.0010	.0066
#2	.1671	.0103	-.0167	.0015	6.685	-.0004	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95205.**	**13440.**	**2129.9**	**6410.3**
Stddev	139.	56.	5.3	20.4
%RSD	.14572	.41983	.25097	.31879
#1	95303.	13400.	2133.7	6424.8
#2	95107.	13480.	2126.1	6395.9

Zoom In Zoom Out

Sample Name: mp80146-s2 Acquired: 6/19/2014 15:31:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.025**	**.0458**	**.0435**	**.4366**	**.1840**	**.2147**	**.4828**	**.4501**	**.0432**
Stddev	.004	.0001	.0004	.0008	.0000	.0001	.0004	.0004	.0001
%RSD	.1875	.2582	.8104	.1862	.0012	.0389	.0871	.0912	.2098
#1	2.028	.0459	.0432	.4372	.1840	.2146	.4825	.4504	.0433
#2	2.022	.0458	.0437	.4360	.1840	.2148	.4831	.4498	.0432

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4069**	**.4608**	**1.838**	**1.875**	**.4573**	**1.954**	**.4459**	**2.089**	**89.44**
Stddev	.0004	.0012	.003	.002	.0002	.008	.0015	.006	.36
%RSD	.0876	.2499	.1766	.0873	.0342	.4281	.3435	.2943	.4007
#1	.4066	.4616	1.840	1.876	.4571	1.948	.4470	2.093	89.70
#2	.4071	.4600	1.836	1.874	.4574	1.960	.4448	2.085	89.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.195**	**44.13**	**24.38**	**51.57**	**.0169**	**.0008**	**-.0028**	**9.834**	**.0025**
Stddev	.002	.16	.01	.15	.0005	.0000	.0006	.016	.0003
%RSD	.1609	.3682	.0565	.2911	2.675	.7276	21.21	.1575	10.93
#1	1.196	44.25	24.39	51.68	.0166	.0008	-.0024	9.845	.0023
#2	1.194	44.02	24.37	51.46	.0172	.0008	-.0032	9.823	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1610**	**.0109**	**-.0188**	**.0010**	**6.500**	**.0002**	**.0064**
Stddev	.0008	.0004	.0001	.0000	.018	.0009	.0005
%RSD	.4818	3.656	.7881	.7460	.2848	410.0	7.167
#1	.1616	.0112	-.0187	.0010	6.513	.0009	.0061
#2	.1605	.0106	-.0189	.0010	6.487	-.0004	.0067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94515.**	**13405.**	**2117.8**	**6379.7**
Stddev	100.	14.	1.5	3.5
%RSD	.10596	.10080	.07306	.05422
#1	94586.	13415.	2116.8	6382.2
#2	94444.	13396.	2118.9	6377.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 15:37:35 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**2.048**	**2.026**	**2.033**	**2.037**	**1.987**	**2.061**	**2.054**	**.2471**
Stddev	.001	.002	.002	.005	.005	.000	.004	.008	.0001
%RSD	.0267	.1090	.1061	.2444	.2416	.0211	.2151	.3811	.0490
#1	2.028	2.049	2.024	2.029	2.033	1.986	2.058	2.048	.2471
#2	2.029	2.046	2.027	2.036	2.040	1.987	2.065	2.059	.2472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**2.061**	**2.014**	**2.114**	**2.047**	**2.021**	**2.010**	**39.56**	**40.19**
Stddev	.003	.005	.004	.001	.006	.004	.002	.07	.06
%RSD	.1437	.2545	.2127	.0517	.3018	.1900	.1135	.1681	.1408
#1	1.991	2.058	2.011	2.115	2.043	2.018	2.012	39.52	40.15
#2	1.995	2.065	2.017	2.113	2.052	2.024	2.009	39.61	40.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.48**	**40.09**	**39.78**	**39.88**	**2.030**	**2.043**	**1.989**	**4.989**	**2.068**
Stddev	.13	.06	.02	.06	.003	.001	.000	.008	.009
%RSD	.3152	.1599	.0474	.1627	.1596	.0362	.0107	.1628	.4256
#1	40.57	40.04	39.80	39.84	2.028	2.042	1.989	4.994	2.062
#2	40.39	40.13	39.77	39.93	2.032	2.043	1.989	4.983	2.074
Check ?	Chk Pass	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: 6/19/2014 15:37:35 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.023**	**1.922**	**2.005**	**2.007**	**1.991**	**1.983**
Stddev	.006	.002	.016	.002	.001	.003	.002
%RSD	.2792	.1013	.8513	.0804	.0645	.1593	.0843
#1	2.029	2.022	1.911	2.004	2.006	1.993	1.984
#2	2.037	2.025	1.934	2.006	2.008	1.988	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	**95569.**	**13353.**	**2153.8**	**6483.2**
Stddev	205.	72.	2.5	3.9
%RSD	.21447	.53757	.11772	.06064
#1	95714.	13302.	2152.0	6486.0
#2	95424.	13404.	2155.6	6480.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 15:43:39 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0002**	**.0004**	**-.0001**	**-.0001**	**.0002**	**.0002**	**-.0002**
Stddev	.0000	.0001	.0001	.0002	.0001	.0002	.0000	.0000	.0000
%RSD	21.30	143.9	62.60	49.25	152.4	174.6	12.25	5.653	2.812
#1	.0002	.0000	.0001	.0005	-.0002	-.0002	.0002	.0002	-.0002
#2	.0002	.0001	.0003	.0003	.0000	.0000	.0002	.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**	**.0009**	**.0012**	**-.0002**	**.0015**	**-.0005**	**.0089**	**.0015**
Stddev	.0000	.0001	.0003	.0011	.0009	.0015	.0002	.0046	.0004
%RSD	189.0	31.86	32.63	96.62	583.5	99.15	39.45	51.79	28.00
#1	.0000	.0003	.0011	.0020	.0005	.0004	-.0003	.0122	.0018
#2	.0000	.0004	.0007	.0004	-.0008	.0025	-.0006	.0057	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0050**	**.0051**	**.0068**	**.0012**	**.0012**	**.0018**	**.0044**	**-.0003**
Stddev	.0026	.0109	.0355	.0005	.0001	.0004	.0013	.0006	.0000
%RSD	134.6	219.2	690.3	7.092	4.445	33.90	72.27	14.33	4.287
#1	.0001	.0127	.0302	.0065	.0012	.0015	.0009	.0049	-.0003
#2	.0038	-.0027	-.0200	.0071	.0012	.0009	.0027	.0040	-.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: 6/19/2014 15:43:39 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0044**	**.0000**	**.0003**	**.0008**	**-.0013**
Stddev	.0000	.0001	.0009	.000	.0016	.0004	.0016
%RSD	24.32	25.86	20.57	359.2	557.7	59.07	121.6
#1	.0001	.0002	-.0037	-.0001	-.0008	.0011	-.0002
#2	.0002	.0003	-.0050	.0000	.0014	.0004	-.0024
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	**98899.**	**13147.**	**2208.1**	**6979.0**
Stddev	57.	59.	2.9	8.0
%RSD	.05757	.44758	.13311	.11519
#1	98859.	13189.	2210.2	6984.6
#2	98939.	13106.	2206.0	6973.3

Zoom In Zoom Out

Sample Name: jb69550-4 Acquired: 6/19/2014 15:49:57 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3214**	**.0000**	**.0008**	**.0010**	**.0094**	**.0024**	**.0386**	**.0031**	**-.0002**
Stddev	.0007	.0001	.0000	.0002	.0006	.0001	.0000	.0000	.0001
%RSD	.2105	351.6	1.359	17.23	6.123	6.056	.0263	.4201	55.14
#1	.3219	.0000	.0008	.0011	.0090	.0023	.0386	.0031	-.0001
#2	.3209	.0001	.0008	.0009	.0098	.0025	.0386	.0031	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0073**	**.0005**	**.0019**	**.0041**	**-.0001**	**-.0019**	**.5343**	**79.48**
Stddev	.0002	.0000	.0012	.0025	.0006	.0009	.0010	.0127	.02
%RSD	9.006	.1486	250.2	131.5	13.75	1483.	53.35	2.369	.0280
#1	.0027	.0073	-.0004	.0001	.0037	-.0007	-.0012	.5433	79.50
#2	.0023	.0073	.0013	.0037	.0045	.0006	-.0026	.5254	79.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4578**	**25.69**	**3.165**	**34.50**	**.0200**	**.0007**	**-.0024**	**11.49**	**.0021**
Stddev	.0012	.01	.005	.11	.0003	.0002	.0003	.00	.0002
%RSD	.2659	.0464	.1624	.3069	1.739	29.69	14.04	.0327	8.081
#1	.4570	25.68	3.161	34.57	.0203	.0009	-.0021	11.49	.0023
#2	.4587	25.70	3.169	34.42	.0198	.0006	-.0026	11.49	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1860**	**.0187**	**-.0107**	**.0002**	**7.493**	**.0001**	**.0072**
Stddev	.0007	.0009	.0000	.0001	.002	.0012	.0003
%RSD	.3915	4.613	.3066	35.67	.0221	1586.	3.775
#1	.1865	.0194	-.0107	.0001	7.494	.0009	.0070
#2	.1855	.0181	-.0106	.0002	7.492	-.0008	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94711.**	**13352.**	**2143.6**	**6517.1**
Stddev	173.	132.	3.3	4.1
%RSD	.18296	.98608	.15537	.06292
#1	94834.	13445.	2146.0	6520.0
#2	94589.	13259.	2141.2	6514.2

Zoom In Zoom Out

Sample Name: mp80146-sd1 Acquired: 6/19/2014 15:56:09 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3151**	**.0002**	**.0014**	**.0013**	**.0100**	**.0025**	**.0380**	**.0029**	**-.0020**
Stddev	.0001	.0002	.0005	.0002	.0013	.0014	.0004	.0008	.0010
%RSD	.0220	107.3	38.31	14.03	13.47	57.94	1.093	27.86	48.13
#1	.3151	.0001	.0010	.0011	.0090	.0035	.0377	.0035	-.0013
#2	.3150	.0004	.0018	.0014	.0109	.0015	.0383	.0024	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0069**	**.0004**	**.0028**	**.0057**	**-.0039**	**-.0071**	**.5561**	**78.36**
Stddev	.0009	.0003	.0019	.0024	.0044	.0065	.0007	.0094	.33
%RSD	90.81	4.566	442.9	87.15	77.31	168.8	10.05	1.691	.4248
#1	.0003	.0067	.0018	.0045	.0088	.0007	-.0076	.5495	78.59
#2	.0015	.0072	-.0009	.0011	.0026	-.0085	-.0066	.5628	78.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4492**	**25.70**	**2.893**	**33.58**	**.0084**	**-.0016**	**.0039**	**11.05**	**.0031**
Stddev	.0067	.19	.038	.07	.0007	.0004	.0013	.01	.0013
%RSD	1.483	.7324	1.315	.2095	8.708	26.68	34.84	.0713	40.01
#1	.4445	25.84	2.866	33.63	.0089	-.0019	.0029	11.05	.0040
#2	.4539	25.57	2.920	33.53	.0079	-.0013	.0048	11.04	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1836**	**.0184**	**-.0720**	**-.0019**	**7.128**	**-.0007**	**.0093**
Stddev	.0012	.0002	.0007	.0005	.040	.0017	.0006
%RSD	.6343	1.171	.9531	26.90	.5645	237.7	5.943
#1	.1844	.0183	-.0715	-.0022	7.156	.0005	.0097
#2	.1828	.0186	-.0725	-.0015	7.100	-.0020	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99184.**	**13397.**	**2226.3**	**6955.5**
Stddev	405.	52.	1.7	8.8
%RSD	.40880	.39137	.07825	.12698
#1	98898.	13360.	2227.5	6961.8
#2	99471.	13434.	2225.0	6949.3

Zoom In Zoom Out

Sample Name: mp80146-s3 Acquired: 6/19/2014 16:02:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.216**	**.0505**	**.0482**	**.4847**	**.1979**	**.2366**	**.5026**	**.4979**	**.0481**
Stddev	.000	.0002	.0002	.0011	.0002	.0000	.0005	.0008	.0005
%RSD	.0106	.3686	.3250	.2370	.0845	.0191	.1069	.1530	.9979
#1	2.216	.0507	.0481	.4839	.1980	.2366	.5030	.4984	.0478
#2	2.216	.0504	.0483	.4855	.1978	.2366	.5022	.4973	.0484

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4511**	**.5007**	**2.038**	**2.077**	**.5035**	**2.165**	**.4970**	**1.859**	**98.70**
Stddev	.0009	.0004	.001	.004	.0001	.005	.0001	.004	.25
%RSD	.1995	.0736	.0571	.1860	.0271	.2545	.0258	.1871	.2530
#1	.4517	.5004	2.038	2.079	.5034	2.161	.4969	1.862	98.87
#2	.4504	.5010	2.039	2.074	.5036	2.169	.4971	1.857	98.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.011**	**48.92**	**25.99**	**54.34**	**.0189**	**.0014**	**-.0035**	**10.21**	**.0022**
Stddev	.002	.14	.06	.05	.0000	.0001	.0000	.02	.0004
%RSD	.1652	.2856	.2352	.0890	.2396	7.997	.2808	.2216	18.37
#1	1.010	49.02	26.03	54.37	.0189	.0014	-.0035	10.19	.0025
#2	1.012	48.83	25.95	54.31	.0189	.0015	-.0035	10.22	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1728**	**.0019**	**-.0113**	**.0036**	**7.151**	**.0000**	**.0062**
Stddev	.0003	.0000	.0011	.0001	.008	.0004	.0007
%RSD	.1892	1.548	10.06	2.544	.1080	1129.	11.87
#1	.1726	.0019	-.0105	.0037	7.146	-.0002	.0067
#2	.1730	.0019	-.0121	.0035	7.157	.0003	.0056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94977.**	**13549.**	**2136.8**	**6419.9**
Stddev	144.	81.	2.2	3.6
%RSD	.15179	.59574	.10279	.05561
#1	95079.	13492.	2138.3	6422.4
#2	94875.	13606.	2135.2	6417.4

Zoom In Zoom Out

Sample Name: mp80146-s4 Acquired: 6/19/2014 16:08:29 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.277**	**.0520**	**.0493**	**.4978**	**.2026**	**.2488**	**.5126**	**.5102**	**.0494**
Stddev	.001	.0000	.0002	.0011	.0003	.0004	.0010	.0006	.0002
%RSD	.0561	.0581	.3451	.2200	.1339	.1772	.1997	.1205	.4753
#1	2.276	.0520	.0494	.4970	.2024	.2492	.5119	.5098	.0495
#2	2.278	.0520	.0492	.4986	.2028	.2485	.5133	.5107	.0492

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4613**	**.5107**	**2.089**	**2.129**	**.5173**	**2.219**	**.5088**	**1.911**	**101.2**
Stddev	.0002	.0002	.005	.013	.0013	.004	.0005	.003	.1
%RSD	.0445	.0310	.2599	.5915	.2579	.1837	.0958	.1729	.0665
#1	.4612	.5105	2.086	2.120	.5163	2.216	.5084	1.913	101.2
#2	.4615	.5108	2.093	2.138	.5182	2.222	.5091	1.908	101.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.027**	**50.36**	**26.64**	**55.69**	**.0180**	**.0015**	**-.0030**	**10.35**	**.0028**
Stddev	.000	.03	.01	.00	.0006	.0001	.0008	.01	.0003
%RSD	.0434	.0496	.0204	.0009	3.216	8.483	28.42	.1203	10.23
#1	1.027	50.38	26.64	55.69	.0185	.0016	-.0036	10.34	.0030
#2	1.028	50.34	26.65	55.69	.0176	.0014	-.0024	10.36	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1774**	**.0018**	**-.0123**	**.0019**	**7.245**	**-.0003**	**.0062**
Stddev	.0001	.0002	.0008	.0001	.032	.0007	.0004
%RSD	.0624	12.81	6.472	7.295	.4432	214.0	6.130
#1	.1773	.0020	-.0118	.0020	7.222	.0002	.0059
#2	.1774	.0016	-.0129	.0018	7.267	-.0008	.0064

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95614.**	**13505.**	**2135.5**	**6408.8**
Stddev	63.	4.	1.9	8.7
%RSD	.06600	.03007	.09116	.13571
#1	95658.	13508.	2136.9	6414.9
#2	95569.	13502.	2134.2	6402.6

Zoom In Zoom Out

Sample Name: jb69550-4f Acquired: 6/19/2014 16:14:34 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3094**	**.0000**	**.0006**	**.0003**	**.0019**	**.0012**	**.0017**	**.0016**	**-.0001**
Stddev	.0000	.0001	.0001	.0002	.0003	.0000	.0001	.0001	.0002
%RSD	.0090	403.5	11.69	75.61	15.35	.0062	6.559	3.072	127.7
#1	.3095	.0000	.0006	.0004	.0017	.0012	.0017	.0017	-.0002
#2	.3094	.0001	.0007	.0001	.0021	.0012	.0016	.0016	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0055**	**.0006**	**.0018**	**.0028**	**.0021**	**-.0017**	**.0030**	**81.01**
Stddev	.0000	.0000	.0002	.0012	.0007	.0003	.0004	.0030	.03
%RSD	2.393	.0916	37.71	69.42	26.24	11.97	26.74	99.11	.0405
#1	.0017	.0055	.0007	.0027	.0033	.0023	-.0020	.0051	81.04
#2	.0018	.0055	.0004	.0009	.0023	.0019	-.0014	.0009	80.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0068**	**26.72**	**2.125**	**32.37**	**.0191**	**.0001**	**-.0022**	**10.79**	**.0020**
Stddev	.0014	.02	.013	.04	.0004	.0000	.0010	.02	.0012
%RSD	20.57	.0790	.5968	.1150	1.850	30.62	46.03	.2113	59.89
#1	.0058	26.73	2.116	32.40	.0194	.0001	-.0015	10.77	.0029
#2	.0078	26.70	2.134	32.35	.0189	.0001	-.0029	10.80	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1853**	**.0011**	**-.0173**	**-.0008**	**7.565**	**.0003**	**.0058**
Stddev	.0006	.0002	.0001	.0000	.039	.0004	.0001
%RSD	.3190	18.00	.8250	6.390	.5150	134.5	.9178
#1	.1857	.0012	-.0174	-.0008	7.537	.0006	.0059
#2	.1848	.0009	-.0172	-.0007	7.592	.0000	.0058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95697.**	**13338.**	**2153.6**	**6560.1**
Stddev	252.	76.	4.7	8.0
%RSD	.26349	.56765	.21845	.12147
#1	95519.	13392.	2156.9	6565.8
#2	95876.	13284.	2150.3	6554.5

Zoom In Zoom Out

Sample Name: mp80146-sd2 Acquired: 6/19/2014 16:20:50 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3094**	**-.0001**	**.0017**	**.0019**	**.0026**	**.0035**	**.0015**	**.0027**	**-.0018**
Stddev	.0002	.0000	.0011	.0002	.0005	.0009	.0001	.0001	.0001
%RSD	.0585	.9596	63.35	10.87	18.98	25.19	8.658	3.680	3.359
#1	.3095	-.0001	.0024	.0017	.0030	.0029	.0014	.0028	-.0019
#2	.3093	-.0001	.0009	.0020	.0023	.0041	.0016	.0026	-.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0062**	**-.0029**	**.0038**	**.0079**	**-.0011**	**-.0053**	**-.0046**	**81.44**
Stddev	.0000	.0007	.0018	.0002	.0058	.0025	.0006	.0108	.16
%RSD	4.079	11.63	60.38	5.765	73.75	225.4	10.84	234.4	.2003
#1	.0011	.0067	-.0017	.0036	.0038	.0006	-.0057	-.0122	81.55
#2	.0012	.0057	-.0042	.0039	.0120	-.0028	-.0049	.0030	81.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0090**	**27.23**	**1.996**	**32.03**	**.0054**	**-.0039**	**.0044**	**10.63**	**.0035**
Stddev	.0123	.10	.056	.09	.0022	.0010	.0054	.01	.0023
%RSD	136.5	.3631	2.798	.2885	40.58	25.69	122.1	.0495	66.04
#1	.0003	27.30	2.036	32.09	.0070	-.0032	.0083	10.63	.0019
#2	.0177	27.16	1.957	31.96	.0039	-.0046	.0006	10.62	.0051

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1859**	**-.0005**	**-.0869**	**-.0034**	**7.410**	**.0036**	**.0092**
Stddev	.0004	.0009	.0026	.0003	.000	.0003	.0025
%RSD	.2233	169.2	2.946	9.792	.0007	7.805	27.04
#1	.1862	-.0011	-.0851	-.0037	7.410	.0038	.0109
#2	.1856	.0001	-.0887	-.0032	7.410	.0034	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98218.**	**13405.**	**2219.2**	**6929.4**
Stddev	4.	38.	4.2	12.7
%RSD	.00372	.28663	.19050	.18358
#1	98221.	13378.	2222.2	6938.4
#2	98215.	13432.	2216.2	6920.4

Zoom In Zoom Out

Sample Name: jb69550-3 Acquired: 6/19/2014 16:27:05 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2548**	**.0000**	**.0012**	**.0004**	**.0028**	**.0024**	**.0051**	**.0024**	**-.0003**
Stddev	.0001	.000	.0001	.0003	.0003	.0002	.0001	.0001	.0000
%RSD	.0503	1429.	8.848	70.72	12.20	6.397	1.480	2.487	16.95
#1	.2549	.0001	.0011	.0002	.0030	.0025	.0052	.0023	-.0003
#2	.2547	-.0001	.0013	.0006	.0025	.0023	.0051	.0024	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.0080**	**.0041**	**.0011**	**.0032**	**.0006**	**-.0012**	**.1308**	**63.79**
Stddev	.0002	.0000	.0002	.0000	.0002	.0011	.0005	.0020	.24
%RSD	4.003	.0666	4.478	4.404	6.198	186.6	43.87	1.534	.3717
#1	.0060	.0080	.0040	.0011	.0033	-.0002	-.0008	.1323	63.62
#2	.0063	.0080	.0042	.0011	.0030	.0013	-.0015	.1294	63.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7123**	**30.42**	**1.621**	**18.74**	**.0232**	**-.0001**	**-.0016**	**9.992**	**.0023**
Stddev	.0010	.13	.024	.03	.0001	.0000	.0006	.008	.0002
%RSD	.1379	.4360	1.462	.1536	.5894	46.11	36.01	.0788	10.47
#1	.7130	30.33	1.604	18.72	.0233	-.0001	-.0012	9.998	.0021
#2	.7116	30.51	1.638	18.76	.0231	.0000	-.0021	9.987	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5907**	**.0043**	**-.0178**	**-.0009**	**4.652**	**.0002**	**.0056**
Stddev	.0003	.0002	.0000	.0001	.008	.0002	.0022
%RSD	.0549	5.204	.0724	5.614	.1799	93.92	39.51
#1	.5905	.0045	-.0178	-.0010	4.646	.0001	.0040
#2	.5910	.0042	-.0178	-.0009	4.658	.0003	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97377.**	**13464.**	**2177.9**	**6666.8**
Stddev	24.	98.	.1	6.0
%RSD	.02515	.72592	.00471	.08976
#1	97394.	13533.	2177.9	6671.0
#2	97359.	13395.	2178.0	6662.6

Zoom In Zoom Out

Sample Name: jb69550-5 Acquired: 6/19/2014 16:33:19 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8029**	**.0000**	**.0017**	**.0007**	**.0021**	**.0022**	**.3321**	**.0025**	**.0001**
Stddev	.0020	.0001	.0001	.0002	.0001	.0006	.0013	.0001	.0001
%RSD	.2471	343.6	8.650	28.60	2.434	28.43	.3930	2.453	84.50
#1	.8043	.0001	.0018	.0009	.0021	.0026	.3330	.0024	.0000
#2	.8015	.0000	.0016	.0006	.0022	.0018	.3312	.0025	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**.0092**	**.0006**	**.0028**	**.0035**	**.0009**	**-.0013**	**.1656**	**148.0**
Stddev	.0001	.0002	.0005	.0009	.0010	.0010	.0013	.0004	.2
%RSD	2.175	2.150	80.97	30.47	27.02	109.7	102.1	.2496	.1588
#1	.0024	.0091	.0009	.0034	.0028	.0002	-.0022	.1653	148.1
#2	.0023	.0094	.0002	.0022	.0042	.0015	-.0004	.1659	147.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3255**	**52.57**	**2.646**	**56.34**	**.0293**	**.0003**	**-.0050**	**11.85**	**.0021**
Stddev	.0017	.13	.013	.11	.0001	.0000	.0005	.01	.0011
%RSD	.5158	.2462	.4763	.1943	.3785	12.83	10.54	.0420	53.54
#1	.3243	52.66	2.637	56.42	.0294	.0003	-.0054	11.84	.0029
#2	.3267	52.47	2.654	56.26	.0292	.0003	-.0046	11.85	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8779**	**.0081**	**-.0183**	**-.0006**	**8.296**	**.0002**	**.0093**
Stddev	.0025	.0001	.0001	.0000	.036	.0003	.0002
%RSD	.2899	1.208	.4572	4.216	.4402	130.2	2.132
#1	.8797	.0082	-.0183	-.0006	8.322	.0000	.0094
#2	.8761	.0081	-.0184	-.0007	8.270	.0004	.0091

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94469.**	**13370.**	**2110.0**	**6358.0**
Stddev	315.	42.	5.3	16.2
%RSD	.33354	.31313	.25147	.25535
#1	94247.	13400.	2113.7	6369.5
#2	94692.	13341.	2106.2	6346.6

Zoom In Zoom Out

Sample Name: jb69550-6 Acquired: 6/19/2014 16:39:32 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8144**	**.0001**	**.0007**	**.0014**	**.0023**	**.0056**	**1.269**	**.0049**	**-.0002**
Stddev	.0000	.0001	.0001	.0001	.0000	.0001	.003	.0000	.0002
%RSD	.0050	74.38	8.118	6.358	.7145	1.765	.2007	.3070	91.35
#1	.8145	.0001	.0008	.0014	.0023	.0057	1.271	.0048	-.0004
#2	.8144	.0000	.0007	.0015	.0023	.0055	1.268	.0049	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0151**	**.0008**	**.0032**	**.0033**	**-.0013**	**-.0005**	**.0114**	**151.9**
Stddev	.0001	.0003	.0005	.0001	.0006	.0022	.0001	.0008	.1
%RSD	3.680	1.837	63.35	3.113	17.94	172.8	26.55	7.111	.0871
#1	.0021	.0149	.0011	.0032	.0029	-.0029	-.0006	.0120	151.8
#2	.0022	.0153	.0004	.0031	.0038	.0003	-.0004	.0108	152.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0201**	**46.03**	**2.785**	**121.8**	**.0372**	**.0017**	**-.0047**	**10.93**	**.0034**
Stddev	.0019	.00	.002	.0	.0008	.0001	.0001	.00	.0001
%RSD	9.324	.0017	.0695	.0204	2.069	5.279	2.051	.0092	3.948
#1	.0214	46.03	2.786	121.8	.0377	.0018	-.0047	10.93	.0035
#2	.0187	46.03	2.784	121.8	.0366	.0017	-.0048	10.93	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5141**	**.0010**	**-.0187**	**-.0002**	**13.54**	**-.0007**	**.0103**
Stddev	.0011	.0000	.0007	.0001	.02	.0011	.0001
%RSD	.2219	.8591	3.810	53.86	.1481	150.8	.5600
#1	.5133	.0010	-.0182	-.0002	13.55	.0000	.0103
#2	.5149	.0010	-.0192	-.0003	13.53	-.0015	.0102

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91969.**	**12986.**	**2057.6**	**6155.2**
Stddev	155.	48.	.3	2.9
%RSD	.16834	.37120	.01535	.04780
#1	91860.	12952.	2057.4	6157.3
#2	92079.	13020.	2057.8	6153.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 16:45:46 Type: QC
Method: Accutest1(v177) 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	**2.038**	**2.070**	**2.038**	**2.050**	**2.068**	**2.001**	**2.103**	**2.079**	**.2503**
Stddev	.003	.008	.004	.005	.001	.003	.005	.004	.0005
%RSD	.1431	.3827	.2120	.2264	.0435	.1492	.2436	.2176	.2028
#1	2.040	2.076	2.035	2.047	2.067	1.998	2.100	2.076	.2506
#2	2.036	2.065	2.041	2.053	2.068	2.003	2.107	2.082	.2499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.089**	**2.032**	**2.144**	**2.078**	**2.037**	**2.024**	**39.56**	**40.31**
Stddev	.004	.001	.006	.017	.003	.006	.001	.07	.14
%RSD	.2061	.0671	.3189	.7874	.1302	.3139	.0674	.1655	.3473
#1	2.014	2.088	2.027	2.132	2.076	2.032	2.023	39.61	40.41
#2	2.020	2.090	2.036	2.156	2.080	2.041	2.025	39.52	40.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.07**	**40.13**	**39.85**	**39.86**	**2.045**	**2.063**	**2.014**	**5.027**	**2.089**
Stddev	.17	.14	.14	.07	.005	.004	.005	.006	.004
%RSD	.4120	.3498	.3455	.1832	.2492	.1963	.2300	.1173	.1766
#1	41.19	40.23	39.95	39.91	2.041	2.060	2.011	5.023	2.086
#2	40.95	40.04	39.76	39.81	2.048	2.066	2.017	5.032	2.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 16:45:46 Type: QC
Method: Accutest1(v177) 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	**2.032**	**2.062**	**1.938**	**2.021**	**2.025**	**2.001**	**2.002**
Stddev	.004	.004	.010	.002	.012	.000	.003
%RSD	.1819	.2198	.5229	.0924	.5779	.0149	.1240
#1	2.035	2.059	1.931	2.020	2.016	2.001	2.004
#2	2.029	2.066	1.946	2.022	2.033	2.001	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94740.**	**13279.**	**2152.2**	**6463.2**
Stddev	300.	64.	2.0	10.3
%RSD	.31707	.48256	.09485	.15983
#1	94952.	13234.	2153.7	6470.5
#2	94527.	13324.	2150.8	6455.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 16:51:49 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**-.0004**	**.0001**	**.0003**	**-.0004**
Stddev	.0002	.000	.0001	.0001	.0000	.0001	.0000	.0000	.0003
%RSD	2032.	965.1	112.3	60.66	6.287	27.87	3.036	11.85	83.13
#1	.0002	.0000	.0000	.0001	.0004	-.0005	.0001	.0003	-.0002
#2	-.0001	.0000	.0001	.0000	.0004	-.0003	.0001	.0003	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0007**	**.0007**	**-.0004**	**.0000**	**-.0001**	**.0005**	**-.0025**
Stddev	.0003	.000	.0003	.0006	.0001	.0006	.0001	.0030	.0002
%RSD	254.4	2776.	39.67	80.50	32.41	1577.	94.41	575.5	9.519
#1	.0001	.0001	.0008	.0011	-.0005	-.0004	-.0002	.0027	-.0023
#2	-.0004	-.0001	.0005	.0003	-.0003	.0004	.0000	-.0016	-.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**-.0079**	**-.0079**	**.0091**	**.0009**	**.0009**	**-.0005**	**.0052**	**-.0004**
Stddev	.0025	.0023	.0161	.0020	.0003	.0003	.0004	.0000	.0003
%RSD	65.86	29.39	205.6	21.83	28.71	28.59	81.85	.0384	67.50
#1	.0020	-.0096	-.0193	.0077	.0007	.0011	-.0009	.0052	-.0002
#2	.0055	-.0063	.0036	.0105	.0011	.0007	-.0002	.0052	-.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: 6/19/2014 16:51:49 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0057**	**-.0001**	**-.0007**	**.0001**	**-.0005**
Stddev	.0000	.0001	.0011	.0001	.0002	.0001	.0001
%RSD	114.8	64.38	19.40	55.40	26.96	51.73	18.80
#1	.0000	.0003	-.0049	-.0001	-.0005	.0002	-.0005
#2	.0001	.0001	-.0064	-.0002	-.0008	.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101100.**	**13380.**	**2249.0**	**7103.9**
Stddev	347.	54.	4.3	15.0
%RSD	.34364	.40561	.18995	.21109
#1	101350.	13342.	2252.0	7114.5
#2	100860.	13418.	2246.0	7093.3

Zoom In Zoom Out

Sample Name: jb69550-7 Acquired: 6/19/2014 16:58:08 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0001**	**.0000**	**.0000**	**-.0001**	**.0000**	**.0001**	**-.0004**
Stddev	.0002	.0000	.0001	.0001	.0000	.0001	.0000	.0004	.0000
%RSD	190.8	169.5	116.3	224.7	1727.	99.17	71.48	307.2	5.602
#1	.0000	.0000	.0002	.0001	.0000	.0000	.0000	.0004	-.0004
#2	-.0003	.0000	.0000	.0000	.0000	-.0001	.0001	-.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0011**	**.0000**	**.0016**	**.0000**	**-.0003**	**-.0002**	**.0056**	**.0105**
Stddev	.0000	.0000	.001	.0004	.000	.0015	.0007	.0017	.0002
%RSD	21.17	4.224	54450.	28.09	339.3	522.1	326.5	29.86	2.305
#1	.0001	.0011	.0007	.0013	.0000	.0008	-.0007	.0044	.0104
#2	.0002	.0012	-.0007	.0019	-.0001	-.0013	.0003	.0068	.0107

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**.0140**	**-.0008**	**.0015**	**.0000**	**-.0004**	**.0007**	**.0135**	**-.0009**
Stddev	.0016	.0040	.0005	.0057	.000	.0002	.0003	.0003	.0010
%RSD	39.07	28.65	67.45	386.8	3158.	42.49	39.25	2.562	111.8
#1	.0031	.0168	-.0012	-.0026	-.0002	-.0003	.0010	.0133	-.0002
#2	.0054	.0112	-.0004	.0055	.0001	-.0005	.0005	.0138	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0085**	**.0001**	**.0023**	**-.0007**	**.0000**
Stddev	.0001	.0003	.0001	.0001	.0005	.0005	.0008
%RSD	343.8	418.3	1.768	85.52	20.32	65.46	3210.
#1	.0000	.0001	-.0086	.0001	.0020	-.0010	-.0005
#2	.0001	-.0002	-.0084	.0002	.0026	-.0004	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102300.**	**13709.**	**2264.5**	**7176.1**
Stddev	73.	84.	.6	7.4
%RSD	.07149	.61406	.02818	.10366
#1	102240.	13768.	2265.0	7181.3
#2	102350.	13649.	2264.1	7170.8

Zoom In Zoom Out

Sample Name: jb69550-3f Acquired: 6/19/2014 17:04:27 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2533**	**.0000**	**.0007**	**.0004**	**.0014**	**.0017**	**.0010**	**.0017**	**-.0002**
Stddev	.0005	.000	.0000	.0001	.0005	.0005	.0000	.0001	.0001
%RSD	.1810	346.1	5.797	25.53	33.70	28.70	3.935	8.281	34.42
#1	.2536	.0000	.0008	.0005	.0011	.0020	.0010	.0018	-.0002
#2	.2530	-.0001	.0007	.0004	.0018	.0013	.0010	.0016	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0056**	**.0065**	**.0039**	**.0021**	**.0017**	**.0006**	**-.0014**	**.0021**	**64.21**
Stddev	.0001	.0001	.0008	.0000	.0006	.0005	.0009	.0125	.14
%RSD	1.222	2.278	19.79	.2650	34.37	81.92	65.56	608.2	.2209
#1	.0057	.0064	.0044	.0021	.0013	.0009	-.0020	-.0068	64.31
#2	.0056	.0066	.0033	.0021	.0021	.0002	-.0007	.0109	64.11

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0043**	**30.80**	**1.600**	**18.98**	**.0243**	**.0004**	**-.0016**	**9.961**	**.0026**
Stddev	.0039	.08	.001	.07	.0000	.0001	.0003	.022	.0002
%RSD	89.44	.2460	.0389	.3589	.1280	25.32	17.17	.2248	7.125
#1	.0070	30.86	1.600	19.03	.0243	.0004	-.0014	9.946	.0028
#2	.0016	30.75	1.600	18.94	.0242	.0003	-.0018	9.977	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5950**	**.0009**	**-.0112**	**-.0007**	**4.752**	**.0000**	**.0058**
Stddev	.0016	.0001	.0009	.0001	.008	.0003	.0016
%RSD	.2679	9.147	8.252	12.75	.1630	2031.	26.78
#1	.5961	.0008	-.0119	-.0008	4.747	.0003	.0047
#2	.5938	.0010	-.0106	-.0007	4.758	-.0002	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96110.**	**13282.**	**2153.9**	**6589.4**
Stddev	38.	19.	3.4	14.8
%RSD	.03939	.14121	.15948	.22429
#1	96083.	13269.	2156.3	6599.8
#2	96136.	13296.	2151.5	6578.9

Zoom In Zoom Out

Sample Name: jb69550-5f Acquired: 6/19/2014 17:10:40 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7614**	**.0000**	**.0006**	**.0007**	**.0012**	**.0015**	**.2458**	**.0019**	**-.0002**
Stddev	.0008	.0000	.0003	.0000	.0001	.0002	.0008	.0000	.0002
%RSD	.1113	15.10	56.46	3.589	6.998	15.58	.3354	1.375	136.4
#1	.7608	.0000	.0003	.0007	.0012	.0017	.2464	.0019	.0000
#2	.7620	.0000	.0008	.0008	.0011	.0014	.2452	.0018	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0076**	**.0014**	**.0044**	**.0034**	**.0022**	**-.0017**	**.0042**	**141.0**
Stddev	.0004	.0003	.0002	.0031	.0005	.0005	.0001	.0027	.2
%RSD	24.11	3.528	10.91	69.73	15.39	22.95	4.728	64.28	.1515
#1	.0019	.0074	.0013	.0022	.0037	.0018	-.0016	.0060	140.8
#2	.0013	.0078	.0015	.0065	.0030	.0025	-.0017	.0023	141.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0002**	**50.40**	**2.465**	**52.86**	**.0267**	**.0002**	**-.0043**	**11.03**	**.0024**
Stddev	.0001	.07	.034	.04	.0005	.0000	.0010	.04	.0001
%RSD	31.57	.1305	1.391	.0694	1.843	14.00	22.99	.3486	5.001
#1	-.0001	50.35	2.441	52.84	.0270	.0002	-.0036	11.00	.0024
#2	-.0002	50.44	2.490	52.89	.0263	.0002	-.0050	11.05	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8341**	**.0012**	**-.0145**	**-.0005**	**7.687**	**.0015**	**.0088**
Stddev	.0019	.0002	.0009	.0000	.046	.0011	.0002
%RSD	.2293	20.87	6.417	7.693	.5942	69.43	2.280
#1	.8327	.0014	-.0138	-.0004	7.654	.0023	.0087
#2	.8354	.0010	-.0151	-.0005	7.719	.0008	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92881.**	**13107.**	**2097.1**	**6323.1**
Stddev	407.	20.	4.1	2.3
%RSD	.43799	.15566	.19466	.03628
#1	92593.	13093.	2100.0	6324.8
#2	93168.	13122.	2094.2	6321.5

Zoom In Zoom Out

Sample Name: jb69550-6f Acquired: 6/19/2014 17:16:50 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8269**	**.0000**	**.0007**	**.0014**	**.0018**	**.0047**	**1.303**	**.0048**	**.0000**
Stddev	.0014	.000	.0002	.0002	.0003	.0001	.004	.0001	.0000
%RSD	.1691	44.27	22.96	12.90	18.50	1.354	.2737	2.064	37.85
#1	.8279	.0000	.0009	.0015	.0016	.0046	1.306	.0047	.0000
#2	.8259	.0000	.0006	.0012	.0021	.0047	1.301	.0049	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0154**	**.0003**	**.0016**	**.0026**	**-.0012**	**-.0016**	**.0029**	**153.5**
Stddev	.0001	.0002	.0002	.0018	.0001	.0011	.0006	.0016	.7
%RSD	5.555	1.492	78.34	116.1	5.240	90.07	35.82	54.11	.4301
#1	.0021	.0155	.0001	.0003	.0027	-.0004	-.0012	.0018	153.1
#2	.0023	.0152	.0004	.0028	.0025	-.0019	-.0021	.0041	154.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0125**	**46.52**	**2.844**	**123.9**	**.0389**	**.0020**	**-.0048**	**11.11**	**.0022**
Stddev	.0042	.34	.014	.0	.0010	.0002	.0008	.00	.0005
%RSD	33.58	.7367	.4922	.0086	2.451	7.514	15.48	.0332	24.42
#1	.0154	46.28	2.834	123.9	.0396	.0021	-.0054	11.11	.0019
#2	.0095	46.76	2.854	123.9	.0382	.0019	-.0043	11.11	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5201**	**.0012**	**-.0130**	**.0003**	**13.68**	**.0001**	**.0098**
Stddev	.0014	.0004	.0006	.0001	.10	.0002	.0013
%RSD	.2717	36.20	4.231	23.21	.7169	283.3	13.42
#1	.5211	.0015	-.0134	.0004	13.75	-.0001	.0108
#2	.5191	.0009	-.0127	.0003	13.61	.0002	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91370.**	**13041.**	**2064.5**	**6168.8**
Stddev	224.	153.	.3	3.1
%RSD	.24545	1.1760	.01406	.04974
#1	91211.	13149.	2064.7	6171.0
#2	91528.	12932.	2064.3	6166.7

Zoom In Zoom Out

Sample Name: jb69557-1f Acquired: 6/19/2014 17:22:59 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0135**	**.0000**	**.0002**	**.0009**	**.0007**	**.0043**	**.2469**	**.0012**	**-.0004**
Stddev	.0000	.0000	.0000	.0002	.0001	.0003	.0006	.0002	.0002
%RSD	.0458	527.6	3.351	19.24	14.42	6.972	.2271	16.85	46.45
#1	.0135	.0000	.0002	.0007	.0006	.0045	.2465	.0013	-.0006
#2	.0135	.0000	.0002	.0010	.0008	.0041	.2473	.0010	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0211**	**-.0003**	**.0012**	**.0031**	**.0017**	**-.0004**	**.0980**	**6.310**
Stddev	.0002	.0001	.0001	.0024	.0012	.0005	.0000	.0032	.016
%RSD	22.33	.2502	33.99	191.8	39.89	30.33	10.83	3.307	.2598
#1	.0008	.0211	-.0002	-.0004	.0022	.0021	-.0004	.0957	6.322
#2	.0011	.0212	-.0004	.0029	.0040	.0013	-.0003	.1003	6.299

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1968**	**1.025**	**1.805**	**20.15**	**.0426**	**.0006**	**.0004**	**3.847**	**.0008**
Stddev	.0005	.004	.028	.03	.0003	.0000	.0007	.002	.0005
%RSD	.2312	.4407	1.570	.1662	.6669	5.149	154.0	.0490	70.01
#1	.1965	1.028	1.825	20.17	.0424	.0007	.0009	3.846	.0012
#2	.1971	1.022	1.784	20.12	.0428	.0006	.0000	3.849	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0409**	**.0034**	**-.0215**	**-.0007**	**1.752**	**.0003**	**.0002**
Stddev	.0000	.0001	.0001	.0001	.014	.0012	.0004
%RSD	.1056	3.956	.6585	8.324	.7785	350.1	255.5
#1	.0409	.0035	-.0214	-.0007	1.742	-.0005	-.0001
#2	.0410	.0033	-.0216	-.0008	1.761	.0012	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97675.**	**13380.**	**2191.4**	**6831.2**
Stddev	13.	32.	3.5	12.3
%RSD	.01349	.24115	.15860	.18072
#1	97685.	13357.	2193.8	6839.9
#2	97666.	13403.	2188.9	6822.4

Zoom In Zoom Out

Sample Name: mp80132-mb1 2 Acquired: 6/19/2014 17:29:11 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**-.0001**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0002**	**-.0002**
Stddev	.0001	.000	.0001	.0001	.0003	.0000	.0000	.0000	.0000
%RSD	83.09	64050.	126.1	344.2	350.8	3.017	51.38	3.725	8.643
#1	.0000	.0001	-.0002	.0001	-.0003	.0001	.0001	.0002	-.0002
#2	-.0001	-.0001	.0000	.0000	.0001	.0001	.0000	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0004**	**-.0002**	**.0005**	**.0003**	**.0029**	**-.0003**	**.0079**	**.0017**
Stddev	.0001	.0000	.0003	.0004	.0002	.0019	.0003	.0023	.0008
%RSD	44.17	9.722	133.3	82.11	77.21	64.84	96.21	29.55	45.19
#1	.0002	.0003	-.0004	.0007	.0004	.0016	-.0005	.0096	.0022
#2	.0001	.0004	.0000	.0002	.0001	.0042	-.0001	.0063	.0012

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0037**	**.0225**	**-.0387**	**.0020**	**-.0006**	**-.0012**	**.0018**	**.0121**	**-.0009**
Stddev	.0012	.0209	.0230	.0005	.0004	.0002	.0011	.0004	.0004
%RSD	33.30	93.01	59.27	22.89	73.74	13.55	59.38	3.231	46.10
#1	.0046	.0077	-.0225	.0023	-.0003	-.0013	.0010	.0119	-.0012
#2	.0028	.0372	-.0550	.0017	-.0009	-.0011	.0026	.0124	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0195**	**-.0007**	**.0016**	**-.0005**	**.0003**
Stddev	.0002	.0001	.0011	.0000	.0001	.0001	.0007
%RSD	453.6	37.35	5.415	3.987	3.736	16.70	193.7
#1	.0002	.0002	-.0203	-.0008	.0016	-.0005	-.0001
#2	-.0001	.0001	-.0188	-.0007	.0017	-.0006	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100570.**	**13531.**	**2245.2**	**7109.5**
Stddev	49.	43.	2.1	.6
%RSD	.04894	.31503	.09398	.00783
#1	100600.	13501.	2246.7	7109.9
#2	100530.	13561.	2243.7	7109.1

Zoom In Zoom Out

Sample Name: mp80132-lc1 Acquired: 6/19/2014 17:35:28 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4948**	**.4937**	**.4832**	**.4725**	**.4938**	**.4599**	**.5097**	**.4918**	**.1893**
Stddev	.0004	.0005	.0003	.0018	.0008	.0006	.0014	.0011	.0007
%RSD	.0731	.1062	.0537	.3868	.1545	.1314	.2790	.2159	.3910
#1	.4946	.4941	.4830	.4712	.4943	.4603	.5107	.4911	.1898
#2	.4951	.4933	.4834	.4737	.4932	.4595	.5087	.4926	.1888

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4493**	**.5002**	**.4854**	**.5123**	**.4924**	**.5195**	**.4708**	**4.761**	**5.357**
Stddev	.0009	.0016	.0017	.0008	.0020	.0008	.0002	.026	.014
%RSD	.1936	.3227	.3553	.1627	.4039	.1596	.0440	.5479	.2550
#1	.4500	.4990	.4842	.5129	.4910	.5201	.4706	4.779	5.366
#2	.4487	.5013	.4866	.5118	.4939	.5189	.4709	4.743	5.347

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.574**	**5.306**	**9.582**	**9.686**	**.0036**	**.4850**	**-.0002**	**.0056**	**.0002**
Stddev	.003	.023	.021	.020	.0001	.0009	.0002	.0003	.0006
%RSD	.0609	.4415	.2153	.2096	1.892	.1763	71.46	5.441	404.1
#1	5.576	5.322	9.597	9.700	.0036	.4844	-.0001	.0054	-.0003
#2	5.571	5.289	9.567	9.672	.0037	.4856	-.0003	.0059	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4993**	**-.0157**	**.0032**	**.0014**	**.0001**	**-.0003**
Stddev	.0001	.0018	.0001	.0001	.0002	.0004	.0011
%RSD	90.69	.3701	.6624	2.425	16.63	300.9	397.8
#1	.0000	.5006	-.0157	.0033	.0016	.0004	.0005
#2	-.0002	.4980	-.0158	.0032	.0013	-.0001	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99045.**	**13500.**	**2223.8**	**6918.6**
Stddev	353.	35.	.6	1.0
%RSD	.35611	.26273	.02862	.01412
#1	98796.	13475.	2223.4	6917.9
#2	99294.	13525.	2224.3	6919.3

Zoom In Zoom Out

Sample Name: mp80132-s1 Acquired: 6/19/2014 17:41:34 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.659**	**.0544**	**.0520**	**.5216**	**.2121**	**.2523**	**.6776**	**.5362**	**.0519**
Stddev	.003	.0002	.0001	.0008	.0007	.0010	.0023	.0015	.0001
%RSD	.0691	.2789	.1956	.1625	.3187	.3779	.3356	.2860	.1238
#1	3.661	.0542	.0521	.5210	.2116	.2529	.6792	.5351	.0519
#2	3.657	.0545	.0519	.5222	.2125	.2516	.6760	.5373	.0518

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4834**	**.5367**	**2.205**	**2.235**	**.5464**	**2.231**	**.5348**	**2.164**	**95.88**
Stddev	.0005	.0013	.006	.004	.0011	.006	.0022	.014	.08
%RSD	.0977	.2415	.2824	.1659	.2052	.2735	.4143	.6527	.0878
#1	.4837	.5358	2.200	2.237	.5472	2.227	.5332	2.154	95.94
#2	.4830	.5376	2.209	2.232	.5456	2.235	.5364	2.174	95.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.647**	**48.66**	**30.26**	**90.79**	**.2358**	**.0011**	**-.0037**	**5.846**	**.0023**
Stddev	.002	.05	.03	.13	.0007	.0002	.0014	.019	.0000
%RSD	.0994	.0984	.1032	.1425	.3180	15.31	38.33	.3233	1.500
#1	1.648	48.63	30.28	90.88	.2352	.0012	-.0047	5.833	.0022
#2	1.646	48.69	30.24	90.69	.2363	.0010	-.0027	5.860	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.985**	**.0047**	**-.0193**	**.0018**	**2.804**	**-.0003**	**.1056**
Stddev	.017	.0005	.0001	.0001	.004	.0003	.0009
%RSD	.2844	10.53	.3081	7.764	.1252	87.44	.8376
#1	5.998	.0050	-.0193	.0019	2.802	-.0001	.1049
#2	5.973	.0043	-.0193	.0017	2.807	-.0006	.1062

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93854.**	**13310.**	**2111.4**	**6330.5**
Stddev	206.	62.	3.2	6.6
%RSD	.21920	.46670	.15348	.10501
#1	93708.	13266.	2113.7	6335.2
#2	93999.	13354.	2109.1	6325.8

Zoom In Zoom Out

Sample Name: mp80132-s2 Acquired: 6/19/2014 17:47:44 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.704**	**.0550**	**.0526**	**.5272**	**.2164**	**.2548**	**.6775**	**.5418**	**.0516**
Stddev	.011	.0000	.0001	.0003	.0003	.0002	.0010	.0000	.0002
%RSD	.2823	.0066	.2353	.0547	.1329	.0887	.1510	.0060	.3138
#1	3.711	.0550	.0525	.5270	.2166	.2550	.6767	.5418	.0517
#2	3.696	.0550	.0527	.5274	.2162	.2547	.6782	.5418	.0515

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4879**	**.5440**	**2.237**	**2.271**	**.5522**	**2.282**	**.5426**	**2.205**	**97.65**
Stddev	.0001	.0007	.005	.003	.0010	.002	.0010	.011	.09
%RSD	.0117	.1205	.2099	.1340	.1878	.0735	.1785	.4833	.0969
#1	.4878	.5435	2.234	2.269	.5515	2.283	.5419	2.213	97.72
#2	.4879	.5444	2.240	2.273	.5529	2.281	.5433	2.198	97.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.645**	**49.94**	**30.70**	**92.16**	**.2369**	**.0011**	**-.0027**	**5.873**	**.0026**
Stddev	.001	.00	.03	.16	.0005	.0000	.0006	.001	.0001
%RSD	.0372	.0041	.0910	.1765	.2296	3.241	22.43	.0239	4.801
#1	1.644	49.94	30.72	92.27	.2372	.0011	-.0031	5.872	.0027
#2	1.645	49.94	30.68	92.04	.2365	.0011	-.0023	5.874	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.125**	**.0046**	**-.0193**	**.0010**	**2.838**	**-.0003**	**.1060**
Stddev	.040	.0001	.0002	.0001	.004	.0013	.0011
%RSD	.6535	2.495	1.170	5.272	.1287	431.2	.9966
#1	6.097	.0045	-.0195	.0010	2.836	-.0012	.1067
#2	6.153	.0047	-.0191	.0010	2.841	.0006	.1052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94854.**	**13263.**	**2105.8**	**6326.8**
Stddev	12.	2.	.9	3.6
%RSD	.01315	.01761	.04451	.05767
#1	94863.	13262.	2105.2	6324.2
#2	94845.	13265.	2106.5	6329.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 17:53:54 Type: QC
Method: Accutest1(v177) 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	**2.049**	**2.078**	**2.038**	**2.052**	**2.067**	**2.003**	**2.104**	**2.077**	**.2515**
Stddev	.006	.007	.003	.001	.005	.005	.001	.001	.0014
%RSD	.2984	.3313	.1280	.0647	.2473	.2710	.0594	.0565	.5621
#1	2.053	2.082	2.040	2.051	2.063	2.007	2.105	2.076	.2525
#2	2.045	2.073	2.036	2.053	2.071	1.999	2.103	2.078	.2505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.091**	**2.029**	**2.112**	**2.079**	**2.031**	**2.026**	**40.00**	**40.77**
Stddev	.002	.002	.008	.027	.001	.013	.000	.14	.10
%RSD	.0980	.0929	.4149	1.280	.0233	.6301	.0008	.3391	.2348
#1	2.018	2.089	2.023	2.093	2.079	2.022	2.026	40.10	40.84
#2	2.020	2.092	2.035	2.131	2.080	2.040	2.026	39.91	40.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.05**	**40.85**	**40.09**	**40.29**	**2.044**	**2.065**	**2.016**	**5.036**	**2.081**
Stddev	.03	.00	.10	.15	.001	.005	.007	.005	.005
%RSD	.0750	.0037	.2516	.3750	.0529	.2243	.3664	.0959	.2512
#1	41.08	40.85	40.16	40.40	2.044	2.062	2.021	5.033	2.078
#2	41.03	40.85	40.02	40.19	2.045	2.069	2.010	5.040	2.085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 17:53:54 Type: QC
Method: Accutest1(v177) 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	**2.055**	**2.061**	**1.907**	**2.023**	**2.001**	**2.005**	**2.007**
Stddev	.009	.003	.014	.003	.026	.003	.001
%RSD	.4326	.1310	.7071	.1558	1.322	.1400	.0605
#1	2.061	2.063	1.897	2.021	1.982	2.003	2.008
#2	2.049	2.059	1.916	2.026	2.020	2.007	2.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94738.**	**13118.**	**2153.4**	**6475.8**
Stddev	19.	1.	.5	.2
%RSD	.02024	.00910	.02425	.00246
#1	94724.	13117.	2153.0	6475.6
#2	94751.	13119.	2153.7	6475.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 17:59:58 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0005**	**.0001**	**.0000**	**.0002**	**.0002**	**-.0002**
Stddev	.0002	.0001	.0002	.0001	.0004	.000	.0000	.0001	.0003
%RSD	121.1	154.6	146.8	20.42	542.3	207.5	7.739	59.03	187.5
#1	.0000	.0001	.0000	.0005	.0004	-.0001	.0002	.0003	.0001
#2	.0003	.0000	.0002	.0004	-.0002	.0000	.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	**.0000**	**.0002**	**.0002**	**.0015**	**.0000**	**.0021**	**-.0011**	**.0012**	**.0007**
Stddev	.0000	.0001	.0001	.0009	.0002	.0023	.0010	.0017	.0015
%RSD	43.74	55.25	94.02	61.51	970.4	106.1	92.86	133.5	224.6
#1	.0000	.0002	.0003	.0021	-.0001	.0005	-.0018	.0001	-.0004
#2	.0001	.0001	.0001	.0008	.0002	.0038	-.0004	.0024	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0320**	**-.0023**	**.0060**	**.0016**	**.0009**	**.0007**	**.0052**	**-.0001**
Stddev	.0017	.0046	.0115	.0008	.0004	.0007	.0008	.0006	.0001
%RSD	74.53	14.49	490.7	13.13	26.24	73.73	115.4	11.81	181.0
#1	.0034	.0353	-.0105	.0065	.0019	.0014	.0012	.0056	.0000
#2	.0010	.0287	.0058	.0054	.0013	.0004	.0001	.0047	-.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: 6/19/2014 17:59:58 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0000**	**.0003**	**-.0006**	**.0001**
Stddev	.0000	.0003	.0009	.0000	.0006	.0003	.0003
%RSD	56.43	148.8	12.52	127.8	221.0	51.14	210.4
#1	.0001	.0004	-.0064	.0000	.0007	-.0004	-.0001
#2	.0000	.0000	-.0077	.0000	-.0002	-.0008	.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	**100730.**	**13343.**	**2253.8**	**7112.0**
Stddev	88.	77.	1.4	6.7
%RSD	.08694	.57554	.06112	.09421
#1	100670.	13397.	2254.7	7116.8
#2	100800.	13289.	2252.8	7107.3

Zoom In Zoom Out

Sample Name: jb69115-3 Acquired: 6/19/2014 18:06:16 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.510**	**.0001**	**.0007**	**.0003**	**.0014**	**.0004**	**.1334**	**.0007**	**-.0002**
Stddev	.002	.0001	.0000	.0002	.0000	.0002	.0001	.0004	.0000
%RSD	.1288	86.83	1.580	44.78	2.772	46.55	.0964	61.82	8.572
#1	1.511	.0001	.0007	.0002	.0014	.0005	.1333	.0004	-.0002
#2	1.509	.0000	.0007	.0004	.0015	.0003	.1335	.0010	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0043**	**.0052**	**.0063**	**.0047**	**-.0003**	**-.0010**	**.1437**	**68.48**
Stddev	.0000	.0001	.0005	.0008	.0011	.0007	.0010	.0047	.13
%RSD	1.892	2.503	9.281	13.45	22.74	212.9	98.60	3.238	.1887
#1	.0003	.0042	.0049	.0057	.0055	-.0008	-.0017	.1470	68.39
#2	.0003	.0043	.0056	.0069	.0040	.0002	-.0003	.1404	68.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5243**	**21.78**	**4.105**	**62.52**	**.2251**	**.0003**	**-.0015**	**5.487**	**.0017**
Stddev	.0007	.03	.003	.05	.0005	.0001	.0004	.000	.0003
%RSD	.1265	.1189	.0805	.0791	.2029	54.54	26.56	.0043	16.02
#1	.5238	21.76	4.103	62.55	.2248	.0004	-.0018	5.487	.0019
#2	.5247	21.80	4.107	62.48	.2254	.0002	-.0012	5.487	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.706**	**.0023**	**-.0117**	**.0009**	**2.716**	**.0001**	**.0991**
Stddev	.099	.0001	.0003	.0001	.008	.0010	.0006
%RSD	1.726	2.405	2.805	7.405	.2837	703.1	.5921
#1	5.636	.0023	-.0115	.0009	2.711	-.0006	.0995
#2	5.776	.0022	-.0119	.0010	2.722	.0008	.0987

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97153.**	**13394.**	**2156.4**	**6547.8**
Stddev	12.	29.	2.9	8.9
%RSD	.01242	.21632	.13583	.13596
#1	97144.	13414.	2158.5	6554.1
#2	97161.	13373.	2154.3	6541.5

Zoom In Zoom Out

Sample Name: mp80132-sd1 Acquired: 6/19/2014 18:12:32 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.509**	**-.0002**	**.0017**	**.0016**	**.0012**	**-.0012**	**.1355**	**.0009**	**-.0025**
Stddev	.001	.0001	.0000	.0001	.0007	.0011	.0001	.0014	.0010
%RSD	.0440	27.80	.9811	4.867	60.34	95.57	.0408	152.4	41.98
#1	1.509	-.0003	.0017	.0016	.0018	-.0019	.1355	-.0001	-.0032
#2	1.509	-.0002	.0017	.0015	.0007	-.0004	.1354	.0019	-.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0090**	**.0079**	**.0106**	**.0073**	**.0037**	**-.0039**	**.2055**	**68.74**
Stddev	.0002	.0002	.0016	.0079	.0052	.0014	.0010	.0067	.13
%RSD	29.62	2.278	19.81	74.16	70.92	38.01	25.21	3.252	.1859
#1	-.0006	.0088	.0090	.0050	.0037	.0047	-.0032	.2008	68.65
#2	-.0009	.0091	.0068	.0162	.0110	.0027	-.0046	.2103	68.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5260**	**22.30**	**3.967**	**62.07**	**.2111**	**-.0027**	**.0019**	**5.379**	**.0012**
Stddev	.0101	.39	.147	.02	.0016	.0012	.0062	.019	.0047
%RSD	1.922	1.754	3.700	.0304	.7629	44.93	332.5	.3566	387.6
#1	.5331	22.03	4.071	62.08	.2123	-.0036	.0062	5.393	.0045
#2	.5188	22.58	3.863	62.06	.2100	-.0018	-.0025	5.366	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.860**	**.0019**	**-.0753**	**-.0029**	**2.645**	**.0030**	**.1000**
Stddev	.001	.0014	.0006	.0005	.005	.0019	.0036
%RSD	.0190	75.95	.8544	17.56	.2007	61.49	3.579
#1	5.860	.0009	-.0758	-.0026	2.649	.0017	.1026
#2	5.861	.0029	-.0748	-.0033	2.641	.0043	.0975

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100130.**	**13374.**	**2226.2**	**6938.7**
Stddev	324.	53.	2.2	5.1
%RSD	.32350	.39789	.09853	.07347
#1	100360.	13412.	2224.6	6942.3
#2	99897.	13337.	2227.7	6935.1

Zoom In Zoom Out

Sample Name: mp80132-s3 Acquired: 6/19/2014 18:18:44 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.665**	**.0541**	**.0518**	**.5197**	**.2116**	**.2496**	**.6654**	**.5317**	**.0505**
Stddev	.001	.0000	.0000	.0018	.0003	.0005	.0015	.0016	.0002
%RSD	.0333	.0707	.0301	.3507	.1234	.2112	.2237	.2970	.4796
#1	3.664	.0540	.0518	.5184	.2118	.2499	.6643	.5306	.0507
#2	3.666	.0541	.0518	.5210	.2114	.2492	.6664	.5328	.0504

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4793**	**.5351**	**2.187**	**2.171**	**.5438**	**2.243**	**.5331**	**2.027**	**97.82**
Stddev	.0000	.0014	.010	.010	.0006	.007	.0019	.005	.10
%RSD	.0073	.2680	.4704	.4571	.1172	.3118	.3624	.2496	.1032
#1	.4793	.5341	2.180	2.164	.5443	2.238	.5317	2.024	97.89
#2	.4792	.5361	2.194	2.178	.5434	2.248	.5345	2.031	97.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.105**	**49.60**	**30.26**	**92.20**	**.2389**	**.0012**	**-.0034**	**5.667**	**.0034**
Stddev	.005	.04	.05	.06	.0003	.0000	.0001	.007	.0007
%RSD	.4322	.0823	.1810	.0661	.1166	2.688	2.571	.1263	21.37
#1	1.109	49.58	30.22	92.16	.2387	.0011	-.0034	5.662	.0039
#2	1.102	49.63	30.30	92.24	.2391	.0012	-.0035	5.672	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.035**	**.0019**	**-.0110**	**.0045**	**2.733**	**-.0005**	**.1064**
Stddev	.043	.0007	.0001	.0002	.007	.0002	.0004
%RSD	.7134	36.06	1.230	4.974	.2608	43.83	.3815
#1	6.066	.0024	-.0109	.0047	2.727	-.0004	.1061
#2	6.005	.0014	-.0111	.0043	2.738	-.0007	.1067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95215.**	**13286.**	**2121.2**	**6371.8**
Stddev	27.	22.	1.8	10.1
%RSD	.02881	.16675	.08265	.15785
#1	95195.	13302.	2122.4	6378.9
#2	95234.	13270.	2120.0	6364.7

Zoom In Zoom Out

Sample Name: mp80132-s4 Acquired: 6/19/2014 18:24:52 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.567**	**.0531**	**.0509**	**.5080**	**.2084**	**.2457**	**.6538**	**.5220**	**.0499**
Stddev	.004	.0001	.0000	.0010	.0001	.0000	.0011	.0002	.0001
%RSD	.0974	.1553	.0176	.2013	.0610	.0008	.1745	.0372	.2338
#1	3.570	.0531	.0509	.5073	.2083	.2457	.6530	.5219	.0498
#2	3.565	.0530	.0509	.5088	.2085	.2457	.6546	.5222	.0500

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4715**	**.5237**	**2.147**	**2.115**	**.5320**	**2.196**	**.5225**	**1.991**	**94.07**
Stddev	.0011	.0006	.001	.001	.0008	.003	.0009	.020	.15
%RSD	.2302	.1223	.0533	.0579	.1581	.1152	.1762	.9848	.1636
#1	.4707	.5232	2.146	2.116	.5314	2.195	.5232	2.005	94.18
#2	.4722	.5241	2.148	2.114	.5326	2.198	.5219	1.977	93.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.086**	**47.95**	**29.56**	**88.85**	**.2272**	**.0010**	**-.0036**	**5.439**	**.0025**
Stddev	.008	.05	.01	.11	.0018	.0002	.0002	.009	.0003
%RSD	.7352	.1064	.0441	.1205	.7749	21.79	5.412	.1556	14.00
#1	1.080	47.91	29.57	88.92	.2260	.0009	-.0038	5.433	.0027
#2	1.091	47.98	29.55	88.77	.2285	.0012	-.0035	5.445	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.690**	**.0018**	**-.0139**	**.0019**	**2.599**	**-.0007**	**.1008**
Stddev	.106	.0001	.0010	.0001	.004	.0004	.0001
%RSD	1.871	3.467	7.125	3.639	.1711	54.07	.1467
#1	5.615	.0018	-.0132	.0019	2.602	-.0009	.1007
#2	5.766	.0019	-.0146	.0018	2.596	-.0004	.1009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95215.**	**13372.**	**2117.0**	**6368.4**
Stddev	310.	35.	4.0	12.4
%RSD	.32592	.26212	.18958	.19547
#1	95434.	13397.	2119.8	6377.2
#2	94996.	13347.	2114.2	6359.6

Zoom In Zoom Out

Sample Name: jb69115-3f Acquired: 6/19/2014 18:31:01 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.576**	**.0001**	**.0008**	**.0004**	**.0005**	**.0004**	**.1388**	**.0004**	**-.0003**
Stddev	.000	.0001	.0001	.0000	.0001	.0001	.0005	.0003	.0001
%RSD	.0159	197.3	15.99	4.971	25.85	20.56	.3845	77.71	29.63
#1	1.577	.0001	.0007	.0004	.0004	.0005	.1392	.0002	-.0004
#2	1.576	.0000	.0009	.0004	.0006	.0003	.1385	.0007	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0016**	**.0054**	**.0053**	**.0042**	**-.0016**	**-.0014**	**-.0014**	**70.90**
Stddev	.0001	.0001	.0004	.0023	.0002	.0016	.0012	.0080	.17
%RSD	77.81	7.628	7.760	43.14	4.419	96.89	80.72	557.6	.2458
#1	-.0002	.0015	.0051	.0037	.0044	-.0005	-.0023	-.0071	71.03
#2	-.0001	.0017	.0057	.0069	.0041	-.0027	-.0006	.0042	70.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0454**	**22.34**	**4.259**	**64.96**	**.2312**	**.0000**	**-.0018**	**5.507**	**.0021**
Stddev	.0016	.02	.017	.13	.0001	.0002	.0005	.008	.0001
%RSD	3.543	.0813	.3914	.2025	.0545	362.0	27.52	.1374	4.058
#1	.0465	22.35	4.271	65.06	.2311	.0002	-.0021	5.502	.0021
#2	.0442	22.32	4.247	64.87	.2313	-.0001	-.0014	5.513	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.971**	**.0005**	**-.0130**	**-.0005**	**2.716**	**-.0003**	**.1048**
Stddev	.221	.0004	.0001	.0001	.037	.0002	.0002
%RSD	3.702	69.14	1.053	11.79	1.383	74.91	.1982
#1	5.815	.0008	-.0131	-.0006	2.742	-.0001	.1046
#2	6.127	.0003	-.0129	-.0005	2.689	-.0005	.1049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95651.**	**13306.**	**2149.5**	**6530.1**
Stddev	16.	18.	1.4	5.1
%RSD	.01647	.13388	.06497	.07883
#1	95640.	13318.	2148.5	6526.5
#2	95663.	13293.	2150.5	6533.7

Zoom In Zoom Out

Sample Name: mp80132-sd2 Acquired: 6/19/2014 18:37:18 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.603**	**-.0001**	**.0019**	**.0011**	**.0004**	**-.0006**	**.1457**	**.0022**	**-.0008**
Stddev	.002	.0005	.0001	.0002	.0012	.0009	.0006	.0021	.0009
%RSD	.1195	899.5	5.268	19.16	260.5	169.0	.3870	96.05	107.2
#1	1.602	-.0004	.0020	.0012	.0013	.0001	.1453	.0037	-.0002
#2	1.604	.0003	.0019	.0009	-.0004	-.0012	.1461	.0007	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0016**	**.0049**	**.0089**	**.0138**	**.0059**	**-.0010**	**-.0055**	**-.0057**	**72.09**
Stddev	.0005	.0005	.0022	.0062	.0069	.0008	.0022	.0428	.15
%RSD	30.17	9.225	25.22	44.89	117.4	79.32	40.67	754.0	.2135
#1	-.0019	.0046	.0073	.0182	.0010	-.0004	-.0039	.0246	72.20
#2	-.0012	.0053	.0105	.0094	.0108	-.0015	-.0071	-.0360	71.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0383**	**23.02**	**4.271**	**65.41**	**.2242**	**-.0039**	**.0052**	**5.562**	**.0040**
Stddev	.0013	.12	.121	.20	.0011	.0003	.0038	.007	.0001
%RSD	3.328	.5298	2.842	.3107	.5107	6.995	74.07	.1231	2.050
#1	.0392	23.11	4.185	65.55	.2250	-.0037	.0079	5.567	.0041
#2	.0374	22.93	4.357	65.26	.2234	-.0041	.0025	5.557	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.139**	**.0011**	**-.0942**	**-.0044**	**2.747**	**-.0021**	**.1047**
Stddev	.000	.0002	.0004	.0003	.019	.0004	.0010
%RSD	.0025	20.92	.4265	7.437	.6795	20.43	.9448
#1	6.139	.0013	-.0945	-.0047	2.761	-.0018	.1040
#2	6.140	.0009	-.0939	-.0042	2.734	-.0025	.1054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96931.**	**13274.**	**2191.3**	**6827.8**
Stddev	439.	95.	.7	4.9
%RSD	.45330	.71200	.03366	.07183
#1	97242.	13207.	2191.8	6824.3
#2	96620.	13341.	2190.7	6831.3

Zoom In Zoom Out

Sample Name: jb69115-2 Acquired: 6/19/2014 18:43:31 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0977**	**.0000**	**.0005**	**.0007**	**.0006**	**.0006**	**.0064**	**.0008**	**-.0005**
Stddev	.0001	.000	.0002	.0002	.0001	.0002	.0000	.0003	.0002
%RSD	.0921	3.183	31.78	21.93	13.35	29.93	.1246	45.64	48.94
#1	.0978	.0000	.0006	.0006	.0005	.0005	.0064	.0010	-.0006
#2	.0977	.0000	.0004	.0008	.0006	.0008	.0064	.0005	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0025**	**.0006**	**.0028**	**.0027**	**-.0022**	**-.0013**	**.0196**	**83.68**
Stddev	.0000	.0001	.0001	.0016	.0002	.0002	.0008	.0010	.18
%RSD	11.99	5.489	21.45	57.09	8.217	10.90	56.90	5.264	.2170
#1	-.0002	.0024	.0005	.0016	.0026	-.0020	-.0019	.0188	83.56
#2	-.0002	.0026	.0006	.0039	.0029	-.0023	-.0008	.0203	83.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0148**	**26.89**	**1.835**	**18.23**	**.0163**	**.0007**	**-.0023**	**5.847**	**.0022**
Stddev	.0011	.06	.022	.03	.0001	.0002	.0011	.011	.0004
%RSD	7.313	.2186	1.188	.1646	.4405	29.29	45.32	.1828	18.63
#1	.0156	26.85	1.820	18.21	.0162	.0006	-.0031	5.839	.0025
#2	.0141	26.93	1.851	18.25	.0163	.0009	-.0016	5.855	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.463**	**.0004**	**-.0196**	**.0001**	**11.10**	**.0001**	**.0233**
Stddev	.001	.0007	.0003	.0002	.02	.0008	.0016
%RSD	.0613	161.8	1.563	167.8	.1940	1031.	6.830
#1	1.463	-.0001	-.0199	.0002	11.11	-.0005	.0245
#2	1.464	.0009	-.0194	.0000	11.08	.0006	.0222

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96404.**	**13359.**	**2155.8**	**6606.8**
Stddev	270.	65.	1.5	4.8
%RSD	.27959	.48518	.07155	.07317
#1	96594.	13405.	2156.9	6610.2
#2	96213.	13313.	2154.7	6603.4

Zoom In Zoom Out

Sample Name: jb69115-4 Acquired: 6/19/2014 18:49:45 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2041**	**.0001**	**.0008**	**.0001**	**.0011**	**.0012**	**.0015**	**.0006**	**-.0007**
Stddev	.0004	.0000	.0001	.0005	.0000	.0000	.0000	.0000	.0001
%RSD	.1809	16.12	9.699	487.8	3.665	1.772	2.780	.7155	20.26
#1	.2043	.0001	.0009	.0004	.0011	.0011	.0015	.0006	-.0006
#2	.2038	.0001	.0008	-.0002	.0010	.0012	.0015	.0006	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**.0002**	**.0073**	**.0036**	**.0016**	**-.0009**	**.0185**	**59.49**
Stddev	.0001	.0001	.0005	.0001	.0003	.0009	.0006	.0030	.27
%RSD	62.70	6.393	351.4	1.862	9.284	53.55	71.49	16.15	.4578
#1	.0003	.0014	.0005	.0074	.0033	.0010	-.0013	.0164	59.68
#2	.0001	.0015	-.0002	.0072	.0038	.0022	-.0004	.0207	59.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0272**	**19.22**	**4.493**	**103.7**	**.2993**	**.0196**	**-.0003**	**3.270**	**.0024**
Stddev	.0012	.07	.014	.1	.0016	.0000	.0006	.006	.0005
%RSD	4.385	.3648	.3032	.1246	.5276	.0220	189.0	.1899	21.32
#1	.0281	19.27	4.484	103.8	.2982	.0196	-.0008	3.265	.0028
#2	.0264	19.17	4.503	103.6	.3004	.0196	.0001	3.274	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.925**	**.0003**	**-.0198**	**.0030**	**40.79**	**-.0002**	**.1674**
Stddev	.027	.0001	.0004	.0001	.15	.0004	.0010
%RSD	.4568	54.60	1.809	3.745	.3767	233.4	.5911
#1	5.944	.0004	-.0201	.0030	40.69	-.0005	.1681
#2	5.906	.0002	-.0196	.0029	40.90	.0001	.1667

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95271.**	**13273.**	**2141.6**	**6460.6**
Stddev	196.	83.	.6	5.1
%RSD	.20559	.62432	.02781	.07935
#1	95132.	13215.	2142.1	6464.3
#2	95409.	13332.	2141.2	6457.0

Zoom In Zoom Out

Sample Name: jb69115-6 Acquired: 6/19/2014 18:56:04 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2690**	**.0002**	**.0015**	**.0011**	**.0015**	**.0026**	**.0606**	**.0044**	**-.0001**
Stddev	.0001	.0001	.0001	.0001	.0004	.0000	.0002	.0002	.0004
%RSD	.0394	34.09	7.150	5.341	23.27	1.827	.2766	4.192	342.6
#1	.2690	.0002	.0014	.0011	.0013	.0026	.0607	.0043	.0001
#2	.2689	.0003	.0016	.0011	.0018	.0026	.0605	.0046	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0031**	**-.0007**	**.0089**	**.0033**	**.0006**	**.0003**	**.0388**	**396.5**
Stddev	.0004	.0001	.0007	.0016	.0014	.0013	.0006	.0104	.0
%RSD	510.8	1.831	93.93	18.34	42.92	223.0	167.6	26.91	.0068
#1	.0002	.0030	-.0002	.0100	.0023	.0015	.0007	.0314	396.5
#2	-.0004	.0031	-.0012	.0077	.0043	-.0003	-.0001	.0462	396.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0242**	**127.1**	**10.17**	**889.9**	**.0675**	**.0018**	**-.0120**	**6.001**	**.0041**
Stddev	.0005	.6	.05	8.7	.0003	.0001	.0003	.005	.0004
%RSD	2.193	.4726	.5237	.9738	.4383	5.025	2.773	.0877	8.661
#1	.0238	126.7	10.13	883.8	.0673	.0017	-.0123	5.997	.0043
#2	.0246	127.6	10.21	896.1	.0677	.0018	-.0118	6.005	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.33**	**.0031**	**-.0211**	**.0035**	**48.40**	**.0001**	**.1859**
Stddev	.08	.0001	.0006	.0002	.19	.0003	.0009
%RSD	.7660	4.382	2.714	6.398	.3915	412.8	.4643
#1	10.39	.0032	-.0207	.0036	48.53	-.0001	.1865
#2	10.28	.0030	-.0215	.0033	48.26	.0003	.1853

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83926.**	**12776.**	**1878.3**	**5350.8**
Stddev	105.	22.	1.5	6.8
%RSD	.12536	.17123	.08153	.12615
#1	83852.	12791.	1879.4	5355.6
#2	84001.	12760.	1877.3	5346.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:02:35 Type: QC
Method: Accutest1(v177) 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	**2.034**	**2.057**	**2.025**	**2.037**	**2.061**	**1.980**	**2.086**	**2.069**	**.2483**
Stddev	.001	.004	.004	.004	.008	.005	.003	.004	.0004
%RSD	.0350	.1747	.2058	.1774	.3692	.2405	.1213	.1755	.1714
#1	2.034	2.060	2.022	2.035	2.056	1.984	2.084	2.067	.2480
#2	2.033	2.055	2.028	2.040	2.066	1.977	2.088	2.072	.2486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**2.080**	**2.021**	**2.131**	**2.072**	**2.023**	**2.012**	**39.79**	**40.57**
Stddev	.002	.001	.003	.001	.000	.007	.004	.09	.16
%RSD	.0937	.0639	.1384	.0672	.0089	.3360	.1855	.2218	.3977
#1	2.002	2.081	2.023	2.132	2.072	2.027	2.009	39.86	40.69
#2	2.004	2.079	2.019	2.130	2.072	2.018	2.014	39.73	40.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.63**	**40.79**	**39.83**	**40.06**	**2.031**	**2.054**	**1.986**	**5.014**	**2.078**
Stddev	.04	.23	.10	.09	.004	.002	.004	.009	.001
%RSD	.1018	.5605	.2536	.2230	.2033	.0804	.1854	.1835	.0387
#1	40.66	40.95	39.90	40.12	2.028	2.053	1.988	5.007	2.079
#2	40.60	40.62	39.75	39.99	2.034	2.056	1.983	5.020	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 19:02:35 Type: QC
Method: Accutest1(v177) 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	**2.044**	**2.040**	**1.893**	**2.010**	**2.011**	**1.986**	**1.991**
Stddev	.002	.003	.015	.000	.008	.005	.002
%RSD	.1131	.1524	.7659	.0066	.3953	.2479	.1173
#1	2.046	2.038	1.882	2.010	2.017	1.982	1.992
#2	2.042	2.042	1.903	2.010	2.006	1.989	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95465.**	**13126.**	**2162.8**	**6494.0**
Stddev	150.	70.	.0	3.4
%RSD	.15710	.53699	.00046	.05198
#1	95571.	13076.	2162.8	6496.4
#2	95359.	13176.	2162.8	6491.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 19:08:37 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0004**	**-.0001**	**.0000**	**.0002**	**.0002**	**-.0004**
Stddev	.0001	.0000	.0000	.0003	.0002	.000	.0000	.0003	.0005
%RSD	41.73	58.56	.1887	67.47	343.8	796.6	6.499	169.3	133.6
#1	.0002	.0000	.0003	.0002	-.0002	.0001	.0002	.0004	-.0007
#2	.0004	.0001	.0003	.0006	.0001	-.0001	.0002	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**.0003**	**-.0001**	**.0003**	**-.0001**	**.0035**	**.0023**
Stddev	.0002	.0002	.0005	.0004	.0003	.0015	.0006	.0038	.0000
%RSD	87.40	75.22	161.7	156.7	364.2	509.1	493.2	108.6	.0230
#1	.0001	.0001	.0007	.0006	-.0003	-.0007	.0003	.0062	.0023
#2	.0004	.0004	.0000	.0000	.0001	.0013	-.0005	.0008	.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0099**	**.0238**	**.0370**	**.0011**	**.0011**	**.0011**	**.0054**	**-.0007**
Stddev	.0015	.0025	.0030	.0009	.0002	.0003	.0004	.0005	.0004
%RSD	42.92	25.54	12.75	2.319	19.95	26.27	37.15	9.880	60.99
#1	.0025	.0081	.0216	.0376	.0009	.0013	.0014	.0051	-.0010
#2	.0046	.0117	.0259	.0364	.0012	.0009	.0008	.0058	-.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: 6/19/2014 19:08:37 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**-.0058**	**.0000**	**.0023**	**-.0002**	**.0001**
Stddev	.0001	.0003	.0007	.0000	.0011	.0010	.0000
%RSD	79.30	103.4	13.00	94.23	49.31	528.5	5.397
#1	.0001	.0006	-.0052	.0000	.0015	-.0009	.0002
#2	.0002	.0001	-.0063	.0000	.0031	.0005	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99510.**	**13244.**	**2236.8**	**7053.8**
Stddev	5.	11.	1.6	6.4
%RSD	.00468	.08213	.07238	.09029
#1	99507.	13236.	2238.0	7058.3
#2	99514.	13252.	2235.7	7049.3

Zoom In Zoom Out

Sample Name: jb69115-7 Acquired: 6/19/2014 19:14:56 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2491**	**.0002**	**.0013**	**.0008**	**.0017**	**.0031**	**.0554**	**.0039**	**.0000**
Stddev	.0004	.0000	.0001	.0003	.0001	.0000	.0000	.0002	.000
%RSD	.1727	3.884	11.24	35.38	3.818	.9029	.0715	5.693	1001.
#1	.2488	.0002	.0014	.0006	.0017	.0031	.0553	.0038	-.0002
#2	.2494	.0002	.0012	.0010	.0016	.0031	.0554	.0041	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0054**	**-.0002**	**.0083**	**.0036**	**-.0009**	**-.0003**	**.2095**	**346.8**
Stddev	.0002	.0001	.0002	.0015	.0008	.0006	.0003	.0074	.7
%RSD	38.04	1.211	72.78	18.33	23.26	68.68	101.7	3.545	.2050
#1	.0007	.0054	-.0003	.0072	.0030	-.0004	-.0001	.2043	347.3
#2	.0004	.0053	-.0001	.0094	.0042	-.0013	-.0005	.2148	346.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2449**	**111.1**	**8.884**	**805.0**	**.0585**	**.0020**	**-.0108**	**5.489**	**.0025**
Stddev	.0007	.0	.001	5.0	.0012	.0000	.0002	.011	.0004
%RSD	.3012	.0103	.0150	.6215	1.966	.2244	2.174	.1990	15.12
#1	.2443	111.1	8.885	801.5	.0577	.0020	-.0107	5.481	.0028
#2	.2454	111.1	8.883	808.6	.0594	.0020	-.0110	5.497	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**8.926**	**.0051**	**-.0130**	**.0038**	**42.18**	**.0006**	**.1668**
Stddev	.116	.0005	.0013	.0002	.20	.0001	.0004
%RSD	1.295	10.54	10.01	5.139	.4635	10.07	.2597
#1	9.007	.0047	-.0121	.0039	42.04	.0006	.1671
#2	8.844	.0055	-.0139	.0036	42.32	.0007	.1665

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84219.**	**12732.**	**1901.1**	**5416.1**
Stddev	218.	18.	4.6	7.9
%RSD	.25841	.14259	.24185	.14601
#1	84373.	12745.	1904.4	5421.7
#2	84065.	12719.	1897.9	5410.5

Zoom In Zoom Out

Sample Name: jb69115-8 Acquired: 6/19/2014 19:21:27 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0433**	**.0000**	**.0005**	**.0005**	**.0010**	**.0016**	**.0111**	**.0009**	**-.0001**
Stddev	.0001	.000	.0000	.0000	.0003	.0003	.0001	.0006	.0002
%RSD	.3259	103.1	1.783	6.509	34.68	20.20	.6081	59.90	178.6
#1	.0432	.0000	.0005	.0005	.0012	.0013	.0111	.0005	-.0002
#2	.0434	.0000	.0005	.0006	.0007	.0018	.0111	.0013	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0687**	**.0029**	**.0032**	**.0010**	**.0016**	**.0013**	**-.0008**	**.0489**	**89.23**
Stddev	.0003	.0002	.0009	.0006	.0010	.0017	.0001	.0033	.32
%RSD	.3982	5.798	28.65	61.10	65.49	128.5	11.52	6.650	.3637
#1	.0685	.0030	.0038	.0014	.0023	.0001	-.0009	.0466	89.46
#2	.0689	.0028	.0025	.0006	.0009	.0025	-.0008	.0512	89.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0613**	**19.26**	**1.904**	**14.78**	**.0409**	**.0040**	**-.0030**	**4.475**	**.0030**
Stddev	.0001	.07	.008	.05	.0005	.0002	.0004	.003	.0005
%RSD	.1066	.3875	.4323	.3530	1.196	5.642	14.59	.0705	18.16
#1	.0613	19.31	1.898	14.81	.0412	.0039	-.0027	4.473	.0034
#2	.0612	19.20	1.910	14.74	.0406	.0042	-.0033	4.477	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4646**	**.0010**	**-.0134**	**.0010**	**13.06**	**.0002**	**.0083**
Stddev	.0013	.0001	.0004	.0001	.03	.0007	.0010
%RSD	.2875	10.98	2.712	6.562	.1991	291.6	11.76
#1	.4656	.0009	-.0131	.0010	13.04	-.0003	.0090
#2	.4637	.0011	-.0136	.0009	13.08	.0007	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97113.**	**13308.**	**2152.7**	**6622.9**
Stddev	411.	22.	3.3	7.6
%RSD	.42297	.16541	.15298	.11420
#1	97403.	13292.	2155.0	6628.2
#2	96822.	13323.	2150.3	6617.5

Zoom In Zoom Out

Sample Name: jb69115-9 Acquired: 6/19/2014 19:27:40 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0001**	**.0002**	**-.0002**	**.0001**	**-.0001**	**-.0005**
Stddev	.0002	.000	.000	.0002	.0003	.0002	.0000	.0001	.0002
%RSD	181.7	216.6	1536.	312.8	180.9	112.0	34.88	74.62	41.35
#1	.0002	.0000	.0000	-.0002	.0004	.0000	.0001	.0000	-.0006
#2	.0000	.0000	.0000	.0001	-.0001	-.0004	.0001	-.0002	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0013**	**.0001**	**-.0004**	**-.0003**	**.0014**	**-.0004**	**.0065**	**.0101**
Stddev	.000	.0000	.0001	.0020	.0002	.0026	.0000	.0053	.0027
%RSD	31.88	2.949	170.2	481.5	88.72	186.3	12.07	80.54	26.24
#1	.0000	.0014	.0000	-.0018	-.0001	-.0004	-.0004	.0103	.0120
#2	.0000	.0013	.0001	.0010	-.0005	.0033	-.0004	.0028	.0082

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**.0273**	**.0025**	**.0346**	**.0000**	**-.0007**	**.0006**	**.0218**	**-.0004**
Stddev	.0006	.0064	.0066	.0006	.0001	.0000	.0007	.0000	.0006
%RSD	16.77	23.32	263.9	1.657	542.2	3.201	112.4	.0357	170.1
#1	.0032	.0318	.0071	.0342	.0001	-.0007	.0012	.0218	.0001
#2	.0041	.0228	-.0022	.0350	-.0001	-.0007	.0001	.0218	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0119**	**-.0002**	**.0031**	**-.0010**	**-.0010**
Stddev	.0000	.0000	.0007	.0000	.0010	.0002	.0010
%RSD	1092.	163.3	5.679	23.62	33.53	21.42	96.94
#1	.0000	.0000	-.0114	-.0001	.0024	-.0009	-.0017
#2	.0000	.0000	-.0123	-.0002	.0039	-.0012	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102850.**	**13507.**	**2257.7**	**7161.7**
Stddev	213.	18.	6.2	19.8
%RSD	.20684	.13073	.27368	.27582
#1	102700.	13495.	2262.1	7175.7
#2	103000.	13520.	2253.3	7147.7

Zoom In Zoom Out

Sample Name: jb69115-2f Acquired: 6/19/2014 19:33:56 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0946**	**.0000**	**.0006**	**.0004**	**.0011**	**.0008**	**.0056**	**.0007**	**-.0002**
Stddev	.0001	.000	.0000	.0002	.0001	.0001	.0000	.0000	.0002
%RSD	.1084	4.945	4.289	49.51	10.70	9.905	.4028	2.265	140.2
#1	.0947	.0000	.0007	.0005	.0012	.0009	.0056	.0007	.0000
#2	.0946	.0000	.0006	.0002	.0010	.0008	.0056	.0007	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0030**	**.0004**	**.0014**	**.0015**	**-.0021**	**-.0010**	**.0110**	**80.75**
Stddev	.0003	.0001	.0006	.0004	.0005	.0010	.0009	.0071	.00
%RSD	128.3	2.700	145.5	30.33	30.69	46.96	83.48	64.45	.0030
#1	-.0004	.0029	.0000	.0017	.0012	-.0028	-.0017	.0161	80.75
#2	.0000	.0030	.0009	.0011	.0019	-.0014	-.0004	.0060	80.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**25.89**	**1.755**	**17.53**	**.0149**	**.0013**	**-.0025**	**5.636**	**.0021**
Stddev	.0001	.05	.008	.03	.0001	.0000	.0001	.016	.0004
%RSD	5.192	.1950	.4543	.1785	.6627	.7129	3.701	.2776	16.63
#1	.0017	25.93	1.749	17.50	.0148	.0013	-.0024	5.624	.0019
#2	.0016	25.85	1.760	17.55	.0150	.0013	-.0026	5.647	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.410**	**.0008**	**.0079**	**.0010**	**10.66**	**.0007**	**.0222**
Stddev	.000	.0002	.0002	.0002	.00	.0009	.0001
%RSD	.0295	24.11	1.951	18.71	.0159	118.8	.4420
#1	1.410	.0009	.0078	.0012	10.66	.0001	.0221
#2	1.411	.0006	.0080	.0009	10.66	.0014	.0223

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96429.**	**13371.**	**2154.1**	**6622.8**
Stddev	144.	40.	4.1	3.1
%RSD	.14905	.29861	.18875	.04649
#1	96328.	13399.	2157.0	6624.9
#2	96531.	13342.	2151.2	6620.6

Zoom In Zoom Out

Sample Name: jb69115-4f Acquired: 6/19/2014 19:40:09 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2011**	**.0001**	**.0006**	**.0002**	**.0009**	**.0008**	**.0003**	**.0011**	**-.0004**
Stddev	.0000	.0000	.0000	.0001	.0001	.0002	.0001	.0001	.0008
%RSD	.0151	7.271	.5012	35.64	7.273	24.35	41.32	5.703	171.2
#1	.2011	.0001	.0006	.0002	.0010	.0010	.0002	.0012	.0001
#2	.2011	.0000	.0006	.0003	.0009	.0007	.0003	.0011	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0025**	**.0014**	**.0038**	**.0038**	**-.0024**	**-.0002**	**.0079**	**58.27**
Stddev	.0001	.0000	.0004	.0010	.0008	.0008	.0004	.0055	.13
%RSD	120.5	1.470	27.29	25.47	20.79	35.04	198.7	69.73	.2279
#1	.0002	.0025	.0011	.0031	.0032	-.0018	-.0005	.0040	58.36
#2	.0000	.0025	.0016	.0045	.0044	-.0030	.0001	.0119	58.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0132**	**18.78**	**4.462**	**102.8**	**.2909**	**.0201**	**-.0020**	**3.194**	**.0017**
Stddev	.0009	.09	.043	.2	.0005	.0000	.0001	.001	.0004
%RSD	7.075	.4859	.9663	.1862	.1630	.0707	6.947	.0166	22.05
#1	.0125	18.84	4.493	102.9	.2905	.0201	-.0019	3.193	.0014
#2	.0138	18.71	4.432	102.7	.2912	.0201	-.0021	3.194	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.721**	**.0003**	**.0121**	**.0035**	**38.94**	**.0000**	**.1648**
Stddev	.131	.0002	.0034	.0000	.10	.000	.0001
%RSD	2.297	57.76	27.85	1.132	.2514	8709.	.0853
#1	5.814	.0002	.0097	.0035	38.87	-.0003	.1649
#2	5.628	.0004	.0145	.0035	39.01	.0003	.1647

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96044.**	**13356.**	**2146.3**	**6496.2**
Stddev	7.	55.	1.8	2.0
%RSD	.00695	.41461	.08446	.03135
#1	96049.	13317.	2147.6	6497.7
#2	96040.	13395.	2145.0	6494.8

Zoom In Zoom Out

Sample Name: jb69115-6f Acquired: 6/19/2014 19:46:27 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2684**	**.0002**	**.0013**	**.0007**	**.0011**	**.0034**	**.0541**	**.0046**	**-.0002**
Stddev	.0014	.0000	.0005	.0000	.0000	.0000	.0002	.0003	.0004
%RSD	.5031	14.05	35.60	1.398	2.930	.4524	.4364	6.596	232.6
#1	.2694	.0002	.0010	.0007	.0011	.0033	.0540	.0049	-.0004
#2	.2675	.0002	.0016	.0007	.0011	.0034	.0543	.0044	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0050**	**.0002**	**.0117**	**.0007**	**-.0009**	**.0002**	**.0141**	**387.6**
Stddev	.000	.0001	.0000	.0018	.0003	.0023	.0000	.0097	.2
%RSD	356.4	2.474	1.823	15.67	39.67	248.2	14.70	68.89	.0389
#1	-.0001	.0051	.0002	.0130	.0005	.0007	.0003	.0209	387.7
#2	.0000	.0049	.0002	.0104	.0009	-.0025	.0002	.0072	387.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0009**	**126.6**	**10.18**	**890.6**	**.0666**	**.0027**	**-.0116**	**5.908**	**.0030**
Stddev	.0025	.2	.05	1.6	.0000	.0001	.0003	.007	.0002
%RSD	263.5	.1455	.4984	.1835	.0386	2.237	2.957	.1222	6.259
#1	.0008	126.7	10.22	891.7	.0667	.0026	-.0114	5.903	.0032
#2	-.0027	126.4	10.15	889.4	.0666	.0027	-.0119	5.913	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.20**	**.0023**	**.0148**	**.0039**	**47.97**	**.0006**	**.1908**
Stddev	.08	.0005	.0015	.0001	.02	.0003	.0007
%RSD	.8224	19.77	10.34	2.339	.0385	49.26	.3569
#1	10.14	.0020	.0137	.0039	47.98	.0004	.1903
#2	10.26	.0026	.0159	.0038	47.96	.0007	.1913

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83675.**	**12709.**	**1868.1**	**5329.8**
Stddev	421.	28.	.2	5.9
%RSD	.50352	.21655	.00994	.11003
#1	83972.	12728.	1868.0	5334.0
#2	83377.	12689.	1868.2	5325.7

Zoom In Zoom Out

Sample Name: jb69115-7f Acquired: 6/19/2014 19:52:55 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2614**	**.0002**	**.0013**	**.0009**	**.0013**	**.0027**	**.0588**	**.0043**	**-.0002**
Stddev	.0005	.0001	.0002	.0002	.0005	.0002	.0001	.0000	.0001
%RSD	.1848	32.59	12.16	24.39	39.81	8.305	.0932	.9089	79.01
#1	.2618	.0002	.0014	.0007	.0016	.0028	.0588	.0044	-.0001
#2	.2611	.0001	.0012	.0010	.0009	.0025	.0588	.0043	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0035**	**-.0017**	**.0112**	**.0034**	**.0028**	**-.0005**	**.0247**	**382.5**
Stddev	.0001	.0001	.0002	.0011	.0000	.0014	.0002	.0019	1.1
%RSD	20.29	3.026	11.67	10.29	1.440	49.80	28.66	7.664	.2801
#1	-.0003	.0036	-.0015	.0104	.0034	.0018	-.0007	.0260	383.2
#2	-.0004	.0034	-.0018	.0120	.0033	.0038	-.0004	.0233	381.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0006**	**122.9**	**9.933**	**866.5**	**.0658**	**.0019**	**-.0110**	**5.751**	**.0030**
Stddev	.0017	.7	.016	8.1	.0008	.0001	.0010	.003	.0009
%RSD	313.6	.5287	.1632	.9346	1.289	7.043	9.008	.0580	31.42
#1	.0007	123.4	9.921	872.2	.0652	.0020	-.0117	5.748	.0037
#2	-.0018	122.5	9.944	860.7	.0664	.0018	-.0103	5.753	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.19**	**.0020**	**-.0212**	**.0032**	**47.64**	**.0010**	**.1855**
Stddev	.01	.0001	.0002	.0002	.14	.0006	.0001
%RSD	.0488	4.951	.9306	5.102	.2875	64.53	.0441
#1	10.19	.0020	-.0214	.0033	47.54	.0014	.1856
#2	10.19	.0021	-.0211	.0031	47.74	.0005	.1855

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83456.**	**12685.**	**1889.3**	**5376.4**
Stddev	242.	19.	4.5	14.2
%RSD	.28973	.15045	.23568	.26408
#1	83285.	12672.	1892.5	5386.5
#2	83627.	12699.	1886.2	5366.4

Zoom In Zoom Out

Sample Name: jb69115-8f Acquired: 6/19/2014 19:59:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0395**	**.0000**	**.0004**	**.0005**	**.0008**	**.0019**	**.0039**	**.0011**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0003	.0000	.0000	.0004	.0001
%RSD	.3687	248.5	22.55	22.54	40.30	1.943	.2109	35.71	54.25
#1	.0394	.0000	.0004	.0006	.0010	.0019	.0039	.0014	-.0001
#2	.0396	.0000	.0005	.0005	.0005	.0018	.0039	.0008	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0764**	**.0026**	**.0037**	**.0014**	**.0016**	**-.0041**	**-.0011**	**.0104**	**85.64**
Stddev	.0001	.0000	.0007	.0019	.0010	.0011	.0004	.0070	.03
%RSD	.1780	.1990	19.57	131.7	62.41	27.48	33.87	67.36	.0301
#1	.0765	.0026	.0042	.0001	.0022	-.0049	-.0013	.0055	85.62
#2	.0763	.0026	.0032	.0028	.0009	-.0033	-.0008	.0154	85.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**18.36**	**1.861**	**14.07**	**.0388**	**.0045**	**-.0018**	**4.286**	**.0016**
Stddev	.0013	.02	.027	.03	.0013	.0001	.0003	.003	.0002
%RSD	104.1	.0990	1.441	.2196	3.253	2.053	14.68	.0593	12.18
#1	.0003	18.35	1.880	14.05	.0379	.0044	-.0019	4.284	.0015
#2	.0022	18.38	1.842	14.10	.0397	.0046	-.0016	4.288	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4241**	**.0009**	**.0154**	**.0009**	**12.87**	**.0004**	**.0071**
Stddev	.0006	.0003	.0016	.0001	.01	.0005	.0010
%RSD	.1330	29.30	10.26	8.315	.1152	151.8	14.57
#1	.4237	.0007	.0143	.0009	12.88	.0007	.0064
#2	.4244	.0011	.0165	.0008	12.86	.0000	.0078

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97113.**	**13390.**	**2166.7**	**6671.0**
Stddev	108.	68.	1.7	6.8
%RSD	.11098	.50600	.07903	.10255
#1	97037.	13342.	2167.9	6675.8
#2	97189.	13437.	2165.5	6666.2

Zoom In Zoom Out

Sample Name: jb69115-9f Acquired: 6/19/2014 20:05:36 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: geqc water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**-.0001**	**.0000**	**-.0002**	**.0002**	**.0001**	**.0002**	**-.0005**
Stddev	.0002	.0000	.0001	.000	.0002	.0002	.0000	.0002	.0001
%RSD	236.3	178.5	112.2	29050.	89.49	82.02	3.752	97.13	17.83
#1	.0000	.0000	-.0001	.0002	-.0003	.0004	.0001	.0003	-.0006
#2	-.0002	.0000	.0000	-.0002	-.0001	.0001	.0001	.0001	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**.0002**	**.0011**	**-.0001**	**-.0004**	**.0003**	**.0032**	**.0175**
Stddev	.0001	.0001	.0005	.0005	.0003	.0002	.0002	.0031	.0012
%RSD	49.34	3.552	208.6	44.20	365.4	53.21	91.06	98.19	6.630
#1	.0003	.0015	-.0001	.0008	.0001	-.0005	.0004	.0010	.0183
#2	.0001	.0016	.0006	.0015	-.0003	-.0002	.0001	.0054	.0167

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0119**	**.0312**	**.0607**	**-.0007**	**-.0003**	**.0010**	**.0144**	**-.0006**
Stddev	.0036	.0140	.0214	.0013	.0001	.0000	.0003	.0004	.0001
%RSD	92.39	118.1	68.60	2.112	9.062	.6872	27.94	3.045	15.90
#1	.0013	.0020	.0161	.0616	-.0006	-.0003	.0013	.0147	-.0006
#2	.0064	.0218	.0464	.0598	-.0007	-.0003	.0008	.0141	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0006**	**.0114**	**-.0005**	**.0049**	**-.0005**	**-.0007**
Stddev	.0000	.0003	.0013	.0000	.0012	.0001	.0006
%RSD	103.7	52.94	11.47	.6331	23.83	24.24	93.28
#1	.0000	.0004	.0105	-.0005	.0041	-.0005	-.0011
#2	.0000	.0008	.0124	-.0005	.0057	-.0006	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102040.**	**13438.**	**2266.8**	**7171.5**
Stddev	353.	53.	3.3	10.9
%RSD	.34575	.39423	.14717	.15228
#1	101790.	13400.	2269.2	7179.2
#2	102290.	13475.	2264.5	7163.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 20:11:54 Type: QC
Method: Accutest1(v177) 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	**2.032**	**2.062**	**2.015**	**2.030**	**2.054**	**1.972**	**2.063**	**2.056**	**.2449**
Stddev	.001	.004	.001	.002	.000	.002	.000	.001	.0005
%RSD	.0466	.1947	.0668	.1161	.0011	.0983	.0167	.0505	.1943
#1	2.032	2.059	2.014	2.028	2.054	1.974	2.063	2.055	.2453
#2	2.033	2.065	2.016	2.031	2.054	1.971	2.063	2.056	.2446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**2.071**	**2.006**	**2.123**	**2.060**	**2.026**	**2.004**	**39.99**	**40.85**
Stddev	.001	.001	.002	.005	.000	.002	.001	.06	.10
%RSD	.0394	.0644	.1081	.2213	.0152	.0763	.0257	.1517	.2519
#1	1.995	2.072	2.004	2.127	2.060	2.025	2.004	39.95	40.77
#2	1.994	2.070	2.007	2.120	2.060	2.027	2.003	40.04	40.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.34**	**41.01**	**40.05**	**40.24**	**2.023**	**2.043**	**1.967**	**4.997**	**2.066**
Stddev	.05	.28	.05	.09	.003	.002	.005	.005	.003
%RSD	.1158	.6940	.1239	.2131	.1418	.1035	.2388	.1081	.1626
#1	40.31	40.81	40.02	40.18	2.021	2.042	1.970	4.994	2.068
#2	40.37	41.21	40.09	40.30	2.025	2.045	1.963	5.001	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: 6/19/2014 20:11:54 Type: QC
Method: Accutest1(v177) 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	**2.052**	**2.018**	**1.806**	**2.005**	**2.013**	**1.982**	**1.984**
Stddev	.002	.001	.008	.001	.007	.001	.001
%RSD	.1145	.0394	.4481	.0535	.3399	.0627	.0544
#1	2.051	2.018	1.800	2.004	2.008	1.981	1.983
#2	2.054	2.017	1.812	2.006	2.018	1.983	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**96423.**	**13075.**	**2174.6**	**6533.8**
Stddev	52.	23.	1.5	.6
%RSD	.05373	.17560	.06846	.00907
#1	96460.	13091.	2173.5	6533.4
#2	96386.	13059.	2175.6	6534.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 20:17:58 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0005**	**.0005**	**.0001**	**-.0001**	**.0003**	**.0004**
Stddev	.0000	.0000	.0002	.0001	.0003	.0002	.0000	.0000
%RSD	11.07	11.19	38.53	11.19	331.7	152.0	14.24	4.652
#1	.0001	.0002	.0004	.0005	-.0001	-.0003	.0003	.0004
#2	.0001	.0002	.0006	.0006	.0003	.0000	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**.0002**	**.0008**	**.0010**	**.0008**	**.0019**	**.0003**
Stddev	.0000	.000	.0002	.0008	.0002	.0001	.0006	.0008
%RSD	13.10	580.0	97.16	101.0	24.11	7.936	33.01	249.9
#1	-.0002	.0001	.0003	.0014	.0012	.0009	.0014	.0009
#2	-.0003	-.0001	.0001	.0002	.0008	.0008	.0023	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0026**	**.0031**	**.0161**	**-.0019**	**.0429**	**.0012**	**.0009**
Stddev	.0054	.0035	.0019	.0115	.0054	.0002	.0005	.0004
%RSD	136.1	135.9	61.88	71.69	288.0	.3997	44.30	47.71
#1	.0078	.0001	.0045	.0243	.0019	.0430	.0016	.0012
#2	.0001	.0050	.0018	.0079	-.0057	.0428	.0008	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 20:17:58 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0054**	**-.0008**	**.0003**	**.0001**	F **-.0176**	**-.0005**	**-.0001**
Stddev	.0003	.0003	.0000	.0000	.0002	.0012	.0000	.0003
%RSD	21.90	4.839	4.733	15.46	142.7	6.569	4.095	322.9
#1	.0012	.0052	-.0008	.0002	.0002	-.0168	-.0005	.0001
#2	.0017	.0055	-.0008	.0003	.0000	-.0184	-.0005	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0003**	**-.0006**
Stddev	.0001	.0002
%RSD	51.38	40.62
#1	.0002	-.0007
#2	.0004	-.0004
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100600.**	**13188.**	**2253.0**	**7105.2**
Stddev	351.	115.	.6	.0
%RSD	.34875	.87426	.02587	.00068
#1	100850.	13269.	2252.6	7105.2
#2	100360.	13106.	2253.4	7105.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 20:24:16 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2081**	**.0023**	**.0033**	**.0518**	**.0104**	**.0095**	**.0164**	**.0106**	**.0048**
Stddev	.0002	.0000	.0004	.0002	.0003	.0002	.0001	.0003	.0002
%RSD	.1098	1.493	10.85	.3902	3.100	2.032	.7112	2.373	5.102
#1	.2079	.0022	.0031	.0517	.0106	.0096	.0163	.0104	.0050
#2	.2082	.0023	.0036	.0520	.0101	.0093	.0164	.0108	.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	**.0498**	**.0236**	**.0083**	**.0105**	**.0036**	**.0120**	**.0057**	**.2070**	**4.986**
Stddev	.0001	.0001	.0004	.0009	.0001	.0019	.0006	.0006	.012
%RSD	.1788	.5449	4.887	8.747	1.717	16.02	10.32	.2705	.2327
#1	.0499	.0237	.0080	.0099	.0037	.0107	.0061	.2074	4.978
#2	.0498	.0235	.0086	.0112	.0036	.0134	.0053	.2066	4.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1059**	**5.139**	**5.011**	**5.075**	**.1039**	**.0209**	**.0587**	**.2066**	**.0106**
Stddev	.0003	.016	.004	.003	.0008	.0001	.0012	.0012	.0001
%RSD	.3254	.3012	.0843	.0538	.8033	.4400	2.080	.5923	.8204
#1	.1061	5.128	5.014	5.073	.1033	.0209	.0595	.2057	.0105
#2	.1056	5.150	5.008	5.077	.1045	.0208	.0578	.2074	.0107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/19/2014 20:24:16 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0108**	F **.0310**	**.0107**	**.0482**	**.0203**	**.0207**
Stddev	.0001	.0001	.0002	.0001	.0015	.0000	.0006
%RSD	.6567	1.163	.6781	.6615	3.023	.0891	2.811
#1	.0107	.0108	.0312	.0106	.0492	.0203	.0203
#2	.0106	.0109	.0309	.0107	.0472	.0203	.0211
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	**100590.**	**13188.**	**2245.9**	**7017.5**
Stddev	146.	51.	.8	3.3
%RSD	.14496	.38649	.03448	.04734
#1	100490.	13224.	2246.5	7015.2
#2	100690.	13152.	2245.4	7019.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 20:30:30 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0010**	**.0032**	**.0021**	**.0021**	**.0033**	**.0047**	**.0007**
Stddev	.0003	.0000	.0001	.0001	.0000	.0000	.0000	.0002	.0002
%RSD	7.615	4.644	8.277	2.868	.5163	1.815	1.300	4.980	26.00
#1	.0039	.0010	.0009	.0033	.0021	.0021	.0034	.0046	.0009
#2	.0043	.0010	.0011	.0032	.0021	.0021	.0033	.0049	.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	**.0019**	**.0120**	**.0022**	**.0021**	F **.0017**	F **.0076**	**.0022**	**.1072**	**1.023**
Stddev	.0001	.0001	.0002	.0012	.0002	.0006	.0001	.0040	.004
%RSD	3.815	.8943	9.924	57.07	10.01	7.842	3.396	3.709	.3372
#1	.0019	.0120	.0023	.0013	.0019	.0071	.0022	.1044	1.021
#2	.0020	.0119	.0020	.0029	.0016	.0080	.0021	.1100	1.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.0025	.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	**.0015**	**.1005**	**2.041**	**1.042**	**.0095**	**-.0010**	**.0015**	**.0000**	**-.0006**
Stddev	.0017	.0039	.005	.006	.0006	.0001	.0011	.000	.0006
%RSD	111.1	3.860	.2323	.6274	5.954	8.481	71.04	786.5	92.93
#1	.0028	.1033	2.038	1.046	.0099	-.0011	.0007	-.0003	-.0002
#2	.0003	.0978	2.044	1.037	.0091	-.0010	.0022	.0002	-.0011
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/19/2014 20:30:30 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0220**	**-.0010**	**.0002**	**-.0003**	**.0004**
Stddev	.0000	.0000	.0003	.0002	.0009	.0002	.0005
%RSD	33.72	5.040	1.510	16.54	359.6	50.02	112.7
#1	.0000	-.0001	-.0218	-.0009	.0008	-.0005	.0008
#2	.0000	-.0001	-.0223	-.0011	-.0004	-.0002	.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	**99506.**	**13157.**	**2241.8**	**7053.2**
Stddev	324.	60.	2.2	7.5
%RSD	.32567	.45842	.09712	.10626
#1	99735.	13114.	2243.3	7058.5
#2	99277.	13199.	2240.3	7047.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 20:36:48 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0002**	**.0000**	**.0002**	**-.0002**
Stddev	.0001	.000	.0000	.0001	.0006	.0002	.000	.0001	.0001
%RSD	234.4	9.214	33.49	95.86	297.6	108.7	155.9	25.23	34.36
#1	.0000	.0000	.0001	.0003	-.0007	-.0003	.0000	.0002	-.0003
#2	.0001	.0000	.0001	.0001	.0002	.0000	.0000	.0002	-.0002
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0206**	**.0004**	**.0212**	**.0228**	**.0188**	**.4972**	**-.0056**
Stddev	.000	.0000	.0005	.0015	.0002	.0007	.0009	.0037	.0052
%RSD	96.31	4.065	2.354	344.6	.7130	3.124	4.868	.7367	93.22
#1	.0000	.0001	.0209	.0015	.0213	.0233	.0181	.4946	-.0019
#2	-.0001	.0001	.0202	-.0006	.0211	.0223	.0194	.4998	-.0093
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	**.5234**	**-.0105**	**-.0091**	**.0215**	**-.0006**	**-.0013**	**.0010**	**.0003**	**-.0013**
Stddev	.0010	.0137	.0359	.0019	.0002	.0001	.0023	.0003	.0003
%RSD	.1900	130.1	394.4	8.819	38.94	10.28	238.7	114.3	24.94
#1	.5241	-.0008	.0163	.0229	-.0007	-.0014	.0026	.0005	-.0016
#2	.5227	-.0202	-.0345	.0202	-.0004	-.0012	-.0007	.0000	-.0011
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/19/2014 20:36:48 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0231**	**-.0010**	**.0003**	**-.0008**	**-.0019**
Stddev	.000	.0000	.0004	.0000	.0014	.0001	.0001
%RSD	53.93	71.48	1.550	4.462	419.1	14.29	7.668
#1	-.0001	.0001	-.0234	-.0011	-.0006	-.0007	-.0018
#2	.0000	.0000	-.0228	-.0010	.0013	-.0009	-.0020
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101140.**	**13139.**	**2253.0**	**7097.4**
Stddev	61.	61.	2.9	16.2
%RSD	.05997	.46515	.12888	.22870
#1	101180.	13183.	2255.0	7108.9
#2	101100.	13096.	2250.9	7085.9

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/19/2014 20:43:06 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0000**	**.0005**	**-.0002**	**-.0049**	**-.0005**	**-.0001**	**.0001**
Stddev	.0001	.000	.0001	.0003	.0003	.0004	.0000	.0004	.0003
%RSD	12.51	36.41	2988.	52.47	145.9	8.225	7.989	776.0	231.9
#1	-.0008	.0000	-.0001	.0007	.0000	-.0046	-.0005	-.0003	-.0001
#2	-.0010	.0000	.0001	.0003	-.0004	-.0052	-.0006	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**-.0015**	**-.0024**	**.0001**	**.0010**	**-.0072**	**.0011**	**490.9**	**369.4**
Stddev	.0003	.0004	.0011	.0003	.0016	.0004	.0001	4.2	.2
%RSD	17.01	28.93	44.53	268.6	153.3	4.942	6.562	.8474	.0638
#1	-.0018	-.0012	-.0031	-.0001	.0022	-.0070	.0011	493.9	369.6
#2	-.0023	-.0018	-.0016	.0003	-.0001	-.0075	.0012	488.0	369.2
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	**184.8**	**519.9**	**-.0228**	**.0130**	**-.0134**	**.0060**	**-.0130**	**-.0040**	**.0075**
Stddev	.6	1.0	.0157	.0009	.0005	.0001	.0005	.0007	.0010
%RSD	.3177	.1868	68.89	6.906	4.106	2.389	4.201	16.56	13.20
#1	184.4	519.2	-.0117	.0124	-.0130	.0061	-.0134	-.0045	.0068
#2	185.2	520.6	-.0339	.0137	-.0137	.0059	-.0127	-.0036	.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/19/2014 20:43:06 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0025**	**-.0067**	F **.0224**	**-.0081**	**.0048**	**.0057**
Stddev	.0002	.0004	.0013	.0003	.0016	.0005	.0001
%RSD	23.62	17.24	19.18	1.443	19.92	9.492	1.977
#1	-.0007	.0028	-.0058	.0226	-.0093	.0051	.0056
#2	-.0009	.0022	-.0076	.0222	-.0070	.0044	.0057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87622.**	**12948.**	**2015.5**	**5866.2**
Stddev	259.	51.	5.0	3.3
%RSD	.29594	.39604	.24902	.05706
#1	87806.	12984.	2019.1	5868.6
#2	87439.	12912.	2012.0	5863.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 20:49:28 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4869**	**.4868**	**.9941**	**.4702**	**.4701**	**.5067**	**.4963**	**.9490**	**1.020**
Stddev	.0006	.0005	.0008	.0013	.0035	.0007	.0005	.0002	.001
%RSD	.1327	.1125	.0816	.2811	.7376	.1354	.0980	.0217	.1123
#1	.4874	.4871	.9935	.4693	.4725	.5062	.4966	.9488	1.019
#2	.4865	.4864	.9947	.4711	.4676	.5072	.4960	.9491	1.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4392**	**.9342**	**1.078**	**.9861**	**.9388**	**1.086**	**1.027**	**486.0**	**368.3**
Stddev	.0000	.0018	.005	.0028	.0039	.004	.002	8.7	.3
%RSD	.0078	.1938	.4589	.2829	.4111	.3230	.2076	1.791	.0765
#1	.4392	.9329	1.075	.9841	.9361	1.083	1.025	479.9	368.1
#2	.4392	.9355	1.082	.9880	.9415	1.088	1.028	492.2	368.5
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	**188.1**	**523.1**	**-.0287**	**.0156**	**-.0146**	**.5093**	**.5391**	**-.0061**	**.0090**
Stddev	.4	2.1	.0127	.0000	.0001	.0012	.0031	.0007	.0002
%RSD	.1876	.4078	44.39	.1855	.3484	.2370	.5678	12.24	2.652
#1	188.4	524.6	-.0377	.0156	-.0147	.5085	.5369	-.0056	.0092
#2	187.9	521.6	-.0197	.0155	-.0146	.5102	.5412	-.0066	.0089
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/19/2014 20:49:28 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0057**	**.5226**	**.4837**	**.4606**	**.4964**	**.5796**
Stddev	.0001	.0001	.0010	.0008	.0015	.0002	.0006
%RSD	11.44	.8870	.1920	.1717	.3202	.0372	.1028
#1	-.0008	.0057	.5219	.4831	.4595	.4965	.5792
#2	-.0010	.0057	.5233	.4843	.4616	.4962	.5800
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87579.**	**12795.**	**2014.2**	**5886.9**
Stddev	32.	69.	.0	.8
%RSD	.03654	.53667	.00093	.01432
#1	87556.	12746.	2014.2	5886.3
#2	87601.	12843.	2014.2	5887.5

Zoom In Zoom Out

Sample Name: ticonf Acquired: 6/19/2014 20:55:45 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**.0004**	**.0005**	**.0012**	**-.0002**	**-.0009**	**-.0009**	**.0001**
Stddev	.0001	.0001	.0001	.0000	.0001	.0001	.0000	.0000	.0003
%RSD	44.82	98.18	30.12	1.754	10.17	73.94	.5154	4.958	526.1
#1	.0003	.0000	.0003	.0005	.0011	-.0003	-.0009	-.0009	-.0002
#2	.0002	.0002	.0005	.0005	.0013	-.0001	-.0009	-.0009	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0040**	**.0032**	**.0013**	**.0008**	**.0006**	**.0012**	**.0008**	**.0757**	**.0276**
Stddev	.0002	.0001	.0001	.0004	.0001	.0002	.0009	.0013	.0038
%RSD	5.284	3.602	10.67	48.95	17.34	15.11	103.5	1.773	13.91
#1	.0042	.0032	.0014	.0005	.0007	.0013	.0002	.0766	.0249
#2	.0039	.0033	.0012	.0011	.0006	.0011	.0014	.0747	.0303

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0117**	**-.0281**	**-.0215**	**.0115**	**.0000**	**-.0037**	**.0023**	**-.5393**	**.0004**
Stddev	.0010	.0004	.0049	.0023	.0002	.0000	.0011	.0019	.0002
%RSD	8.857	1.334	22.61	20.34	474.4	1.269	46.62	.3549	54.66
#1	.0109	-.0284	-.0181	.0132	.0002	-.0037	.0015	-.5407	.0003
#2	.0124	-.0279	-.0250	.0099	-.0001	-.0036	.0030	-.5379	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**10.05**	**-.0227**	**.0158**	**-.0004**	**.0063**	**.0003**
Stddev	.0001	.02	.0005	.0016	.0012	.0004	.0015
%RSD	69.17	.2451	2.035	9.923	312.0	5.979	501.8
#1	.0000	10.07	-.0224	.0169	-.0012	.0060	.0014
#2	.0001	10.04	-.0231	.0147	.0005	.0066	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101510.**	**13132.**	**2249.5**	**7097.0**
Stddev	208.	42.	2.3	7.1
%RSD	.20449	.31621	.10298	.10060
#1	101370.	13102.	2251.2	7102.1
#2	101660.	13161.	2247.9	7092.0

Zoom In Zoom Out

Sample Name: alconf Acquired: 6/19/2014 21:02:03 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0007**	**.0000**	**-.0001**	**-.0002**	**.0001**	**.0003**	**-.0006**	**-.0014**	**.0005**
Stddev	.0002	.0001	.0001	.0002	.0006	.0001	.0000	.0003	.0000
%RSD	22.67	295.5	52.84	96.63	459.6	34.61	7.101	21.35	1.254
#1	-.0008	.0000	-.0001	-.0003	-.0003	.0002	-.0006	-.0016	.0005
#2	-.0006	.0001	-.0001	-.0001	.0006	.0003	-.0006	-.0012	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0040**	**.0001**	**-.0004**	**-.0004**	**.0009**	**.0010**	**474.8**	**.0268**
Stddev	.0002	.0000	.0013	.0014	.0018	.0013	.0006	13.8	.0060
%RSD	207.6	.1010	1042.	360.2	469.0	141.3	59.57	2.911	22.36
#1	.0000	.0040	-.0008	-.0013	-.0017	.0000	.0014	465.0	.0310
#2	-.0002	.0040	.0010	.0006	.0009	.0018	.0006	484.6	.0226

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**.0405**	**-.0123**	**-.0075**	**-.0031**	**.0027**	**.0012**	**.0126**	**.0033**
Stddev	.0040	.0147	.0180	.0025	.0005	.0001	.0010	.0006	.0007
%RSD	297.8	36.32	145.7	33.30	16.86	4.062	79.10	5.122	20.24
#1	-.0015	.0301	.0004	-.0057	-.0027	.0026	.0019	.0121	.0038
#2	.0042	.0510	-.0250	-.0093	-.0034	.0028	.0005	.0130	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0010**	**-.0149**	**.0116**	**.0000**	**-.0019**	**-.0013**
Stddev	.0000	.0003	.0001	.0004	.001	.0009	.0011
%RSD	1.158	26.76	.5476	3.728	86970.	46.30	83.97
#1	.0001	.0012	-.0148	.0113	.0010	-.0013	-.0005
#2	.0001	.0008	-.0149	.0119	-.0010	-.0025	-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93985.**	**13516.**	**2267.6**	**6501.0**
Stddev	194.	25.	3.9	16.3
%RSD	.20650	.18323	.17041	.25097
#1	94123.	13533.	2270.3	6512.5
#2	93848.	13498.	2264.9	6489.4

Zoom In Zoom Out

Sample Name: sconf Acquired: 6/19/2014 21:08:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**.0001**	**-.0002**	**-.0003**	**.0001**	**.0001**	**-.0003**
Stddev	.0000	.000	.000	.0000	.0001	.0000	.0000	.0001	.0003
%RSD	36.30	177.6	1068.	15.02	52.31	1.673	40.82	120.1	96.61
#1	.0001	.0000	-.0002	.0001	-.0003	-.0003	.0000	.0002	-.0001
#2	.0001	-.0001	.0002	.0001	-.0001	-.0003	.0001	.0000	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0010**	**.0001**	**.0005**	**-.0007**	**.0019**	**-.0011**	**.0445**	**.0090**
Stddev	.0003	.0001	.0003	.0011	.0006	.0011	.0003	.0017	.0006
%RSD	292.0	6.186	233.2	232.5	81.75	54.64	25.86	3.933	7.080
#1	.0001	.0010	-.0001	-.0003	-.0003	.0027	-.0009	.0457	.0094
#2	-.0003	.0010	.0004	.0013	-.0012	.0012	-.0012	.0432	.0085

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0047**	**-.0041**	**-.0039**	**.0060**	**-.0014**	**-.0012**	**.0017**	**.0050**	**-.0010**
Stddev	.0012	.0014	.0091	.0076	.0001	.0001	.0000	.0005	.0000
%RSD	24.89	33.61	234.2	125.9	10.68	7.825	1.357	9.906	2.073
#1	.0039	-.0051	-.0103	.0113	-.0013	-.0011	.0017	.0053	-.0010
#2	.0056	-.0031	.0025	.0007	-.0015	-.0012	.0017	.0046	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0245**	**.0012**	**23.37**	**-.0004**	**-.0010**
Stddev	.0000	.0002	.0002	.0001	.01	.0004	.0003
%RSD	97.13	66.50	.8162	12.07	.0235	91.65	33.28
#1	.0000	.0004	-.0247	.0013	23.37	-.0001	-.0008
#2	.0001	.0002	-.0244	.0011	23.37	-.0007	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100550.**	**13079.**	**2254.8**	**7111.2**
Stddev	98.	24.	3.8	17.2
%RSD	.09776	.18538	.16902	.24171
#1	100620.	13062.	2257.5	7123.4
#2	100480.	13096.	2252.1	7099.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 21:14:41 Type: QC
Method: Accutest1(v177) 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	**2.029**	**2.058**	**2.013**	**2.034**	**2.057**	**1.975**	**2.091**	**2.064**	**.2484**
Stddev	.001	.001	.002	.001	.007	.001	.008	.001	.0008
%RSD	.0254	.0516	.1049	.0438	.3562	.0543	.3990	.0359	.3289
#1	2.030	2.058	2.012	2.033	2.052	1.976	2.085	2.063	.2478
#2	2.029	2.057	2.015	2.034	2.062	1.974	2.097	2.064	.2490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.077**	**2.010**	**2.129**	**2.069**	**2.017**	**1.999**	**39.51**	**40.34**
Stddev	.003	.000	.005	.001	.004	.002	.003	.11	.02
%RSD	.1381	.0158	.2706	.0518	.1806	.0961	.1528	.2675	.0384
#1	1.999	2.077	2.006	2.130	2.066	2.015	2.001	39.43	40.33
#2	2.003	2.078	2.014	2.129	2.072	2.018	1.997	39.58	40.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.59**	**40.40**	**39.83**	**40.01**	**2.016**	**2.040**	**1.993**	**4.973**	**2.073**
Stddev	.13	.05	.04	.02	.006	.001	.002	.001	.000
%RSD	.3319	.1344	.1108	.0511	.3003	.0670	.0867	.0140	.0202
#1	40.69	40.36	39.80	40.02	2.012	2.039	1.994	4.973	2.073
#2	40.50	40.44	39.86	39.99	2.020	2.041	1.992	4.974	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: 6/19/2014 21:14:41 Type: QC
Method: Accutest1(v177) 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	**2.029**	**2.044**	**1.833**	**1.996**	**2.007**	**1.973**	**1.984**
Stddev	.003	.009	.008	.001	.007	.001	.000
%RSD	.1527	.4295	.4559	.0701	.3468	.0606	.0224
#1	2.027	2.038	1.827	1.995	2.002	1.972	1.984
#2	2.031	2.050	1.839	1.997	2.012	1.974	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95810.**	**13097.**	**2182.9**	**6538.1**
Stddev	377.	19.	1.5	7.7
%RSD	.39330	.14242	.06885	.11805
#1	96076.	13084.	2183.9	6543.6
#2	95543.	13110.	2181.8	6532.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 21:20:45 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0002**	**.0002**	**.0002**	**.0001**	**.0003**	**.0002**
Stddev	.0001	.0000	.0002	.0001	.0003	.0003	.0000	.0003
%RSD	29.87	3.556	110.8	64.85	137.4	312.1	7.641	141.3
#1	.0005	.0004	.0003	.0001	.0000	-.0001	.0004	.0005
#2	.0003	.0004	.0000	.0003	.0005	.0003	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0003**	**.0002**	**-.0002**	**.0018**	**-.0001**	**.0008**	**-.0002**
Stddev	.0002	.0000	.0000	.0003	.0004	.0005	.0012	.0007
%RSD	33.45	7.501	13.93	196.7	23.01	447.7	150.5	316.8
#1	-.0006	.0003	.0002	-.0004	.0015	.0002	-.0001	.0003
#2	-.0004	.0003	.0001	.0001	.0021	-.0004	.0016	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0065**	**.0069**	**.0081**	**.0234**	**.0007**	**.0216**	**.0014**	**.0007**
Stddev	.0007	.0024	.0019	.0239	.0205	.0022	.0009	.0001
%RSD	11.55	34.39	23.85	102.2	2791.	10.33	63.32	18.56
#1	.0070	.0085	.0094	.0065	-.0138	.0200	.0020	.0008
#2	.0059	.0052	.0067	.0403	.0152	.0232	.0008	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 21:20:45 Type: QC
Method: Accutest1(v177) 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**	**.0045**	**-.0003**	**.0004**	**.0006**	F **-.0153**	**-.0005**	**-.0005**
Stddev	.0004	.0003	.0004	.0000	.0002	.0010	.0001	.0027
%RSD	24.38	5.576	129.9	2.788	26.55	6.299	18.23	543.6
#1	.0021	.0047	-.0006	.0004	.0005	-.0147	-.0005	.0014
#2	.0015	.0043	.0000	.0004	.0007	-.0160	-.0006	-.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**-.0006**
Stddev	.0009	.0000
%RSD	490.7	8.832
#1	-.0008	-.0006
#2	.0004	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100830.**	**13079.**	**2249.1**	**7099.1**
Stddev	138.	105.	5.5	13.3
%RSD	.13735	.80341	.24540	.18794
#1	100930.	13153.	2253.0	7108.5
#2	100740.	13004.	2245.2	7089.6

Zoom In Zoom Out

Sample Name: jb69557-2f 2 Acquired: 6/19/2014 21:27:03 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0870**	**.0002**	**.0005**	**.0006**	**.0012**	**.0007**	**1.313**	**.0013**	**-.0001**
Stddev	.0001	.0000	.0001	.0002	.0005	.0002	.001	.0002	.0003
%RSD	.1326	1.584	13.53	32.89	39.40	27.11	.0502	14.95	398.1
#1	.0871	.0002	.0006	.0008	.0009	.0006	1.313	.0014	.0001
#2	.0869	.0002	.0005	.0005	.0015	.0008	1.312	.0011	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0063**	**.0053**	**-.0003**	**.0039**	**.0027**	**-.0019**	**.0097**	**108.3**
Stddev	.0000	.0000	.0010	.0003	.0004	.0009	.0009	.0159	.1
%RSD	4.197	.0455	18.00	91.10	10.34	32.37	46.51	164.4	.1133
#1	.0007	.0063	.0046	-.0005	.0042	.0021	-.0013	-.0016	108.4
#2	.0007	.0063	.0060	-.0001	.0036	.0033	-.0025	.0210	108.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.115**	**26.66**	**8.976**	**66.03**	**.1527**	**.0019**	**-.0032**	**14.26**	**.0018**
Stddev	.005	.02	.021	.09	.0012	.0000	.0002	.00	.0002
%RSD	.2567	.0794	.2326	.1314	.7699	2.634	7.021	.0002	12.19
#1	2.119	26.65	8.991	66.09	.1535	.0019	-.0034	14.26	.0020
#2	2.111	26.68	8.961	65.97	.1518	.0018	-.0030	14.26	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5874**	**.0007**	**-.0195**	**.0001**	**7.445**	**.0005**	**.0454**
Stddev	.0009	.0000	.0010	.0001	.026	.0007	.0001
%RSD	.1606	.2207	5.135	103.7	.3519	137.9	.3060
#1	.5880	.0007	-.0203	.0001	7.427	.0000	.0453
#2	.5867	.0007	-.0188	.0000	7.464	.0010	.0455

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94931.**	**13260.**	**2139.8**	**6444.4**
Stddev	95.	25.	.5	9.0
%RSD	.09987	.18750	.02400	.13924
#1	94864.	13278.	2140.1	6450.7
#2	94998.	13243.	2139.4	6438.0

Zoom In Zoom Out

Sample Name: jb69557-3f Acquired: 6/19/2014 21:33:14 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0538**	**.0001**	**.0004**	**.0012**	**.0006**	**.0008**	**.3007**	**.0019**	**-.0005**
Stddev	.0002	.0000	.0000	.0004	.0001	.0002	.0004	.0001	.0006
%RSD	.2961	33.26	.7653	33.12	19.28	21.31	.1417	6.320	120.0
#1	.0540	.0002	.0004	.0014	.0006	.0006	.3010	.0020	-.0001
#2	.0537	.0001	.0004	.0009	.0007	.0009	.3004	.0018	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0083**	**.0031**	**-.0002**	**.0026**	**.0014**	**.0006**	**.0010**	**58.81**
Stddev	.0001	.0000	.0008	.0003	.0002	.0007	.0014	.0019	.17
%RSD	30.94	.4413	24.76	122.0	5.859	45.55	223.3	190.7	.2846
#1	.0004	.0083	.0025	.0000	.0025	.0019	-.0004	-.0003	58.69
#2	.0006	.0082	.0036	-.0004	.0027	.0010	.0016	.0023	58.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7376**	**6.012**	**4.851**	**39.01**	**.0591**	**.0046**	**-.0017**	**10.29**	**.0022**
Stddev	.0031	.019	.014	.07	.0002	.0000	.0014	.00	.0006
%RSD	.4140	.3117	.2837	.1690	.4084	.7932	85.74	.0204	28.56
#1	.7398	5.999	4.860	38.96	.0589	.0046	-.0027	10.29	.0018
#2	.7355	6.025	4.841	39.05	.0593	.0046	-.0007	10.29	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2371**	**.0007**	**-.0192**	**-.0007**	**4.325**	**.0001**	**.0074**
Stddev	.0006	.0000	.0001	.0001	.009	.0010	.0010
%RSD	.2350	3.562	.5625	7.807	.2180	1154.	14.06
#1	.2367	.0008	-.0193	-.0007	4.332	.0008	.0066
#2	.2375	.0007	-.0192	-.0006	4.319	-.0006	.0081

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97923.**	**13427.**	**2190.2**	**6697.7**
Stddev	110.	5.	1.3	1.7
%RSD	.11187	.03742	.05913	.02589
#1	97845.	13431.	2189.3	6698.9
#2	98000.	13423.	2191.1	6696.4

Zoom In Zoom Out

Sample Name: jb69309-9 2 Acquired: 6/19/2014 21:39:26 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.440**	**.0016**	**.0134**	**.0230**	**.3146**	**1.362**	**1.928**	**.1398**	**.0018**
Stddev	.007	.0000	.0002	.0001	.0008	.001	.000	.0009	.0001
%RSD	.2959	.2973	1.713	.2809	.2520	.0589	.0033	.6139	4.239
#1	2.435	.0016	.0133	.0231	.3152	1.362	1.928	.1392	.0017
#2	2.445	.0016	.0136	.0230	.3140	1.361	1.928	.1404	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0568**	**5.655**	**.0390**	**.0011**	**1.705**	**.0140**	**.2491**	**20.37**	**122.9**
Stddev	.0002	.003	.0028	.0010	.000	.0037	.0019	.06	.0
%RSD	.4197	.0468	7.215	88.43	.0210	26.03	.7630	.2727	.0294
#1	.0569	5.657	.0370	.0004	1.706	.0166	.2505	20.33	122.9
#2	.0566	5.653	.0409	.0018	1.705	.0114	.2478	20.41	122.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**81.68**	**15.33**	**8.248**	**12.76**	**.1918**	**.0164**	**-.0048**	**33.34**	**.1379**
Stddev	.21	.03	.035	.02	.0011	.0001	.0009	.08	.0013
%RSD	.2533	.2065	.4278	.1725	.5834	.8679	19.54	.2382	.9673
#1	81.82	15.36	8.273	12.74	.1910	.0163	-.0041	33.29	.1388
#2	81.53	15.31	8.223	12.78	.1925	.0165	-.0054	33.40	.1370

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6278**	**.5538**	**.0061**	**.0090**	**38.85**	**.0016**	**.0442**
Stddev	.0029	.0006	.0004	.0002	.03	.0005	.0011
%RSD	.4586	.1039	6.600	2.033	.0774	34.10	2.406
#1	.6258	.5534	.0058	.0091	38.88	.0012	.0434
#2	.6298	.5542	.0064	.0089	38.83	.0020	.0449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96014.**	**13144.**	**2154.3**	**6529.4**
Stddev	204.	113.	7.2	19.8
%RSD	.21273	.85873	.33377	.30364
#1	96159.	13065.	2159.4	6543.5
#2	95870.	13224.	2149.3	6515.4

Zoom In Zoom Out

Sample Name: mp80152-mb1 2 Acquired: 6/19/2014 21:45:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**.0001**	**.0000**	**.0003**	**.0001**	**.0000**	**-.0005**
Stddev	.0001	.000	.000	.0001	.0003	.0002	.0000	.001	.0001
%RSD	68.95	157.4	254.6	244.1	4577.	71.17	20.12	3727.	10.78
#1	.0000	.0000	-.0001	.0002	.0002	.0002	.0001	.0003	-.0005
#2	.0001	.0000	.0000	.0000	-.0002	.0005	.0001	-.0004	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0013**	**-.0013**	**.0008**	**.0001**	**.0030**	**.0002**	**.0068**	**.0201**
Stddev	.0000	.0001	.0002	.0002	.0004	.0019	.0001	.0144	.0003
%RSD	52.75	10.33	19.68	24.37	364.7	63.58	62.99	213.5	1.520
#1	.0000	.0012	-.0011	.0007	-.0002	.0017	.0002	.0170	.0203
#2	-.0001	.0014	-.0014	.0009	.0004	.0044	.0001	-.0034	.0199

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0074**	**.0158**	**-.0159**	**.0158**	**.0007**	**-.0012**	**.0017**	**.0320**	**-.0011**
Stddev	.0015	.0102	.0166	.0020	.0001	.0001	.0004	.0006	.0002
%RSD	20.21	64.75	104.3	12.68	8.611	6.975	21.68	1.853	16.86
#1	.0085	.0230	-.0042	.0172	.0007	-.0013	.0014	.0315	-.0009
#2	.0064	.0086	-.0276	.0144	.0007	-.0011	.0020	.0324	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**-.0200**	**-.0006**	**.0051**	**-.0015**	**-.0009**
Stddev	.0000	.0000	.0012	.0001	.0012	.0004	.0008
%RSD	23.05	12.25	6.173	21.61	24.38	24.33	87.88
#1	.0001	-.0001	-.0191	-.0005	.0060	-.0018	-.0015
#2	.0000	-.0001	-.0209	-.0007	.0042	-.0012	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102640.**	**13328.**	**2276.6**	**7190.4**
Stddev	84.	61.	5.4	21.8
%RSD	.08191	.45692	.23549	.30326
#1	102700.	13285.	2280.4	7205.8
#2	102580.	13371.	2272.8	7174.9

Zoom In Zoom Out

Sample Name: mp80152-lc1 Acquired: 6/19/2014 21:51:47 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5315**	**.5289**	**.5134**	**.5044**	**.5294**	**.4891**	**.5354**	**.5221**	**.1977**
Stddev	.0010	.0009	.0016	.0010	.0009	.0008	.0014	.0006	.0003
%RSD	.1938	.1750	.3143	.2032	.1633	.1688	.2603	.1132	.1445
#1	.5322	.5296	.5122	.5037	.5288	.4897	.5364	.5217	.1979
#2	.5308	.5283	.5145	.5052	.5300	.4885	.5344	.5225	.1975

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4779**	**.5377**	**.5164**	**.5400**	**.5270**	**.5543**	**.5055**	**5.192**	**5.823**
Stddev	.0002	.0000	.0003	.0002	.0005	.0031	.0003	.017	.001
%RSD	.0322	.0055	.0554	.0392	.0930	.5643	.0684	.3361	.0169
#1	.4780	.5377	.5166	.5398	.5274	.5521	.5052	5.204	5.823
#2	.4777	.5377	.5162	.5401	.5267	.5565	.5057	5.180	5.822

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.853**	**5.822**	**10.37**	**10.54**	**.0062**	**.5191**	**.0007**	**.0520**	**.0000**
Stddev	.001	.015	.00	.00	.0002	.0008	.0008	.0003	.000
%RSD	.0120	.2649	.0412	.0188	3.175	.1591	119.3	.6205	1718.
#1	5.852	5.812	10.37	10.54	.0063	.5185	.0012	.0522	-.0003
#2	5.853	5.833	10.37	10.54	.0061	.5197	.0001	.0518	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5221**	**-.0153**	**.0032**	**.0018**	**.0000**	**-.0006**
Stddev	.0000	.0017	.0010	.0003	.0002	.0001	.0019
%RSD	16.32	.3205	6.737	9.193	13.14	522.0	299.3
#1	-.0001	.5233	-.0146	.0035	.0020	.0001	.0007
#2	-.0001	.5209	-.0160	.0030	.0017	-.0001	-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101210.**	**13445.**	**2238.9**	**6969.5**
Stddev	79.	100.	5.3	13.7
%RSD	.07812	.74524	.23793	.19648
#1	101150.	13516.	2242.7	6979.2
#2	101260.	13374.	2235.1	6959.8

Zoom In Zoom Out

Sample Name: mp80152-s1 Acquired: 6/19/2014 21:57:52 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.181**	**.0529**	**.0521**	**.5253**	**.2083**	**.2649**	**2.528**	**.5404**	**.0512**
Stddev	.005	.0001	.0003	.0008	.0003	.0005	.004	.0018	.0002
%RSD	.2368	.1920	.5542	.1476	.1280	.1998	.1634	.3363	.4749
#1	2.177	.0528	.0519	.5248	.2085	.2653	2.531	.5391	.0513
#2	2.184	.0529	.0523	.5259	.2081	.2645	2.525	.5417	.0510

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4689**	**.5282**	**2.200**	**2.084**	**.5297**	**2.365**	**.5348**	**2.015**	**192.7**
Stddev	.0000	.0007	.007	.010	.0013	.008	.0021	.011	.1
%RSD	.0070	.1394	.3392	.4945	.2437	.3347	.3863	.5309	.0407
#1	.4689	.5276	2.195	2.077	.5288	2.359	.5334	2.007	192.8
#2	.4689	.5287	2.205	2.091	.5306	2.370	.5363	2.022	192.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.233**	**85.95**	**38.05**	**304.3**	**.5651**	**.0042**	**-.0065**	**8.346**	**.0033**
Stddev	.001	.06	.08	1.0	.0032	.0002	.0002	.022	.0004
%RSD	.0382	.0717	.2144	.3165	.5728	4.937	3.798	.2699	11.01
#1	1.233	85.91	38.00	303.6	.5628	.0043	-.0067	8.330	.0031
#2	1.232	86.00	38.11	305.0	.5674	.0040	-.0064	8.362	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4446**	**.0034**	**.0326**	**.0120**	**98.68**	**-.0004**	**.0034**
Stddev	.0006	.0002	.0016	.0001	.18	.0001	.0003
%RSD	.1324	7.318	4.952	.4946	.1778	14.78	8.831
#1	.4442	.0032	.0314	.0119	98.56	-.0003	.0032
#2	.4451	.0035	.0337	.0120	98.81	-.0004	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92143.**	**13018.**	**2036.2**	**5980.2**
Stddev	37.	28.	5.0	17.2
%RSD	.03990	.21387	.24689	.28731
#1	92117.	12998.	2039.7	5992.3
#2	92169.	13038.	2032.6	5968.0

Zoom In Zoom Out

Sample Name: mp80152-s2 Acquired: 6/19/2014 22:04:02 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.173**	**.0526**	**.0521**	**.5268**	**.2070**	**.2734**	**2.523**	**.5421**	**.0516**
Stddev	.003	.0005	.0001	.0011	.0003	.0001	.000	.0013	.0000
%RSD	.1378	.8711	.1140	.2044	.1626	.0461	.0085	.2320	.0507
#1	2.175	.0529	.0521	.5261	.2072	.2735	2.523	.5412	.0517
#2	2.171	.0523	.0521	.5276	.2068	.2733	2.523	.5430	.0516

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4708**	**.5347**	**2.202**	**2.116**	**.5302**	**2.356**	**.5316**	**2.001**	**187.4**
Stddev	.0004	.0015	.005	.005	.0019	.006	.0006	.007	1.0
%RSD	.0944	.2794	.2174	.2435	.3668	.2773	.1222	.3288	.5218
#1	.4704	.5337	2.199	2.113	.5288	2.351	.5321	1.996	188.1
#2	.4711	.5358	2.206	2.120	.5315	2.360	.5312	2.005	186.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.234**	**83.17**	**37.68**	**285.5**	**.5556**	**.0043**	**-.0069**	**8.161**	**.0021**
Stddev	.004	.49	.06	.9	.0016	.0000	.0012	.030	.0005
%RSD	.3504	.5938	.1698	.3301	.2840	.6077	17.10	.3636	23.76
#1	1.237	83.52	37.72	284.8	.5545	.0043	-.0078	8.140	.0018
#2	1.231	82.82	37.63	286.1	.5567	.0042	-.0061	8.182	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4318**	**.0029**	**.0433**	**.0114**	**97.77**	**-.0007**	**.0028**
Stddev	.0010	.0001	.0016	.0001	.21	.0004	.0015
%RSD	.2393	2.183	3.746	.9411	.2179	56.70	55.06
#1	.4326	.0028	.0422	.0113	97.62	-.0004	.0039
#2	.4311	.0029	.0445	.0115	97.92	-.0010	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91062.**	**13113.**	**2039.0**	**5979.7**
Stddev	65.	63.	2.5	5.3
%RSD	.07091	.48230	.12108	.08850
#1	91108.	13068.	2040.8	5983.4
#2	91016.	13157.	2037.3	5975.9

Zoom In Zoom Out

Sample Name: jb68948-2f Acquired: 6/19/2014 22:10:12 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1442**	**.0002**	**.0011**	**.0148**	**.0028**	**.0195**	**2.041**	**.0209**	**.0001**
Stddev	.0001	.0000	.0001	.0000	.0004	.0003	.001	.0001	.0004
%RSD	.0518	13.08	13.89	.1836	13.83	1.421	.0252	.5994	398.8
#1	.1442	.0002	.0012	.0148	.0025	.0197	2.040	.0208	.0004
#2	.1441	.0002	.0010	.0149	.0031	.0193	2.041	.0210	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0166**	**.0064**	**.0000**	**.0055**	**.0114**	**.0004**	**.0227**	**163.7**
Stddev	.0002	.0001	.0002	.002	.0002	.0000	.0003	.0077	.4
%RSD	8.689	.6288	3.856	7814.	3.244	.4036	61.11	33.70	.2406
#1	.0019	.0166	.0062	-.0016	.0056	.0114	.0006	.0173	163.9
#2	.0017	.0165	.0066	.0016	.0054	.0114	.0002	.0282	163.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2179**	**57.55**	**12.13**	**262.5**	**.5545**	**.0027**	**-.0053**	**8.155**	**.0021**
Stddev	.0029	.22	.02	3.0	.0006	.0000	.0005	.002	.0000
%RSD	1.310	.3738	.1610	1.143	.1134	1.116	10.29	.0217	1.453
#1	.2159	57.70	12.14	264.6	.5540	.0026	-.0049	8.156	.0021
#2	.2199	57.39	12.11	260.3	.5549	.0027	-.0057	8.154	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4336**	**.0018**	**.0381**	**.0090**	**97.36**	**.0008**	**.0027**
Stddev	.0009	.0000	.0007	.0000	.39	.0003	.0006
%RSD	.1971	2.181	1.721	.2867	.3954	35.80	22.00
#1	.4342	.0018	.0377	.0090	97.63	.0006	.0023
#2	.4330	.0018	.0386	.0091	97.09	.0010	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91476.**	**13168.**	**2057.6**	**6045.7**
Stddev	69.	84.	.3	6.9
%RSD	.07532	.64028	.01439	.11385
#1	91427.	13109.	2057.8	6050.6
#2	91525.	13228.	2057.4	6040.9

Zoom In Zoom Out

Sample Name: mp80152-sd1 Acquired: 6/19/2014 22:16:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0002**	**-.0002**	**.0005**	**-.0001**	**-.0010**	**.0000**	**.0017**	**-.0007**
Stddev	.000	.0000	.0000	.0000	.0001	.0002	.000	.0000	.0000
%RSD	407.5	6.417	11.23	3.269	134.4	19.84	36.86	.1799	4.887
#1	.0000	-.0002	-.0002	.0005	.0000	-.0012	.0000	.0017	-.0007
#2	-.0001	-.0002	-.0002	.0005	-.0001	-.0009	.0000	.0017	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0001**	**-.0015**	**.0038**	**.0012**	**-.0007**	**-.0027**	**.0026**	**-.0020**
Stddev	.0000	.0000	.0003	.0002	.0003	.0002	.0000	.0056	.0024
%RSD	.6530	24.26	19.31	4.771	25.80	20.50	1.306	215.0	118.4
#1	.0004	-.0001	-.0017	.0040	.0010	-.0009	-.0027	-.0014	-.0003
#2	.0004	-.0001	-.0013	.0037	.0014	-.0006	-.0027	.0066	-.0037

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0001**	**.0212**	**-.0385**	**-.0178**	**-.0020**	**-.0016**	**.0007**	**-.0145**	**-.0025**
Stddev	.0001	.0276	.0325	.0022	.0001	.0001	.0002	.0007	.0002
%RSD	81.18	130.0	84.49	12.44	4.763	5.041	21.87	4.666	9.943
#1	-.0002	.0017	-.0614	-.0162	-.0019	-.0016	.0009	-.0150	-.0027
#2	.0000	.0408	-.0155	-.0193	-.0021	-.0015	.0006	-.0141	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0224**	**-.0007**	**-.0053**	**.0015**	**.0002**
Stddev	.000	.0000	.0003	.0000	.0003	.0003	.0003
%RSD	214.8	7.293	1.416	3.685	5.702	18.28	180.3
#1	.0000	.0003	-.0222	-.0007	-.0055	.0013	.0004
#2	.0000	.0003	-.0226	-.0008	-.0050	.0017	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**243980.**	**21802.**	**6490.0**	**20277.**
Stddev	678.	290.	33.8	105.
%RSD	.27809	1.3286	.52071	.51696
#1	243500.	22006.	6513.9	20351.
#2	244460.	21597.	6466.1	20203.

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 22:22:50 Type: QC
Method: Accutest1(v177) 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	**2.011**	**2.046**	**2.051**	**2.068**	**2.050**	**2.043**	**2.194**	**2.111**	**.2650**
Stddev	.002	.001	.004	.004	.001	.004	.003	.003	.0009
%RSD	.0744	.0306	.1685	.1709	.0635	.2101	.1132	.1228	.3484
#1	2.012	2.047	2.049	2.066	2.049	2.040	2.192	2.109	.2644
#2	2.010	2.046	2.054	2.071	2.051	2.046	2.195	2.113	.2657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.088**	**2.042**	**2.136**	**2.092**	**2.045**	**2.016**	**38.03**	**38.71**
Stddev	.002	.003	.005	.001	.001	.004	.005	.00	.02
%RSD	.1098	.1543	.2605	.0591	.0325	.1760	.2517	.0042	.0557
#1	2.043	2.086	2.038	2.135	2.091	2.042	2.013	38.03	38.70
#2	2.047	2.091	2.046	2.137	2.092	2.047	2.020	38.03	38.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.72**	**38.03**	**39.40**	**38.53**	**2.058**	**2.038**	**2.108**	**5.014**	**2.118**
Stddev	.00	.10	.07	.00	.005	.005	.000	.010	.003
%RSD	.0003	.2522	.1667	.0077	.2505	.2459	.0038	.2035	.1594
#1	41.72	37.96	39.35	38.53	2.054	2.035	2.108	5.006	2.116
#2	41.72	38.10	39.44	38.53	2.062	2.042	2.108	5.021	2.120
Check ?	Chk Pass	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: 6/19/2014 22:22:50 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.952**	**2.162**	**1.826**	**2.006**	**2.000**	**1.993**	**2.015**
Stddev	.002	.003	.007	.002	.007	.004	.001
%RSD	.1106	.1502	.3677	.0988	.3413	.1938	.0467
#1	1.953	2.160	1.822	2.005	1.995	1.990	2.015
#2	1.950	2.165	1.831	2.008	2.005	1.995	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	**91892.**	**13308.**	**2167.8**	**6452.7**
Stddev	251.	62.	6.0	13.4
%RSD	.27324	.46695	.27819	.20789
#1	92069.	13352.	2172.0	6462.2
#2	91714.	13264.	2163.5	6443.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 22:28:52 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0002**	**.0006**	**.0002**	**.0007**	**.0003**	**.0004**
Stddev	.0000	.0000	.0001	.0001	.0001	.0002	.0000	.0002
%RSD	8.071	3.836	32.58	21.24	34.91	25.40	10.56	58.61
#1	.0003	.0002	.0003	.0005	.0003	.0006	.0003	.0006
#2	.0003	.0002	.0002	.0007	.0002	.0008	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0002**	**.0002**	**.0000**	**.0007**	**-.0008**	**.0026**	**.0003**
Stddev	.0004	.0001	.0001	.000	.0007	.0007	.0016	.0005
%RSD	86.67	32.98	47.43	556.3	98.67	86.50	60.78	157.9
#1	-.0002	.0002	.0003	.0001	.0002	-.0003	.0037	.0006
#2	-.0007	.0002	.0002	-.0001	.0012	-.0012	.0015	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**.0050**	**.0069**	**.0199**	**-.0089**	**.0288**	**.0020**	**.0006**
Stddev	.0051	.0006	.0020	.0127	.0472	.0036	.0002	.0003
%RSD	41.48	11.65	28.89	63.97	528.5	12.66	9.462	41.16
#1	.0160	.0054	.0084	.0109	.0244	.0314	.0019	.0008
#2	.0087	.0046	.0055	.0289	-.0423	.0262	.0021	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 22:28:52 Type: QC
Method: Accutest1(v177) 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**	**.0048**	**-.0004**	**.0004**	**.0005**	F **-.0178**	**-.0006**	**.0011**
Stddev	.0011	.0003	.0012	.0000	.0004	.0001	.0001	.0005
%RSD	198.8	5.601	294.3	5.697	76.85	.6618	11.22	41.91
#1	-.0002	.0049	.0005	.0004	.0002	-.0179	-.0005	.0008
#2	.0013	.0046	-.0013	.0004	.0007	-.0177	-.0006	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**.0011**
Stddev	.0001	.0001
%RSD	24.34	13.07
#1	.0007	.0010
#2	.0005	.0012
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97196.**	**13393.**	**2244.2**	**7037.0**
Stddev	144.	3.	8.7	16.9
%RSD	.14860	.02182	.38960	.24025
#1	97094.	13391.	2250.4	7049.0
#2	97298.	13395.	2238.0	7025.1

Zoom In Zoom Out

Sample Name: jb68948-1f Acquired: 6/19/2014 22:35:11 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0864**	**.0001**	**.0006**	**.0015**	**.0016**	**.0044**	**1.155**	**.0033**	**-.0001**
Stddev	.0001	.0000	.0003	.0003	.0001	.0002	.003	.0000	.0007
%RSD	.1142	19.96	44.28	17.19	5.980	3.585	.2466	.6441	915.0
#1	.0863	.0002	.0008	.0013	.0016	.0045	1.153	.0033	.0004
#2	.0865	.0001	.0004	.0016	.0015	.0043	1.157	.0033	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0066**	**.0020**	**.0028**	**.0013**	**-.0046**	**-.0003**	**.0136**	**124.9**
Stddev	.0002	.0001	.0006	.0014	.0010	.0002	.0009	.0051	.3
%RSD	13.40	1.474	29.70	52.48	78.62	4.895	343.9	37.45	.2119
#1	.0019	.0067	.0024	.0017	.0006	-.0044	.0004	.0171	124.7
#2	.0016	.0065	.0016	.0038	.0020	-.0047	-.0009	.0100	125.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0241**	**55.50**	**5.073**	**69.13**	**.1675**	**.0030**	**-.0034**	**8.412**	**.0027**
Stddev	.0008	.23	.007	.09	.0005	.0003	.0008	.030	.0006
%RSD	3.228	.4166	.1403	.1340	.3098	11.28	23.93	.3565	24.32
#1	.0236	55.34	5.068	69.07	.1672	.0027	-.0028	8.391	.0022
#2	.0247	55.66	5.078	69.20	.1679	.0032	-.0040	8.433	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4197**	**.0018**	**.0405**	**.0051**	**47.51**	**.0006**	**.0050**
Stddev	.0003	.0004	.0019	.0002	.21	.0001	.0002
%RSD	.0741	19.57	4.692	3.899	.4431	22.92	4.564
#1	.4195	.0021	.0392	.0050	47.36	.0007	.0049
#2	.4199	.0016	.0419	.0053	47.66	.0005	.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93209.**	**13320.**	**2090.4**	**6302.4**
Stddev	285.	49.	5.0	13.1
%RSD	.30553	.36509	.24044	.20758
#1	93410.	13355.	2094.0	6311.7
#2	93007.	13286.	2086.9	6293.2

Zoom In Zoom Out

Sample Name: jb68948-3f Acquired: 6/19/2014 22:41:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0815**	**.0001**	**.0005**	**.0020**	**.0009**	**.0027**	**1.675**	**.0035**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0002	.0000	.031	.0000	.0000
%RSD	.0964	33.82	20.99	1.725	17.92	.4435	1.839	1.298	46.32
#1	.0814	.0001	.0004	.0019	.0008	.0027	1.697	.0034	-.0001
#2	.0815	.0001	.0006	.0020	.0011	.0027	1.654	.0035	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0084**	**.0023**	**-.0002**	**.0005**	**.0066**	**-.0006**	**.0200**	**122.0**
Stddev	.0002	.0002	.0000	.0011	.0005	.0011	.0005	.0001	.3
%RSD	11.29	2.200	2.042	636.7	107.9	17.00	83.08	.4753	.2355
#1	.0015	.0085	.0023	-.0010	.0001	.0074	-.0009	.0201	121.8
#2	.0018	.0082	.0023	.0006	.0008	.0058	-.0002	.0199	122.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0082**	**39.86**	**5.106**	**48.99**	**.1387**	**.0055**	**-.0041**	**8.745**	**.0021**
Stddev	.0005	.06	.001	.03	.0006	.0003	.0010	.004	.0002
%RSD	6.358	.1574	.0176	.0639	.4269	4.870	25.80	.0478	10.45
#1	.0086	39.82	5.105	48.97	.1383	.0053	-.0033	8.748	.0023
#2	.0078	39.91	5.107	49.02	.1391	.0057	-.0048	8.742	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4019**	**.0016**	**.0708**	**.0043**	**38.48**	**.0011**	**.0045**
Stddev	.0004	.0003	.0019	.0001	.04	.0002	.0001
%RSD	.1011	15.44	2.740	1.620	.1153	21.52	2.281
#1	.4016	.0015	.0694	.0042	38.44	.0010	.0046
#2	.4022	.0018	.0722	.0043	38.51	.0013	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95336.**	**13396.**	**2111.3**	**6416.4**
Stddev	1464.	46.	2.4	8.5
%RSD	1.5352	.34165	.11494	.13291
#1	94301.	13428.	2113.0	6422.4
#2	96371.	13364.	2109.6	6410.4

Zoom In Zoom Out

Sample Name: jb68948-4f Acquired: 6/19/2014 22:47:36 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0899**	**.0000**	**.0006**	**.0010**	**.0010**	**.0017**	**.0204**	**.0038**	**-.0002**
Stddev	.0002	.0000	.0000	.0001	.0001	.0002	.0001	.0001	.0002
%RSD	.2220	31.08	1.471	10.22	9.196	9.530	.7287	1.533	67.47
#1	.0901	.0000	.0006	.0011	.0010	.0016	.0205	.0038	-.0004
#2	.0898	.0000	.0006	.0009	.0011	.0018	.0203	.0038	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0058**	**.0005**	**.0009**	**.0007**	**-.0021**	**-.0026**	**.0042**	**71.89**
Stddev	.0000	.0000	.0003	.0008	.0004	.0006	.0011	.0010	.04
%RSD	9.416	.0434	53.38	82.15	58.04	28.08	42.73	24.08	.0578
#1	.0004	.0058	.0003	.0015	.0010	-.0026	-.0034	.0049	71.86
#2	.0004	.0058	.0007	.0004	.0004	-.0017	-.0018	.0035	71.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0071**	**18.13**	**3.691**	**61.77**	**.0773**	**.0021**	**-.0018**	**6.173**	**.0026**
Stddev	.0021	.04	.012	.00	.0007	.0000	.0009	.002	.0003
%RSD	29.50	.2234	.3142	.0036	.9647	2.394	52.14	.0364	10.38
#1	.0056	18.16	3.683	61.77	.0779	.0021	-.0024	6.172	.0028
#2	.0086	18.10	3.699	61.77	.0768	.0020	-.0011	6.175	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2526**	**.0011**	**.0225**	**.0010**	**8.769**	**.0005**	**.0034**
Stddev	.0001	.0001	.0009	.0000	.014	.0006	.0004
%RSD	.0505	12.46	3.890	.1276	.1535	109.6	10.38
#1	.2525	.0012	.0219	.0010	8.759	.0001	.0037
#2	.2527	.0010	.0231	.0010	8.779	.0010	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95646.**	**13580.**	**2137.3**	**6485.5**
Stddev	43.	27.	3.1	14.4
%RSD	.04470	.19999	.14369	.22167
#1	95616.	13560.	2139.5	6495.7
#2	95677.	13599.	2135.2	6475.3

Zoom In Zoom Out

Sample Name: jb68948-5f Acquired: 6/19/2014 22:53:50 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0846**	**.0000**	**.0006**	**.0012**	**.0008**	**.0035**	**1.124**	**.0026**	**-.0003**
Stddev	.0000	.0000	.0001	.0001	.0002	.0006	.001	.0001	.0001
%RSD	.0268	68.75	9.746	4.525	20.84	16.59	.0889	4.152	24.93
#1	.0846	.0001	.0006	.0012	.0007	.0039	1.125	.0026	-.0004
#2	.0846	.0000	.0007	.0013	.0010	.0031	1.123	.0027	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0048**	**-.0014**	**.0004**	**.0019**	**.0030**	**-.0011**	**.0135**	**127.6**
Stddev	.0001	.0001	.0001	.0024	.0010	.0019	.0004	.0001	.0
%RSD	7.957	2.358	9.638	580.8	52.68	61.55	31.40	.7110	.0129
#1	.0014	.0048	-.0013	-.0013	.0026	.0017	-.0014	.0134	127.6
#2	.0012	.0047	-.0014	.0021	.0012	.0043	-.0009	.0135	127.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0045**	**56.30**	**5.102**	**69.03**	**.1677**	**.0009**	**-.0048**	**8.430**	**.0027**
Stddev	.0009	.03	.009	.11	.0003	.0002	.0012	.008	.0003
%RSD	20.60	.0593	.1685	.1622	.1833	18.63	25.57	.0914	11.55
#1	.0051	56.27	5.096	68.95	.1679	.0010	-.0056	8.425	.0029
#2	.0038	56.32	5.108	69.11	.1675	.0007	-.0039	8.436	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4263**	**.0007**	**-.0160**	**.0035**	**48.02**	**.0004**	**.0056**
Stddev	.0007	.0001	.0001	.0001	.12	.0004	.0004
%RSD	.1534	19.27	.4688	3.419	.2578	104.0	7.133
#1	.4258	.0006	-.0160	.0036	47.93	.0007	.0053
#2	.4268	.0008	-.0159	.0034	48.10	.0001	.0059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94366.**	**13328.**	**2082.2**	**6308.5**
Stddev	108.	41.	3.5	8.4
%RSD	.11465	.31121	.16783	.13351
#1	94442.	13299.	2084.7	6314.5
#2	94289.	13357.	2079.7	6302.6

Zoom In Zoom Out

Sample Name: jb68948-6f Acquired: 6/19/2014 23:00:02 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0002**	**.0001**	**.0001**	**.0004**	**.0003**	**-.0004**
Stddev	.0002	.0000	.0001	.0000	.0001	.0001	.0000	.0002	.0002
%RSD	90.05	25.89	1221.	5.252	136.9	83.07	3.755	52.68	63.19
#1	.0001	-.0001	-.0001	.0002	.0000	.0000	.0004	.0005	-.0002
#2	.0003	-.0001	.0001	.0003	.0002	.0001	.0004	.0002	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0021**	**-.0009**	**.0015**	**-.0003**	**.0025**	**-.0006**	**.0044**	**.0438**
Stddev	.0001	.0000	.0003	.0005	.0009	.0003	.0011	.0096	.0038
%RSD	76.12	1.805	31.72	33.62	305.5	13.22	177.9	215.6	8.723
#1	-.0001	.0021	-.0011	.0011	-.0009	.0022	-.0013	.0112	.0465
#2	-.0002	.0022	-.0007	.0019	.0003	.0027	.0002	-.0023	.0411

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0154**	**.0348**	**-.0473**	**.0254**	**.0002**	**-.0011**	**.0017**	**.0279**	**-.0008**
Stddev	.0006	.0151	.0148	.0035	.0004	.0000	.0001	.0004	.0003
%RSD	3.925	43.47	31.32	13.56	162.0	1.120	4.241	1.340	35.30
#1	.0159	.0241	-.0578	.0230	.0005	-.0012	.0017	.0281	-.0006
#2	.0150	.0455	-.0368	.0279	.0000	-.0011	.0018	.0276	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**-.0222**	**-.0007**	**.0077**	**-.0002**	**-.0005**
Stddev	.0000	.0000	.0011	.0000	.0010	.0008	.0009
%RSD	1.435	7.567	5.172	5.577	13.50	424.8	183.7
#1	.0001	.0005	-.0214	-.0007	.0070	-.0007	-.0011
#2	.0001	.0005	-.0230	-.0006	.0085	.0004	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102400.**	**13450.**	**2228.3**	**7076.2**
Stddev	397.	11.	2.8	7.1
%RSD	.38735	.08318	.12412	.09982
#1	102680.	13442.	2226.4	7071.2
#2	102110.	13458.	2230.3	7081.2

Zoom In Zoom Out

Sample Name: jb69123-7 Acquired: 6/19/2014 23:06:20 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**-.0001**	**.0002**	**.0003**	**-.0001**	**.0001**	**-.0001**	**-.0003**
Stddev	.0000	.0001	.0000	.0002	.0001	.0001	.0000	.0000	.0000
%RSD	85.69	122.1	20.44	113.1	26.21	96.87	.9728	21.66	9.807
#1	.0000	-.0001	-.0001	.0003	.0002	-.0002	.0001	-.0001	-.0003
#2	.0001	.0000	-.0001	.0000	.0003	.0000	.0001	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0008**	**.0000**	**-.0013**	**-.0001**	**.0034**	**-.0001**	**.0033**	**.0250**
Stddev	.0003	.0000	.001	.0003	.0008	.0017	.0002	.0007	.0001
%RSD	167.8	1.737	3434.	26.75	958.1	49.64	299.8	20.48	.2442
#1	.0000	.0008	-.0006	-.0010	-.0007	.0022	.0001	.0037	.0249
#2	-.0003	.0008	.0005	-.0015	.0005	.0046	-.0002	.0028	.0250

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0022**	**.0290**	**-.0448**	**.0167**	**-.0006**	**-.0012**	**.0008**	**.0301**	**-.0007**
Stddev	.0032	.0180	.0283	.0026	.0002	.0001	.0010	.0003	.0013
%RSD	142.6	62.13	63.21	15.34	40.95	9.987	125.9	.9746	197.8
#1	.0000	.0417	-.0248	.0149	-.0004	-.0012	.0014	.0304	.0003
#2	.0045	.0163	-.0648	.0185	-.0007	-.0011	.0001	.0299	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0224**	**-.0007**	**.0069**	**.0002**	**-.0003**
Stddev	.0000	.0003	.0006	.0000	.0022	.0002	.0013
%RSD	36.65	540.6	2.707	4.467	31.76	86.16	467.0
#1	.0001	-.0001	-.0228	-.0006	.0085	.0001	.0006
#2	.0002	.0002	-.0219	-.0007	.0054	.0003	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100610.**	**13335.**	**2196.3**	**6972.6**
Stddev	120.	29.	3.8	9.1
%RSD	.11882	.21869	.17497	.13099
#1	100530.	13355.	2199.1	6979.0
#2	100700.	13314.	2193.6	6966.1

Zoom In Zoom Out

Sample Name: jb69250-1 Acquired: 6/19/2014 23:12:37 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1228**	**.0003**	**.0006**	**.0010**	**.0044**	**.0032**	**.0926**	**.0032**	**-.0002**
Stddev	.0004	.0000	.0001	.0000	.0005	.0001	.0001	.0002	.0000
%RSD	.3452	4.135	8.404	4.321	11.10	1.883	.1084	4.900	8.338
#1	.1225	.0003	.0007	.0011	.0047	.0033	.0926	.0033	-.0002
#2	.1231	.0003	.0006	.0010	.0041	.0032	.0925	.0031	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0065**	**.0127**	**.0018**	**-.0045**	**.0054**	**.0039**	**-.0011**	**1.960**	**50.34**
Stddev	.0001	.0003	.0004	.0013	.0005	.0006	.0008	.006	.02
%RSD	1.293	2.140	22.38	29.59	8.583	15.83	69.74	.2860	.0435
#1	.0065	.0125	.0015	-.0054	.0051	.0034	-.0017	1.964	50.36
#2	.0064	.0129	.0020	-.0035	.0057	.0043	-.0006	1.956	50.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.623**	**8.840**	**16.22**	**39.19**	**.2052**	**.0157**	**-.0001**	**10.87**	**.0020**
Stddev	.001	.001	.01	.03	.0003	.0002	.0017	.02	.0011
%RSD	.0658	.0147	.0802	.0838	.1631	1.304	1496.	.1951	54.50
#1	1.624	8.841	16.21	39.21	.2049	.0158	-.0013	10.86	.0028
#2	1.623	8.839	16.23	39.16	.2054	.0155	.0011	10.89	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2216**	**.0615**	**-.0248**	**.0013**	**15.47**	**-.0004**	**.0105**
Stddev	.0001	.0002	.0007	.0001	.01	.0005	.0004
%RSD	.0300	.2621	2.658	5.534	.0613	122.3	3.875
#1	.2217	.0613	-.0243	.0013	15.48	-.0001	.0108
#2	.2216	.0616	-.0252	.0014	15.47	-.0008	.0102

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97356.**	**13353.**	**2139.3**	**6552.8**
Stddev	240.	7.	3.0	15.6
%RSD	.24654	.05382	.14112	.23792
#1	97186.	13358.	2141.4	6563.9
#2	97526.	13348.	2137.1	6541.8

Zoom In Zoom Out

Sample Name: jb69250-2 Acquired: 6/19/2014 23:18:49 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3867**	**.0003**	**.0006**	**.0006**	**.0023**	**.0025**	**.1286**	**.0018**	**.0000**
Stddev	.0007	.0001	.0003	.0000	.0001	.0002	.0000	.0001	.001
%RSD	.1754	22.75	55.64	1.647	4.203	9.200	.0186	3.508	1207.
#1	.3872	.0002	.0009	.0006	.0023	.0026	.1286	.0017	.0003
#2	.3863	.0003	.0004	.0006	.0024	.0023	.1286	.0018	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.0082**	**.0003**	**-.0002**	**.0024**	**.0072**	**-.0011**	**.2960**	**178.2**
Stddev	.0000	.0001	.0001	.0008	.0015	.0001	.0015	.0040	.3
%RSD	.5984	1.422	40.62	446.2	60.68	1.439	137.8	1.350	.1794
#1	.0033	.0081	.0004	.0004	.0035	.0071	-.0021	.2988	178.4
#2	.0033	.0083	.0002	-.0007	.0014	.0073	.0000	.2932	177.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1918**	**37.38**	**16.21**	**115.7**	**.2122**	**.0026**	**-.0044**	**11.43**	**.0034**
Stddev	.0001	.02	.01	.1	.0007	.0001	.0003	.01	.0003
%RSD	.0456	.0591	.0391	.1155	.3198	3.566	6.023	.0527	10.15
#1	.1918	37.40	16.20	115.8	.2117	.0026	-.0046	11.43	.0031
#2	.1919	37.37	16.21	115.6	.2126	.0027	-.0042	11.44	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.592**	**.0108**	**-.0250**	**.0025**	**37.74**	**.0002**	**.0332**
Stddev	.002	.0003	.0008	.0003	.06	.0001	.0008
%RSD	.1262	2.718	3.276	10.97	.1563	67.77	2.317
#1	1.594	.0106	-.0244	.0023	37.70	.0002	.0327
#2	1.591	.0110	-.0256	.0027	37.78	.0001	.0338

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92311.**	**13154.**	**2046.6**	**6149.2**
Stddev	133.	35.	4.5	12.7
%RSD	.14393	.26955	.22121	.20572
#1	92405.	13129.	2049.8	6158.2
#2	92217.	13179.	2043.4	6140.3

Zoom In Zoom Out

Sample Name: jb69250-3 Acquired: 6/19/2014 23:25:04 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5743**	**.0002**	**.0004**	**.0025**	**.0013**	**.0023**	**1.334**	**.0040**	**.0002**
Stddev	.0002	.0000	.0000	.0006	.0001	.0002	.001	.0002	.0002
%RSD	.0350	11.03	2.950	23.29	10.42	10.53	.0497	4.008	106.0
#1	.5744	.0002	.0004	.0029	.0014	.0025	1.334	.0038	.0003
#2	.5742	.0002	.0004	.0021	.0012	.0022	1.335	.0041	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0079**	**.0025**	**-.0014**	**.0020**	**.0052**	**-.0019**	**.0609**	**316.8**
Stddev	.0002	.0001	.0013	.0003	.0009	.0012	.0002	.0018	.6
%RSD	15.86	.7629	51.97	19.21	44.46	22.17	8.623	2.939	.1897
#1	.0013	.0080	.0034	-.0016	.0027	.0060	-.0017	.0596	317.2
#2	.0016	.0079	.0016	-.0012	.0014	.0044	-.0020	.0621	316.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.085**	**57.87**	**15.45**	**109.1**	**.2519**	**.0034**	**-.0098**	**14.77**	**.0029**
Stddev	.007	.13	.03	.2	.0016	.0000	.0003	.05	.0003
%RSD	.6567	.2209	.1657	.1396	.6231	1.326	3.010	.3261	11.16
#1	1.090	57.96	15.47	109.2	.2508	.0033	-.0100	14.74	.0031
#2	1.080	57.78	15.43	109.0	.2530	.0034	-.0096	14.81	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.464**	**.0044**	**-.0259**	**.0002**	**16.98**	**.0001**	**.0771**
Stddev	.002	.0003	.0005	.0000	.17	.0009	.0003
%RSD	.1022	7.745	1.868	1.531	.9979	901.0	.3991
#1	1.465	.0046	-.0256	.0002	16.86	.0008	.0769
#2	1.463	.0041	-.0263	.0002	17.10	-.0006	.0774

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91153.**	**13111.**	**2011.8**	**5982.3**
Stddev	85.	22.	3.2	6.3
%RSD	.09332	.16573	.15752	.10478
#1	91213.	13096.	2014.0	5986.7
#2	91093.	13127.	2009.5	5977.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 23:31:23 Type: QC
Method: Accutest1(v177) 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	**2.043**	**2.070**	**2.051**	**2.063**	**2.058**	**2.019**	**2.086**	**2.077**	**.2491**
Stddev	.005	.000	.003	.003	.002	.002	.002	.003	.0009
%RSD	.2331	.0105	.1203	.1438	.0899	.0874	.0726	.1493	.3530
#1	2.040	2.071	2.049	2.061	2.057	2.020	2.085	2.075	.2497
#2	2.047	2.070	2.053	2.065	2.060	2.017	2.087	2.079	.2485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.081**	**2.042**	**2.131**	**2.068**	**2.068**	**2.045**	**40.01**	**40.66**
Stddev	.001	.002	.002	.009	.003	.006	.004	.09	.03
%RSD	.0682	.1071	.1000	.4240	.1594	.3085	.2000	.2203	.0629
#1	2.025	2.079	2.041	2.124	2.066	2.064	2.042	39.95	40.64
#2	2.027	2.082	2.044	2.137	2.070	2.073	2.048	40.08	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	**40.52**	**40.01**	**40.32**	**40.19**	**2.070**	**2.065**	**2.020**	**5.110**	**2.091**
Stddev	.01	.11	.04	.05	.005	.003	.000	.002	.003
%RSD	.0189	.2829	.0988	.1281	.2490	.1536	.0077	.0447	.1399
#1	40.52	39.93	40.29	40.15	2.066	2.062	2.020	5.109	2.089
#2	40.51	40.09	40.35	40.22	2.074	2.067	2.020	5.112	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/19/2014 23:31:23 Type: QC
Method: Accutest1(v177) 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	**2.052**	**2.052**	**1.845**	**2.027**	**2.054**	**2.025**	**2.010**
Stddev	.004	.002	.008	.000	.001	.004	.001
%RSD	.2041	.0768	.4464	.0166	.0442	.1898	.0660
#1	2.049	2.051	1.839	2.026	2.055	2.023	2.009
#2	2.055	2.053	1.851	2.027	2.053	2.028	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95321.**	**13220.**	**2137.5**	**6440.5**
Stddev	212.	56.	1.7	7.8
%RSD	.22232	.41994	.07957	.12059
#1	95471.	13260.	2138.7	6446.0
#2	95171.	13181.	2136.3	6435.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 23:37:27 Type: QC
Method: Accutest1(v177) 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	**.0007**	**.0008**	**.0003**	**.0003**	**.0005**	**.0006**	**.0007**	**.0006**
Stddev	.0002	.0001	.0002	.0003	.0002	.0002	.0000	.0000
%RSD	24.80	17.48	52.83	83.34	44.62	36.74	1.865	4.606
#1	.0008	.0009	.0004	.0005	.0003	.0008	.0007	.0006
#2	.0006	.0007	.0002	.0001	.0006	.0005	.0007	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0005**	**.0002**	**-.0007**	**.0010**	**.0006**	**.0018**	**-.0012**
Stddev	.0001	.0001	.0001	.0009	.0006	.0003	.0034	.0008
%RSD	46.20	21.12	60.66	124.5	62.67	52.16	188.4	64.85
#1	-.0002	.0006	.0003	-.0001	.0006	.0008	.0042	-.0007
#2	-.0003	.0004	.0001	-.0014	.0015	.0004	-.0006	-.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0162**	**.0312**	F **.0185**	**.0228**	**.0034**	**.0353**	**.0015**	**.0005**
Stddev	.0085	.0020	.0021	.0008	.0284	.0104	.0006	.0004
%RSD	52.72	6.564	11.53	3.620	831.1	29.37	38.28	81.25
#1	.0102	.0327	.0200	.0222	.0235	.0426	.0020	.0007
#2	.0222	.0298	.0170	.0234	-.0167	.0280	.0011	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/19/2014 23:37:27 Type: QC
Method: Accutest1(v177) 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**	**.0056**	**-.0009**	**.0009**	**.0005**	F **-.0182**	**-.0003**	**.0022**
Stddev	.0008	.0004	.0008	.0001	.0001	.0008	.0001	.0015
%RSD	39.07	7.694	79.51	8.105	24.94	4.646	22.59	66.18
#1	.0015	.0052	-.0004	.0010	.0004	-.0176	-.0003	.0012
#2	.0026	.0059	-.0015	.0009	.0005	-.0188	-.0004	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0002**	**.0012**
Stddev	.0001	.0007
%RSD	35.94	56.01
#1	.0001	.0007
#2	.0002	.0017
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100320.**	**13300.**	**2214.3**	**7007.8**
Stddev	318.	64.	4.2	15.9
%RSD	.31747	.48062	.18914	.22696
#1	100540.	13345.	2217.3	7019.1
#2	100090.	13255.	2211.4	6996.6

Zoom In Zoom Out

Sample Name: jb69250-4 Acquired: 6/19/2014 23:43:45 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0002**	**.0000**	**.0002**	**.0001**	**.0004**	**.0003**	**.0002**	**-.0003**
Stddev	.0002	.0000	.0000	.0000	.0002	.0002	.0000	.0003	.0002
%RSD	53.27	30.08	191.5	17.48	152.2	55.39	3.211	118.9	70.58
#1	.0002	.0002	.0000	.0003	.0003	.0002	.0003	.0000	-.0002
#2	.0004	.0001	.0000	.0002	.0000	.0005	.0003	.0004	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0019**	**-.0001**	**-.0001**	**-.0004**	**.0028**	**-.0004**	**.0117**	**.0361**
Stddev	.0001	.0002	.0005	.0009	.0002	.0005	.0003	.0037	.0024
%RSD	76.05	8.191	377.5	712.0	65.77	17.04	71.78	31.89	6.730
#1	.0002	.0020	-.0005	-.0008	-.0002	.0025	-.0002	.0091	.0378
#2	.0001	.0018	.0002	.0005	-.0006	.0032	-.0006	.0143	.0344

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0078**	**.0162**	**-.0357**	**.0430**	**.0009**	**-.0007**	**.0015**	**.0289**	**-.0004**
Stddev	.0008	.0082	.0206	.0024	.0003	.0001	.0002	.0008	.0012
%RSD	10.72	51.06	57.62	5.572	35.49	6.818	16.28	2.818	338.8
#1	.0072	.0220	-.0212	.0446	.0011	-.0008	.0013	.0295	.0005
#2	.0084	.0103	-.0503	.0413	.0007	-.0007	.0017	.0284	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0002**	**-.0200**	**.0000**	**.0051**	**.0001**	**-.0002**
Stddev	.0000	.0003	.0004	.000	.0006	.0003	.0003
%RSD	12.61	156.4	2.144	3.478	11.19	477.0	109.7
#1	.0003	.0000	-.0197	.0000	.0047	-.0001	-.0004
#2	.0002	.0005	-.0203	.0000	.0055	.0003	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100840.**	**13498.**	**2220.9**	**7042.7**
Stddev	327.	81.	6.0	12.7
%RSD	.32397	.60183	.26829	.18089
#1	101070.	13556.	2225.1	7051.7
#2	100610.	13441.	2216.7	7033.7

Zoom In Zoom Out

Sample Name: jb69250-5 Acquired: 6/19/2014 23:50:01 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2296**	**.0005**	**.0007**	**.0019**	**.0032**	**.0061**	**2.492**	**.0049**	**.0000**
Stddev	.0007	.0001	.0001	.0001	.0000	.0005	.000	.0001	.000
%RSD	.3162	20.17	15.93	2.845	.0819	8.051	.0171	1.258	209.5
#1	.2301	.0006	.0007	.0020	.0032	.0065	2.492	.0049	-.0001
#2	.2291	.0004	.0006	.0019	.0032	.0058	2.492	.0048	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0159**	**.0017**	**-.0060**	**.0025**	**.0021**	**.0009**	**1.076**	**252.9**
Stddev	.0002	.0001	.0005	.0006	.0008	.0005	.0005	.008	1.4
%RSD	3.509	.5936	27.72	10.82	33.06	22.77	52.64	.7772	.5453
#1	.0052	.0160	.0014	-.0055	.0019	.0018	.0013	1.082	252.0
#2	.0055	.0158	.0020	-.0064	.0031	.0025	.0006	1.070	253.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.571**	**37.14**	**28.34**	**494.9**	**.2905**	**.0124**	**-.0080**	**12.19**	**.0023**
Stddev	.007	.01	.05	3.1	.0011	.0001	.0009	.03	.0008
%RSD	.4516	.0229	.1787	.6307	.3619	.8338	11.12	.2295	37.03
#1	1.566	37.15	28.38	497.1	.2897	.0123	-.0074	12.17	.0029
#2	1.576	37.14	28.31	492.7	.2912	.0124	-.0087	12.21	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.234**	**.0384**	**-.0229**	**.0061**	**63.28**	**.0010**	**.0305**
Stddev	.004	.0007	.0006	.0000	.26	.0008	.0007
%RSD	.2994	1.849	2.559	.3447	.4086	78.43	2.372
#1	1.237	.0379	-.0233	.0061	63.10	.0016	.0311
#2	1.232	.0389	-.0225	.0061	63.46	.0005	.0300

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87705.**	**12974.**	**1959.0**	**5661.4**
Stddev	103.	60.	3.6	9.2
%RSD	.11795	.46410	.18572	.16192
#1	87778.	13017.	1961.6	5667.8
#2	87632.	12932.	1956.5	5654.9

Zoom In Zoom Out

Sample Name: jb69285-4 Acquired: 6/19/2014 23:56:25 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1011**	**.0020**	**.0002**	**.0070**	**.0113**	**.0285**	**.1662**	**.0396**	**.0004**
Stddev	.0000	.0000	.0005	.0001	.0001	.0003	.0001	.0003	.0004
%RSD	.0443	1.080	200.7	2.033	1.287	1.111	.0684	.8745	87.48
#1	.1011	.0020	.0006	.0071	.0114	.0283	.1662	.0394	.0007
#2	.1012	.0020	-.0001	.0069	.0112	.0287	.1661	.0399	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0072**	**.1228**	**.0140**	**.0053**	**.0003**	**.0094**	**.0056**	**3.234**	**783.8**
Stddev	.0005	.0000	.0008	.0012	.0004	.0020	.0012	.001	.7
%RSD	6.828	.0340	5.414	22.31	113.3	21.39	20.66	.0344	.0880
#1	.0068	.1228	.0135	.0045	.0001	.0108	.0065	3.234	784.3
#2	.0075	.1229	.0146	.0061	.0006	.0080	.0048	3.235	783.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.290**	**36.90**	**15.84**	**158.2**	**.6298**	**.0060**	**-.0237**	**27.66**	**.0045**
Stddev	.004	.11	.01	.7	.0011	.0001	.0010	.15	.0002
%RSD	.1579	.2902	.0383	.4619	.1733	1.198	4.320	.5388	5.163
#1	2.288	36.82	15.84	157.7	.6290	.0060	-.0230	27.55	.0043
#2	2.293	36.98	15.85	158.7	.6306	.0059	-.0244	27.76	.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.558**	**.1519**	**.0388**	**.0406**	**15.11**	**.0007**	**.0399**
Stddev	.000	.0002	.0069	.0017	.05	.0004	.0004
%RSD	.0089	.1180	17.92	4.157	.3256	59.53	.9546
#1	1.559	.1520	.0339	.0418	15.14	.0011	.0396
#2	1.558	.1517	.0437	.0394	15.07	.0004	.0401

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86986.**	**12853.**	**1927.2**	**5612.7**
Stddev	14.	46.	4.4	11.1
%RSD	.01659	.35939	.22920	.19752
#1	86996.	12885.	1930.3	5620.5
#2	86976.	12820.	1924.1	5604.8

Zoom In Zoom Out

Sample Name: jb69348-1 Acquired: 6/20/2014 0:02:46 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2812**	**.0000**	**.1659**	**.0498**	**.0191**	**.2596**	**.0706**	**2.011**	**.0050**
Stddev	.0002	.0000	.0001	.0000	.0003	.0003	.0000	.003	.0005
%RSD	.0734	85.17	.0372	.0869	1.596	.1336	.0325	.1583	10.46
#1	.2814	.0000	.1659	.0498	.0193	.2594	.0706	2.008	.0046
#2	.2811	.0000	.1658	.0498	.0189	.2599	.0706	2.013	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0384**	**52.68**	**.0735**	**.0041**	**.1365**	**-.0240**	**.0621**	**6.928**	**20.02**
Stddev	.0002	.11	.0002	.0004	.0004	.0004	.0005	.000	.06
%RSD	.3917	.2105	.2628	10.39	.2717	1.684	.7545	.0001	.2798
#1	.0385	52.60	.0733	.0038	.1362	-.0237	.0624	6.928	20.06
#2	.0383	52.76	.0736	.0044	.1368	-.0243	.0617	6.928	19.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.28**	**1.225**	**.7415**	**1.404**	**.0493**	**.0090**	**-.0019**	**5.184**	**.0232**
Stddev	.23	.003	.0008	.009	.0009	.0003	.0002	.002	.0006
%RSD	.2266	.2327	.1139	.6509	1.825	2.967	11.26	.0337	2.452
#1	99.43	1.227	.7409	1.411	.0486	.0092	-.0018	5.186	.0236
#2	99.12	1.223	.7421	1.398	.0499	.0088	-.0021	5.183	.0228

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0922**	**.0933**	**.2480**	**.0081**	**22.57**	**.0028**	**.0043**
Stddev	.0001	.0009	.0025	.0002	.09	.0007	.0006
%RSD	.1091	1.002	.9956	1.946	.4190	26.40	13.44
#1	.0921	.0939	.2497	.0080	22.50	.0033	.0047
#2	.0922	.0926	.2462	.0082	22.64	.0022	.0039

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99023.**	**13647.**	**2179.5**	**6886.7**
Stddev	208.	80.	.4	4.6
%RSD	.21045	.58919	.01725	.06678
#1	98875.	13590.	2179.2	6890.0
#2	99170.	13704.	2179.8	6883.4

Zoom In Zoom Out

Sample Name: jb69348-3 Acquired: 6/20/2014 0:08:54 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1070**	**.0002**	**.0008**	**.0047**	**.0035**	**.0026**	**.1376**	**.0059**	**-.0003**
Stddev	.0001	.0000	.0002	.0001	.0000	.0002	.0000	.0003	.0001
%RSD	.0547	9.048	20.02	1.705	.7908	7.697	.0118	5.826	42.98
#1	.1071	.0002	.0006	.0046	.0035	.0028	.1376	.0062	-.0004
#2	.1070	.0002	.0009	.0047	.0035	.0025	.1376	.0057	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0210**	**.0006**	**.0002**	**.0036**	**-.0001**	**-.0012**	**.5011**	**66.01**
Stddev	.0001	.0004	.0010	.0002	.0001	.0002	.0002	.0010	.02
%RSD	7.101	1.804	157.1	130.2	3.130	158.1	14.60	.1974	.0303
#1	.0013	.0213	-.0001	.0003	.0037	-.0002	-.0013	.5004	66.03
#2	.0014	.0207	.0013	.0000	.0035	.0000	-.0011	.5018	66.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4061**	**11.14**	**6.059**	**49.20**	**.0238**	**.0007**	**-.0013**	**10.01**	**.0019**
Stddev	.0003	.01	.001	.06	.0006	.0001	.0002	.00	.0007
%RSD	.0688	.1321	.0163	.1289	2.718	16.57	18.42	.0202	37.22
#1	.4063	11.13	6.059	49.25	.0243	.0007	-.0011	10.01	.0014
#2	.4059	11.15	6.060	49.16	.0234	.0008	-.0015	10.01	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5963**	**.0134**	**-.0106**	**-.0006**	**6.528**	**-.0008**	**.0127**
Stddev	.0009	.0002	.0007	.0000	.018	.0011	.0007
%RSD	.1549	1.566	7.034	6.468	.2776	152.6	5.298
#1	.5970	.0132	-.0101	-.0006	6.541	-.0016	.0122
#2	.5957	.0135	-.0112	-.0006	6.515	.0001	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96530.**	**13410.**	**2133.8**	**6525.3**
Stddev	96.	14.	1.2	10.9
%RSD	.09910	.10478	.05708	.16714
#1	96463.	13400.	2134.7	6533.0
#2	96598.	13420.	2133.0	6517.6

Zoom In Zoom Out

Sample Name: jb69348-4 Acquired: 6/20/2014 0:15:07 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**.0000**	**.0002**	**.0004**	**.0008**	**.0002**	**.0000**
Stddev	.0001	.000	.0001	.0001	.0003	.0002	.0000	.0000	.0000
%RSD	43.33	222.8	219.0	311.5	123.6	43.24	2.852	11.67	75.79
#1	.0002	-.0001	.0001	.0001	.0004	.0003	.0008	.0002	.0000
#2	.0001	.0000	.0000	.0000	.0000	.0005	.0009	.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0064**	**-.0003**	**-.0005**	**.0002**	**.0018**	**-.0005**	**.0141**	**.0481**
Stddev	.0001	.0001	.0007	.0009	.0007	.0025	.0000	.0065	.0027
%RSD	58.01	1.026	234.6	190.4	377.5	142.8	4.341	46.18	5.586
#1	-.0001	.0065	.0002	.0002	.0007	.0000	-.0005	.0095	.0500
#2	-.0002	.0064	-.0008	-.0011	-.0003	.0035	-.0005	.0187	.0462

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0080**	**.0187**	**-.0262**	**.0357**	**.0002**	**-.0009**	**.0009**	**.0448**	**-.0007**
Stddev	.0008	.0043	.0205	.0045	.0001	.0000	.0006	.0004	.0002
%RSD	10.11	23.08	78.34	12.60	44.30	4.029	73.61	.9817	29.13
#1	.0074	.0217	-.0407	.0325	.0002	-.0009	.0013	.0451	-.0006
#2	.0086	.0156	-.0117	.0389	.0003	-.0009	.0004	.0445	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0164**	**-.0007**	**.0075**	**.0004**	**.0000**
Stddev	.0000	.0001	.0006	.0003	.0017	.0003	.0002
%RSD	41.60	30.36	3.671	36.21	23.22	82.96	1317.
#1	.0001	.0002	-.0159	-.0005	.0063	.0002	-.0001
#2	.0001	.0003	-.0168	-.0009	.0088	.0006	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100640.**	**13416.**	**2213.9**	**7022.0**
Stddev	182.	83.	4.3	11.9
%RSD	.18106	.61796	.19612	.16964
#1	100510.	13357.	2216.9	7030.4
#2	100770.	13475.	2210.8	7013.5

Zoom In Zoom Out

Sample Name: jb69578-11 Acquired: 6/20/2014 0:21:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0781**	**.0003**	**.0004**	**.0034**	**.0070**	**.0111**	**.6783**	**.0057**	**.0005**
Stddev	.0001	.0000	.0003	.0002	.0003	.0000	.0004	.0003	.0004
%RSD	.1683	12.68	64.21	4.841	4.239	.2992	.0557	6.021	76.55
#1	.0782	.0004	.0002	.0033	.0068	.0111	.6786	.0054	.0002
#2	.0780	.0003	.0006	.0035	.0073	.0112	.6781	.0059	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0183**	**.0255**	**.0092**	**.0028**	**.0242**	**.0013**	**.0003**	**4.693**	**29.23**
Stddev	.0002	.0001	.0002	.0004	.0009	.0034	.0002	.001	.01
%RSD	.9012	.4866	1.646	12.85	3.892	270.9	72.63	.0097	.0219
#1	.0184	.0256	.0093	.0030	.0248	.0037	.0001	4.694	29.23
#2	.0182	.0254	.0091	.0025	.0235	-.0012	.0004	4.693	29.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.43**	**9.556**	**2.118**	**171.4**	**.0943**	**.0084**	**-.0011**	**9.867**	**.0028**
Stddev	.03	.001	.015	1.0	.0003	.0001	.0009	.017	.0000
%RSD	.3338	.0106	.7032	.6059	.2682	.8809	78.50	.1679	.5334
#1	10.40	9.555	2.128	172.1	.0941	.0084	-.0018	9.855	.0028
#2	10.45	9.556	2.107	170.7	.0945	.0083	-.0005	9.878	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2092**	**.0825**	**-.0178**	**.0120**	**82.52**	**.0003**	**.0040**
Stddev	.0001	.0008	.0002	.0002	.02	.0009	.0007
%RSD	.0361	.9631	1.103	1.334	.0260	267.5	17.89
#1	.2092	.0820	-.0177	.0121	82.51	.0009	.0046
#2	.2093	.0831	-.0180	.0119	82.54	-.0003	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94065.**	**13322.**	**2102.9**	**6269.2**
Stddev	190.	12.	3.5	9.5
%RSD	.20199	.09034	.16545	.15227
#1	94199.	13331.	2105.3	6276.0
#2	93930.	13314.	2100.4	6262.5

Zoom In Zoom Out

Sample Name: jb69578-12 Acquired: 6/20/2014 0:27:43 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1214**	**.0009**	**.0004**	**.0063**	**.0151**	**.0384**	**.7577**	**.0152**	**-.0002**
Stddev	.0002	.0001	.0000	.0002	.0004	.0003	.0008	.0003	.0002
%RSD	.1306	11.53	9.169	3.615	2.918	.6737	.1038	2.153	99.67
#1	.1213	.0010	.0004	.0061	.0154	.0386	.7582	.0154	.0000
#2	.1215	.0009	.0004	.0065	.0148	.0382	.7571	.0149	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0294**	**.1074**	**.0008**	**.0016**	**.0203**	**.0069**	**-.0016**	**17.91**	**30.92**
Stddev	.0002	.0002	.0002	.0001	.0001	.0007	.0002	.01	.09
%RSD	.6653	.1578	20.65	5.661	.5822	9.605	15.92	.0552	.2890
#1	.0296	.1073	.0009	.0017	.0203	.0074	-.0014	17.91	30.98
#2	.0293	.1076	.0007	.0015	.0204	.0064	-.0017	17.90	30.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.46**	**9.294**	**4.592**	**8.568**	**.0484**	**-.0001**	**-.0021**	**20.31**	**.0024**
Stddev	.00	.033	.008	.001	.0000	.0001	.0001	.00	.0005
%RSD	.0253	.3591	.1837	.0083	.0640	74.84	6.540	.0224	19.19
#1	10.46	9.318	4.598	8.568	.0484	-.0002	-.0020	20.31	.0027
#2	10.47	9.271	4.586	8.567	.0484	-.0001	-.0022	20.30	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2133**	**.2530**	**-.0215**	**.0043**	**9.840**	**-.0008**	**.0167**
Stddev	.0003	.0018	.0003	.0000	.021	.0001	.0000
%RSD	.1310	.7220	1.607	.0306	.2188	17.05	.0935
#1	.2135	.2542	-.0213	.0043	9.824	-.0009	.0167
#2	.2131	.2517	-.0218	.0043	9.855	-.0007	.0167

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97548.**	**13319.**	**2170.6**	**6641.1**
Stddev	43.	51.	5.2	19.3
%RSD	.04424	.38637	.23799	.29106
#1	97579.	13283.	2174.3	6654.8
#2	97518.	13355.	2166.9	6627.4

Zoom In Zoom Out

Sample Name: jb69578-13 Acquired: 6/20/2014 0:33:55 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1101**	**.0008**	**.0004**	**.0064**	**.0156**	**.0364**	**.7149**	**.0156**	**.0001**
Stddev	.0006	.0000	.0002	.0005	.0002	.0002	.0030	.0001	.0002
%RSD	.5748	3.505	45.55	7.420	1.448	.5426	.4146	.7052	243.8
#1	.1097	.0008	.0005	.0067	.0155	.0366	.7128	.0157	-.0001
#2	.1106	.0009	.0003	.0061	.0158	.0363	.7170	.0156	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0285**	**.1083**	**.0010**	**.0011**	**.0197**	**.0056**	**-.0017**	**18.53**	**29.21**
Stddev	.0003	.0001	.0012	.0015	.0008	.0030	.0013	.01	.05
%RSD	1.059	.0977	123.7	128.7	4.102	54.24	76.93	.0289	.1805
#1	.0283	.1082	.0001	.0022	.0191	.0034	-.0008	18.53	29.24
#2	.0287	.1084	.0019	.0001	.0202	.0077	-.0027	18.53	29.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.73**	**8.923**	**4.491**	**8.200**	**.0455**	**-.0001**	**-.0021**	**19.94**	**.0027**
Stddev	.03	.054	.001	.036	.0008	.0002	.0004	.03	.0001
%RSD	.2857	.6086	.0248	.4353	1.839	139.0	19.59	.1733	4.745
#1	10.75	8.961	4.491	8.175	.0461	.0000	-.0024	19.92	.0026
#2	10.70	8.884	4.490	8.225	.0449	-.0002	-.0018	19.97	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2021**	**.2652**	**-.0227**	**.0051**	**9.476**	**-.0004**	**.0171**
Stddev	.0011	.0015	.0001	.0001	.002	.0005	.0005
%RSD	.5397	.5792	.6457	1.752	.0254	141.6	2.818
#1	.2014	.2641	-.0226	.0051	9.478	.0000	.0168
#2	.2029	.2663	-.0228	.0052	9.475	-.0008	.0175

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97250.**	**13370.**	**2167.8**	**6641.1**
Stddev	321.	118.	4.9	14.3
%RSD	.32994	.87983	.22442	.21548
#1	97477.	13286.	2171.2	6651.2
#2	97023.	13453.	2164.4	6631.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 0:40:07 Type: QC
Method: Accutest1(v177) 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	**2.048**	**2.060**	**2.056**	**2.062**	**2.058**	**2.020**	**2.093**	**2.081**	**.2500**
Stddev	.001	.001	.006	.002	.005	.001	.006	.003	.0006
%RSD	.0233	.0684	.3095	.1183	.2509	.0600	.2961	.1400	.2213
#1	2.049	2.059	2.051	2.060	2.054	2.020	2.088	2.079	.2496
#2	2.048	2.061	2.060	2.064	2.061	2.021	2.097	2.083	.2504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.080**	**2.049**	**2.133**	**2.069**	**2.077**	**2.055**	**39.93**	**40.40**
Stddev	.004	.005	.007	.001	.002	.005	.005	.04	.04
%RSD	.1998	.2195	.3675	.0471	.0832	.2231	.2621	.0876	.0930
#1	2.022	2.077	2.043	2.133	2.068	2.074	2.051	39.95	40.37
#2	2.027	2.084	2.054	2.134	2.070	2.081	2.059	39.90	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	**40.35**	**39.83**	**40.14**	**40.15**	**2.080**	**2.069**	**2.020**	**5.131**	**2.095**
Stddev	.01	.00	.02	.01	.005	.007	.001	.015	.006
%RSD	.0211	.0110	.0378	.0207	.2326	.3506	.0513	.2901	.2990
#1	40.36	39.83	40.15	40.15	2.077	2.064	2.019	5.120	2.090
#2	40.35	39.82	40.13	40.14	2.083	2.074	2.021	5.141	2.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 0:40:07 Type: QC
Method: Accutest1(v177) 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	**2.053**	**2.059**	**1.852**	**2.017**	**2.052**	**2.033**	**2.016**
Stddev	.001	.005	.010	.002	.006	.005	.000
%RSD	.0248	.2570	.5462	.1136	.3000	.2698	.0104
#1	2.053	2.055	1.845	2.015	2.048	2.029	2.016
#2	2.053	2.063	1.859	2.018	2.057	2.037	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	**94911.**	**13287.**	**2126.6**	**6413.5**
Stddev	170.	39.	6.3	9.6
%RSD	.17881	.29435	.29541	.15030
#1	95031.	13315.	2131.0	6420.4
#2	94791.	13259.	2122.1	6406.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 0:46:12 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0003**	**.0002**	**.0001**	**.0003**	**.0004**	**.0005**
Stddev	.0000	.0001	.0002	.0003	.0002	.0002	.0000	.0002
%RSD	10.61	28.89	49.58	131.7	260.1	65.51	8.743	44.87
#1	.0004	.0005	.0004	.0005	.0002	.0002	.0004	.0007
#2	.0004	.0003	.0002	.0000	-.0001	.0004	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0003**	**.0002**	**-.0003**	**.0017**	**-.0001**	**.0013**	**-.0004**
Stddev	.0004	.0001	.0000	.0004	.0001	.0005	.0002	.0001
%RSD	530.0	24.58	15.55	124.7	7.016	676.3	12.73	14.03
#1	-.0003	.0003	.0002	.0000	.0018	.0003	.0014	-.0004
#2	.0002	.0002	.0002	-.0006	.0016	-.0005	.0012	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**.0106**	F **.0119**	**.0312**	**.0061**	**.0263**	**.0017**	**.0009**
Stddev	.0015	.0043	.0030	.0120	.0113	.0059	.0004	.0005
%RSD	12.50	40.66	25.15	38.39	184.4	22.37	21.43	53.51
#1	.0134	.0136	.0141	.0228	.0141	.0221	.0020	.0012
#2	.0112	.0075	.0098	.0397	-.0019	.0305	.0015	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 0:46:12 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0074**	**-.0004**	**.0005**	**.0002**	F **-.0179**	**-.0003**	**.0028**
Stddev	.0005	.0001	.0003	.0001	.0003	.0002	.0000	.0021
%RSD	41.07	1.552	78.72	28.14	151.9	.9454	8.329	75.75
#1	.0014	.0075	-.0002	.0006	.0005	-.0178	-.0003	.0043
#2	.0008	.0073	-.0007	.0004	.0000	-.0180	-.0004	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0000**	**-.0005**
Stddev	.0003	.0006
%RSD	1031.	126.2
#1	.0003	-.0009
#2	-.0002	-.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	**99275.**	**13209.**	**2205.2**	**6978.1**
Stddev	443.	37.	5.4	16.4
%RSD	.44646	.28241	.24369	.23507
#1	99589.	13235.	2209.0	6989.7
#2	98962.	13182.	2201.4	6966.5

Zoom In Zoom Out

Sample Name: jb69578-14 Acquired: 6/20/2014 0:52:32 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0000**	**.0001**	**.0000**	**.0002**	**.0002**	**.0006**	**.0004**	**-.0005**
Stddev	.0001	.0000	.0001	.0001	.0004	.0004	.0000	.0004	.0005
%RSD	16.65	79.07	58.26	262.9	175.9	182.6	3.458	100.2	97.86
#1	.0004	.0001	.0001	.0001	.0006	.0005	.0006	.0001	-.0009
#2	.0003	.0000	.0001	.0000	-.0001	-.0001	.0006	.0007	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0025**	**-.0007**	**-.0003**	**-.0007**	**.0021**	**-.0009**	**.0181**	**.0838**
Stddev	.0002	.0001	.0004	.0000	.0001	.0005	.0001	.0062	.0000
%RSD	185.2	3.905	59.51	13.14	8.640	25.02	11.54	33.96	.0258
#1	.0000	.0026	-.0004	-.0003	-.0007	.0018	-.0008	.0225	.0839
#2	.0003	.0025	-.0009	-.0004	-.0007	.0025	-.0010	.0138	.0838

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0170**	**.0228**	**-.0403**	**.1944**	**.0009**	**-.0006**	**.0004**	**.0535**	**.0001**
Stddev	.0010	.0294	.0104	.0038	.0002	.0001	.0015	.0005	.0005
%RSD	5.823	128.7	25.82	1.966	18.62	16.79	408.9	.8652	387.7
#1	.0163	.0020	-.0477	.1971	.0011	-.0006	.0014	.0532	-.0002
#2	.0177	.0436	-.0329	.1917	.0008	-.0005	-.0007	.0538	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**-.0185**	**-.0002**	**.0096**	**.0000**	**.0005**
Stddev	.0000	.0001	.0004	.0000	.0020	.000	.0002
%RSD	12.92	56.30	2.205	11.41	21.31	851.0	51.82
#1	.0002	.0001	-.0182	-.0002	.0110	.0001	.0003
#2	.0003	.0003	-.0188	-.0002	.0081	-.0001	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100730.**	**13507.**	**2218.7**	**7035.5**
Stddev	18.	3.	6.1	13.2
%RSD	.01759	.02120	.27325	.18714
#1	100710.	13505.	2223.0	7044.9
#2	100740.	13509.	2214.4	7026.2

Zoom In Zoom Out

Sample Name: mp80113-mb1 2 Acquired: 6/20/2014 0:58:48 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**.0001**	**.0001**	**-.0003**	**.0070**	**.0001**	**.0011**	**-.0003**
Stddev	.000	.0000	.0001	.0000	.0001	.0003	.0000	.0001	.0001
%RSD	287.1	45.76	77.55	7.293	41.78	3.930	19.43	5.474	43.49
#1	.0000	-.0001	.0000	.0001	-.0002	.0072	.0002	.0011	-.0004
#2	-.0001	.0000	.0001	.0001	-.0003	.0068	.0001	.0012	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0013**	**-.0004**	**.0008**	**-.0001**	**.0031**	**-.0005**	**.0098**	**.0138**
Stddev	.0001	.0002	.0002	.0008	.0011	.0007	.0008	.0039	.0023
%RSD	177.4	11.80	56.11	102.2	879.4	21.56	151.6	39.37	16.74
#1	.0000	.0014	-.0003	.0002	.0007	.0035	-.0011	.0126	.0122
#2	-.0002	.0012	-.0006	.0014	-.0009	.0026	.0000	.0071	.0154

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0150**	**.0125**	**-.0427**	**.0062**	**-.0006**	**-.0009**	**.0004**	**.0172**	**-.0005**
Stddev	.0006	.0073	.0038	.0004	.0003	.0002	.0005	.0013	.0004
%RSD	4.100	58.35	8.951	5.827	58.78	24.41	137.9	7.546	68.11
#1	.0154	.0177	-.0454	.0064	-.0003	-.0011	.0000	.0181	-.0003
#2	.0145	.0074	-.0400	.0059	-.0008	-.0007	.0007	.0163	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0186**	**-.0004**	**.0015**	**.0003**	**-.0005**
Stddev	.000	.0002	.0005	.0000	.0006	.0004	.0003
%RSD	30.51	84.28	2.763	.3610	40.00	137.5	54.55
#1	.0000	.0004	-.0190	-.0004	.0020	.0006	-.0007
#2	.0000	.0001	-.0183	-.0004	.0011	.0000	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100700.**	**13506.**	**2223.0**	**7052.7**
Stddev	148.	55.	8.7	12.2
%RSD	.14688	.41082	.39199	.17276
#1	100810.	13545.	2229.2	7061.3
#2	100600.	13467.	2216.9	7044.1

Zoom In Zoom Out

Sample Name: mp80113-mb2 Acquired: 6/20/2014 1:05:04 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**.0001**	**.0001**	**.0003**	**.0001**	**.0002**	**-.0002**
Stddev	.0000	.000	.0000	.0002	.0002	.0001	.0000	.0002	.0003
%RSD	7.738	39.01	43.25	251.2	313.6	27.68	34.20	153.7	163.3
#1	.0001	.0000	.0001	-.0001	-.0001	.0004	.0001	.0000	-.0004
#2	.0001	.0000	.0000	.0002	.0002	.0003	.0001	.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0014**	**-.0004**	**.0008**	**.0004**	**.0025**	**-.0001**	**.0090**	**.0089**
Stddev	.0001	.0001	.0003	.0007	.0000	.0009	.0003	.0005	.0024
%RSD	39.93	5.159	74.91	87.60	3.111	36.64	645.1	4.992	27.32
#1	-.0001	.0015	-.0006	.0003	.0004	.0032	.0002	.0093	.0107
#2	-.0002	.0014	-.0002	.0012	.0004	.0019	-.0003	.0087	.0072

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0015**	**.0076**	**-.0332**	**.0008**	**-.0008**	**-.0010**	**.0006**	**.0177**	**-.0008**
Stddev	.0002	.0034	.0083	.0002	.0004	.0001	.0008	.0003	.0004
%RSD	13.98	44.51	24.95	20.84	46.63	5.909	144.8	1.803	48.93
#1	.0013	.0100	-.0274	.0009	-.0011	-.0009	.0000	.0180	-.0005
#2	.0016	.0052	-.0391	.0007	-.0005	-.0010	.0012	.0175	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0203**	**-.0006**	**.0027**	**.0001**	**-.0002**
Stddev	.000	.000	.0003	.0001	.0034	.0007	.0001
%RSD	82.85	104.7	1.242	11.74	125.9	655.4	30.89
#1	-.0001	.0000	-.0205	-.0006	.0003	.0006	-.0002
#2	.0000	-.0001	-.0201	-.0005	.0051	-.0004	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101390.**	**13510.**	**2225.1**	**7054.6**
Stddev	45.	29.	6.9	11.2
%RSD	.04419	.21739	.31112	.15871
#1	101360.	13489.	2230.0	7062.5
#2	101420.	13531.	2220.2	7046.6

Zoom In Zoom Out

Sample Name: mp80113-lc1 Acquired: 6/20/2014 1:11:22 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4930**	**.4887**	**.4835**	**.4720**	**.4905**	**.4625**	**.5002**	**.4869**	**.1862**
Stddev	.0008	.0016	.0007	.0012	.0005	.0004	.0010	.0001	.0002
%RSD	.1618	.3197	.1455	.2490	.1057	.0788	.2083	.0290	.0889
#1	.4936	.4898	.4830	.4712	.4909	.4623	.4995	.4870	.1861
#2	.4925	.4876	.4840	.4728	.4902	.4628	.5009	.4868	.1864

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4483**	**.4965**	**.4838**	**.5026**	**.4842**	**.5234**	**.4734**	**4.784**	**5.401**
Stddev	.0005	.0001	.0015	.0060	.0001	.0003	.0008	.012	.036
%RSD	.1127	.0138	.3032	1.190	.0104	.0512	.1731	.2474	.6684
#1	.4479	.4964	.4828	.4984	.4843	.5236	.4728	4.793	5.427
#2	.4486	.4965	.4848	.5069	.4842	.5232	.4740	4.776	5.376

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.430**	**5.259**	**9.633**	**9.707**	**.0037**	**.4815**	**-.0003**	**.0163**	**.0006**
Stddev	.009	.097	.012	.028	.0007	.0019	.0003	.0009	.0003
%RSD	.1650	1.848	.1240	.2912	19.96	.3877	103.0	5.422	44.69
#1	5.437	5.328	9.641	9.727	.0032	.4801	-.0005	.0157	.0004
#2	5.424	5.190	9.624	9.687	.0042	.4828	-.0001	.0170	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4928**	**-.0163**	**.0047**	**.0004**	**.0000**	**.0000**
Stddev	.0000	.0012	.0001	.0001	.0006	.0000	.0000
%RSD	33.77	.2466	.4502	1.164	133.4	71.84	142.2
#1	-.0001	.4919	-.0164	.0047	.0000	.0001	.0001
#2	-.0002	.4936	-.0163	.0046	.0008	.0000	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99485.**	**13531.**	**2195.6**	**6862.2**
Stddev	249.	149.	4.1	7.7
%RSD	.25064	1.1013	.18621	.11281
#1	99661.	13425.	2198.5	6867.6
#2	99308.	13636.	2192.7	6856.7

Zoom In Zoom Out

Sample Name: mp80113-lc2 Acquired: 6/20/2014 1:17:29 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5025**	**.4974**	**.4920**	**.4809**	**.4994**	**.4701**	**.5104**	**.4954**	**.1896**
Stddev	.0007	.0022	.0002	.0020	.0032	.0003	.0031	.0011	.0003
%RSD	.1344	.4387	.0400	.4150	.6445	.0702	.6092	.2299	.1445
#1	.5030	.4989	.4919	.4794	.5017	.4703	.5126	.4946	.1898
#2	.5020	.4958	.4922	.4823	.4971	.4698	.5082	.4962	.1894

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4583**	**.5032**	**.4927**	**.5119**	**.4931**	**.5315**	**.4840**	**4.864**	**5.416**
Stddev	.0016	.0017	.0008	.0002	.0000	.0022	.0013	.019	.024
%RSD	.3523	.3285	.1537	.0483	.0001	.4230	.2718	.3817	.4423
#1	.4594	.5021	.4932	.5117	.4931	.5331	.4830	4.877	5.433
#2	.4572	.5044	.4922	.5121	.4931	.5299	.4849	4.851	5.399

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.534**	**5.282**	**9.780**	**9.863**	**.0037**	**.4927**	**.0004**	**.0088**	**.0010**
Stddev	.026	.051	.034	.039	.0004	.0003	.0005	.0004	.0002
%RSD	.4710	.9680	.3513	.3915	10.67	.0595	131.1	4.670	24.37
#1	5.553	5.318	9.805	9.890	.0040	.4925	.0000	.0091	.0008
#2	5.516	5.246	9.756	9.836	.0034	.4929	.0007	.0085	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5010**	**-.0175**	**.0022**	**.0013**	**.0002**	**.0009**
Stddev	.0000	.0009	.0000	.0001	.0010	.0002	.0002
%RSD	10.62	.1751	.1469	3.865	78.68	115.9	18.47
#1	-.0001	.5016	-.0175	.0023	.0006	.0000	.0010
#2	-.0001	.5004	-.0175	.0022	.0020	.0004	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99394.**	**13617.**	**2196.7**	**6870.5**
Stddev	445.	120.	3.2	9.0
%RSD	.44820	.88415	.14357	.13158
#1	99079.	13532.	2198.9	6876.9
#2	99709.	13702.	2194.5	6864.1

Zoom In Zoom Out

Sample Name: mp80113-s1 Acquired: 6/20/2014 1:23:35 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.152**	**.0558**	**.0536**	**.5328**	**.2193**	**.2603**	**.6015**	**.5444**	**.0521**
Stddev	.007	.0002	.0004	.0010	.0013	.0003	.0011	.0013	.0004
%RSD	.3487	.4018	.7599	.1888	.6036	.1304	.1825	.2300	.7033
#1	2.146	.0557	.0533	.5320	.2202	.2606	.6023	.5435	.0519
#2	2.157	.0560	.0539	.5335	.2184	.2601	.6008	.5453	.0524

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5101**	**.5476**	**2.239**	**2.269**	**.5502**	**2.395**	**.5491**	**2.065**	**79.80**
Stddev	.0009	.0003	.007	.015	.0011	.004	.0018	.002	.07
%RSD	.1829	.0484	.3344	.6758	.1987	.1760	.3251	.0937	.0822
#1	.5108	.5474	2.234	2.259	.5495	2.392	.5479	2.066	79.85
#2	.5094	.5478	2.244	2.280	.5510	2.398	.5504	2.063	79.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.085**	**45.62**	**27.36**	**37.10**	**.1240**	**.0017**	**-.0012**	**16.49**	**.0025**
Stddev	.001	.03	.04	.05	.0012	.0000	.0006	.06	.0008
%RSD	.1202	.0630	.1343	.1471	.9655	.3583	50.80	.3515	31.92
#1	1.086	45.64	27.33	37.06	.1249	.0017	-.0008	16.45	.0030
#2	1.084	45.60	27.39	37.13	.1232	.0016	-.0017	16.53	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0624**	**.0020**	**-.0209**	**.0011**	**12.83**	**-.0007**	**.0025**
Stddev	.0000	.0003	.0003	.0001	.06	.0009	.0003
%RSD	.0765	12.87	1.250	4.408	.4369	121.2	10.85
#1	.0623	.0022	-.0211	.0012	12.79	-.0014	.0027
#2	.0624	.0019	-.0207	.0011	12.86	-.0001	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96128.**	**13296.**	**2127.4**	**6453.2**
Stddev	281.	8.	4.4	8.4
%RSD	.29281	.05861	.20817	.12974
#1	95929.	13301.	2130.5	6459.1
#2	96327.	13290.	2124.3	6447.2

Zoom In Zoom Out

Sample Name: mp80113-s2 Acquired: 6/20/2014 1:29:39 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.099**	**.0546**	**.0520**	**.5224**	**.2147**	**.2544**	**.5878**	**.5321**	**.0506**
Stddev	.002	.0000	.0002	.0016	.0003	.0002	.0015	.0015	.0001
%RSD	.1085	.0781	.3384	.3002	.1568	.0715	.2479	.2881	.2567
#1	2.098	.0546	.0519	.5213	.2149	.2545	.5868	.5311	.0505
#2	2.101	.0546	.0522	.5235	.2145	.2542	.5889	.5332	.0507

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4985**	**.5360**	**2.183**	**2.206**	**.5383**	**2.333**	**.5353**	**2.029**	**77.71**
Stddev	.0001	.0004	.006	.002	.0009	.009	.0019	.005	.04
%RSD	.0134	.0718	.2688	.0972	.1594	.3736	.3562	.2304	.0565
#1	.4986	.5357	2.179	2.205	.5377	2.327	.5339	2.026	77.74
#2	.4985	.5362	2.187	2.208	.5389	2.339	.5366	2.032	77.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.063**	**44.59**	**26.65**	**36.11**	**.1197**	**.0012**	**-.0025**	**15.88**	**.0021**
Stddev	.006	.03	.07	.05	.0003	.0000	.0009	.03	.0000
%RSD	.5392	.0772	.2657	.1415	.2352	1.463	36.77	.2141	.3382
#1	1.059	44.56	26.60	36.07	.1195	.0012	-.0018	15.86	.0021
#2	1.067	44.61	26.70	36.14	.1199	.0012	-.0031	15.90	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0603**	**.0018**	**-.0211**	**.0006**	**12.27**	**-.0010**	**.0018**
Stddev	.0001	.0000	.0011	.0001	.00	.0006	.0003
%RSD	.0934	1.867	5.047	24.73	.0040	58.32	16.02
#1	.0603	.0018	-.0203	.0005	12.27	-.0015	.0020
#2	.0603	.0017	-.0218	.0007	12.27	-.0006	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96086.**	**13352.**	**2130.7**	**6452.9**
Stddev	155.	27.	4.0	18.7
%RSD	.16088	.20244	.18765	.28912
#1	96196.	13371.	2133.5	6466.0
#2	95977.	13333.	2127.9	6439.7

Zoom In Zoom Out

Sample Name: jb69017-8f Acquired: 6/20/2014 1:35:42 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0234**	**.0000**	**.0006**	**.0001**	**.0035**	**.0012**	**.0551**	**.0004**	**-.0002**
Stddev	.0002	.000	.0000	.0002	.0001	.0001	.0002	.0002	.0001
%RSD	.6929	157.4	3.495	174.0	3.045	11.64	.4275	50.67	24.71
#1	.0235	.0000	.0006	.0000	.0036	.0011	.0553	.0005	-.0002
#2	.0233	.0000	.0006	.0002	.0034	.0013	.0549	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0139**	**.0065**	**.0009**	**.0014**	**.0044**	**.0049**	**-.0008**	**-.0079**	**52.06**
Stddev	.0000	.0001	.0010	.0015	.0011	.0012	.0001	.0013	.08
%RSD	.0064	2.089	110.0	103.6	23.78	24.06	7.777	16.29	.1543
#1	.0139	.0066	.0017	.0004	.0052	.0041	-.0007	-.0088	52.00
#2	.0139	.0064	.0002	.0024	.0037	.0058	-.0008	-.0070	52.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**18.08**	**.6304**	**10.00**	**.1214**	**-.0002**	**-.0016**	**15.96**	**.0018**
Stddev	.0012	.02	.0099	.01	.0002	.0000	.0005	.00	.0001
%RSD	47.91	.0994	1.574	.0771	.1486	10.05	31.49	.0107	6.260
#1	.0016	18.07	.6374	9.998	.1215	-.0002	-.0019	15.96	.0017
#2	.0033	18.09	.6234	10.01	.1213	-.0002	-.0012	15.96	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0605**	**.0004**	**-.0230**	**-.0009**	**12.25**	**.0000**	**.0019**
Stddev	.0001	.0004	.0002	.0001	.03	.000	.0011
%RSD	.0848	98.52	1.062	5.927	.2645	43720.	56.82
#1	.0604	.0007	-.0228	-.0009	12.27	.0002	.0027
#2	.0605	.0001	-.0232	-.0010	12.23	-.0002	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96792.**	**13586.**	**2167.8**	**6705.8**
Stddev	245.	52.	.2	5.9
%RSD	.25361	.38606	.01033	.08724
#1	96619.	13623.	2168.0	6710.0
#2	96966.	13548.	2167.7	6701.7

Zoom In Zoom Out

Sample Name: mp80113-sd1 Acquired: 6/20/2014 1:41:54 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0230**	**-.0002**	**.0013**	**.0010**	**.0039**	**.0014**	**.0560**	**.0013**	**-.0017**
Stddev	.0001	.0003	.0016	.0005	.0007	.0002	.0002	.0014	.0020
%RSD	.5995	151.3	120.4	43.86	19.13	11.68	.2964	108.9	123.0
#1	.0229	.0000	.0002	.0013	.0034	.0016	.0558	.0023	-.0031
#2	.0230	-.0004	.0025	.0007	.0044	.0013	.0561	.0003	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0140**	**.0121**	**-.0002**	**.0051**	**.0059**	**.0179**	**-.0019**	**.0201**	**53.64**
Stddev	.0022	.0002	.0001	.0017	.0035	.0160	.0012	.0149	.01
%RSD	15.71	1.883	26.53	33.18	60.52	89.31	60.21	74.13	.0211
#1	.0125	.0123	-.0002	.0039	.0034	.0292	-.0011	.0306	53.63
#2	.0156	.0120	-.0003	.0063	.0084	.0066	-.0028	.0096	53.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0010**	**18.78**	**.5046**	**10.25**	**.1121**	**-.0053**	**-.0013**	**16.00**	**.0026**
Stddev	.0121	.01	.0396	.00	.0017	.0003	.0080	.03	.0050
%RSD	1251.	.0705	7.846	.0428	1.507	5.246	611.6	.1833	188.1
#1	.0095	18.77	.4766	10.25	.1109	-.0051	-.0070	15.98	.0061
#2	-.0076	18.79	.5326	10.26	.1132	-.0055	.0043	16.02	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0623**	**-.0003**	**-.1216**	**-.0048**	**12.31**	**-.0001**	**.0011**
Stddev	.0006	.0017	.0002	.0005	.02	.0032	.0012
%RSD	1.022	577.1	.1591	9.605	.1291	2548.	106.5
#1	.0618	-.0015	-.1214	-.0044	12.32	-.0024	.0020
#2	.0627	.0009	-.1217	-.0051	12.30	.0021	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99321.**	**13356.**	**2196.6**	**6931.4**
Stddev	304.	75.	4.4	4.9
%RSD	.30564	.56180	.20254	.07092
#1	99106.	13409.	2199.8	6934.9
#2	99535.	13303.	2193.5	6927.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 1:48:09 Type: QC
Method: Accutest1(v177) 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	**2.049**	**2.073**	**2.045**	**2.057**	**2.066**	**1.993**	**2.044**	**2.062**	**.2420**
Stddev	.000	.001	.006	.002	.002	.002	.004	.002	.0010
%RSD	.0047	.0699	.3013	.0918	.0758	.1156	.1900	.0725	.3944
#1	2.049	2.074	2.041	2.056	2.065	1.991	2.041	2.061	.2413
#2	2.049	2.072	2.050	2.059	2.067	1.994	2.047	2.063	.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	**2.009**	**2.085**	**2.030**	**2.120**	**2.064**	**2.065**	**2.052**	**40.90**	**41.59**
Stddev	.003	.001	.007	.007	.001	.010	.007	.01	.07
%RSD	.1558	.0238	.3484	.3093	.0378	.4895	.3372	.0188	.1597
#1	2.007	2.086	2.025	2.115	2.064	2.058	2.047	40.90	41.63
#2	2.012	2.085	2.035	2.124	2.065	2.072	2.057	40.91	41.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.78**	**41.30**	**40.61**	**40.99**	**2.063**	**2.069**	**1.967**	**5.122**	**2.076**
Stddev	.10	.03	.05	.02	.006	.005	.003	.007	.000
%RSD	.2512	.0637	.1262	.0515	.2977	.2618	.1402	.1458	.0137
#1	39.85	41.32	40.64	40.97	2.058	2.065	1.965	5.116	2.076
#2	39.71	41.28	40.57	41.00	2.067	2.073	1.969	5.127	2.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 1:48:09 Type: QC
Method: Accutest1(v177) 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	**2.097**	**2.002**	**1.854**	**2.026**	**2.054**	**2.027**	**2.001**
Stddev	.004	.004	.007	.002	.001	.005	.002
%RSD	.1810	.2001	.3802	.1159	.0577	.2640	.1144
#1	2.094	1.999	1.849	2.024	2.053	2.023	2.003
#2	2.100	2.005	1.859	2.028	2.055	2.031	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97054.**	**13115.**	**2137.6**	**6468.8**
Stddev	333.	92.	4.1	12.9
%RSD	.34263	.70106	.18952	.19920
#1	97289.	13050.	2140.5	6477.9
#2	96819.	13180.	2134.8	6459.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 1:54:12 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0005**	**.0003**	**.0005**	**.0005**	**.0006**	**.0006**	**.0003**
Stddev	.0000	.0000	.0000	.0002	.0001	.0001	.0001	.0003
%RSD	1.883	6.481	13.93	39.48	23.20	11.21	10.33	94.20
#1	.0008	.0005	.0003	.0006	.0004	.0006	.0006	.0005
#2	.0007	.0005	.0003	.0004	.0005	.0007	.0005	.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**	**.0003**	**-.0002**	F **.0025**	**.0003**	**.0028**	**-.0005**
Stddev	.0000	.0002	.0000	.0001	.0008	.0006	.0012	.0005
%RSD	6.869	67.39	14.43	70.90	33.97	190.8	42.35	88.66
#1	-.0004	.0005	.0003	-.0003	.0031	.0007	.0036	-.0002
#2	-.0005	.0002	.0002	-.0001	.0019	-.0001	.0019	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.0020			
Low Limit					-.0020			

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0121**	**.0147**	F **.0125**	**.0324**	**.0059**	**.0132**	**.0018**	**.0008**
Stddev	.0007	.0006	.0007	.0059	.0026	.0007	.0009	.0004
%RSD	5.776	4.215	5.707	18.08	43.70	5.133	51.16	49.23
#1	.0126	.0143	.0130	.0366	.0078	.0137	.0024	.0011
#2	.0116	.0152	.0120	.0283	.0041	.0127	.0011	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 1:54:12 Type: QC
Method: Accutest1(v177) 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	**.0024**	**.0060**	**-.0003**	**.0006**	**.0007**	F **-.0168**	**-.0003**	**.0016**
Stddev	.0000	.0011	.0003	.0001	.0004	.0005	.0000	.0003
%RSD	.4317	19.07	89.96	16.22	50.04	2.891	5.269	18.77
#1	.0024	.0068	-.0005	.0005	.0010	-.0164	-.0003	.0018
#2	.0024	.0052	-.0001	.0007	.0005	-.0171	-.0003	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0010**	**.0004**
Stddev	.0007	.0006
%RSD	74.46	141.8
#1	.0015	.0000
#2	.0005	.0008
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99137.**	**13139.**	**2194.9**	**6944.6**
Stddev	86.	64.	7.6	13.6
%RSD	.08631	.48542	.34571	.19640
#1	99197.	13094.	2200.3	6954.2
#2	99076.	13184.	2189.5	6934.9

Zoom In Zoom Out

Sample Name: jb69017-1 Acquired: 6/20/2014 2:00:30 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0296**	**.0002**	**.0007**	**.0006**	**.0048**	**.0020**	**.0046**	**.0016**	**-.0002**
Stddev	.0001	.0001	.0001	.0000	.0001	.0001	.0000	.0002	.0001
%RSD	.3086	34.62	19.95	8.694	2.890	4.426	.4920	10.60	42.00
#1	.0295	.0002	.0006	.0005	.0049	.0020	.0046	.0017	-.0003
#2	.0296	.0001	.0009	.0006	.0047	.0019	.0046	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0099**	**.0103**	**.0003**	**.0012**	**.0036**	**.0038**	**-.0016**	**.0271**	**43.46**
Stddev	.0001	.0001	.0002	.0010	.0010	.0017	.0003	.0087	.07
%RSD	.5258	1.089	59.15	84.32	26.48	44.75	20.72	32.15	.1648
#1	.0099	.0102	.0002	.0019	.0029	.0026	-.0013	.0209	43.51
#2	.0098	.0104	.0005	.0005	.0043	.0050	-.0018	.0333	43.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0721**	**17.34**	**1.262**	**21.15**	**.1704**	**.0010**	**.0001**	**15.99**	**.0019**
Stddev	.0029	.08	.017	.04	.0005	.0003	.0001	.04	.0002
%RSD	3.964	.4712	1.307	.1976	.2652	30.48	125.3	.2647	10.11
#1	.0741	17.40	1.250	21.18	.1701	.0013	.0000	15.96	.0021
#2	.0701	17.29	1.274	21.12	.1707	.0008	.0001	16.02	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0547**	**.0017**	**-.0178**	**.0005**	**14.19**	**.0002**	**.0056**
Stddev	.0002	.0001	.0003	.0000	.03	.0002	.0001
%RSD	.3761	3.100	1.491	6.473	.1828	164.0	1.794
#1	.0549	.0017	-.0180	.0004	14.20	.0003	.0055
#2	.0546	.0017	-.0176	.0005	14.17	.0000	.0057

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97397.**	**13505.**	**2153.6**	**6661.4**
Stddev	63.	72.	5.5	11.7
%RSD	.06461	.53101	.25715	.17520
#1	97352.	13455.	2157.5	6669.6
#2	97441.	13556.	2149.6	6653.1

Zoom In Zoom Out

Sample Name: jb69017-2 Acquired: 6/20/2014 2:06:43 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0140**	**.0001**	**.0005**	**.0003**	**.0005**	**.0006**	**.1870**	**.0002**	**-.0004**
Stddev	.0001	.0001	.0001	.0002	.0000	.0000	.0006	.0003	.0001
%RSD	.3959	57.87	21.47	70.65	6.459	.8290	.3417	116.7	33.25
#1	.0140	.0001	.0005	.0005	.0005	.0006	.1874	.0000	-.0005
#2	.0141	.0001	.0006	.0002	.0005	.0006	.1865	.0005	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0105**	**.0043**	**.0012**	**.0000**	**.0036**	**.0015**	**-.0014**	**.0003**	**36.38**
Stddev	.0002	.0002	.0002	.0005	.0003	.0014	.0005	.0050	.08
%RSD	2.257	4.406	15.66	2299.	9.295	96.23	35.18	1716.	.2126
#1	.0107	.0044	.0010	-.0003	.0033	.0024	-.0018	-.0032	36.33
#2	.0104	.0042	.0013	.0003	.0038	.0005	-.0011	.0038	36.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0122**	**13.30**	**4.531**	**11.97**	**.3088**	**.0017**	**-.0002**	**10.59**	**.0019**
Stddev	.0010	.02	.006	.01	.0010	.0000	.0014	.03	.0001
%RSD	8.337	.1714	.1417	.0439	.3083	1.651	616.7	.2477	6.373
#1	.0129	13.29	4.527	11.97	.3094	.0018	-.0012	10.57	.0018
#2	.0115	13.32	4.536	11.96	.3081	.0017	.0007	10.61	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2106**	**.0003**	**-.0194**	**.0003**	**15.99**	**-.0006**	**.0078**
Stddev	.0003	.0003	.0007	.0000	.05	.0000	.0001
%RSD	.1348	83.31	3.649	.5232	.3195	2.961	.8733
#1	.2108	.0001	-.0189	.0003	15.96	-.0006	.0078
#2	.2104	.0005	-.0199	.0003	16.03	-.0006	.0077

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98872.**	**13363.**	**2169.6**	**6772.8**
Stddev	103.	57.	.8	.9
%RSD	.10374	.42602	.03681	.01335
#1	98800.	13403.	2170.1	6772.1
#2	98945.	13323.	2169.0	6773.4

Zoom In Zoom Out

Sample Name: jb69017-3 Acquired: 6/20/2014 2:12:55 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0105**	**.0000**	**.0006**	**.0004**	**.0015**	**.0029**	**.0072**	**.0013**	**-.0002**
Stddev	.0000	.000	.0001	.0002	.0000	.0001	.0000	.0001	.0003
%RSD	.3213	208.2	18.50	54.61	.7113	2.158	.1885	7.860	132.8
#1	.0105	-.0001	.0005	.0002	.0015	.0029	.0072	.0013	.0000
#2	.0105	.0000	.0007	.0005	.0015	.0029	.0072	.0014	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0037**	**.0093**	**-.0008**	**.0027**	**.0026**	**.0022**	**-.0011**	**.0250**	**78.94**
Stddev	.0002	.0002	.0005	.0005	.0002	.0008	.0004	.0043	.42
%RSD	4.180	1.874	58.82	19.25	7.194	34.86	33.55	17.07	.5265
#1	.0036	.0095	-.0011	.0031	.0025	.0028	-.0009	.0220	79.24
#2	.0039	.0092	-.0004	.0023	.0027	.0017	-.0014	.0280	78.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0349**	**31.61**	**1.608**	**39.80**	**.0556**	**.0008**	**-.0014**	**11.32**	**.0022**
Stddev	.0021	.30	.007	.17	.0010	.0001	.0000	.04	.0002
%RSD	6.145	.9453	.4348	.4346	1.760	12.23	2.471	.3145	8.240
#1	.0334	31.82	1.603	39.92	.0549	.0009	-.0013	11.30	.0021
#2	.0365	31.40	1.613	39.68	.0563	.0007	-.0014	11.35	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1256**	**.0018**	**-.0179**	**-.0011**	**2.629**	**.0004**	**.0023**
Stddev	.0000	.0001	.0003	.0000	.018	.0006	.0007
%RSD	.0278	7.013	1.679	2.042	.6857	129.5	29.17
#1	.1256	.0017	-.0181	-.0011	2.616	.0000	.0028
#2	.1257	.0019	-.0177	-.0011	2.641	.0009	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95976.**	**13337.**	**2123.6**	**6490.3**
Stddev	269.	107.	4.8	12.5
%RSD	.28064	.80363	.22612	.19200
#1	96167.	13261.	2127.0	6499.1
#2	95786.	13413.	2120.2	6481.4

Zoom In Zoom Out

Sample Name: jb69017-4 Acquired: 6/20/2014 2:19:08 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0022**	**-.0001**	**.0004**	**.0002**	**.0013**	**.0042**	**.0070**	**.0024**	**-.0002**
Stddev	.0001	.0000	.0000	.0000	.0003	.0001	.0000	.0001	.0002
%RSD	5.372	20.69	3.516	16.49	20.57	1.728	.3610	4.272	88.32
#1	.0021	-.0001	.0004	.0002	.0011	.0042	.0070	.0025	-.0001
#2	.0023	-.0001	.0004	.0002	.0015	.0041	.0070	.0023	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0115**	**-.0012**	**.0008**	**.0026**	**.0034**	**-.0019**	**.0878**	**24.62**
Stddev	.0001	.0000	.0000	.0007	.0003	.0009	.0001	.0044	.01
%RSD	8.780	.4213	2.617	83.51	13.21	25.74	4.808	5.019	.0611
#1	.0016	.0114	-.0012	.0014	.0023	.0040	-.0019	.0909	24.63
#2	.0014	.0115	-.0012	.0003	.0028	.0027	-.0018	.0847	24.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1168**	**10.14**	**.3624**	**7.740**	**.0150**	**-.0006**	**.0003**	**9.391**	**.0010**
Stddev	.0000	.09	.0126	.010	.0003	.0002	.0009	.017	.0006
%RSD	.0408	.8738	3.482	.1259	2.321	38.32	293.6	.1775	64.26
#1	.1168	10.21	.3713	7.733	.0147	-.0004	.0009	9.379	.0005
#2	.1168	10.08	.3534	7.747	.0152	-.0007	-.0003	9.403	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0261**	**.0045**	**-.0207**	**-.0008**	**3.440**	**-.0006**	**.0008**
Stddev	.0002	.0005	.0005	.0001	.024	.0007	.0012
%RSD	.6596	10.54	2.278	8.326	.6889	119.4	158.2
#1	.0260	.0048	-.0204	-.0007	3.423	-.0011	-.0001
#2	.0262	.0041	-.0210	-.0008	3.457	-.0001	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98095.**	**13505.**	**2187.2**	**6827.6**
Stddev	3.	24.	2.9	12.0
%RSD	.00343	.17615	.13152	.17636
#1	98098.	13488.	2189.3	6836.1
#2	98093.	13522.	2185.2	6819.0

Zoom In Zoom Out

Sample Name: jb69017-5 Acquired: 6/20/2014 2:25:22 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0057**	**.0000**	**.0003**	**.0001**	**.0016**	**.0022**	**.0012**	**.0002**	**-.0003**
Stddev	.0000	.000	.0000	.0003	.0001	.0002	.0000	.0002	.0002
%RSD	.3970	134.8	12.02	280.5	7.791	7.229	1.327	77.33	48.65
#1	.0057	.0000	.0003	-.0001	.0017	.0024	.0012	.0004	-.0002
#2	.0057	.0000	.0003	.0003	.0015	.0021	.0012	.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.0123**	**-.0004**	**.0015**	**.0028**	**.0030**	**-.0008**	**.0156**	**26.58**
Stddev	.0002	.0000	.0008	.0002	.0002	.0000	.0012	.0058	.08
%RSD	3.626	.2136	220.4	10.97	8.078	1.489	154.0	37.29	.3151
#1	.0052	.0123	-.0009	.0014	.0030	.0031	-.0016	.0197	26.52
#2	.0055	.0123	.0002	.0016	.0027	.0030	.0001	.0115	26.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0283**	**9.583**	**1.111**	**46.25**	**.0557**	**.0011**	**.0003**	**9.979**	**.0018**
Stddev	.0006	.045	.015	.14	.0002	.0001	.0005	.011	.0000
%RSD	1.976	.4649	1.365	.2968	.3245	10.68	175.2	.1135	.8142
#1	.0287	9.552	1.122	46.15	.0555	.0010	-.0001	9.971	.0018
#2	.0279	9.615	1.100	46.34	.0558	.0012	.0007	9.987	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0463**	**.0010**	**-.0216**	**-.0008**	**5.313**	**.0003**	**.0005**
Stddev	.0002	.0001	.0002	.0000	.010	.0002	.0003
%RSD	.3982	14.70	.8943	.7309	.1829	55.00	64.69
#1	.0462	.0011	-.0214	-.0008	5.306	.0004	.0008
#2	.0465	.0009	-.0217	-.0008	5.320	.0002	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96397.**	**13439.**	**2159.2**	**6654.1**
Stddev	367.	11.	2.2	7.9
%RSD	.38088	.08186	.10375	.11826
#1	96137.	13447.	2160.8	6659.7
#2	96656.	13431.	2157.6	6648.6

Zoom In Zoom Out

Sample Name: jb69017-6 Acquired: 6/20/2014 2:31:36 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0106**	**-.0001**	**.0006**	**.0004**	**.0008**	**.0009**	**.0887**	**.0025**	**-.0004**
Stddev	.0002	.0000	.0001	.0000	.0001	.0001	.0003	.0001	.0001
%RSD	1.557	18.37	8.426	10.67	13.29	11.96	.3171	3.205	29.86
#1	.0107	-.0001	.0007	.0004	.0008	.0010	.0885	.0026	-.0004
#2	.0104	.0000	.0006	.0004	.0009	.0008	.0889	.0025	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0134**	**.0056**	**.0011**	**.0006**	**.0020**	**.0020**	**-.0005**	**.0198**	**42.58**
Stddev	.0001	.0001	.0003	.0012	.0003	.0004	.0009	.0107	.07
%RSD	.9153	1.780	23.15	192.2	13.63	20.39	168.9	53.73	.1739
#1	.0135	.0057	.0013	-.0002	.0022	.0023	.0001	.0123	42.53
#2	.0133	.0055	.0009	.0015	.0018	.0017	-.0011	.0274	42.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0465**	**12.00**	**.8728**	**7.872**	**.3512**	**.0013**	**-.0014**	**10.48**	**.0012**
Stddev	.0022	.05	.0015	.009	.0014	.0000	.0006	.02	.0000
%RSD	4.636	.3804	.1772	.1149	.4106	.6723	42.40	.1490	2.901
#1	.0480	11.97	.8718	7.866	.3502	.0013	-.0018	10.47	.0012
#2	.0449	12.04	.8739	7.879	.3522	.0013	-.0010	10.49	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0877**	**.0012**	**-.0214**	**.0004**	**17.24**	**-.0004**	**.0006**
Stddev	.0003	.0000	.0005	.0001	.07	.0001	.0009
%RSD	.3147	.6001	2.317	26.22	.3880	28.90	143.1
#1	.0875	.0012	-.0210	.0005	17.19	-.0003	.0013
#2	.0878	.0012	-.0217	.0003	17.29	-.0005	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98861.**	**13395.**	**2170.5**	**6779.3**
Stddev	134.	20.	1.1	.7
%RSD	.13546	.14948	.04941	.01106
#1	98956.	13409.	2171.3	6778.7
#2	98767.	13380.	2169.8	6779.8

Zoom In Zoom Out

Sample Name: jb69017-7 Acquired: 6/20/2014 2:37:48 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0001**	**.0001**	**-.0002**	**.0000**	**.0000**	**.0002**	**-.0004**
Stddev	.000	.0000	.0001	.0002	.0002	.000	.0000	.0000	.0003
%RSD	280.0	604.7	184.5	251.4	145.6	81.99	113.9	7.369	70.91
#1	.0000	.0000	.0000	.0002	-.0003	-.0001	.0001	.0002	-.0002
#2	-.0001	.0000	.0002	-.0001	.0000	.0000	.0000	.0002	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0011**	**-.0007**	**.0005**	**-.0006**	**.0028**	**-.0007**	**-.0003**	**.0167**
Stddev	.0000	.0001	.0004	.0015	.0007	.0003	.0001	.0025	.0026
%RSD	16.26	7.047	56.02	328.7	124.8	8.936	10.98	855.6	15.56
#1	-.0002	.0011	-.0010	.0015	-.0001	.0030	-.0007	.0014	.0149
#2	-.0003	.0012	-.0004	-.0006	-.0011	.0027	-.0008	-.0020	.0185

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0083**	**-.0321**	**.0073**	**-.0004**	**-.0013**	**.0014**	**.0199**	**-.0013**
Stddev	.0013	.0030	.0115	.0053	.0004	.0000	.0001	.0017	.0001
%RSD	33.77	35.74	35.76	71.99	97.27	1.993	7.856	8.383	9.642
#1	.0049	.0062	-.0402	.0036	-.0001	-.0013	.0015	.0210	-.0012
#2	.0030	.0104	-.0240	.0110	-.0007	-.0012	.0013	.0187	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0207**	**-.0007**	**.0036**	**.0002**	**.0000**
Stddev	.0000	.0002	.0004	.0001	.0013	.0005	.0006
%RSD	6.732	113.1	2.002	12.07	35.70	190.6	1270.
#1	-.0001	-.0003	-.0210	-.0007	.0027	-.0001	.0005
#2	-.0001	.0000	-.0204	-.0008	.0045	.0006	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101940.**	**13396.**	**2224.7**	**7068.8**
Stddev	123.	18.	5.7	19.6
%RSD	.12094	.13430	.25493	.27670
#1	102030.	13383.	2228.7	7082.6
#2	101850.	13409.	2220.7	7054.9

Zoom In Zoom Out

Sample Name: jb69017-8 Acquired: 6/20/2014 2:44:04 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0302**	**.0000**	**.0005**	**.0011**	**.0049**	**.0039**	**.1154**	**.0035**	**-.0004**
Stddev	.0001	.0000	.0001	.0000	.0002	.0004	.0002	.0002	.0003
%RSD	.1848	387.0	19.99	2.771	3.195	11.15	.1578	6.084	71.27
#1	.0302	.0000	.0005	.0011	.0050	.0042	.1153	.0037	-.0007
#2	.0303	.0000	.0006	.0011	.0048	.0036	.1155	.0034	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0164**	**.0121**	**-.0001**	**.0019**	**.0047**	**.0035**	**-.0014**	**1.038**	**50.07**
Stddev	.0000	.0001	.0001	.0006	.0002	.0014	.0003	.000	.13
%RSD	.2314	1.062	57.67	33.64	4.462	39.70	20.88	.0031	.2497
#1	.0164	.0121	-.0002	.0015	.0046	.0045	-.0012	1.037	50.16
#2	.0164	.0120	-.0001	.0024	.0049	.0025	-.0016	1.038	49.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.489**	**17.60**	**.7837**	**9.662**	**.1127**	**-.0003**	**-.0012**	**17.08**	**.0019**
Stddev	.004	.13	.0158	.001	.0001	.0000	.0015	.05	.0003
%RSD	.2845	.7211	2.021	.0064	.1004	1.161	118.2	.2997	15.11
#1	1.486	17.69	.7725	9.662	.1128	-.0003	-.0023	17.04	.0021
#2	1.492	17.51	.7949	9.661	.1126	-.0003	-.0002	17.11	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0591**	**.0590**	**-.0229**	**-.0003**	**11.37**	**-.0004**	**.0030**
Stddev	.0001	.0001	.0001	.0001	.05	.0002	.0007
%RSD	.1529	.1944	.5543	34.98	.4340	42.45	24.72
#1	.0592	.0590	-.0229	-.0002	11.41	-.0003	.0035
#2	.0590	.0591	-.0230	-.0004	11.34	-.0005	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96990.**	**13408.**	**2170.5**	**6693.6**
Stddev	112.	62.	7.9	16.4
%RSD	.11517	.46514	.36586	.24567
#1	96911.	13364.	2176.1	6705.2
#2	97069.	13452.	2164.9	6682.0

Zoom In Zoom Out

Sample Name: jb69017-9 Acquired: 6/20/2014 2:50:16 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0120**	**.0000**	**.0004**	**.0018**	**.0011**	**.0017**	**.5211**	**.0011**	**-.0001**
Stddev	.0002	.000	.0001	.0000	.0001	.0002	.0011	.0005	.0001
%RSD	1.318	191.7	27.85	2.409	5.898	11.37	.2123	47.11	139.1
#1	.0119	.0000	.0003	.0018	.0011	.0019	.5219	.0007	.0000
#2	.0121	.0000	.0005	.0018	.0010	.0016	.5203	.0014	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0098**	**.0078**	**.0006**	**.0011**	**.0029**	**.0016**	**-.0009**	**-.0019**	**40.10**
Stddev	.0000	.0001	.0009	.0002	.0011	.0012	.0004	.0066	.07
%RSD	.1200	1.590	148.8	22.34	38.29	76.71	45.77	349.8	.1723
#1	.0098	.0078	.0013	.0009	.0037	.0007	-.0012	-.0065	40.05
#2	.0099	.0079	.0000	.0012	.0021	.0025	-.0006	.0028	40.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0103**	**14.13**	**.8177**	**7.002**	**.1957**	**.0009**	**.0003**	**12.58**	**.0024**
Stddev	.0017	.13	.0243	.009	.0008	.0001	.0003	.00	.0006
%RSD	16.81	.9477	2.971	.1285	.3838	14.19	92.98	.0282	24.26
#1	.0091	14.04	.8005	6.995	.1952	.0008	.0001	12.58	.0020
#2	.0116	14.23	.8349	7.008	.1963	.0010	.0005	12.58	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0645**	**.0007**	**-.0149**	**-.0003**	**15.37**	**-.0009**	**.0021**
Stddev	.0001	.0001	.0000	.0000	.01	.0003	.0005
%RSD	.1804	10.93	.0046	8.904	.0734	26.72	21.30
#1	.0646	.0007	-.0149	-.0003	15.38	-.0008	.0018
#2	.0644	.0008	-.0149	-.0003	15.36	-.0011	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97033.**	**13390.**	**2155.3**	**6712.5**
Stddev	132.	112.	.1	2.8
%RSD	.13595	.83503	.00609	.04158
#1	96939.	13469.	2155.2	6714.5
#2	97126.	13311.	2155.4	6710.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 2:56:31 Type: QC
Method: Accutest1(v177) 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	**2.041**	**2.062**	**2.053**	**2.066**	**2.050**	**2.030**	**2.103**	**2.082**	**.2526**
Stddev	.002	.001	.002	.004	.001	.003	.001	.004	.0011
%RSD	.0910	.0393	.1170	.1830	.0436	.1348	.0507	.2150	.4215
#1	2.040	2.062	2.051	2.063	2.051	2.032	2.103	2.079	.2518
#2	2.042	2.063	2.055	2.069	2.050	2.028	2.104	2.085	.2533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.078**	**2.039**	**2.121**	**2.067**	**2.064**	**2.040**	**39.61**	**40.13**
Stddev	.000	.002	.005	.006	.002	.002	.002	.11	.06
%RSD	.0074	.1054	.2271	.2702	.0942	.0717	.1094	.2716	.1408
#1	2.031	2.076	2.036	2.117	2.066	2.063	2.039	39.54	40.09
#2	2.031	2.079	2.042	2.125	2.069	2.065	2.042	39.69	40.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.55**	**39.47**	**40.25**	**39.95**	**2.072**	**2.056**	**2.043**	**5.099**	**2.091**
Stddev	.03	.00	.01	.03	.005	.002	.001	.005	.001
%RSD	.0685	.0049	.0307	.0640	.2500	.0825	.0568	.1067	.0447
#1	40.53	39.47	40.25	39.93	2.068	2.055	2.042	5.095	2.090
#2	40.57	39.47	40.26	39.97	2.076	2.057	2.044	5.103	2.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 2:56:31 Type: QC
Method: Accutest1(v177) 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	**2.034**	**2.076**	**1.855**	**2.022**	**2.030**	**2.024**	**2.017**
Stddev	.004	.001	.008	.002	.003	.001	.002
%RSD	.1766	.0453	.4341	.0871	.1456	.0683	.0958
#1	2.031	2.076	1.849	2.024	2.028	2.023	2.016
#2	2.036	2.077	1.860	2.021	2.032	2.025	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94785.**	**13266.**	**2144.6**	**6447.1**
Stddev	66.	1.	2.4	12.7
%RSD	.06982	.00387	.11251	.19746
#1	94832.	13265.	2146.3	6456.1
#2	94739.	13266.	2142.9	6438.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 3:02:34 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**.0004**	**.0006**	**.0006**	**.0008**	**.0006**	**.0006**
Stddev	.0002	.0001	.0000	.0002	.0001	.0001	.0000	.0003
%RSD	25.55	18.60	11.19	33.00	22.74	10.91	4.539	52.23
#1	.0007	.0006	.0004	.0007	.0007	.0007	.0006	.0008
#2	.0005	.0004	.0005	.0004	.0005	.0008	.0006	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0003**	**.0003**	**.0002**	**.0002**	**-.0003**	**.0009**	**-.0007**
Stddev	.0003	.0001	.0001	.0002	.0011	.0007	.0010	.0009
%RSD	74.28	31.86	27.17	85.30	606.2	237.7	119.4	121.9
#1	-.0006	.0004	.0003	.0001	-.0006	-.0008	.0001	-.0013
#2	-.0002	.0002	.0004	.0004	.0010	.0002	.0016	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0130**	**.0139**	F **.0140**	**.0252**	**-.0272**	**.0101**	**.0015**	**.0006**
Stddev	.0049	.0022	.0015	.0335	.0308	.0033	.0010	.0007
%RSD	38.10	15.50	10.57	132.9	113.2	32.98	67.21	110.4
#1	.0095	.0155	.0151	.0488	-.0490	.0125	.0022	.0011
#2	.0165	.0124	.0130	.0015	-.0054	.0078	.0008	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 3:02:34 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0057**	**-.0004**	**.0005**	**.0005**	F **-.0173**	**.0000**	**.0012**
Stddev	.0001	.0007	.0010	.0001	.0001	.0008	.000	.0010
%RSD	8.734	11.87	238.5	24.41	9.665	4.826	242.4	77.10
#1	.0015	.0062	.0003	.0006	.0006	-.0168	.0000	.0019
#2	.0017	.0052	-.0011	.0004	.0005	-.0179	.0000	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0005**	**.0009**
Stddev	.0003	.0006
%RSD	60.33	66.12
#1	.0007	.0005
#2	.0003	.0013
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98927.**	**13288.**	**2220.7**	**7007.8**
Stddev	319.	37.	4.7	13.0
%RSD	.32214	.28096	.21260	.18527
#1	99152.	13262.	2224.0	7017.0
#2	98702.	13314.	2217.3	6998.6

Zoom In Zoom Out

Sample Name: jb69017-10 Acquired: 6/20/2014 3:08:51 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0275**	**.0001**	**.0003**	**.0008**	**.0043**	**.0020**	**.0819**	**.0010**	**-.0004**
Stddev	.0001	.0000	.0002	.0004	.0001	.0000	.0002	.0001	.0002
%RSD	.3481	15.80	50.52	54.97	2.737	1.107	.2297	13.65	57.07
#1	.0275	.0000	.0002	.0010	.0042	.0020	.0821	.0009	-.0002
#2	.0276	.0001	.0005	.0005	.0044	.0020	.0818	.0011	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0163**	**.0084**	**.0007**	**.0025**	**.0049**	**.0040**	**-.0021**	**.6616**	**52.76**
Stddev	.0000	.0000	.0001	.0005	.0003	.0008	.0005	.0064	.02
%RSD	.3002	.4989	13.19	19.19	6.627	21.02	25.32	.9610	.0413
#1	.0164	.0083	.0008	.0022	.0052	.0046	-.0025	.6571	52.77
#2	.0163	.0084	.0007	.0029	.0047	.0034	-.0018	.6661	52.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8746**	**18.48**	**.7755**	**10.10**	**.1220**	**.0005**	**-.0010**	**17.30**	**.0028**
Stddev	.0022	.02	.0030	.03	.0002	.0002	.0006	.05	.0001
%RSD	.2549	.0916	.3876	.2863	.1859	47.98	54.99	.2757	4.278
#1	.8761	18.49	.7776	10.12	.1219	.0003	-.0014	17.27	.0029
#2	.8730	18.46	.7734	10.08	.1222	.0006	-.0006	17.33	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0620**	**.0392**	**-.0188**	**.0004**	**12.28**	**-.0006**	**.0023**
Stddev	.0001	.0002	.0004	.0001	.00	.0003	.0013
%RSD	.1063	.6006	2.093	26.57	.0108	43.66	57.37
#1	.0620	.0394	-.0191	.0005	12.28	-.0008	.0014
#2	.0619	.0391	-.0186	.0004	12.27	-.0004	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98381.**	**13445.**	**2170.9**	**6720.3**
Stddev	85.	23.	2.6	4.5
%RSD	.08602	.17038	.11866	.06656
#1	98321.	13462.	2172.7	6723.4
#2	98441.	13429.	2169.1	6717.1

Zoom In Zoom Out

Sample Name: jb69017-1f Acquired: 6/20/2014 3:15:03 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0264**	**.0001**	**.0005**	**.0003**	**.0036**	**.0018**	**.0032**	**.0014**	**-.0002**
Stddev	.0000	.0000	.0003	.0002	.0003	.0000	.0000	.0000	.0002
%RSD	.1796	21.64	66.97	67.25	8.388	2.539	.3906	3.283	96.29
#1	.0264	.0001	.0003	.0005	.0039	.0017	.0032	.0013	-.0003
#2	.0263	.0001	.0007	.0002	.0034	.0018	.0032	.0014	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0084**	**.0082**	**-.0009**	**.0015**	**.0028**	**.0035**	**-.0016**	**.0018**	**40.52**
Stddev	.0003	.0001	.0006	.0006	.0007	.0003	.0006	.0048	.01
%RSD	3.079	.6915	67.65	41.42	26.79	9.990	38.19	258.7	.0168
#1	.0082	.0082	-.0013	.0019	.0023	.0037	-.0012	-.0015	40.52
#2	.0086	.0082	-.0004	.0011	.0033	.0033	-.0020	.0052	40.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0254**	**16.24**	**1.167**	**19.76**	**.1570**	**.0005**	**-.0009**	**14.71**	**.0022**
Stddev	.0001	.06	.002	.00	.0006	.0001	.0004	.01	.0015
%RSD	.4111	.3954	.1457	.0216	.3630	19.85	46.40	.0478	66.43
#1	.0255	16.29	1.166	19.75	.1566	.0005	-.0012	14.71	.0033
#2	.0254	16.20	1.168	19.76	.1574	.0006	-.0006	14.72	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0540**	**.0002**	**-.0187**	**.0001**	**13.25**	**-.0002**	**.0049**
Stddev	.0001	.0001	.0004	.0000	.00	.0012	.0002
%RSD	.0969	35.64	2.105	.1601	.0065	504.2	4.753
#1	.0540	.0003	-.0184	.0001	13.25	-.0011	.0051
#2	.0540	.0002	-.0189	.0001	13.25	.0006	.0047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98603.**	**13468.**	**2165.2**	**6720.4**
Stddev	47.	29.	4.9	14.1
%RSD	.04756	.21791	.22740	.20944
#1	98637.	13489.	2168.7	6730.3
#2	98570.	13448.	2161.7	6710.4

Zoom In Zoom Out

Sample Name: jb69017-2f Acquired: 6/20/2014 3:21:15 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0135**	**.0000**	**.0003**	**.0003**	**.0005**	**.0007**	**.1823**	**.0002**	**-.0002**
Stddev	.0001	.0000	.0001	.0002	.0001	.0001	.0002	.0001	.0006
%RSD	1.071	110.5	29.96	74.56	15.12	18.08	.1035	60.10	364.5
#1	.0134	.0000	.0004	.0005	.0005	.0008	.1824	.0003	.0003
#2	.0136	.0000	.0003	.0001	.0004	.0006	.1822	.0001	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0100**	**.0042**	**.0006**	**-.0018**	**.0029**	**.0023**	**-.0013**	**.0014**	**35.79**
Stddev	.0001	.0002	.0005	.0019	.0006	.0007	.0001	.0071	.01
%RSD	.5581	3.897	91.62	102.9	19.41	30.87	8.854	493.9	.0281
#1	.0101	.0041	.0002	-.0005	.0033	.0028	-.0013	.0065	35.78
#2	.0100	.0043	.0010	-.0031	.0025	.0018	-.0012	-.0036	35.80

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0055**	**13.05**	**4.507**	**11.82**	**.3078**	**.0016**	**-.0002**	**10.54**	**.0021**
Stddev	.0003	.07	.001	.01	.0014	.0000	.0010	.01	.0006
%RSD	5.172	.5066	.0247	.1038	.4694	.9658	596.0	.0908	27.61
#1	.0057	13.00	4.506	11.83	.3067	.0016	.0005	10.53	.0025
#2	.0053	13.10	4.507	11.82	.3088	.0016	-.0008	10.54	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2070**	**.0003**	**-.0170**	**.0006**	**15.78**	**.0003**	**.0088**
Stddev	.0010	.0003	.0004	.0000	.00	.0007	.0006
%RSD	.4901	131.8	2.190	.6593	.0238	274.9	6.988
#1	.2077	.0005	-.0173	.0006	15.78	-.0003	.0092
#2	.2063	.0000	-.0168	.0006	15.78	.0008	.0083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98696.**	**13507.**	**2171.0**	**6764.6**
Stddev	62.	89.	2.2	12.7
%RSD	.06332	.66038	.10053	.18707
#1	98652.	13570.	2172.6	6773.5
#2	98740.	13444.	2169.5	6755.6

Zoom In Zoom Out

Sample Name: jb69017-3f Acquired: 6/20/2014 3:27:26 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0103**	**.0000**	**.0006**	**.0003**	**.0008**	**.0027**	**.0061**	**.0009**	**-.0003**
Stddev	.0001	.000	.0002	.0003	.0003	.0000	.0000	.0001	.0005
%RSD	.7343	342.2	32.74	108.5	39.06	1.092	.7435	10.79	169.2
#1	.0103	.0000	.0007	.0006	.0010	.0027	.0061	.0008	.0001
#2	.0102	.0000	.0005	.0001	.0006	.0027	.0062	.0010	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0031**	**.0085**	**-.0007**	**-.0003**	**.0032**	**.0028**	**-.0013**	**-.0041**	**75.62**
Stddev	.0001	.0003	.0014	.0013	.0000	.0008	.0006	.0124	.12
%RSD	3.568	2.987	206.7	504.4	.2871	28.58	45.98	301.1	.1535
#1	.0032	.0087	.0003	.0007	.0032	.0023	-.0018	-.0129	75.70
#2	.0030	.0084	-.0017	-.0012	.0032	.0034	-.0009	.0046	75.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0022**	**30.04**	**1.528**	**38.11**	**.0545**	**.0007**	**-.0021**	**10.93**	**.0016**
Stddev	.0002	.17	.002	.13	.0003	.0000	.0006	.01	.0010
%RSD	9.353	.5650	.1154	.3282	.4784	4.140	30.31	.0806	64.67
#1	.0023	30.16	1.529	38.20	.0543	.0007	-.0026	10.93	.0023
#2	.0021	29.92	1.527	38.02	.0547	.0007	-.0017	10.94	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1199**	**.0005**	**-.0179**	**-.0011**	**2.560**	**.0007**	**.0037**
Stddev	.0007	.0002	.0000	.0000	.012	.0007	.0005
%RSD	.5667	39.36	.0060	3.140	.4484	105.6	12.55
#1	.1204	.0004	-.0179	-.0010	2.552	.0002	.0034
#2	.1194	.0007	-.0179	-.0011	2.568	.0012	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94566.**	**13420.**	**2123.5**	**6483.1**
Stddev	109.	60.	2.5	8.4
%RSD	.11548	.44975	.11764	.12973
#1	94488.	13462.	2125.3	6489.0
#2	94643.	13377.	2121.7	6477.1

Zoom In Zoom Out

Sample Name: jb69017-4f Acquired: 6/20/2014 3:33:38 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0016**	**.0000**	**.0003**	**.0002**	**.0006**	**.0036**	**.0022**	**.0019**	**-.0004**
Stddev	.0002	.000	.0001	.0002	.0002	.0000	.0000	.0003	.0000
%RSD	9.435	76.89	23.91	76.47	29.69	.1299	.0039	13.33	.0176
#1	.0015	-.0001	.0004	.0001	.0005	.0036	.0022	.0017	-.0004
#2	.0017	.0000	.0003	.0003	.0008	.0036	.0022	.0021	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0099**	**-.0002**	**-.0004**	**.0019**	**.0031**	**-.0010**	**.0027**	**22.52**
Stddev	.0002	.0001	.0004	.0013	.0001	.0017	.0002	.0001	.01
%RSD	24.91	.9156	227.0	316.9	7.249	55.94	23.05	5.557	.0493
#1	.0008	.0098	.0001	.0005	.0018	.0043	-.0012	.0026	22.53
#2	.0011	.0099	-.0005	-.0014	.0020	.0019	-.0008	.0028	22.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0031**	**9.281**	**.3108**	**7.115**	**.0138**	**-.0007**	**-.0008**	**8.586**	**.0014**
Stddev	.0008	.018	.0142	.009	.0004	.0001	.0004	.010	.0001
%RSD	25.52	.1936	4.580	.1319	2.842	17.20	50.62	.1159	7.731
#1	.0026	9.293	.3209	7.108	.0135	-.0006	-.0005	8.579	.0013
#2	.0037	9.268	.3008	7.121	.0141	-.0008	-.0011	8.593	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0236**	**.0002**	**-.0204**	**-.0006**	**3.226**	**.0003**	**.0000**
Stddev	.0001	.0000	.0007	.0002	.001	.0006	.0011
%RSD	.4413	20.86	3.294	35.12	.0264	194.8	6612.
#1	.0237	.0001	-.0209	-.0005	3.226	-.0001	-.0007
#2	.0236	.0002	-.0199	-.0008	3.225	.0008	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97896.**	**13557.**	**2185.6**	**6828.7**
Stddev	330.	43.	5.1	9.7
%RSD	.33692	.31524	.23182	.14247
#1	97663.	13587.	2189.1	6835.6
#2	98129.	13527.	2182.0	6821.8

Zoom In Zoom Out

Sample Name: jb69017-5f Acquired: 6/20/2014 3:39:52 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0053**	**.0000**	**.0005**	**.0003**	**.0016**	**.0032**	**.0007**	**.0006**	**-.0002**
Stddev	.0000	.000	.0000	.0002	.0005	.0001	.0000	.0002	.0004
%RSD	.8542	36.62	6.962	59.09	32.11	4.535	3.221	32.40	170.3
#1	.0053	.0000	.0004	.0004	.0013	.0031	.0006	.0005	.0000
#2	.0053	.0000	.0005	.0002	.0020	.0033	.0007	.0007	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0119**	**.0000**	**.0000**	**.0019**	**.0031**	**-.0015**	**.0046**	**25.21**
Stddev	.0000	.0001	.0005	.002	.0009	.0004	.0001	.0119	.02
%RSD	.3220	.7784	1547.	5906.	48.87	13.19	4.613	261.3	.0785
#1	.0047	.0119	-.0003	-.0013	.0025	.0033	-.0015	.0130	25.20
#2	.0047	.0118	.0004	.0013	.0012	.0028	-.0016	-.0039	25.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0046**	**8.971**	**1.053**	**44.31**	**.0552**	**.0010**	**-.0007**	**9.918**	**.0012**
Stddev	.0012	.059	.025	.06	.0006	.0001	.0009	.035	.0000
%RSD	25.79	.6560	2.352	.1258	1.173	14.35	134.3	.3570	2.250
#1	.0055	9.013	1.035	44.27	.0557	.0009	.0000	9.893	.0012
#2	.0038	8.930	1.070	44.35	.0548	.0011	-.0013	9.943	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0439**	**.0003**	**-.0203**	**-.0006**	**5.271**	**-.0002**	**.0014**
Stddev	.0001	.0002	.0003	.0002	.002	.0006	.0003
%RSD	.2416	71.09	1.292	38.28	.0454	268.5	22.25
#1	.0440	.0001	-.0205	-.0005	5.269	-.0006	.0012
#2	.0438	.0004	-.0201	-.0008	5.273	.0002	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92625.**	**13571.**	**2143.1**	**6566.0**
Stddev	79.	28.	5.9	6.0
%RSD	.08576	.20726	.27645	.09065
#1	92569.	13551.	2147.3	6570.2
#2	92682.	13591.	2138.9	6561.8

Zoom In Zoom Out

Sample Name: jb69017-6f Acquired: 6/20/2014 3:46:05 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0099**	**.0000**	**.0007**	**.0001**	**.0006**	**.0017**	**.0541**	**.0021**	**-.0002**
Stddev	.0002	.000	.0001	.0001	.0001	.0001	.0001	.0000	.0002
%RSD	1.658	571.3	18.99	61.17	18.36	6.686	.1427	2.181	90.55
#1	.0098	.0000	.0006	.0001	.0005	.0016	.0542	.0022	-.0001
#2	.0100	.0000	.0008	.0002	.0007	.0018	.0541	.0021	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0134**	**.0054**	**.0013**	**.0016**	**.0020**	**.0027**	**-.0010**	**-.0043**	**41.61**
Stddev	.0001	.0003	.0011	.0009	.0002	.0003	.0004	.0036	.03
%RSD	.5547	4.750	79.47	57.56	9.894	11.99	40.08	85.39	.0608
#1	.0133	.0053	.0021	.0023	.0021	.0024	-.0007	-.0017	41.60
#2	.0135	.0056	.0006	.0010	.0019	.0029	-.0013	-.0069	41.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**11.49**	**.8762**	**7.691**	**.3667**	**.0015**	**-.0015**	**10.82**	**.0021**
Stddev	.0011	.05	.0207	.003	.0008	.0001	.0011	.03	.0001
%RSD	30.26	.4051	2.361	.0366	.2231	8.349	72.99	.3077	4.433
#1	.0028	11.52	.8616	7.689	.3661	.0016	-.0023	10.80	.0020
#2	.0044	11.45	.8909	7.693	.3673	.0014	-.0007	10.85	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0852**	**.0003**	**-.0192**	**.0004**	**17.62**	**.0001**	**.0011**
Stddev	.0001	.0004	.0004	.0000	.12	.0000	.0001
%RSD	.1557	139.0	2.243	5.413	.6929	46.95	5.449
#1	.0853	.0000	-.0189	.0004	17.53	.0001	.0011
#2	.0851	.0006	-.0196	.0004	17.71	.0000	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93580.**	**13563.**	**2150.0**	**6677.5**
Stddev	104.	6.	4.0	7.8
%RSD	.11103	.04113	.18543	.11708
#1	93506.	13559.	2152.8	6683.1
#2	93653.	13567.	2147.1	6672.0

Zoom In Zoom Out

Sample Name: jb69017-7f Acquired: 6/20/2014 3:52:17 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**.0000**	**.0001**	**-.0001**	**.0008**	**.0003**	**.0001**	**-.0003**
Stddev	.0001	.0000	.000	.0001	.0002	.0001	.0000	.0003	.0005
%RSD	44.49	47.30	6622.	83.36	130.3	15.36	1.496	245.1	163.9
#1	-.0001	-.0001	.0001	.0002	-.0002	.0009	.0003	-.0001	-.0007
#2	-.0002	.0000	-.0001	.0000	.0000	.0007	.0003	.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0005**	**-.0006**	**.0005**	**.0001**	**.0036**	**-.0006**	**.0037**	**.0198**
Stddev	.0002	.0001	.0008	.0003	.0001	.0005	.0003	.0009	.0015
%RSD	150.8	13.51	131.8	64.34	66.89	13.34	53.45	24.83	7.813
#1	.0000	.0006	-.0012	.0003	.0001	.0039	-.0004	.0043	.0209
#2	-.0002	.0005	.0000	.0007	.0001	.0032	-.0008	.0030	.0187

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0041**	**.0019**	**-.0416**	**.0098**	**-.0004**	**-.0012**	**.0015**	**.0140**	**-.0006**
Stddev	.0011	.0095	.0037	.0021	.0003	.0001	.0007	.0005	.0002
%RSD	26.64	510.7	8.939	21.35	78.72	5.144	50.50	3.756	26.59
#1	.0049	.0086	-.0443	.0083	-.0005	-.0011	.0020	.0137	-.0008
#2	.0034	-.0049	-.0390	.0113	-.0002	-.0012	.0009	.0144	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0003**	**-.0155**	**-.0007**	**.0096**	**.0000**	**.0002**
Stddev	.0001	.0000	.0002	.0001	.0015	.0004	.0003
%RSD	56.32	6.926	1.005	11.88	15.26	942.2	146.4
#1	.0001	-.0003	-.0156	-.0006	.0086	.0004	.0003
#2	.0002	-.0003	-.0154	-.0007	.0107	-.0003	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98474.**	**13711.**	**2204.1**	**6984.2**
Stddev	281.	22.	3.3	11.3
%RSD	.28560	.15910	.14998	.16244
#1	98275.	13696.	2206.5	6992.2
#2	98673.	13726.	2201.8	6976.1

Zoom In Zoom Out

Sample Name: jb69017-9f Acquired: 6/20/2014 3:58:33 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0092**	**.0000**	**.0004**	**.0006**	**.0005**	**.0016**	**.3414**	**.0010**	**-.0004**
Stddev	.0000	.000	.0000	.0001	.0001	.0000	.0005	.0001	.0003
%RSD	.0809	66.93	4.486	19.43	23.33	1.099	.1482	8.994	82.10
#1	.0092	-.0001	.0004	.0007	.0004	.0016	.3418	.0009	-.0006
#2	.0092	.0000	.0005	.0005	.0006	.0016	.3411	.0010	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0088**	**.0070**	**.0017**	**.0005**	**.0038**	**.0027**	**-.0013**	**-.0031**	**40.24**
Stddev	.0000	.0000	.0002	.0010	.0005	.0006	.0007	.0010	.07
%RSD	.0095	.5621	11.40	209.4	11.88	23.51	51.12	32.23	.1648
#1	.0088	.0070	.0018	-.0002	.0041	.0022	-.0018	-.0039	40.20
#2	.0088	.0069	.0016	.0011	.0035	.0031	-.0008	-.0024	40.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**13.95**	**.8225**	**7.046**	**.2072**	**.0010**	**-.0008**	**12.99**	**.0009**
Stddev	.0001	.05	.0046	.012	.0006	.0001	.0004	.06	.0002
%RSD	4.478	.3270	.5552	.1691	.2993	10.28	51.04	.4289	26.08
#1	.0021	13.92	.8193	7.037	.2068	.0011	-.0011	12.95	.0008
#2	.0020	13.98	.8257	7.054	.2076	.0009	-.0005	13.03	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0656**	**.0003**	**-.0150**	**-.0001**	**15.94**	**.0006**	**.0016**
Stddev	.0001	.0004	.0003	.0000	.04	.0008	.0011
%RSD	.2041	116.5	1.870	27.55	.2308	125.9	71.84
#1	.0655	.0001	-.0148	-.0001	15.97	.0001	.0024
#2	.0657	.0006	-.0152	-.0001	15.92	.0012	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95994.**	**13712.**	**2148.6**	**6689.0**
Stddev	82.	2.	5.3	13.2
%RSD	.08560	.01108	.24517	.19800
#1	95936.	13711.	2152.3	6698.4
#2	96052.	13713.	2144.9	6679.7

Zoom In Zoom Out

Sample Name: jb69017-10f Acquired: 6/20/2014 4:04:46 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0225**	**.0000**	**.0005**	**.0003**	**.0032**	**.0016**	**.0566**	**.0003**	**-.0004**
Stddev	.0004	.000	.0000	.0001	.0003	.0000	.0003	.0001	.0000
%RSD	1.751	107.1	10.09	28.56	9.143	.7030	.4493	27.41	4.428
#1	.0223	.0000	.0005	.0004	.0034	.0016	.0568	.0004	-.0004
#2	.0228	.0000	.0005	.0003	.0030	.0016	.0564	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0135**	**.0065**	**.0005**	**.0023**	**.0034**	**.0034**	**-.0014**	**-.0081**	**50.58**
Stddev	.0002	.0002	.0000	.0005	.0000	.0001	.0004	.0044	.05
%RSD	1.695	3.680	3.796	23.25	.2867	2.952	25.95	54.35	.0957
#1	.0136	.0064	.0005	.0019	.0034	.0034	-.0017	-.0050	50.54
#2	.0133	.0067	.0006	.0026	.0034	.0033	-.0012	-.0113	50.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0008**	**17.31**	**.6064**	**9.753**	**.1217**	**-.0002**	**-.0021**	**15.95**	**.0017**
Stddev	.0002	.09	.0049	.011	.0005	.0001	.0006	.03	.0002
%RSD	23.00	.5131	.8163	.1143	.4111	40.25	29.32	.2093	9.184
#1	.0010	17.24	.6029	9.745	.1214	-.0003	-.0017	15.93	.0018
#2	.0007	17.37	.6099	9.761	.1221	-.0001	-.0025	15.97	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0589**	**.0002**	**-.0214**	**-.0008**	**12.21**	**.0000**	**.0020**
Stddev	.0001	.0001	.0004	.0001	.07	.000	.0001
%RSD	.1033	69.26	1.724	8.187	.5329	777.6	6.397
#1	.0588	.0001	-.0212	-.0008	12.16	.0001	.0021
#2	.0589	.0003	-.0217	-.0009	12.25	-.0001	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95596.**	**13677.**	**2131.9**	**6598.6**
Stddev	389.	13.	1.3	11.1
%RSD	.40739	.09205	.06041	.16816
#1	95320.	13686.	2132.8	6606.4
#2	95871.	13668.	2131.0	6590.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 4:11:00 Type: QC
Method: Accutest1(v177) 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	**2.034**	**2.053**	**2.093**	**2.094**	**2.042**	**2.087**	**2.135**	**2.110**	**.2598**
Stddev	.005	.000	.008	.009	.003	.001	.003	.012	.0003
%RSD	.2619	.0119	.3744	.4068	.1330	.0503	.1306	.5660	.1191
#1	2.030	2.053	2.087	2.088	2.040	2.087	2.137	2.101	.2600
#2	2.038	2.053	2.098	2.100	2.044	2.086	2.133	2.118	.2595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**2.079**	**2.081**	**2.148**	**2.073**	**2.113**	**2.081**	**39.09**	**39.41**
Stddev	.003	.006	.011	.029	.012	.006	.005	.06	.04
%RSD	.1209	.2814	.5093	1.362	.5975	.3067	.2443	.1460	.0960
#1	2.054	2.075	2.074	2.127	2.064	2.109	2.077	39.05	39.44
#2	2.058	2.084	2.089	2.168	2.082	2.118	2.084	39.13	39.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.98**	**37.92**	**39.98**	**39.15**	**2.127**	**2.073**	**2.113**	**5.195**	**2.125**
Stddev	.16	.04	.09	.09	.008	.006	.006	.012	.014
%RSD	.3830	.1026	.2214	.2177	.3867	.2747	.2678	.2351	.6494
#1	41.09	37.95	39.91	39.09	2.122	2.069	2.117	5.186	2.115
#2	40.87	37.89	40.04	39.21	2.133	2.077	2.109	5.204	2.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 4:11:00 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**2.126**	**1.885**	**2.038**	**2.071**	**2.070**	**2.041**
Stddev	.007	.005	.009	.004	.014	.002	.002
%RSD	.3709	.2225	.4664	.2194	.6595	.1153	.1015
#1	1.993	2.129	1.878	2.034	2.061	2.068	2.040
#2	2.003	2.122	1.891	2.041	2.081	2.072	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92329.**	**13469.**	**2095.9**	**6312.9**
Stddev	52.	35.	.7	17.9
%RSD	.05612	.26092	.03470	.28334
#1	92292.	13444.	2096.4	6325.6
#2	92365.	13494.	2095.4	6300.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 4:17:04 Type: QC
Method: Accutest1(v177) 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**	**.0003**	**.0002**	**.0005**	**.0001**	**.0009**	**.0004**	**.0007**
Stddev	.0001	.0000	.0000	.0000	.0001	.0003	.0000	.0001
%RSD	27.16	10.08	11.86	.4905	102.3	32.44	9.922	20.20
#1	.0002	.0002	.0002	.0005	.0002	.0012	.0004	.0008
#2	.0002	.0003	.0002	.0005	.0000	.0007	.0004	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0003**	**.0002**	**.0004**	**.0004**	**-.0003**	**.0025**	**-.0006**
Stddev	.0001	.0003	.0002	.0000	.0011	.0000	.0013	.0004
%RSD	95.12	73.91	128.9	7.014	304.5	6.823	51.48	66.36
#1	-.0002	.0005	.0000	.0004	-.0004	-.0003	.0035	-.0008
#2	.0000	.0002	.0004	.0004	.0011	-.0003	.0016	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0101**	F **.0105**	**.0242**	**-.0448**	**.0024**	**.0016**	**.0005**
Stddev	.0057	.0003	.0010	.0013	.0164	.0044	.0001	.0003
%RSD	387.3	3.176	9.673	5.362	36.59	180.4	3.942	54.82
#1	.0055	.0103	.0112	.0251	-.0332	-.0007	.0016	.0007
#2	-.0026	.0099	.0098	.0233	-.0563	.0055	.0015	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 4:17:04 Type: QC
Method: Accutest1(v177) 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**	**.0060**	**-.0008**	**.0003**	**.0004**	F **-.0154**	**-.0001**	**.0006**
Stddev	.0004	.0010	.0004	.0001	.0000	.0007	.0002	.0019
%RSD	71.65	17.12	54.93	23.58	.6336	4.643	208.8	306.9
#1	.0009	.0068	-.0011	.0002	.0004	-.0149	-.0002	.0020
#2	.0003	.0053	-.0005	.0003	.0004	-.0159	.0000	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0004**	**.0013**
Stddev	.0002	.0005
%RSD	46.13	41.08
#1	.0002	.0009
#2	.0005	.0016
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97710.**	**13551.**	**2172.9**	**6859.9**
Stddev	399.	13.	.7	17.0
%RSD	.40859	.09285	.03237	.24831
#1	97428.	13560.	2173.4	6871.9
#2	97992.	13542.	2172.4	6847.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 4:23:23 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2078**	**.0022**	**.0032**	**.0533**	**.0107**	**.0111**	**.0170**	**.0110**	**.0051**
Stddev	.0000	.0000	.0002	.0001	.0000	.0001	.0000	.0002	.0002
%RSD	.0187	.0946	4.670	.2639	.2697	.5386	.2270	2.253	4.513
#1	.2078	.0022	.0031	.0532	.0107	.0111	.0170	.0112	.0049
#2	.2078	.0022	.0034	.0534	.0107	.0112	.0170	.0108	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0513**	**.0240**	**.0101**	**.0082**	**.0033**	**.0112**	**.0051**	**.2054**	**4.840**
Stddev	.0002	.0001	.0003	.0022	.0007	.0016	.0001	.0019	.004
%RSD	.4394	.2296	3.119	26.82	21.64	14.74	1.285	.9287	.0719
#1	.0511	.0240	.0099	.0098	.0039	.0100	.0051	.2067	4.838
#2	.0514	.0240	.0103	.0066	.0028	.0124	.0050	.2040	4.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1088**	**4.792**	**4.947**	**4.927**	**.1097**	**.0209**	**.0602**	**.2145**	**.0110**
Stddev	.0021	.008	.013	.002	.0001	.0002	.0011	.0003	.0008
%RSD	1.951	.1719	.2632	.0378	.0766	.9090	1.882	.1287	7.099
#1	.1073	4.786	4.956	4.926	.1098	.0208	.0594	.2143	.0104
#2	.1103	4.798	4.938	4.929	.1097	.0211	.0610	.2147	.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: 6/20/2014 4:23:23 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0114**	F **.0347**	**.0114**	**.0516**	**.0215**	**.0227**
Stddev	.0001	.0000	.0004	.0001	.0024	.0005	.0001
%RSD	1.070	.1892	1.087	.9942	4.734	2.240	.2336
#1	.0105	.0114	.0344	.0113	.0534	.0218	.0228
#2	.0104	.0114	.0349	.0115	.0499	.0212	.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	**96291.**	**13586.**	**2156.9**	**6746.0**
Stddev	17.	55.	4.2	20.6
%RSD	.01764	.40418	.19578	.30476
#1	96303.	13624.	2159.9	6760.5
#2	96279.	13547.	2153.9	6731.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 4:29:37 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0011**	**.0012**	**.0034**	**.0025**	**.0024**	**.0034**	**.0052**	**.0008**
Stddev	.0000	.0000	.0002	.0002	.0001	.0001	.0001	.0000	.0000
%RSD	.2224	3.826	17.76	5.721	4.097	5.032	1.754	.8208	.7600
#1	.0040	.0011	.0010	.0035	.0024	.0025	.0034	.0051	.0008
#2	.0040	.0011	.0013	.0032	.0025	.0024	.0033	.0052	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0120**	**.0024**	**.0025**	**.0020**	F **.0070**	F **.0017**	**.1039**	**1.007**
Stddev	.0000	.0002	.0008	.0011	.0000	.0010	.0012	.0008	.002
%RSD	1.871	1.645	35.06	45.00	.2375	14.60	71.92	.7350	.1930
#1	.0019	.0118	.0030	.0017	.0020	.0063	.0026	.1044	1.009
#2	.0019	.0121	.0018	.0033	.0020	.0077	.0009	.1034	1.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value						.0050	.0030		
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	**.0016**	**.1092**	**2.012**	**.9907**	**.0102**	**-.0010**	**.0004**	**.0004**	**-.0003**
Stddev	.0018	.0023	.023	.0037	.0007	.0004	.0006	.0001	.0011
%RSD	112.3	2.114	1.130	.3704	6.765	38.69	166.3	27.88	366.2
#1	.0003	.1075	2.028	.9881	.0107	-.0008	-.0001	.0004	-.0011
#2	.0028	.1108	1.996	.9933	.0097	-.0013	.0008	.0005	.0005
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 4:29:37 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0203**	**-.0007**	**.0022**	**.0003**	**.0010**
Stddev	.000	.0003	.0009	.0000	.0005	.0006	.0004
%RSD	168.1	746.4	4.193	2.478	23.23	179.7	40.82
#1	.0000	.0002	-.0197	-.0007	.0018	-.0001	.0012
#2	-.0001	-.0002	-.0209	-.0007	.0025	.0008	.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97549.**	**13598.**	**2167.2**	**6826.7**
Stddev	206.	19.	5.9	24.0
%RSD	.21153	.14047	.27161	.35213
#1	97403.	13584.	2171.4	6843.7
#2	97694.	13611.	2163.1	6809.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 4:35:56 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0006**	**.0000**	**.0003**	**.0001**
Stddev	.0001	.000	.0000	.000	.000	.0002	.0001	.0001	.0002
%RSD	50.01	40.04	10.41	9629.	948.8	38.04	205.3	25.70	146.7
#1	-.0001	.0000	.0001	.0000	-.0002	.0008	.0000	.0004	.0002
#2	-.0003	.0000	.0001	.0000	.0002	.0004	.0001	.0003	.0000
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0206**	**-.0003**	**.0202**	**.0260**	**.0193**	**.4937**	**.0020**
Stddev	.000	.0002	.0006	.0017	.0001	.0003	.0011	.0013	.0018
%RSD	419.5	157.6	2.669	513.9	.6128	.9688	5.636	.2563	90.26
#1	-.0001	.0000	.0210	.0009	.0203	.0258	.0185	.4928	.0033
#2	.0001	.0002	.0202	-.0015	.0201	.0262	.0200	.4946	.0007
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	**.5228**	**.0145**	**-.0587**	**-.0067**	**-.0004**	**-.0011**	**.0010**	**.0002**	**-.0005**
Stddev	.0000	.0068	.0088	.0062	.0010	.0001	.0011	.0006	.0007
%RSD	.0003	46.74	14.96	92.67	235.0	6.455	107.1	263.9	145.9
#1	.5228	.0097	-.0649	-.0023	.0003	-.0011	.0002	-.0002	-.0010
#2	.5228	.0193	-.0525	-.0110	-.0012	-.0012	.0018	.0006	.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 4:35:56 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0214**	**-.0006**	**.0018**	**.0009**	**.0012**
Stddev	.000	.0002	.0006	.0000	.0002	.0006	.0004
%RSD	168.3	326.5	2.987	5.886	12.23	70.98	37.10
#1	.0000	.0001	-.0218	-.0006	.0016	.0014	.0009
#2	-.0001	-.0002	-.0209	-.0006	.0019	.0005	.0015
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	**98206.**	**13554.**	**2167.0**	**6845.2**
Stddev	27.	42.	11.9	34.4
%RSD	.02725	.30868	.55106	.50268
#1	98188.	13525.	2175.4	6869.5
#2	98225.	13584.	2158.6	6820.9

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/20/2014 4:42:15 Type: Unk
Method: Accutest1(v177) Mode: CONC 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**	**-.0003**	**.0002**	**.0003**	**.0005**	**-.0001**	**10.19**	**.0005**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0004	.0000	.00	.0000	.0001
%RSD	20.25	6.854	62.93	37.07	70.63	21.69	.0419	2.047	39.56
#1	-.0001	-.0003	.0003	.0002	.0008	-.0001	10.19	.0005	.0004
#2	-.0001	-.0003	.0001	.0004	.0003	-.0002	10.19	.0005	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0056**	**.0030**	**.0000**	**.0003**	**-.0002**	**-.0010**	**-.0008**	**.0011**	**.0213**
Stddev	.0001	.0001	.001	.0001	.0002	.0004	.0007	.0035	.0009
%RSD	1.467	3.250	2519.	24.11	84.95	41.20	92.19	320.7	4.033
#1	.0055	.0031	.0005	.0002	-.0003	-.0007	-.0013	.0036	.0219
#2	.0056	.0030	-.0005	.0003	-.0001	-.0014	-.0003	-.0014	.0207

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**-.0386**	**-.0231**	**-.0005**	**-.0007**	**-.0015**	**.0016**	**-.0363**	**-.0005**
Stddev	.0007	.0005	.0146	.0020	.0001	.0000	.0011	.0000	.0003
%RSD	169.0	1.338	63.46	385.5	9.632	1.123	69.28	.0532	67.54
#1	-.0001	-.0382	-.0334	-.0019	-.0007	-.0015	.0024	-.0364	-.0003
#2	.0010	-.0389	-.0127	.0009	-.0006	-.0014	.0008	-.0363	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0212**	**-.0014**	**-.0014**	**.0010**	**.0008**
Stddev	.0000	.0000	.0010	.0001	.0015	.0004	.0007
%RSD	15.71	5.059	4.800	4.346	101.1	35.77	92.05
#1	-.0001	-.0003	-.0205	-.0014	-.0004	.0007	.0013
#2	-.0001	-.0003	-.0219	-.0013	-.0025	.0012	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98092.**	**13607.**	**2163.8**	**6823.5**
Stddev	196.	14.	6.5	28.3
%RSD	.19958	.09985	.30101	.41464
#1	98230.	13597.	2168.4	6843.5
#2	97954.	13616.	2159.2	6803.5

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/20/2014 4:48:39 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0002**	**.0002**	**.0001**	**.0008**	**.0007**	**.0000**	**.0000**
Stddev	.0001	.000	.0000	.0003	.0001	.0004	.0001	.0002	.000
%RSD	172.8	33.33	9.986	176.7	84.79	50.93	19.83	1077.	347.7
#1	.0000	-.0001	.0002	.0000	.0000	.0005	.0006	-.0001	-.0001
#2	-.0002	.0000	.0002	.0004	.0001	.0010	.0008	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0116**	**-.0001**	**.0015**	**.0039**	**.0074**	**-.0004**	**-.0034**	**.0165**
Stddev	.0002	.0001	.0003	.0001	.0007	.0004	.0001	.0008	.0016
%RSD	111.9	1.128	245.4	8.287	17.66	5.807	35.53	24.41	9.685
#1	.0000	.0115	-.0003	.0016	.0034	.0071	-.0005	-.0028	.0153
#2	.0003	.0116	.0001	.0014	.0044	.0077	-.0003	-.0040	.0176

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0041**	**.0135**	**-.0231**	**-.0011**	**.0014**	**-.0008**	**-.0005**	**20.31**	**-.0013**
Stddev	.0021	.0082	.0129	.0084	.0001	.0000	.0005	.02	.0008
%RSD	52.36	60.58	55.66	764.6	6.635	1.604	100.8	.1075	58.44
#1	.0026	.0077	-.0322	.0049	.0013	-.0008	-.0009	20.30	-.0019
#2	.0056	.0192	-.0140	-.0071	.0015	-.0008	-.0002	20.33	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0014**	**-.0147**	**.0176**	**.0010**	**.0000**	**.0005**
Stddev	.0001	.0004	.0001	.0015	.0007	.0006	.0010
%RSD	302.6	26.21	.4894	8.715	67.90	2337.	196.3
#1	.0000	.0017	-.0146	.0187	.0005	-.0004	-.0002
#2	.0001	.0012	-.0147	.0165	.0015	.0005	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97696.**	**13645.**	**2174.0**	**6845.5**
Stddev	285.	75.	7.2	31.2
%RSD	.29162	.54726	.33275	.45562
#1	97897.	13593.	2179.1	6867.6
#2	97494.	13698.	2168.9	6823.5

Zoom In Zoom Out

Sample Name: vconf Acquired: 6/20/2014 4:54:58 Type: Unk
Method: Accutest1(v177) Mode: CONC 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**	**-.0030**	**.0005**	**.0004**	**-.0001**	**-.0019**	**.0001**	**.0004**	**-.0038**
Stddev	.0001	.0001	.0000	.0000	.0001	.0000	.0000	.0001	.0002
%RSD	151.3	4.115	3.636	7.763	52.47	2.518	25.22	12.05	4.957
#1	.0000	-.0030	.0005	.0004	-.0002	-.0019	.0001	.0005	-.0039
#2	-.0002	-.0031	.0005	.0003	-.0001	-.0019	.0001	.0004	-.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.606**	**-.0004**	**.0008**	**-.0023**	**-.0007**	**-.0026**	**.0016**	**-.0004**	**.0166**
Stddev	.008	.0001	.0001	.0003	.0003	.0006	.0000	.0009	.0012
%RSD	.0829	15.11	11.14	13.71	40.28	23.30	3.048	237.2	7.126
#1	9.600	-.0005	.0007	-.0026	-.0005	-.0022	.0015	.0002	.0157
#2	9.611	-.0004	.0009	-.0021	-.0010	-.0030	.0016	-.0010	.0174

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0062**	**.0074**	**-.0655**	**-.0081**	**-.0005**	**-.0043**	**.0004**	**.0179**	**-.0009**
Stddev	.0012	.0034	.0091	.0010	.0002	.0000	.0004	.0001	.0010
%RSD	19.09	46.23	13.85	12.31	48.77	.0115	95.55	.4913	116.1
#1	.0070	.0050	-.0720	-.0088	-.0003	-.0043	.0008	.0180	-.0002
#2	.0054	.0098	-.0591	-.0074	-.0007	-.0043	.0001	.0178	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0312**	**-.0011**	**.0011**	**-.0042**	**.0008**
Stddev	.000	.0003	.0006	.0000	.0024	.0011	.0006
%RSD	157.4	208.7	1.784	1.775	208.7	26.55	75.24
#1	.0000	.0004	-.0308	-.0011	-.0005	-.0049	.0004
#2	.0000	-.0001	-.0316	-.0011	.0028	-.0034	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97173.**	**13613.**	**2151.2**	**6790.8**
Stddev	132.	13.	8.0	24.4
%RSD	.13548	.09325	.37198	.35861
#1	97266.	13622.	2156.9	6808.0
#2	97080.	13604.	2145.6	6773.6

Zoom In Zoom Out

Sample Name: moconf Acquired: 6/20/2014 5:01:16 Type: Unk
Method: Accutest1(v177) Mode: CONC 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**	**.0005**	**-.0162**	**-.0001**	**.0007**	**.0013**	**.0016**	**-.0007**
Stddev	.0000	.000	.0001	.0002	.0000	.0000	.0001	.0002	.0001
%RSD	2.224	124.5	11.33	1.282	38.27	6.338	6.049	15.16	11.24
#1	-.0006	.0000	.0005	-.0161	-.0001	.0006	.0013	.0014	-.0006
#2	-.0006	-.0001	.0005	-.0163	-.0001	.0007	.0012	.0017	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0483**	**.0020**	**.0037**	**.0072**	**-.0024**	**.0052**	**-.0038**	**.0087**	**.0284**
Stddev	.0006	.0001	.0000	.0016	.0012	.0017	.0002	.0013	.0016
%RSD	1.304	7.419	.2814	22.80	50.33	32.15	5.899	14.83	5.815
#1	.0479	.0021	.0037	.0083	-.0016	.0064	-.0037	.0097	.0295
#2	.0488	.0019	.0037	.0060	-.0033	.0040	-.0040	.0078	.0272

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0045**	**.1236**	**-.0287**	**.0255**	**.0137**	**11.29**	**.0014**	**-.0178**	**-.0016**
Stddev	.0011	.0355	.0187	.0001	.0002	.02	.0004	.0004	.0001
%RSD	24.29	28.70	65.00	.2461	1.410	.2106	29.88	2.397	3.930
#1	.0052	.1487	-.0419	.0256	.0139	11.27	.0011	-.0175	-.0015
#2	.0037	.0985	-.0155	.0255	.0136	11.30	.0017	-.0181	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0014**	**-.0234**	**.0074**	**.0044**	**-.0006**	**.0009**
Stddev	.000	.0003	.0003	.0000	.0005	.0003	.0001
%RSD	523.6	21.03	1.258	.1980	11.97	47.98	15.00
#1	.0000	-.0012	-.0231	.0074	.0040	-.0004	.0008
#2	.0000	-.0016	-.0236	.0075	.0047	-.0008	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96679.**	**13797.**	**2153.6**	**6834.6**
Stddev	47.	24.	8.2	18.4
%RSD	.04910	.17258	.37863	.26924
#1	96646.	13813.	2159.3	6847.6
#2	96713.	13780.	2147.8	6821.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 5:07:32 Type: QC
Method: Accutest1(v177) 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	**2.033**	**2.043**	**2.085**	**2.079**	**2.022**	**2.091**	**2.131**	**2.089**	**.2612**
Stddev	.004	.001	.006	.005	.001	.000	.003	.004	.0003
%RSD	.1911	.0292	.3032	.2568	.0716	.0178	.1610	.2075	.1074
#1	2.031	2.043	2.080	2.076	2.021	2.092	2.128	2.086	.2614
#2	2.036	2.042	2.089	2.083	2.023	2.091	2.133	2.092	.2610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**2.045**	**2.071**	**2.120**	**2.043**	**2.115**	**2.081**	**39.40**	**39.49**
Stddev	.002	.004	.011	.029	.007	.011	.010	.03	.11
%RSD	.0728	.1869	.5336	1.359	.3646	.5016	.4609	.0733	.2743
#1	2.056	2.043	2.063	2.100	2.038	2.108	2.074	39.42	39.57
#2	2.058	2.048	2.079	2.141	2.048	2.123	2.088	39.38	39.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.84**	**37.88**	**40.25**	**39.39**	**2.139**	**2.063**	**2.116**	**5.263**	**2.105**
Stddev	.05	.14	.03	.01	.008	.009	.002	.024	.008
%RSD	.1244	.3818	.0768	.0142	.3749	.4520	.0863	.4550	.3935
#1	40.87	37.98	40.23	39.40	2.134	2.056	2.117	5.246	2.099
#2	40.80	37.78	40.27	39.39	2.145	2.069	2.115	5.280	2.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 5:07:32 Type: QC
Method: Accutest1(v177) 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	**2.001**	**2.130**	**1.846**	**2.023**	**2.077**	**2.078**	**2.047**
Stddev	.001	.002	.010	.001	.017	.010	.004
%RSD	.0259	.0776	.5633	.0508	.8013	.4809	.1800
#1	2.001	2.129	1.838	2.023	2.065	2.071	2.044
#2	2.000	2.132	1.853	2.024	2.089	2.085	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91428.**	**13583.**	**2069.2**	**6244.1**
Stddev	301.	26.	10.6	24.9
%RSD	.32889	.18875	.51429	.39814
#1	91641.	13565.	2076.7	6261.6
#2	91216.	13601.	2061.7	6226.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 5:13:35 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0004**	**.0005**	**.0002**	**.0011**	**.0004**	**.0007**
Stddev	.0003	.0000	.0001	.0004	.0001	.0002	.0000	.0005
%RSD	90.52	3.590	25.45	75.92	23.73	14.47	2.318	67.99
#1	.0001	.0004	.0003	.0007	.0003	.0012	.0005	.0010
#2	.0006	.0004	.0005	.0002	.0002	.0010	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0006**	**.0003**	**-.0004**	F **.0020**	**.0003**	**.0005**	**-.0010**
Stddev	.0000	.0000	.0003	.0003	.0008	.0003	.0013	.0003
%RSD	22.63	2.956	111.4	59.88	39.67	84.84	232.1	25.31
#1	-.0002	.0005	.0005	-.0006	.0026	.0006	-.0004	-.0008
#2	-.0002	.0006	.0001	-.0002	.0015	.0001	.0014	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.0020			
Low Limit					-.0020			

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0111**	**.0147**	**.0094**	**.0272**	**-.0112**	**.0019**	**.0020**	F **.0033**
Stddev	.0021	.0002	.0026	.0220	.0089	.0027	.0000	.0007
%RSD	19.29	1.534	27.55	80.89	79.17	143.0	2.245	21.15
#1	.0096	.0148	.0076	.0427	-.0049	.0038	.0020	.0038
#2	.0126	.0145	.0112	.0116	-.0175	.0000	.0021	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0020
Low Limit								-.0020

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 5:13:35 Type: QC
Method: Accutest1(v177) 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	**.0017**	**.0061**	**-.0004**	**.0004**	**.0003**	F **-.0125**	**-.0001**	**.0023**
Stddev	.0002	.0004	.0002	.0000	.0000	.0008	.0002	.0003
%RSD	10.29	7.233	51.54	6.556	.8317	6.463	212.2	12.00
#1	.0016	.0064	-.0006	.0004	.0003	-.0119	.0000	.0021
#2	.0019	.0058	-.0003	.0005	.0003	-.0131	-.0002	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0010**	**.0014**
Stddev	.0002	.0001
%RSD	23.22	9.680
#1	.0008	.0013
#2	.0011	.0015
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95872.**	**13714.**	**2144.3**	**6790.8**
Stddev	227.	104.	4.9	6.7
%RSD	.23693	.76115	.22929	.09893
#1	96033.	13640.	2147.8	6795.6
#2	95711.	13788.	2140.8	6786.1

Zoom In Zoom Out

Sample Name: mp80139-mb1 2 Acquired: 6/20/2014 5:19:54 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0003**	**.0000**	**.0002**	**.0002**	**-.0001**	**.0018**	**.0001**	**.0002**	**-.0004**
Stddev	.0000	.000	.0002	.0001	.0001	.0001	.0000	.0001	.0000
%RSD	5.207	99.94	111.9	28.54	115.4	6.539	8.790	58.77	6.488
#1	-.0003	.0000	.0000	.0002	.0000	.0019	.0001	.0002	-.0004
#2	-.0003	.0000	.0003	.0002	-.0001	.0017	.0001	.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0012**	**.0003**	**-.0007**	**-.0009**	**.0035**	**-.0016**	**.0024**	**.0111**
Stddev	.0001	.0000	.0006	.0013	.0004	.0004	.0000	.0008	.0004
%RSD	22.78	1.817	205.8	174.9	45.75	10.45	2.908	34.59	3.493
#1	-.0003	.0012	-.0001	.0002	-.0011	.0038	-.0016	.0018	.0109
#2	-.0004	.0012	.0007	-.0017	-.0006	.0033	-.0015	.0030	.0114

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0027**	**.0111**	**-.0520**	**-.0074**	**.0005**	**.0006**	**.0011**	**.0097**	**.0000**
Stddev	.0023	.0191	.0054	.0028	.0002	.0001	.0009	.0004	.000
%RSD	82.87	172.7	10.47	37.22	49.15	9.756	85.14	3.767	392.4
#1	.0043	-.0025	-.0559	-.0094	.0007	.0006	.0018	.0094	.0001
#2	.0011	.0246	-.0481	-.0055	.0003	.0006	.0004	.0099	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0107**	**.0002**	**.0027**	**.0001**	**.0007**
Stddev	.0000	.0001	.0008	.0000	.0004	.0003	.0001
%RSD	1782.	78.94	7.628	12.73	14.35	648.2	13.20
#1	.0000	.0002	-.0102	.0002	.0029	.0003	.0006
#2	.0000	.0000	-.0113	.0003	.0024	-.0002	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94340.**	**13921.**	**2131.2**	**6775.9**
Stddev	5.	79.	6.8	4.5
%RSD	.00546	.56821	.32032	.06632
#1	94336.	13865.	2136.0	6779.1
#2	94344.	13977.	2126.4	6772.8

Zoom In Zoom Out

Sample Name: mp80139-lc1 Acquired: 6/20/2014 5:26:11 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4975**	**.4899**	**.4971**	**.4818**	**.4862**	**.4887**	**.5190**	**.4938**	**.1963**
Stddev	.0013	.0008	.0004	.0015	.0002	.0001	.0001	.0002	.0003
%RSD	.2635	.1684	.0878	.3027	.0493	.0277	.0234	.0500	.1626
#1	.4985	.4905	.4974	.4828	.4863	.4886	.5191	.4937	.1960
#2	.4966	.4893	.4968	.4807	.4860	.4888	.5189	.4940	.1965

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4633**	**.4911**	**.4971**	**.5065**	**.4829**	**.5391**	**.4891**	**4.691**	**5.172**
Stddev	.0002	.0009	.0017	.0023	.0009	.0030	.0010	.004	.009
%RSD	.0512	.1892	.3355	.4640	.1781	.5645	.2107	.0863	.1648
#1	.4631	.4905	.4983	.5048	.4823	.5412	.4884	4.694	5.178
#2	.4634	.4918	.4959	.5081	.4835	.5369	.4899	4.688	5.166

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.540**	**4.893**	**9.622**	**9.489**	**.0035**	**.4922**	**-.0007**	**.0054**	**.0002**
Stddev	.023	.000	.018	.001	.0001	.0014	.0002	.0003	.0004
%RSD	.4191	.0083	.1906	.0083	3.158	.2791	28.65	6.238	152.3
#1	5.556	4.893	9.609	9.489	.0035	.4912	-.0006	.0052	.0005
#2	5.523	4.894	9.635	9.488	.0036	.4931	-.0009	.0057	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5211**	**-.0076**	**.0075**	**.0048**	**.0006**	**-.0003**
Stddev	.0001	.0005	.0016	.0006	.0008	.0004	.0002
%RSD	35.08	.1031	20.76	7.590	16.51	71.87	66.42
#1	-.0002	.5208	-.0065	.0079	.0043	.0009	-.0005
#2	-.0001	.5215	-.0087	.0071	.0054	.0003	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94853.**	**14029.**	**2114.0**	**6643.2**
Stddev	79.	53.	.9	4.5
%RSD	.08287	.37687	.04327	.06805
#1	94909.	13992.	2114.7	6640.0
#2	94798.	14066.	2113.4	6646.4

Zoom In Zoom Out

Sample Name: mp80139-s1 Acquired: 6/20/2014 5:32:17 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.121**	**.0530**	**.0550**	**.5324**	**.2067**	**.2674**	**1.391**	**.5378**	**.0545**
Stddev	.001	.0000	.0001	.0003	.0003	.0004	.004	.0002	.0006
%RSD	.0288	.0401	.1859	.0653	.1233	.1479	.2733	.0465	1.063
#1	2.120	.0530	.0551	.5327	.2065	.2671	1.393	.5376	.0549
#2	2.121	.0530	.0550	.5322	.2069	.2676	1.388	.5379	.0541

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5408**	**.5210**	**2.259**	**2.132**	**.5279**	**2.427**	**.5503**	**1.985**	**108.3**
Stddev	.0013	.0006	.004	.009	.0014	.000	.0035	.013	.4
%RSD	.2473	.1226	.1902	.4262	.2597	.0176	.6321	.6742	.4041
#1	.5417	.5215	2.262	2.126	.5269	2.428	.5527	1.994	108.6
#2	.5398	.5206	2.256	2.139	.5288	2.427	.5478	1.975	107.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.196**	**39.73**	**29.47**	**312.2**	**.0265**	**.0123**	**-.0035**	**3.517**	**.0027**
Stddev	.004	.30	.01	4.8	.0012	.0003	.0005	.006	.0008
%RSD	.3663	.7647	.0270	1.534	4.360	2.659	15.02	.1841	31.26
#1	1.199	39.94	29.48	315.5	.0274	.0120	-.0031	3.522	.0033
#2	1.193	39.51	29.47	308.8	.0257	.0125	-.0038	3.513	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8905**	**.0024**	**-.0141**	**.0041**	**14.18**	**.0007**	**.0118**
Stddev	.0022	.0000	.0002	.0003	.04	.0005	.0004
%RSD	.2457	1.945	1.149	7.961	.2536	70.51	3.234
#1	.8920	.0024	-.0140	.0044	14.15	.0004	.0115
#2	.8889	.0025	-.0143	.0039	14.20	.0011	.0121

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86987.**	**13533.**	**1954.2**	**5772.2**
Stddev	200.	54.	.8	1.2
%RSD	.23018	.39694	.04171	.02098
#1	86845.	13495.	1954.8	5773.0
#2	87128.	13571.	1953.6	5771.3

Zoom In Zoom Out

Sample Name: mp80139-s2 Acquired: 6/20/2014 5:38:27 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.153**	**.0539**	**.0560**	**.5390**	**.2100**	**.2724**	**1.398**	**.5463**	**.0549**
Stddev	.005	.0001	.0001	.0017	.0001	.0007	.002	.0012	.0002
%RSD	.2325	.2208	.2209	.3211	.0297	.2451	.1153	.2187	.4487
#1	2.149	.0538	.0559	.5402	.2101	.2728	1.399	.5472	.0551
#2	2.156	.0540	.0561	.5378	.2100	.2719	1.397	.5455	.0548

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5494**	**.5287**	**2.289**	**2.160**	**.5362**	**2.460**	**.5610**	**2.029**	**109.4**
Stddev	.0008	.0019	.003	.004	.0028	.007	.0009	.016	.4
%RSD	.1545	.3668	.1485	.1706	.5184	.2708	.1609	.8006	.3379
#1	.5500	.5301	2.292	2.163	.5382	2.464	.5603	2.041	109.2
#2	.5488	.5273	2.287	2.157	.5342	2.455	.5616	2.018	109.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.208**	**40.41**	**30.08**	**313.5**	**.0266**	**.0117**	**-.0038**	**3.550**	**.0030**
Stddev	.003	.18	.09	2.5	.0002	.0004	.0015	.001	.0009
%RSD	.2698	.4445	.3124	.8079	.6751	3.428	38.38	.0387	29.54
#1	1.206	40.28	30.02	311.7	.0265	.0120	-.0048	3.549	.0024
#2	1.211	40.53	30.15	315.3	.0268	.0114	-.0028	3.551	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8965**	**.0023**	**-.0161**	**.0031**	**14.20**	**-.0002**	**.0121**
Stddev	.0024	.0001	.0016	.0001	.01	.0011	.0002
%RSD	.2690	6.019	9.815	2.161	.0458	672.5	1.521
#1	.8948	.0024	-.0150	.0031	14.21	-.0009	.0122
#2	.8982	.0022	-.0173	.0030	14.20	.0006	.0119

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86764.**	**13467.**	**1945.9**	**5752.3**
Stddev	16.	23.	1.4	2.3
%RSD	.01827	.16842	.07302	.03957
#1	86775.	13483.	1946.9	5750.7
#2	86752.	13451.	1944.8	5753.9

Zoom In Zoom Out

Sample Name: jb69115-5 Acquired: 6/20/2014 5:44:37 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0630**	**.0000**	**.0008**	**.0007**	**.0011**	**.0034**	**.8956**	**.0012**	**-.0001**
Stddev	.0001	.000	.0001	.0001	.0004	.0002	.0017	.0002	.0003
%RSD	.1527	32.14	9.618	18.84	36.63	6.224	.1915	15.36	315.8
#1	.0629	.0000	.0007	.0006	.0014	.0033	.8944	.0011	-.0003
#2	.0631	.0000	.0008	.0008	.0008	.0036	.8968	.0014	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0517**	**.0026**	**.0009**	**.0020**	**.0009**	**-.0013**	**-.0010**	**.0243**	**83.49**
Stddev	.0002	.0001	.0009	.0030	.0005	.0017	.0009	.0054	.14
%RSD	.3196	2.453	92.39	146.9	60.46	125.3	82.14	22.14	.1654
#1	.0516	.0027	.0016	.0042	.0013	-.0025	-.0016	.0205	83.59
#2	.0518	.0026	.0003	-.0001	.0005	-.0002	-.0004	.0281	83.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1499**	**15.59**	**3.589**	**282.1**	**.0274**	**.0106**	**-.0026**	**3.537**	**.0027**
Stddev	.0004	.04	.009	1.9	.0002	.0001	.0008	.003	.0015
%RSD	.2377	.2456	.2464	.6907	.6837	1.374	28.66	.0970	53.79
#1	.1502	15.62	3.583	280.7	.0273	.0107	-.0021	3.535	.0017
#2	.1497	15.56	3.596	283.5	.0276	.0105	-.0032	3.540	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8806**	**.0009**	**-.0207**	**.0006**	**14.44**	**.0016**	**.0106**
Stddev	.0010	.0007	.0000	.0000	.02	.0001	.0003
%RSD	.1099	79.21	.1596	4.216	.1586	8.424	2.715
#1	.8799	.0004	-.0207	.0006	14.46	.0015	.0104
#2	.8813	.0015	-.0207	.0006	14.42	.0016	.0108

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84546.**	**13499.**	**1949.9**	**5760.2**
Stddev	105.	32.	.6	2.7
%RSD	.12460	.23426	.03108	.04707
#1	84620.	13476.	1950.4	5758.3
#2	84471.	13521.	1949.5	5762.1

Zoom In Zoom Out

Sample Name: mp80139-sd1 Acquired: 6/20/2014 5:50:54 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0611**	**-.0004**	**.0012**	**.0024**	**.0016**	**.0060**	**.8831**	**.0022**	**-.0015**
Stddev	.0003	.0003	.0002	.0015	.0010	.0006	.0023	.0008	.0001
%RSD	.4189	74.37	14.68	61.13	60.88	10.11	.2582	35.90	5.941
#1	.0613	-.0005	.0011	.0014	.0009	.0055	.8847	.0027	-.0014
#2	.0609	-.0002	.0014	.0034	.0023	.0064	.8815	.0016	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0504**	**.0073**	**.0032**	**.0117**	**.0009**	**-.0020**	**-.0110**	**.0489**	**84.68**
Stddev	.0008	.0000	.0026	.0063	.0045	.0036	.0032	.0369	.12
%RSD	1.664	.2411	83.10	54.21	487.3	185.1	28.83	75.53	.1416
#1	.0510	.0072	.0013	.0072	-.0023	-.0045	-.0132	.0228	84.59
#2	.0498	.0073	.0051	.0161	.0041	.0006	-.0087	.0750	84.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1543**	**16.19**	**3.314**	**295.5**	**.0128**	**.0068**	**.0041**	**3.452**	**.0031**
Stddev	.0006	.03	.081	.1	.0014	.0002	.0006	.006	.0022
%RSD	.3567	.1952	2.446	.0312	11.11	2.514	14.19	.1780	70.35
#1	.1547	16.21	3.371	295.4	.0138	.0067	.0037	3.457	.0016
#2	.1539	16.17	3.257	295.5	.0118	.0069	.0045	3.448	.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8705**	**.0006**	**-.1084**	**-.0025**	**13.72**	**.0067**	**.0182**
Stddev	.0010	.0003	.0006	.0004	.08	.0048	.0065
%RSD	.1132	52.08	.5645	14.60	.5666	71.56	35.71
#1	.8698	.0008	-.1080	-.0022	13.77	.0101	.0228
#2	.8712	.0004	-.1089	-.0028	13.66	.0033	.0136

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92232.**	**13665.**	**2085.0**	**6398.1**
Stddev	11.	59.	3.9	2.3
%RSD	.01246	.43037	.18762	.03646
#1	92240.	13706.	2087.8	6396.5
#2	92224.	13623.	2082.3	6399.8

Zoom In Zoom Out

Sample Name: mp80139-s3 Acquired: 6/20/2014 5:57:08 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.144**	**.0540**	**.0559**	**.5408**	**.2107**	**.2735**	**.9195**	**.5453**	**.0553**
Stddev	.001	.0002	.0002	.0003	.0001	.0003	.0001	.0005	.0004
%RSD	.0511	.3772	.3604	.0644	.0346	.1153	.0158	.0939	.6690
#1	2.144	.0539	.0560	.5410	.2106	.2732	.9196	.5457	.0556
#2	2.145	.0542	.0558	.5405	.2107	.2737	.9193	.5449	.0551

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5540**	**.5302**	**2.290**	**2.154**	**.5341**	**2.459**	**.5601**	**1.999**	**98.06**
Stddev	.0004	.0003	.006	.025	.0004	.009	.0011	.020	.42
%RSD	.0716	.0495	.2673	1.163	.0725	.3579	.1955	.9778	.4303
#1	.5543	.5300	2.294	2.172	.5338	2.465	.5593	1.985	97.76
#2	.5537	.5304	2.286	2.137	.5344	2.453	.5608	2.013	98.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.094**	**36.92**	**29.88**	**305.1**	**.0244**	**.0123**	**-.0039**	**3.467**	**.0026**
Stddev	.003	.28	.04	2.9	.0002	.0000	.0018	.002	.0003
%RSD	.2543	.7712	.1274	.9656	.6250	.0837	47.91	.0538	10.69
#1	1.092	36.72	29.85	307.2	.0245	.0123	-.0025	3.468	.0028
#2	1.096	37.12	29.91	303.0	.0243	.0123	-.0052	3.465	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5728**	**.0023**	**-.0105**	**.0028**	**13.92**	**.0005**	**.0112**
Stddev	.0020	.0001	.0005	.0001	.10	.0000	.0001
%RSD	.3565	4.619	5.020	4.487	.7081	6.868	.8163
#1	.5714	.0022	-.0109	.0029	13.99	.0005	.0111
#2	.5743	.0023	-.0101	.0027	13.85	.0005	.0112

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86997.**	**13461.**	**1953.6**	**5782.4**
Stddev	149.	45.	1.4	10.1
%RSD	.17133	.33078	.07221	.17527
#1	87102.	13493.	1952.6	5775.2
#2	86891.	13430.	1954.6	5789.5

Zoom In Zoom Out

Sample Name: mp80139-s4 Acquired: 6/20/2014 6:03:18 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.150**	**.0543**	**.0561**	**.5436**	**.2101**	**.2749**	**.9211**	**.5484**	**.0556**
Stddev	.006	.0002	.0003	.0014	.0002	.0003	.0042	.0015	.0006
%RSD	.2642	.4421	.5655	.2585	.1153	.1162	.4580	.2714	1.021
#1	2.154	.0545	.0559	.5426	.2100	.2751	.9241	.5495	.0560
#2	2.146	.0541	.0564	.5446	.2103	.2747	.9182	.5474	.0552

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5568**	**.5325**	**2.294**	**2.154**	**.5377**	**2.464**	**.5623**	**2.002**	**97.95**
Stddev	.0021	.0010	.001	.004	.0020	.002	.0026	.002	.11
%RSD	.3842	.1886	.0354	.1786	.3669	.0706	.4596	.1134	.1127
#1	.5584	.5317	2.293	2.151	.5363	2.465	.5604	2.004	98.03
#2	.5553	.5332	2.295	2.156	.5391	2.463	.5641	2.000	97.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.121**	**36.82**	**29.91**	**302.5**	**.0240**	**.0123**	**-.0037**	**3.484**	**.0030**
Stddev	.004	.08	.07	6.0	.0002	.0000	.0006	.004	.0012
%RSD	.3196	.2162	.2311	1.995	.7588	.0378	16.42	.1069	40.00
#1	1.124	36.88	29.96	306.8	.0241	.0123	-.0041	3.487	.0039
#2	1.119	36.77	29.86	298.2	.0239	.0123	-.0032	3.482	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5731**	**.0020**	**-.0079**	**.0020**	**13.91**	**-.0003**	**.0108**
Stddev	.0016	.0002	.0005	.0001	.04	.0016	.0003
%RSD	.2805	9.860	6.084	5.185	.3131	512.9	2.565
#1	.5742	.0018	-.0076	.0021	13.88	.0008	.0106
#2	.5719	.0021	-.0082	.0019	13.94	-.0015	.0110

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86895.**	**13591.**	**1956.3**	**5785.4**
Stddev	229.	5.	.6	.8
%RSD	.26321	.03730	.02876	.01358
#1	86734.	13594.	1956.7	5784.8
#2	87057.	13587.	1955.9	5786.0

Zoom In Zoom Out

Sample Name: jb69115-5f Acquired: 6/20/2014 6:09:28 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0536**	**.0000**	**.0006**	**.0005**	**.0015**	**.0026**	**.3791**	**.0009**	**.0001**
Stddev	.0001	.0000	.0002	.0001	.0001	.0002	.0019	.0005	.0002
%RSD	.2461	6.949	35.26	14.76	7.284	6.993	.4999	50.33	191.4
#1	.0535	.0000	.0008	.0006	.0014	.0027	.3805	.0006	.0000
#2	.0536	.0000	.0005	.0004	.0016	.0025	.3778	.0013	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0549**	**.0019**	**.0010**	**.0029**	**.0011**	**.0008**	**-.0014**	**.0058**	**73.23**
Stddev	.0004	.0004	.0012	.0008	.0000	.0020	.0006	.0077	.08
%RSD	.8148	18.86	120.6	28.85	3.782	245.8	40.13	133.2	.1135
#1	.0545	.0021	.0019	.0035	.0012	-.0006	-.0010	.0003	73.18
#2	.0552	.0016	.0002	.0023	.0011	.0022	-.0018	.0112	73.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0149**	**12.58**	**3.407**	**279.5**	**.0242**	**.0108**	**-.0021**	**3.491**	**.0022**
Stddev	.0002	.03	.001	3.4	.0001	.0001	.0001	.023	.0001
%RSD	1.201	.2198	.0417	1.209	.5271	1.033	4.004	.6615	3.331
#1	.0147	12.56	3.408	277.1	.0241	.0107	-.0021	3.475	.0022
#2	.0150	12.60	3.406	281.9	.0243	.0109	-.0020	3.507	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5686**	**.0006**	**-.0206**	**.0005**	**14.01**	**.0011**	**.0105**
Stddev	.0011	.0004	.0000	.0001	.17	.0004	.0001
%RSD	.1942	66.05	.1202	25.54	1.218	33.15	.7364
#1	.5678	.0008	-.0206	.0005	13.89	.0013	.0104
#2	.5694	.0003	-.0206	.0004	14.13	.0008	.0105

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87224.**	**13578.**	**1980.9**	**5861.0**
Stddev	359.	35.	8.4	21.6
%RSD	.41181	.25575	.42636	.36873
#1	86970.	13602.	1986.9	5876.3
#2	87478.	13553.	1975.0	5845.7

Zoom In Zoom Out

Sample Name: mp80139-sd2 Acquired: 6/20/2014 6:15:45 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0535**	**-.0004**	**.0018**	**.0018**	**.0011**	**.0073**	**.3913**	**.0019**	**-.0008**
Stddev	.0006	.0004	.0006	.0012	.0005	.0002	.0022	.0004	.0003
%RSD	1.074	103.7	33.63	66.41	43.23	2.228	.5676	19.60	34.86
#1	.0539	-.0007	.0014	.0009	.0014	.0074	.3928	.0017	-.0006
#2	.0531	-.0001	.0023	.0026	.0008	.0072	.3897	.0022	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0560**	**.0116**	**-.0026**	**.0139**	**.0016**	**.0020**	**-.0048**	**.0096**	**74.97**
Stddev	.0003	.0011	.0054	.0052	.0014	.0034	.0007	.0194	.16
%RSD	.4936	9.188	204.2	37.66	90.35	170.6	13.84	203.3	.2195
#1	.0562	.0123	.0012	.0176	.0006	-.0004	-.0044	-.0042	74.86
#2	.0558	.0108	-.0065	.0102	.0025	.0044	-.0053	.0233	75.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0281**	**13.23**	**3.260**	**294.1**	**.0126**	**.0063**	**.0063**	**3.480**	**.0049**
Stddev	.0161	.02	.151	.5	.0011	.0010	.0026	.009	.0008
%RSD	57.22	.1612	4.621	.1626	8.541	15.35	41.29	.2473	16.23
#1	.0167	13.25	3.154	293.7	.0118	.0070	.0081	3.474	.0043
#2	.0394	13.22	3.367	294.4	.0133	.0056	.0045	3.487	.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5724**	**-.0011**	**-.1097**	**-.0028**	**13.80**	**.0068**	**.0147**
Stddev	.0026	.0018	.0015	.0004	.08	.0016	.0037
%RSD	.4499	164.9	1.362	15.13	.5955	23.96	25.27
#1	.5706	-.0024	-.1108	-.0031	13.74	.0057	.0121
#2	.5742	.0002	-.1087	-.0025	13.86	.0080	.0173

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91335.**	**13457.**	**2059.5**	**6333.7**
Stddev	196.	34.	3.2	5.4
%RSD	.21421	.25055	.15714	.08464
#1	91197.	13481.	2061.8	6337.4
#2	91473.	13434.	2057.2	6329.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 6:22:01 Type: QC
Method: Accutest1(v177) 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**	**2.040**	**2.086**	**2.081**	**2.009**	**2.097**	**2.117**	**2.077**	**.2595**
Stddev	.002	.002	.001	.002	.001	.005	.011	.001	.0014
%RSD	.0927	.0942	.0322	.0832	.0262	.2250	.4958	.0354	.5434
#1	2.024	2.041	2.087	2.079	2.009	2.100	2.124	2.077	.2605
#2	2.021	2.038	2.086	2.082	2.010	2.093	2.109	2.078	.2585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**2.045**	**2.059**	**2.094**	**2.033**	**2.109**	**2.077**	**38.99**	**39.05**
Stddev	.005	.002	.001	.003	.005	.002	.001	.03	.01
%RSD	.2400	.0820	.0294	.1434	.2444	.0831	.0472	.0645	.0273
#1	2.059	2.046	2.059	2.092	2.037	2.107	2.076	39.01	39.04
#2	2.052	2.043	2.060	2.097	2.030	2.110	2.078	38.97	39.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.84**	**37.04**	**40.09**	**38.94**	**2.137**	**2.048**	**2.117**	**5.254**	**2.096**
Stddev	.00	.00	.07	.06	.001	.003	.009	.002	.001
%RSD	.0101	.0080	.1740	.1591	.0295	.1201	.4025	.0451	.0336
#1	40.84	37.04	40.14	38.99	2.137	2.047	2.123	5.252	2.096
#2	40.84	37.04	40.04	38.90	2.137	2.050	2.111	5.255	2.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 6:22:01 Type: QC
Method: Accutest1(v177) 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	**1.980**	**2.123**	**1.846**	**2.027**	**2.079**	**2.077**	**2.059**
Stddev	.003	.010	.006	.000	.007	.002	.000
%RSD	.1552	.4735	.3159	.0084	.3167	.0967	.0202
#1	1.982	2.130	1.842	2.027	2.075	2.076	2.059
#2	1.977	2.116	1.850	2.027	2.084	2.079	2.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91353.**	**13640.**	**2066.4**	**6251.4**
Stddev	394.	9.	.4	3.5
%RSD	.43124	.06686	.01725	.05667
#1	91075.	13647.	2066.7	6253.9
#2	91632.	13634.	2066.2	6248.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 6:28:04 Type: QC
Method: Accutest1(v177) 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**	**.0004**	**.0003**	**.0004**	**.0001**	**.0016**	**.0005**	**.0010**
Stddev	.0000	.0000	.0001	.0002	.0005	.0002	.0001	.0002
%RSD	5.622	5.616	47.16	41.98	562.7	14.46	14.00	20.03
#1	.0002	.0004	.0004	.0006	.0004	.0017	.0006	.0008
#2	.0002	.0004	.0002	.0003	-.0002	.0014	.0005	.0011
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**	**.0002**	**.0000**	F **.0033**	**-.0001**	**.0021**	**-.0012**
Stddev	.0001	.0001	.0001	.0005	.0009	.0009	.0012	.0001
%RSD	17.26	22.66	41.18	2278.	26.91	1324.	54.40	8.842
#1	-.0004	.0005	.0003	.0004	.0040	.0006	.0030	-.0013
#2	-.0005	.0003	.0002	-.0003	.0027	-.0007	.0013	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.0020			
Low Limit					-.0020			

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0065**	**.0157**	**.0099**	**.0257**	**-.0185**	**.0254**	**.0017**	**.0005**
Stddev	.0084	.0019	.0024	.0102	.0134	.0041	.0000	.0002
%RSD	128.6	12.32	23.97	39.92	72.45	16.30	1.855	33.95
#1	.0006	.0170	.0116	.0184	-.0280	.0283	.0017	.0006
#2	.0124	.0143	.0082	.0329	-.0090	.0225	.0016	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 6:28:04 Type: QC
Method: Accutest1(v177) 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**	**.0058**	**-.0003**	**.0004**	**.0005**	F **-.0140**	**.0000**	**.0025**
Stddev	.0010	.0011	.0000	.0000	.0000	.0009	.0001	.0004
%RSD	106.4	18.48	8.424	1.600	4.766	6.498	503.4	16.05
#1	.0017	.0065	-.0003	.0004	.0004	-.0134	.0001	.0023
#2	.0002	.0050	-.0003	.0004	.0005	-.0147	-.0001	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0015**	**.0019**
Stddev	.0001	.0007
%RSD	5.202	36.46
#1	.0014	.0024
#2	.0016	.0014
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**96623.**	**13733.**	**2138.9**	**6797.6**
Stddev	125.	33.	5.3	7.5
%RSD	.12929	.23894	.24923	.10980
#1	96534.	13756.	2142.7	6802.9
#2	96711.	13710.	2135.1	6792.3

Zoom In Zoom Out

Sample Name: jb69196-1 Acquired: 6/20/2014 6:34:21 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1258**	**.0002**	**.0007**	**.0003**	**.0013**	**.0017**	**.0579**	**.0014**	**-.0001**
Stddev	.0003	.0001	.0001	.0001	.0001	.0004	.0005	.0002	.0000
%RSD	.2392	31.20	17.23	34.49	9.310	22.09	.8237	16.63	35.78
#1	.1260	.0001	.0008	.0002	.0013	.0014	.0582	.0016	-.0001
#2	.1256	.0002	.0006	.0004	.0012	.0019	.0575	.0013	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.0078**	**.0226**	**-.0012**	**.0023**	**.0026**	**-.0015**	**.0554**	**35.14**
Stddev	.0001	.0001	.0003	.0005	.0003	.0013	.0006	.0033	.14
%RSD	3.527	.9258	1.476	36.55	11.60	49.32	39.87	5.922	.3995
#1	.0032	.0077	.0224	-.0016	.0025	.0017	-.0019	.0577	35.04
#2	.0034	.0078	.0228	-.0009	.0021	.0034	-.0011	.0530	35.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8489**	**14.37**	**8.156**	**55.03**	**1.386**	**.0465**	**-.0010**	**8.284**	**.0087**
Stddev	.0060	.04	.009	.12	.006	.0001	.0018	.026	.0001
%RSD	.7098	.3071	.1128	.2204	.4702	.1439	184.4	.3146	1.252
#1	.8531	14.34	8.149	54.95	1.381	.0465	-.0022	8.266	.0087
#2	.8446	14.40	8.162	55.12	1.390	.0466	.0003	8.303	.0088

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5544**	**.0022**	**-.0159**	**.0010**	**9.211**	**.0010**	**.0422**
Stddev	.0013	.0004	.0007	.0001	.018	.0006	.0003
%RSD	.2355	17.86	4.513	5.065	.1914	61.31	.8016
#1	.5534	.0019	-.0154	.0011	9.198	.0006	.0420
#2	.5553	.0025	-.0164	.0010	9.223	.0014	.0425

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93079.**	**13703.**	**2058.7**	**6342.8**
Stddev	586.	48.	2.9	6.4
%RSD	.62959	.35307	.14155	.10160
#1	92664.	13737.	2060.8	6347.3
#2	93493.	13669.	2056.7	6338.2

Zoom In Zoom Out

Sample Name: jb69196-2 Acquired: 6/20/2014 6:40:34 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8506**	**.0001**	**.0005**	**.0008**	**.0012**	**.0031**	**.0106**	**.0024**	**-.0003**
Stddev	.0011	.0000	.0001	.0001	.0002	.0005	.0000	.0001	.0001
%RSD	.1258	13.02	10.25	13.26	18.59	17.25	.4238	2.617	45.63
#1	.8498	.0001	.0006	.0007	.0013	.0027	.0106	.0024	-.0004
#2	.8513	.0001	.0005	.0009	.0010	.0035	.0106	.0023	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0184**	**.0014**	**.0015**	**.0029**	**.0010**	**-.0009**	**.1001**	**89.43**
Stddev	.0001	.0004	.0001	.0005	.0004	.0006	.0007	.0041	.01
%RSD	15.05	1.914	4.751	32.50	12.25	55.32	80.37	4.071	.0092
#1	.0010	.0182	.0014	.0019	.0027	.0014	-.0004	.1030	89.44
#2	.0008	.0187	.0015	.0012	.0032	.0006	-.0014	.0972	89.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4761**	**11.81**	**2.856**	**10.12**	**.0235**	**.0000**	**-.0030**	**10.80**	**.0026**
Stddev	.0038	.01	.020	.00	.0001	.000	.0005	.03	.0008
%RSD	.8011	.0462	.7049	.0375	.3929	759.1	15.11	.2435	29.22
#1	.4788	11.81	2.870	10.12	.0236	.0002	-.0027	10.78	.0032
#2	.4734	11.81	2.842	10.12	.0235	-.0003	-.0034	10.81	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2768**	**.0064**	**-.0180**	**-.0008**	**3.219**	**.0019**	**.0390**
Stddev	.0003	.0000	.0003	.0001	.004	.0005	.0008
%RSD	.1190	.0354	1.795	10.68	.1149	25.27	1.962
#1	.2766	.0064	-.0178	-.0007	3.217	.0022	.0396
#2	.2770	.0064	-.0182	-.0008	3.222	.0015	.0385

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93017.**	**13750.**	**2049.3**	**6348.8**
Stddev	45.	47.	2.9	12.4
%RSD	.04889	.33819	.14105	.19570
#1	93049.	13717.	2051.4	6357.6
#2	92985.	13783.	2047.3	6340.0

Zoom In Zoom Out

Sample Name: jb69196-3 Acquired: 6/20/2014 6:46:48 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3952**	**.0000**	**.0005**	**.0013**	**.0020**	**.0035**	**1.968**	**.0047**	**.0036**
Stddev	.0005	.000	.0002	.0003	.0007	.0002	.001	.0007	.0001
%RSD	.1326	377.3	32.09	22.88	35.82	5.739	.0631	15.00	3.043
#1	.3949	.0000	.0006	.0015	.0025	.0037	1.969	.0042	.0035
#2	.3956	.0000	.0004	.0010	.0015	.0034	1.967	.0052	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0104**	**.0000**	**.0043**	**.0042**	**.0047**	**-.0011**	**.0144**	**184.6**
Stddev	.0002	.0003	.000	.0017	.0013	.0012	.0002	.0081	1.5
%RSD	24.76	2.785	505.8	40.32	29.91	26.00	17.07	55.97	.7874
#1	.0007	.0102	.0001	.0031	.0033	.0056	-.0010	.0202	185.7
#2	.0010	.0106	-.0002	.0055	.0051	.0038	-.0012	.0087	183.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.88**	**39.94**	**2.834**	**34.44**	**.0144**	**.0023**	**-.0075**	**16.74**	**.0043**
Stddev	.34	.49	.005	.07	.0003	.0004	.0002	.01	.0002
%RSD	.4269	1.233	.1785	.2175	2.125	16.18	2.898	.0506	4.196
#1	80.12	40.29	2.838	34.49	.0141	.0020	-.0076	16.74	.0042
#2	79.63	39.59	2.831	34.39	.0146	.0026	-.0073	16.75	.0044

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5458**	**.0017**	**-.0143**	**.0038**	**3.297**	**.0039**	**.0856**
Stddev	.0002	.0001	.0002	.0001	.002	.0000	.0004
%RSD	.0287	8.369	1.150	3.827	.0553	.0848	.5040
#1	.5459	.0018	-.0142	.0039	3.295	.0039	.0853
#2	.5457	.0016	-.0145	.0037	3.298	.0039	.0859

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87530.**	**13670.**	**1974.2**	**6068.1**
Stddev	28.	122.	2.8	16.0
%RSD	.03174	.89595	.13974	.26302
#1	87511.	13584.	1972.2	6056.8
#2	87550.	13757.	1976.1	6079.3

Zoom In Zoom Out

Sample Name: jb69196-4 Acquired: 6/20/2014 6:53:00 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6240**	**.0000**	**.0006**	**.0011**	**.0047**	**.0024**	**.6775**	**.0038**	**.0013**
Stddev	.0001	.000	.0001	.0001	.0002	.0004	.0016	.0000	.0001
%RSD	.0094	906.4	10.04	10.20	3.892	17.50	.2433	.7541	8.238
#1	.6240	.0000	.0005	.0011	.0049	.0027	.6764	.0037	.0012
#2	.6241	.0000	.0006	.0010	.0046	.0021	.6787	.0038	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0794**	**.0003**	**.0024**	**.0032**	**.0031**	**-.0021**	**.1996**	**61.98**
Stddev	.0003	.0002	.0004	.0003	.0010	.0018	.0011	.0041	.03
%RSD	27.00	.2973	132.6	11.10	32.34	58.41	50.86	2.055	.0556
#1	.0012	.0796	.0000	.0026	.0040	.0018	-.0028	.2025	61.96
#2	.0008	.0792	.0005	.0022	.0025	.0044	-.0013	.1967	62.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.91**	**11.98**	**1.670**	**12.18**	**.0209**	**.0063**	**-.0022**	**8.018**	**.0027**
Stddev	.06	.00	.022	.01	.0017	.0001	.0017	.011	.0005
%RSD	.3375	.0258	1.291	.0680	8.008	1.583	78.86	.1414	19.07
#1	17.95	11.98	1.655	12.17	.0221	.0064	-.0034	8.010	.0031
#2	17.87	11.98	1.686	12.18	.0197	.0063	-.0010	8.026	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2408**	**.0080**	**-.0166**	**.0012**	**8.351**	**.0025**	**.0419**
Stddev	.0003	.0001	.0003	.0000	.007	.0008	.0002
%RSD	.1381	.6436	1.558	2.981	.0889	32.91	.5072
#1	.2406	.0080	-.0164	.0012	8.356	.0031	.0420
#2	.2410	.0080	-.0168	.0012	8.345	.0019	.0417

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92007.**	**13755.**	**2049.0**	**6382.1**
Stddev	255.	70.	1.3	5.3
%RSD	.27665	.50780	.06575	.08257
#1	92187.	13705.	2049.9	6378.4
#2	91827.	13804.	2048.0	6385.9

Zoom In Zoom Out

Sample Name: jb69196-14 Acquired: 6/20/2014 6:59:11 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0412**	**.0009**	**.0004**	**.0001**	**.0002**	**.0024**	**.0160**	**.0024**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0003	.0003	.0000	.0002	.0004
%RSD	.0211	1.132	15.97	144.4	143.8	12.70	.1674	9.742	298.7
#1	.0412	.0009	.0004	.0002	.0000	.0022	.0160	.0022	-.0004
#2	.0412	.0009	.0004	.0000	.0004	.0026	.0160	.0025	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0044**	**-.0001**	**-.0189**	**.0006**	**.0011**	**-.0015**	**.0004**	**9.204**
Stddev	.0000	.0001	.0008	.0002	.0003	.0019	.0001	.0030	.012
%RSD	2.374	1.528	1368.	1.130	49.88	169.7	9.237	771.3	.1311
#1	.0007	.0044	-.0006	-.0190	.0008	-.0002	-.0014	-.0017	9.212
#2	.0007	.0043	.0005	-.0187	.0004	.0025	-.0016	.0025	9.195

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8611**	**10.71**	**50.96**	**43.39**	**.3390**	**.0018**	**.0020**	**1.840**	**.0014**
Stddev	.0011	.03	.07	.08	.0003	.0001	.0006	.002	.0002
%RSD	.1326	.3022	.1315	.1852	.0813	5.249	30.30	.0934	11.29
#1	.8603	10.68	51.00	43.44	.3392	.0017	.0015	1.841	.0013
#2	.8620	10.73	50.91	43.33	.3388	.0019	.0024	1.839	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1539**	**.0004**	**-.0148**	**.0000**	**.6487**	**-.0001**	**.1143**
Stddev	.0002	.0001	.0001	.0000	.0027	.0005	.0008
%RSD	.1607	20.77	.3827	130.7	.4233	336.8	.6937
#1	.1541	.0003	-.0147	.0001	.6468	-.0005	.1138
#2	.1537	.0005	-.0148	.0000	.6507	.0002	.1149

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89928.**	**13971.**	**2042.7**	**6269.1**
Stddev	193.	8.	.8	6.8
%RSD	.21472	.05946	.03953	.10775
#1	90065.	13977.	2042.1	6264.4
#2	89792.	13965.	2043.3	6273.9

Zoom In Zoom Out

Sample Name: jb69196-18 Acquired: 6/20/2014 7:05:24 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0214**	**.0000**	**.0006**	**.0012**	**.0014**	**.0035**	**1.323**	**.0010**	**.0003**
Stddev	.0000	.000	.0001	.0000	.0000	.0000	.002	.0004	.0004
%RSD	.2021	23.72	16.90	3.349	2.821	.9004	.1527	40.50	124.3
#1	.0215	.0000	.0006	.0012	.0014	.0035	1.321	.0013	.0005
#2	.0214	.0000	.0005	.0011	.0014	.0035	1.324	.0007	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0121**	**.0214**	**.0004**	**.0016**	**.0002**	**-.0020**	**.0979**	**48.52**
Stddev	.0001	.0001	.0001	.0003	.0016	.0018	.0008	.0040	.24
%RSD	7.388	.5813	.3922	73.28	103.8	1005.	41.67	4.106	.4979
#1	.0014	.0122	.0214	.0005	.0027	-.0011	-.0025	.1007	48.69
#2	.0015	.0121	.0215	.0002	.0004	.0015	-.0014	.0951	48.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.156**	**4.160**	**2.089**	**35.30**	**.2094**	**-.0003**	**-.0015**	**6.181**	**.0022**
Stddev	.010	.049	.021	.08	.0004	.0002	.0000	.001	.0001
%RSD	.2394	1.170	1.015	.2198	.1724	73.81	2.291	.0124	2.364
#1	4.149	4.194	2.074	35.36	.2096	-.0001	-.0016	6.181	.0022
#2	4.163	4.125	2.104	35.25	.2091	-.0004	-.0015	6.182	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1532**	**.0040**	**-.0167**	**.0001**	**.3432**	**.0014**	**.0024**
Stddev	.0001	.0002	.0001	.0003	.0011	.0001	.0001
%RSD	.0831	4.520	.4253	286.4	.3106	4.535	6.163
#1	.1533	.0042	-.0167	-.0001	.3440	.0014	.0023
#2	.1531	.0039	-.0168	.0003	.3425	.0014	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89876.**	**13840.**	**2042.8**	**6292.3**
Stddev	263.	69.	3.2	7.1
%RSD	.29299	.49848	.15515	.11306
#1	90063.	13791.	2045.1	6297.3
#2	89690.	13889.	2040.6	6287.3

Zoom In Zoom Out

Sample Name: jb69196-20 Acquired: 6/20/2014 7:11:36 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3162**	**-.0001**	**.0005**	**.0001**	**.0010**	**.0012**	**.0510**	**.0011**	**.0002**
Stddev	.0003	.0000	.0000	.0000	.0000	.0001	.0001	.0003	.0001
%RSD	.1055	26.87	2.763	35.87	3.521	10.37	.2272	22.83	56.27
#1	.3159	-.0001	.0005	.0001	.0010	.0011	.0509	.0013	.0003
#2	.3164	-.0001	.0006	.0001	.0011	.0013	.0511	.0009	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0039**	**.0011**	**.0010**	**.0029**	**.0015**	**-.0014**	**.0029**	**54.14**
Stddev	.0003	.0001	.0010	.0007	.0002	.0009	.0016	.0071	.07
%RSD	28.90	3.050	84.38	69.78	8.348	63.42	113.4	242.1	.1368
#1	.0013	.0040	.0018	.0014	.0028	.0021	-.0025	-.0021	54.19
#2	.0009	.0038	.0005	.0005	.0031	.0008	-.0003	.0079	54.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.386**	**8.070**	**1.818**	**9.118**	**.0224**	**-.0004**	**-.0004**	**8.282**	**.0021**
Stddev	.008	.026	.025	.014	.0001	.0002	.0002	.003	.0004
%RSD	.3315	.3221	1.354	.1482	.6510	51.59	54.82	.0337	19.55
#1	2.392	8.088	1.835	9.127	.0223	-.0005	-.0003	8.280	.0018
#2	2.381	8.051	1.800	9.108	.0225	-.0002	-.0006	8.284	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1954**	**.0004**	**-.0170**	**-.0003**	**5.406**	**.0009**	**.0265**
Stddev	.0001	.0001	.0003	.0001	.020	.0000	.0000
%RSD	.0319	14.03	1.846	36.41	.3769	4.338	.1693
#1	.1955	.0005	-.0172	-.0004	5.392	.0009	.0265
#2	.1954	.0004	-.0168	-.0002	5.421	.0010	.0265

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95106.**	**13780.**	**2059.8**	**6446.5**
Stddev	292.	14.	6.5	28.4
%RSD	.30712	.09815	.31416	.44067
#1	95313.	13790.	2064.3	6466.6
#2	94900.	13771.	2055.2	6426.4

Zoom In Zoom Out

Sample Name: jb69196-21 Acquired: 6/20/2014 7:17:49 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4319**	**.0000**	**.0006**	**.0004**	**.0008**	**.0017**	**.0050**	**.0007**	**-.0002**
Stddev	.0000	.0001	.0001	.0000	.0003	.0003	.0000	.0003	.0004
%RSD	.0004	564.3	16.68	8.447	38.62	15.02	.9226	38.83	269.2
#1	.4319	.0000	.0005	.0004	.0010	.0019	.0051	.0009	.0001
#2	.4319	.0001	.0007	.0004	.0006	.0016	.0050	.0005	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0030**	**.0902**	**-.0001**	**.0008**	**.0034**	**.0029**	**-.0030**	**.0107**	**74.28**
Stddev	.0001	.0001	.0006	.0023	.0006	.0008	.0004	.0029	.12
%RSD	2.569	.1426	742.4	272.7	18.55	29.17	14.55	27.33	.1660
#1	.0030	.0902	-.0005	.0024	.0039	.0035	-.0027	.0128	74.20
#2	.0031	.0903	.0004	-.0008	.0030	.0023	-.0033	.0086	74.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0598**	**25.44**	**3.386**	**16.71**	**.0435**	**.0003**	**-.0016**	**12.39**	**.0028**
Stddev	.0003	.17	.020	.00	.0005	.0002	.0003	.02	.0003
%RSD	.5837	.6545	.5968	.0041	1.055	84.82	16.29	.1506	12.12
#1	.0596	25.33	3.400	16.71	.0432	.0001	-.0014	12.37	.0026
#2	.0601	25.56	3.372	16.71	.0438	.0004	-.0018	12.40	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7349**	**.0005**	**-.0183**	**-.0008**	**5.684**	**.0001**	**.0422**
Stddev	.0001	.0004	.0005	.0000	.003	.0005	.0007
%RSD	.0125	79.85	2.487	.3555	.0435	412.3	1.641
#1	.7350	.0002	-.0187	-.0008	5.682	.0005	.0417
#2	.7348	.0007	-.0180	-.0008	5.685	-.0002	.0426

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94747.**	**13695.**	**2036.4**	**6321.6**
Stddev	75.	38.	3.2	26.7
%RSD	.07936	.27764	.15619	.42214
#1	94694.	13722.	2038.7	6340.4
#2	94801.	13668.	2034.2	6302.7

Zoom In Zoom Out

Sample Name: jb69196-22 Acquired: 6/20/2014 7:24:02 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4831**	**-.0001**	**.0006**	**.0005**	**.0008**	**.0029**	**.0914**	**.0013**	**-.0002**
Stddev	.0003	.0000	.0000	.0002	.0001	.0001	.0001	.0004	.0001
%RSD	.0687	45.06	3.683	32.60	6.307	4.517	.0941	31.22	51.79
#1	.4828	-.0001	.0006	.0006	.0008	.0030	.0915	.0015	-.0001
#2	.4833	.0000	.0006	.0004	.0008	.0028	.0914	.0010	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.2585**	**.0001**	**.0013**	**.0022**	**.0028**	**-.0014**	**.0524**	**66.95**
Stddev	.0000	.0013	.0009	.0015	.0003	.0004	.0009	.0048	.10
%RSD	1.910	.5078	1585.	112.8	15.58	14.81	62.40	9.238	.1486
#1	.0004	.2575	-.0006	.0003	.0025	.0031	-.0020	.0559	66.88
#2	.0004	.2594	.0007	.0024	.0020	.0025	-.0008	.0490	67.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.645**	**7.830**	**1.723**	**11.95**	**.0225**	**.0003**	**-.0019**	**8.066**	**.0018**
Stddev	.006	.056	.004	.02	.0005	.0001	.0013	.014	.0004
%RSD	.2434	.7148	.2404	.2086	2.031	48.17	70.26	.1672	22.07
#1	2.649	7.791	1.726	11.93	.0222	.0002	-.0009	8.056	.0015
#2	2.640	7.870	1.720	11.97	.0228	.0004	-.0028	8.076	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2222**	**.0023**	**-.0176**	**-.0004**	**3.223**	**.0004**	**.0285**
Stddev	.0000	.0003	.0003	.0000	.002	.0003	.0022
%RSD	.0038	11.60	1.667	10.01	.0571	69.06	7.607
#1	.2222	.0021	-.0174	-.0003	3.225	.0002	.0270
#2	.2222	.0024	-.0178	-.0004	3.222	.0006	.0301

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93968.**	**13809.**	**2050.9**	**6398.3**
Stddev	83.	1.	1.5	16.5
%RSD	.08786	.00835	.07125	.25800
#1	93910.	13808.	2051.9	6410.0
#2	94026.	13809.	2049.9	6386.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 7:30:15 Type: QC
Method: Accutest1(v177) 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	**2.036**	**2.029**	**2.100**	**2.083**	**2.016**	**2.112**	**2.123**	**2.087**	**.2607**
Stddev	.004	.001	.003	.002	.006	.003	.005	.004	.0002
%RSD	.2081	.0622	.1441	.1046	.3054	.1286	.2288	.1833	.0939
#1	2.033	2.028	2.098	2.082	2.021	2.110	2.127	2.084	.2608
#2	2.039	2.030	2.102	2.085	2.012	2.114	2.120	2.089	.2605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.040**	**2.083**	**2.139**	**2.034**	**2.140**	**2.100**	**39.12**	**38.85**
Stddev	.004	.004	.009	.004	.002	.000	.004	.09	.10
%RSD	.1911	.1847	.4414	.2011	.0894	.0002	.1750	.2371	.2686
#1	2.063	2.038	2.077	2.136	2.033	2.140	2.097	39.05	38.78
#2	2.058	2.043	2.090	2.142	2.035	2.140	2.102	39.18	38.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.66**	**36.89**	**40.29**	**39.18**	**2.158**	**2.068**	**2.132**	**5.322**	**2.108**
Stddev	.01	.09	.12	.09	.007	.006	.003	.006	.006
%RSD	.0319	.2486	.3097	.2305	.3312	.2885	.1304	.1102	.2990
#1	40.65	36.82	40.20	39.12	2.153	2.064	2.134	5.317	2.103
#2	40.67	36.95	40.38	39.25	2.164	2.072	2.130	5.326	2.112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 7:30:15 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**2.132**	**1.858**	**2.039**	**2.111**	**2.103**	**2.065**
Stddev	.005	.003	.013	.001	.006	.003	.003
%RSD	.2744	.1538	.7007	.0290	.2885	.1629	.1498
#1	1.988	2.135	1.849	2.040	2.107	2.100	2.063
#2	1.996	2.130	1.868	2.039	2.116	2.105	2.068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90307.**	**13699.**	**2034.9**	**6168.2**
Stddev	171.	61.	2.3	5.9
%RSD	.18924	.44210	.11328	.09498
#1	90186.	13742.	2036.5	6172.3
#2	90427.	13656.	2033.3	6164.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 7:36:19 Type: QC
Method: Accutest1(v177) 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**	**.0004**	**.0001**	**.0001**	**.0001**	F **.0018**	**.0005**	**.0007**
Stddev	.0000	.0000	.0001	.0002	.0001	.0001	.0000	.0003
%RSD	9.204	1.663	94.80	199.2	134.1	5.862	9.097	44.26
#1	.0003	.0004	.0000	.0000	.0002	.0018	.0005	.0010
#2	.0002	.0004	.0002	.0003	.0000	.0019	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0018		
Low Limit						-.0018		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0002**	**.0002**	**.0016**	**-.0007**	**.0020**	**-.0008**
Stddev	.0002	.0000	.0001	.0009	.0002	.0008	.0025	.0001
%RSD	145.4	14.88	38.25	440.0	13.86	114.4	129.5	7.368
#1	-.0003	.0003	.0003	-.0004	.0017	-.0012	.0038	-.0008
#2	.0000	.0002	.0002	.0009	.0014	-.0001	.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**.0138**	F **.0111**	**.0069**	**-.0470**	**.0152**	**.0017**	**.0007**
Stddev	.0078	.0009	.0018	.0047	.0148	.0021	.0000	.0002
%RSD	90.03	6.458	16.61	68.12	31.56	13.95	2.014	30.30
#1	.0141	.0144	.0098	.0036	-.0575	.0167	.0017	.0008
#2	.0031	.0132	.0124	.0103	-.0365	.0137	.0017	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 7:36:19 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0063**	**-.0003**	**.0004**	**.0005**	F **-.0129**	**.0001**	**.0045**
Stddev	.0020	.0005	.0001	.0000	.0001	.0015	.0001	.0011
%RSD	158.7	7.757	23.76	3.645	14.59	11.68	66.35	23.66
#1	.0027	.0059	-.0002	.0004	.0004	-.0119	.0002	.0053
#2	-.0002	.0066	-.0003	.0003	.0005	-.0140	.0001	.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0123		
Low Limit						-.0123		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0013**	F **.0020**
Stddev	.0005	.0008
%RSD	41.47	37.04
#1	.0009	.0015
#2	.0016	.0026
Check ?	Chk Pass	Chk Fail
High Limit		.0020
Low Limit		-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93133.**	**13749.**	**2084.0**	**6620.5**
Stddev	134.	134.	1.9	7.5
%RSD	.14404	.97377	.09072	.11313
#1	93228.	13844.	2082.6	6615.2
#2	93038.	13654.	2085.3	6625.8

Zoom In Zoom Out

Sample Name: jb69234-1 Acquired: 6/20/2014 7:42:37 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0403**	**.0001**	**.0006**	**.0006**	**.0017**	**.0032**	**.1032**	**.0008**	**-.0003**
Stddev	.0001	.0000	.0001	.0003	.0004	.0003	.0003	.0000	.0002
%RSD	.1792	5.098	17.79	48.09	26.81	8.215	.3146	3.668	68.05
#1	.0404	.0001	.0007	.0004	.0020	.0030	.1030	.0008	-.0002
#2	.0403	.0001	.0006	.0008	.0014	.0034	.1034	.0008	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0133**	**.0002**	**-.0012**	**.0015**	**.0007**	**-.0015**	**.2561**	**28.67**
Stddev	.0000	.0000	.0007	.0002	.0001	.0010	.0001	.0019	.03
%RSD	8.580	.1059	266.8	12.57	9.448	141.4	4.208	.7590	.1009
#1	.0005	.0133	.0007	-.0013	.0014	.0000	-.0015	.2574	28.69
#2	.0004	.0133	-.0002	-.0011	.0016	.0014	-.0015	.2547	28.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.227**	**5.200**	**4.982**	**106.8**	**.0423**	**-.0001**	**-.0008**	**2.074**	**.0848**
Stddev	.001	.030	.034	.2	.0002	.0003	.0010	.002	.0005
%RSD	.0231	.5750	.6894	.1845	.3824	584.5	120.8	.0998	.5719
#1	2.227	5.221	5.006	106.9	.0424	-.0003	-.0016	2.073	.0845
#2	2.226	5.179	4.957	106.6	.0422	.0002	-.0001	2.076	.0851

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2142**	**.0079**	**-.0099**	**.0024**	**7.947**	**.0008**	**.0016**
Stddev	.0004	.0002	.0006	.0000	.005	.0004	.0004
%RSD	.2027	3.154	5.676	.6562	.0587	45.90	24.48
#1	.2145	.0077	-.0095	.0024	7.944	.0011	.0019
#2	.2139	.0081	-.0103	.0024	7.951	.0005	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89929.**	**13900.**	**2007.7**	**6119.8**
Stddev	209.	1.	1.2	.6
%RSD	.23199	.01046	.06211	.01042
#1	90077.	13901.	2008.6	6120.3
#2	89782.	13899.	2006.8	6119.4

Zoom In Zoom Out

Sample Name: jb69234-2 Acquired: 6/20/2014 7:48:49 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0596**	**.0002**	**.0004**	**.0012**	**.0124**	**.0059**	**.0957**	**.0041**	**.0010**
Stddev	.0003	.0000	.0001	.0001	.0003	.0000	.0005	.0001	.0004
%RSD	.4612	15.27	30.89	12.50	2.716	.7707	.5710	2.371	40.31
#1	.0598	.0002	.0005	.0013	.0121	.0059	.0953	.0040	.0007
#2	.0594	.0002	.0003	.0011	.0126	.0059	.0961	.0041	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0164**	**.0151**	**.0046**	**.0015**	**.0052**	**.0030**	**-.0019**	**5.051**	**53.08**
Stddev	.0003	.0001	.0007	.0016	.0003	.0001	.0008	.017	.15
%RSD	1.928	.7344	14.43	109.9	5.151	2.530	40.92	.3384	.2896
#1	.0166	.0150	.0051	.0026	.0050	.0030	-.0025	5.063	53.19
#2	.0162	.0151	.0041	.0003	.0054	.0031	-.0014	5.038	52.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.72**	**6.884**	**6.027**	**29.91**	**.0450**	**.0010**	**-.0024**	**7.006**	**.0038**
Stddev	.03	.068	.021	.12	.0004	.0001	.0005	.014	.0006
%RSD	.1284	.9914	.3524	.3887	.8054	5.298	22.47	.1983	15.07
#1	23.70	6.933	6.042	29.99	.0453	.0009	-.0028	6.996	.0034
#2	23.74	6.836	6.012	29.83	.0448	.0010	-.0020	7.015	.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3568**	**.1303**	**-.0163**	**.0124**	**19.35**	**.0016**	**.0036**
Stddev	.0018	.0002	.0008	.0000	.12	.0002	.0000
%RSD	.5002	.1660	4.911	.0173	.6042	15.51	1.286
#1	.3581	.1301	-.0168	.0124	19.27	.0014	.0036
#2	.3556	.1305	-.0157	.0124	19.43	.0018	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92625.**	**13868.**	**2026.4**	**6243.7**
Stddev	542.	15.	5.0	28.8
%RSD	.58540	.10919	.24870	.46127
#1	93008.	13857.	2029.9	6264.1
#2	92241.	13878.	2022.8	6223.4

Zoom In Zoom Out

Sample Name: jb69234-3 Acquired: 6/20/2014 7:55:01 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0403**	**.0001**	**.0005**	**.0012**	**.0044**	**.0060**	**.1331**	**.0028**	**.0001**
Stddev	.0002	.0000	.0001	.0003	.0003	.0000	.0007	.0000	.0002
%RSD	.4048	31.32	10.93	27.31	7.884	.6024	.5181	.4420	278.8
#1	.0404	.0001	.0005	.0014	.0046	.0060	.1336	.0028	.0003
#2	.0402	.0001	.0005	.0010	.0041	.0060	.1326	.0028	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0174**	**.0012**	**-.0008**	**.0026**	**-.0019**	**-.0018**	**.8800**	**26.48**
Stddev	.0001	.0001	.0007	.0010	.0003	.0024	.0009	.0063	.09
%RSD	4.979	.4764	54.43	130.6	12.45	124.7	47.55	.7180	.3437
#1	.0021	.0173	.0017	-.0015	.0029	-.0036	-.0025	.8845	26.41
#2	.0023	.0175	.0008	-.0001	.0024	-.0002	-.0012	.8755	26.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.116**	**6.968**	**6.250**	**45.72**	**.0464**	**-.0005**	**-.0006**	**2.657**	**.0676**
Stddev	.000	.057	.020	.03	.0007	.0001	.0007	.008	.0001
%RSD	.0083	.8104	.3183	.0719	1.559	29.43	113.3	.2893	.0858
#1	4.116	6.928	6.236	45.70	.0459	-.0004	-.0011	2.651	.0677
#2	4.116	7.008	6.264	45.74	.0469	-.0006	-.0001	2.662	.0676

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1508**	**.0264**	**-.0192**	**.0029**	**10.04**	**.0003**	**.0013**
Stddev	.0003	.0002	.0004	.0001	.16	.0008	.0004
%RSD	.2319	.8405	1.848	2.001	1.565	250.5	34.93
#1	.1505	.0262	-.0195	.0030	9.924	.0009	.0009
#2	.1510	.0265	-.0190	.0029	10.15	-.0003	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92963.**	**13807.**	**2038.6**	**6308.9**
Stddev	296.	82.	.6	1.0
%RSD	.31821	.59516	.02904	.01513
#1	92754.	13865.	2039.0	6308.2
#2	93172.	13749.	2038.2	6309.6

Zoom In Zoom Out

Sample Name: jb69234-4 Acquired: 6/20/2014 8:01:13 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0392**	**.0001**	**.0004**	**.0012**	**.0039**	**.0068**	**.2180**	**.0031**	**.0008**
Stddev	.0001	.0000	.0001	.0003	.0001	.0001	.0003	.0002	.0002
%RSD	.2349	2.990	27.86	27.55	3.654	2.007	.1511	7.442	28.38
#1	.0393	.0001	.0005	.0010	.0038	.0069	.2182	.0030	.0007
#2	.0392	.0001	.0003	.0014	.0040	.0067	.2178	.0033	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0111**	**.0035**	**-.0008**	**.0014**	**-.0007**	**-.0008**	**.3560**	**40.88**
Stddev	.0002	.0000	.0001	.0002	.0006	.0010	.0003	.0018	.02
%RSD	17.71	.2295	4.142	24.03	44.01	138.3	39.30	.5146	.0556
#1	.0011	.0111	.0036	-.0009	.0009	-.0014	-.0006	.3547	40.89
#2	.0009	.0112	.0034	-.0006	.0018	.0000	-.0011	.3573	40.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.45**	**8.210**	**5.370**	**65.51**	**.0462**	**-.0005**	**-.0006**	**2.020**	**.0435**
Stddev	.03	.032	.013	.15	.0007	.0003	.0002	.012	.0001
%RSD	.1547	.3833	.2350	.2342	1.442	63.44	31.98	.6034	.2919
#1	16.47	8.232	5.362	65.40	.0467	-.0003	-.0008	2.012	.0434
#2	16.44	8.188	5.379	65.62	.0458	-.0007	-.0005	2.029	.0436

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2766**	**.0096**	**-.0187**	**.0037**	**17.21**	**.0015**	**.0017**
Stddev	.0009	.0001	.0006	.0001	.21	.0004	.0006
%RSD	.3322	1.048	2.966	2.100	1.223	29.90	38.02
#1	.2759	.0097	-.0183	.0038	17.06	.0012	.0012
#2	.2772	.0095	-.0191	.0037	17.36	.0018	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89187.**	**13925.**	**2008.4**	**6161.9**
Stddev	39.	101.	1.3	8.4
%RSD	.04356	.72448	.06651	.13637
#1	89215.	13854.	2009.3	6156.0
#2	89160.	13997.	2007.4	6167.9

Zoom In Zoom Out

Sample Name: jb69234-5 Acquired: 6/20/2014 8:07:26 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0353**	**.0001**	**.0005**	**.0008**	**.0040**	**.0042**	**.0439**	**.0022**	**.0003**
Stddev	.0000	.0001	.0002	.0001	.0002	.0003	.0001	.0005	.0005
%RSD	.0546	108.4	33.29	16.20	4.591	6.496	.2102	21.63	159.2
#1	.0353	.0000	.0006	.0009	.0041	.0044	.0438	.0018	.0007
#2	.0354	.0001	.0004	.0007	.0038	.0040	.0439	.0025	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0151**	**.2193**	**.0153**	**.0015**	**.0038**	**-.0004**	**-.0023**	**1.526**	**34.25**
Stddev	.0001	.0009	.0002	.0002	.0003	.0009	.0012	.010	.14
%RSD	.3397	.3936	1.447	12.10	7.253	228.9	50.13	.6482	.4235
#1	.0151	.2186	.0151	.0014	.0040	-.0010	-.0015	1.533	34.35
#2	.0151	.2199	.0154	.0016	.0036	.0002	-.0032	1.519	34.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.45**	**5.509**	**3.271**	**110.1**	**.0267**	**.0017**	**-.0007**	**2.761**	**.0026**
Stddev	.01	.003	.026	.2	.0013	.0001	.0002	.007	.0000
%RSD	.0599	.0476	.7954	.2151	4.796	5.355	28.23	.2614	.8527
#1	10.45	5.507	3.289	110.2	.0258	.0018	-.0006	2.756	.0026
#2	10.46	5.511	3.253	109.9	.0276	.0017	-.0009	2.766	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1953**	**.0338**	**-.0182**	**.0032**	**10.13**	**.0013**	**.0018**
Stddev	.0009	.0002	.0004	.0000	.02	.0006	.0000
%RSD	.4747	.5218	2.122	1.263	.1512	43.97	1.123
#1	.1960	.0339	-.0179	.0032	10.12	.0009	.0018
#2	.1947	.0337	-.0185	.0031	10.14	.0017	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91992.**	**13737.**	**2017.6**	**6108.0**
Stddev	362.	16.	8.7	35.3
%RSD	.39327	.11887	.43015	.57819
#1	92248.	13725.	2023.8	6132.9
#2	91737.	13749.	2011.5	6083.0

Zoom In Zoom Out

Sample Name: jb69234-6 Acquired: 6/20/2014 8:13:38 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0160**	**.0001**	**.0006**	**.0004**	**.0013**	**.0027**	**.1783**	**.0019**	**.0003**
Stddev	.0001	.0001	.0001	.0001	.0001	.0003	.0005	.0000	.0002
%RSD	.8948	84.72	16.87	21.98	8.992	9.531	.2840	1.427	51.48
#1	.0161	.0001	.0005	.0003	.0014	.0029	.1779	.0019	.0005
#2	.0159	.0000	.0006	.0004	.0012	.0025	.1787	.0019	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0068**	**.0175**	**-.0023**	**.0009**	**.0011**	**-.0017**	**.3206**	**27.57**
Stddev	.0003	.0002	.0009	.0004	.0004	.0020	.0014	.0054	.09
%RSD	17.58	3.156	5.008	18.75	49.98	178.8	80.18	1.679	.3200
#1	.0015	.0069	.0181	-.0025	.0006	.0025	-.0008	.3168	27.51
#2	.0020	.0066	.0169	-.0020	.0012	-.0003	-.0027	.3244	27.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.02**	**4.291**	**3.890**	**90.32**	**.0386**	**.0002**	**-.0009**	**1.439**	**.0050**
Stddev	.02	.020	.020	.16	.0007	.0001	.0015	.001	.0011
%RSD	.1885	.4756	.5220	.1784	1.706	39.35	169.6	.0375	22.79
#1	12.00	4.277	3.876	90.21	.0381	.0002	-.0020	1.438	.0042
#2	12.04	4.306	3.904	90.44	.0390	.0003	.0002	1.439	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1775**	**.0060**	**-.0196**	**.0018**	**6.017**	**.0012**	**.0016**
Stddev	.0004	.0002	.0009	.0000	.021	.0006	.0007
%RSD	.2207	4.111	4.434	.2290	.3478	47.58	41.56
#1	.1772	.0059	-.0202	.0018	6.032	.0016	.0011
#2	.1778	.0062	-.0189	.0018	6.003	.0008	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91651.**	**13783.**	**2036.5**	**6213.5**
Stddev	131.	29.	3.4	.5
%RSD	.14274	.21344	.16547	.00853
#1	91744.	13804.	2038.9	6213.1
#2	91559.	13762.	2034.1	6213.9

Zoom In Zoom Out

Sample Name: jb69234-7 Acquired: 6/20/2014 8:19:51 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0572**	**.0002**	**.0004**	**.0010**	**.0033**	**.0034**	**.2797**	**.0027**	**.0022**
Stddev	.0001	.0000	.0003	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	.1691	7.253	71.51	16.13	2.705	3.235	.2089	1.912	6.176
#1	.0571	.0002	.0006	.0009	.0033	.0035	.2801	.0027	.0021
#2	.0572	.0002	.0002	.0012	.0032	.0033	.2792	.0027	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0051**	**.0215**	**.0498**	**-.0017**	**.0124**	**.0003**	**.0000**	**1.087**	**44.89**
Stddev	.0000	.0004	.0006	.0008	.0004	.0005	.0008	.002	.24
%RSD	.8605	1.930	1.187	47.19	2.974	168.9	1612.	.1379	.5449
#1	.0051	.0212	.0493	-.0011	.0126	-.0001	-.0005	1.088	45.06
#2	.0050	.0218	.0502	-.0022	.0121	.0006	.0006	1.086	44.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**37.84**	**6.858**	**7.317**	**136.9**	**.0476**	**.0019**	**-.0011**	**2.717**	**.0072**
Stddev	.13	.042	.034	.2	.0015	.0001	.0013	.040	.0001
%RSD	.3466	.6159	.4694	.1522	3.075	4.462	118.3	1.463	1.330
#1	37.93	6.888	7.342	137.0	.0466	.0019	-.0020	2.689	.0073
#2	37.74	6.828	7.293	136.8	.0486	.0020	-.0002	2.745	.0071

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3244**	**.0217**	**-.0184**	**.0066**	**7.810**	**.0024**	**.0016**
Stddev	.0000	.0001	.0007	.0001	.071	.0000	.0001
%RSD	.0118	.5568	3.573	1.280	.9052	.1692	4.586
#1	.3244	.0218	-.0179	.0066	7.760	.0024	.0015
#2	.3244	.0216	-.0188	.0067	7.860	.0024	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93552.**	**13630.**	**2009.9**	**6125.1**
Stddev	20.	126.	23.2	68.2
%RSD	.02125	.92131	1.1531	1.1132
#1	93538.	13541.	2026.3	6173.3
#2	93566.	13718.	1993.5	6076.9

Zoom In Zoom Out

Sample Name: jb69234-8 Acquired: 6/20/2014 8:26:04 Type: Unk
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 26th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0470**	**.0000**	**.0005**	**.0013**	**.0129**	**.0066**	**.4694**	**.0035**	**.0010**
Stddev	.0004	.0000	.0002	.0000	.0003	.0004	.0009	.0006	.0003
%RSD	.7766	24.33	31.49	.1811	2.626	5.753	.1991	16.18	26.54
#1	.0472	.0001	.0004	.0013	.0126	.0068	.4701	.0031	.0008
#2	.0467	.0000	.0006	.0013	.0131	.0063	.4688	.0039	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0141**	**.0088**	**.0011**	**.0037**	**-.0010**	**-.0033**	**.7162**	**43.68**
Stddev	.0001	.0001	.0002	.0013	.0004	.0011	.0004	.0017	.07
%RSD	2.062	.9038	2.508	113.0	10.21	110.5	10.95	.2440	.1492
#1	.0053	.0140	.0090	.0020	.0034	-.0002	-.0031	.7150	43.64
#2	.0055	.0142	.0086	.0002	.0040	-.0019	-.0036	.7175	43.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.59**	**8.227**	**5.804**	**80.03**	**.0456**	**-.0003**	**-.0011**	**1.939**	**.0848**
Stddev	.01	.007	.020	.10	.0004	.0002	.0011	.005	.0006
%RSD	.0530	.0858	.3409	.1276	.9616	48.28	96.48	.2540	.6906
#1	16.58	8.222	5.818	80.10	.0453	-.0005	-.0019	1.936	.0852
#2	16.60	8.232	5.790	79.96	.0459	-.0002	-.0003	1.943	.0843

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2916**	**.0190**	**-.0200**	**.0040**	**12.96**	**.0021**	**.0015**
Stddev	.0006	.0008	.0006	.0001	.07	.0005	.0001
%RSD	.1950	4.447	2.835	1.476	.5340	24.06	5.332
#1	.2920	.0196	-.0196	.0040	12.91	.0025	.0014
#2	.2912	.0184	-.0204	.0039	13.01	.0018	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87771.**	**13850.**	**2012.5**	**6123.3**
Stddev	36.	30.	2.3	1.6
%RSD	.04140	.21911	.11260	.02622
#1	87796.	13872.	2014.1	6124.5
#2	87745.	13829.	2010.9	6122.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 8:32:18 Type: QC
Method: Accutest1(v177) 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	**2.027**	**2.050**	**2.099**	**2.088**	**2.007**	**2.111**	**2.106**	**2.075**	**.2579**
Stddev	.003	.006	.003	.001	.005	.003	.004	.002	.0001
%RSD	.1247	.2933	.1472	.0582	.2314	.1232	.1732	.1042	.0390
#1	2.026	2.046	2.097	2.087	2.010	2.109	2.108	2.073	.2579
#2	2.029	2.055	2.101	2.089	2.003	2.113	2.103	2.076	.2580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**2.040**	**2.062**	**2.104**	**2.019**	**2.121**	**2.085**	**39.48**	**39.37**
Stddev	.002	.005	.003	.005	.001	.007	.003	.12	.11
%RSD	.1068	.2488	.1381	.2163	.0514	.3246	.1343	.2978	.2886
#1	2.068	2.036	2.060	2.107	2.020	2.126	2.083	39.40	39.29
#2	2.065	2.043	2.064	2.101	2.018	2.116	2.087	39.56	39.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.49**	**37.22**	**40.65**	**39.39**	**2.147**	**2.046**	**2.123**	**5.270**	**2.101**
Stddev	.04	.15	.08	.13	.008	.003	.002	.011	.007
%RSD	.1013	.3964	.2059	.3301	.3852	.1343	.0880	.2139	.3261
#1	40.52	37.12	40.59	39.30	2.141	2.044	2.121	5.262	2.096
#2	40.46	37.33	40.70	39.48	2.153	2.048	2.124	5.278	2.106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 8:32:18 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**2.117**	**1.865**	**2.040**	**2.095**	**2.087**	**2.071**
Stddev	.008	.002	.013	.001	.001	.004	.001
%RSD	.4021	.0837	.6821	.0694	.0345	.1887	.0644
#1	1.988	2.119	1.856	2.039	2.095	2.085	2.070
#2	1.999	2.116	1.874	2.041	2.094	2.090	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91125.**	**13503.**	**2048.2**	**6214.0**
Stddev	11.	12.	4.1	6.6
%RSD	.01184	.08668	.20246	.10698
#1	91117.	13511.	2051.2	6218.7
#2	91133.	13495.	2045.3	6209.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 8:38:21 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0004**	**.0000**	**.0008**	**.0003**	**.0006**	**.0003**
Stddev	.000	.0000	.0000	.0000	.000	.0000	.0000	.0001	.0001
%RSD	3199.	6.967	27.22	4.328	531.6	6.096	4.440	19.04	54.25
#1	-.0001	.0003	.0001	.0004	-.0001	.0007	.0003	.0005	.0002
#2	.0001	.0003	.0001	.0004	.0001	.0008	.0003	.0007	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0008**	F **.0027**	**.0006**	**.0020**	**-.0015**	**.0079**	**.0149**
Stddev	.0002	.0000	.0006	.0001	.0004	.0019	.0013	.0037	.0005
%RSD	111.9	17.24	76.55	5.229	60.08	93.04	87.72	47.03	3.066
#1	.0003	.0000	-.0013	.0028	.0004	.0007	-.0024	.0105	.0146
#2	.0000	.0000	-.0004	.0026	.0009	.0034	-.0006	.0053	.0152
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	**.0086**	**.0241**	**-.0141**	**.0132**	**.0016**	**.0003**	**.0010**	**.0053**	**.0001**
Stddev	.0018	.0134	.0064	.0051	.0004	.0002	.0001	.0003	.0003
%RSD	20.28	55.73	45.03	38.71	24.69	71.51	14.06	6.359	316.8
#1	.0074	.0146	-.0096	.0096	.0013	.0004	.0011	.0055	-.0001
#2	.0099	.0336	-.0186	.0168	.0018	.0001	.0009	.0050	.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: 6/20/2014 8:38:21 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0006**	**-.0119**	**.0001**	**.0041**	**.0003**	**.0010**
Stddev	.0001	.0001	.0018	.0000	.0009	.0000	.0011
%RSD	36.99	15.01	15.54	34.26	21.56	8.927	104.0
#1	.0002	.0006	-.0106	.0001	.0034	.0003	.0003
#2	.0003	.0005	-.0132	.0001	.0047	.0003	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99215.**	**13553.**	**2144.3**	**6839.5**
Stddev	223.	11.	7.9	17.4
%RSD	.22500	.08470	.36622	.25457
#1	99373.	13545.	2149.8	6851.8
#2	99057.	13561.	2138.7	6827.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 8:44:40 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2085**	**.0023**	**.0032**	**.0530**	**.0107**	**.0109**	**.0163**	**.0110**	**.0053**
Stddev	.0004	.0000	.0001	.0001	.0002	.0003	.0000	.0004	.0002
%RSD	.1860	.1181	4.018	.0997	2.130	2.883	.0382	3.242	3.309
#1	.2082	.0023	.0031	.0530	.0105	.0111	.0163	.0107	.0054
#2	.2087	.0023	.0033	.0529	.0108	.0106	.0163	.0112	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0511**	**.0236**	**.0089**	**.0103**	**.0024**	**.0129**	**.0050**	**.2136**	**4.989**
Stddev	.0001	.0002	.0002	.0009	.0002	.0009	.0003	.0036	.007
%RSD	.1361	.8429	2.208	8.855	9.617	7.069	6.598	1.688	.1448
#1	.0511	.0235	.0088	.0110	.0025	.0135	.0052	.2162	4.994
#2	.0510	.0238	.0091	.0097	.0022	.0123	.0047	.2111	4.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1042**	**4.894**	**5.058**	**5.072**	**.1095**	**.0207**	**.0593**	**.2130**	**.0105**
Stddev	.0013	.031	.014	.002	.0000	.0002	.0008	.0014	.0003
%RSD	1.205	.6420	.2834	.0313	.0101	1.146	1.359	.6366	3.018
#1	.1051	4.916	5.048	5.073	.1095	.0208	.0587	.2120	.0107
#2	.1033	4.872	5.068	5.071	.1096	.0205	.0599	.2139	.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: 6/20/2014 8:44:40 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0114**	**.0376**	**.0118**	**.0535**	**.0222**	**.0219**
Stddev	.0000	.0003	.0009	.0002	.0007	.0010	.0008
%RSD	.3388	2.571	2.266	1.893	1.271	4.506	3.789
#1	.0107	.0111	.0382	.0119	.0530	.0215	.0225
#2	.0106	.0116	.0370	.0116	.0540	.0229	.0213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98362.**	**13489.**	**2128.0**	**6729.8**
Stddev	48.	31.	.7	4.6
%RSD	.04925	.23341	.03134	.06850
#1	98328.	13467.	2128.5	6733.0
#2	98396.	13511.	2127.5	6726.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 8:50:53 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0011**	**.0011**	**.0035**	**.0018**	**.0024**	**.0033**	**.0050**	**.0008**
Stddev	.0001	.0000	.0001	.0002	.0000	.0001	.0000	.0002	.0000
%RSD	3.650	1.913	13.35	6.414	2.160	2.288	.3452	4.122	3.123
#1	.0038	.0011	.0010	.0037	.0018	.0024	.0033	.0049	.0008
#2	.0041	.0011	.0012	.0033	.0018	.0025	.0033	.0052	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0118**	**.0026**	**.0021**	**.0019**	F **.0088**	F **.0016**	**.1065**	**1.035**
Stddev	.0003	.0000	.0012	.0011	.0001	.0002	.0007	.0060	.003
%RSD	15.46	.1395	46.80	52.66	7.550	2.743	43.93	5.612	.3298
#1	.0019	.0118	.0034	.0013	.0018	.0086	.0021	.1107	1.032
#2	.0016	.0118	.0017	.0029	.0020	.0090	.0011	.1023	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value						.0050	.0030		
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	**-.0008**	**.1146**	**2.090**	**1.021**	**.0104**	**-.0010**	**.0015**	**-.0008**	**-.0008**
Stddev	.0018	.0012	.043	.003	.0010	.0002	.0007	.0002	.0007
%RSD	226.8	1.068	2.063	.2416	9.493	19.53	48.37	20.11	92.30
#1	.0005	.1155	2.120	1.019	.0097	-.0011	.0010	-.0007	-.0003
#2	-.0020	.1138	2.059	1.023	.0111	-.0009	.0019	-.0009	-.0013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 8:50:53 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0173**	**-.0005**	**.0034**	**.0004**	**.0004**
Stddev	.0000	.0002	.0004	.0000	.0002	.0006	.0000
%RSD	102.5	101.1	2.072	8.358	6.973	145.2	11.31
#1	.0000	.0004	-.0176	-.0006	.0032	.0008	.0004
#2	.0000	.0001	-.0171	-.0005	.0035	.0000	.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	**98804.**	**13408.**	**2142.5**	**6818.0**
Stddev	41.	28.	6.7	11.0
%RSD	.04169	.20685	.31280	.16093
#1	98775.	13388.	2147.2	6825.7
#2	98833.	13428.	2137.7	6810.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 8:57:36 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0001**	**.0000**	**.0003**	**-.0002**	**.0004**	**.0000**	**.0003**	**.0001**
Stddev	.0001	.0000	.000	.0000	.0005	.0001	.0000	.0003	.0001
%RSD	41.37	50.18	209.4	9.571	226.0	29.59	229.9	112.1	159.7
#1	-.0002	-.0001	.0000	.0003	.0001	.0005	.0000	.0005	.0000
#2	-.0004	.0000	.0000	.0003	-.0005	.0003	.0000	.0001	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**.0210**	**.0003**	**.0202**	**.0259**	**.0189**	**.4948**	**.0059**
Stddev	.0000	.0001	.0006	.0008	.0007	.0004	.0004	.0085	.0006
%RSD	20.87	54.33	3.009	247.3	3.525	1.459	2.241	1.721	9.583
#1	-.0002	.0001	.0215	.0009	.0197	.0262	.0192	.5008	.0055
#2	-.0002	.0001	.0206	-.0002	.0207	.0257	.0186	.4887	.0064
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	**.5150**	**.0015**	**-.0268**	**-.0028**	**-.0006**	**-.0012**	**.0008**	**-.0009**	**-.0008**
Stddev	.0009	.0141	.0045	.0056	.0004	.0000	.0005	.0007	.0004
%RSD	.1795	933.3	16.70	200.3	68.03	.7075	67.05	72.99	54.21
#1	.5143	-.0085	-.0300	.0012	-.0003	-.0012	.0004	-.0014	-.0005
#2	.5156	.0115	-.0237	-.0068	-.0008	-.0012	.0011	-.0004	-.0011
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 8:57:36 Type: QC
Method: Accutest1(v177) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0185**	**-.0005**	**.0036**	**.0006**	**-.0002**
Stddev	.000	.0001	.0005	.0000	.0012	.0002	.0000
%RSD	127.8	69.17	2.672	4.244	34.52	38.85	13.49
#1	-.0001	-.0001	-.0188	-.0005	.0027	.0004	-.0002
#2	.0000	-.0002	-.0181	-.0005	.0045	.0007	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98122.**	**13529.**	**2150.2**	**6836.8**
Stddev	259.	43.	6.8	13.8
%RSD	.26413	.32056	.31448	.20136
#1	98306.	13499.	2155.0	6846.5
#2	97939.	13560.	2145.4	6827.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 9:03:56 Type: QC
Method: Accutest1(v177) 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	**2.017**	**2.051**	**2.052**	**2.054**	**2.025**	**2.021**	**1.995**	**2.019**	**.2382**
Stddev	.004	.001	.002	.002	.007	.002	.010	.000	.0011
%RSD	.1855	.0255	.0750	.0954	.3361	.1070	.4864	.0157	.4810
#1	2.014	2.051	2.051	2.052	2.029	2.022	2.002	2.019	.2390
#2	2.019	2.051	2.053	2.055	2.020	2.019	1.988	2.019	.2374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.045**	**1.995**	**2.008**	**2.004**	**2.051**	**2.054**	**41.30**	**41.56**
Stddev	.007	.001	.002	.014	.002	.002	.005	.07	.03
%RSD	.3598	.0487	.0998	.7111	.0867	.0935	.2497	.1743	.0793
#1	2.020	2.046	1.994	2.018	2.005	2.050	2.051	41.25	41.54
#2	2.010	2.045	1.996	1.998	2.003	2.052	2.058	41.35	41.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.10**	**39.96**	**40.95**	**40.82**	**2.085**	**2.040**	**1.973**	**5.200**	**2.037**
Stddev	.06	.06	.06	.07	.005	.005	.006	.010	.001
%RSD	.1536	.1581	.1361	.1816	.2652	.2235	.2968	.1968	.0575
#1	39.14	40.00	40.91	40.77	2.081	2.037	1.977	5.193	2.038
#2	39.05	39.91	40.99	40.88	2.089	2.043	1.968	5.208	2.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 9:03:56 Type: QC
Method: Accutest1(v177) 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	**2.072**	**1.976**	**1.855**	**2.035**	**2.030**	**2.051**	**2.032**
Stddev	.007	.010	.011	.004	.002	.007	.000
%RSD	.3414	.5166	.6037	.2232	.0792	.3400	.0064
#1	2.067	1.983	1.847	2.039	2.029	2.046	2.032
#2	2.077	1.969	1.863	2.032	2.032	2.056	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	**96565.**	**13278.**	**2087.2**	**6382.1**
Stddev	457.	27.	3.5	4.2
%RSD	.47307	.20514	.16778	.06567
#1	96242.	13259.	2089.7	6385.0
#2	96888.	13298.	2084.8	6379.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 9:08:19 Type: QC
Method: Accutest1(v177) 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	**-.0001**	**.0002**	**.0003**	**.0005**	**.0001**	**-.0001**	**.0003**	**.0006**	**.0001**
Stddev	.0002	.0001	.0000	.0002	.0002	.0003	.0000	.0001	.0002
%RSD	227.2	37.90	10.54	37.85	303.9	362.1	8.958	12.69	173.6
#1	-.0002	.0003	.0003	.0007	.0002	.0001	.0003	.0006	.0002
#2	.0000	.0002	.0004	.0004	-.0001	-.0003	.0003	.0005	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**-.0001**	F **.0024**	**.0004**	**.0002**	**-.0007**	**.0082**	**.0169**
Stddev	.0000	.0001	.0004	.0003	.0012	.0003	.0008	.0001	.0000
%RSD	9.443	22.48	297.0	11.75	314.4	202.2	127.5	1.591	.1318
#1	.0003	.0003	.0002	.0022	.0012	-.0001	-.0001	.0083	.0169
#2	.0003	.0004	-.0005	.0026	-.0005	.0004	-.0012	.0082	.0169
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	**.0094**	**.0179**	**-.0034**	**.0137**	**.0033**	F **.0023**	**.0015**	**.0045**	**-.0008**
Stddev	.0020	.0022	.0191	.0063	.0008	.0006	.0003	.0001	.0004
%RSD	20.92	12.46	563.9	46.30	23.59	27.35	20.36	2.955	49.28
#1	.0080	.0163	.0101	.0092	.0038	.0027	.0013	.0046	-.0005
#2	.0108	.0194	-.0169	.0182	.0027	.0018	.0017	.0044	-.0011
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: 6/20/2014 9:08:19 Type: QC
Method: Accutest1(v177) 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	**.0002**	**.0003**	**-.0081**	**.0005**	**.0038**	**.0000**	**-.0003**
Stddev	.0001	.0004	.0022	.0001	.0019	.000	.0006
%RSD	23.16	102.1	27.40	13.97	50.59	3121.	231.3
#1	.0003	.0001	-.0065	.0005	.0051	.0001	.0002
#2	.0002	.0006	-.0097	.0004	.0024	-.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103190.**	**13234.**	**2169.9**	**6971.3**
Stddev	105.	15.	.5	2.4
%RSD	.10141	.11663	.02434	.03441
#1	103110.	13245.	2170.3	6973.0
#2	103260.	13223.	2169.5	6969.6

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 9:12:57 Type: QC
Method: Accutest1(v177) 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	**-.0013**	**-.0001**	**.0004**	**.0009**	**.0000**	**-.0045**	**.0017**	**.0008**	**.0070**
Stddev	.0001	.0000	.0000	.0001	.0003	.0004	.0001	.0000	.0001
%RSD	5.728	60.33	4.162	9.717	2332.	8.287	4.980	1.921	2.039
#1	-.0012	-.0001	.0004	.0009	-.0002	-.0047	.0018	.0008	.0071
#2	-.0013	.0000	.0004	.0008	.0002	-.0042	.0016	.0008	.0069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**-.0015**	**-.0028**	**.0013**	**.0057**	**-.0055**	**.0015**	**515.0**	**386.2**
Stddev	.0000	.0002	.0003	.0001	.0006	.0019	.0032	6.2	.3
%RSD	1.102	11.02	9.163	9.730	11.18	34.33	213.3	1.208	.0728
#1	-.0028	-.0014	-.0026	.0012	.0062	-.0041	-.0008	510.6	386.4
#2	-.0028	-.0017	-.0030	.0014	.0053	-.0068	.0038	519.4	386.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**177.0**	**524.3**	**-.0385**	**-.0105**	**-.0129**	**.0068**	**-.0139**	**-.0045**	**.0097**
Stddev	.2	.3	.0195	.0088	.0012	.0002	.0001	.0004	.0004
%RSD	.0994	.0553	50.71	84.35	9.191	3.127	.6532	8.370	3.762
#1	176.9	524.5	-.0247	-.0042	-.0121	.0066	-.0140	-.0042	.0099
#2	177.2	524.1	-.0524	-.0167	-.0137	.0069	-.0138	-.0047	.0094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 9:12:57 Type: QC
Method: Accutest1(v177) 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	**-.0008**	**.0028**	**.0061**	F **.0251**	**-.0122**	**.0056**	**.0066**
Stddev	.0001	.0002	.0007	.0000	.0032	.0026	.0004
%RSD	16.75	6.441	11.64	.1496	26.59	46.33	6.045
#1	-.0007	.0027	.0056	.0250	-.0099	.0037	.0063
#2	-.0009	.0030	.0066	.0251	-.0145	.0074	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88546.**	**12847.**	**1932.4**	**5735.0**
Stddev	222.	17.	.8	2.1
%RSD	.25074	.13508	.04159	.03740
#1	88389.	12860.	1933.0	5736.6
#2	88703.	12835.	1931.9	5733.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/20/2014 9:17:36 Type: QC
Method: Accutest1(v177) 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	**.4949**	**.4944**	**1.027**	**.4782**	**.4739**	**.5283**	**.4933**	**.9452**	**1.018**
Stddev	.0013	.0019	.002	.0011	.0026	.0020	.0028	.0021	.005
%RSD	.2683	.3901	.1879	.2199	.5410	.3767	.5687	.2254	.4884
#1	.4959	.4958	1.028	.4789	.4757	.5297	.4953	.9467	1.021
#2	.4940	.4931	1.025	.4774	.4720	.5268	.4913	.9437	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	**.4526**	**.9324**	**1.087**	**.9342**	**.9277**	**1.104**	**1.061**	**511.2**	**380.6**
Stddev	.0018	.0013	.004	.0044	.0035	.003	.001	.9	4.0
%RSD	.3898	.1377	.3826	.4681	.3804	.2355	.1175	.1737	1.041
#1	.4538	.9333	1.090	.9312	.9252	1.106	1.061	510.6	383.4
#2	.4513	.9315	1.084	.9373	.9302	1.102	1.060	511.8	377.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**184.8**	**524.3**	**-.0696**	**-.0053**	**-.0139**	**.5161**	**.5497**	**-.0078**	**.0089**
Stddev	.4	2.2	.0377	.0017	.0007	.0001	.0004	.0001	.0013
%RSD	.2362	.4177	54.16	32.71	4.948	.0135	.0800	1.809	14.31
#1	185.1	525.8	-.0430	-.0065	-.0134	.5161	.5501	-.0077	.0080
#2	184.5	522.7	-.0963	-.0040	-.0144	.5162	.5494	-.0079	.0098
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/20/2014 9:17:36 Type: QC
Method: Accutest1(v177) 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	**-.0007**	**.0059**	**.5487**	**.4816**	**.4641**	**.5185**	F **.6051**
Stddev	.0000	.0000	.0010	.0006	.0030	.0022	.0004
%RSD	5.139	.0815	.1764	.1272	.6378	.4249	.0591
#1	-.0007	.0059	.5494	.4812	.4620	.5201	.6054
#2	-.0008	.0059	.5480	.4820	.4662	.5170	.6049
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							.5000
Range							20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86217.**	**12660.**	**1924.9**	**5719.1**
Stddev	333.	4.	4.6	16.6
%RSD	.38671	.03250	.24115	.28992
#1	85981.	12663.	1921.6	5707.3
#2	86453.	12657.	1928.2	5730.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 9:22:10 Type: QC
Method: Accutest1(v177) 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	**2.028**	**2.053**	**2.050**	**2.051**	**2.036**	**2.022**	**2.037**	**2.040**	**.2447**
Stddev	.003	.003	.003	.000	.002	.004	.003	.002	.0003
%RSD	.1524	.1194	.1455	.0091	.1138	.2204	.1524	.0792	.1403
#1	2.026	2.051	2.048	2.051	2.038	2.025	2.039	2.041	.2444
#2	2.030	2.055	2.052	2.051	2.035	2.019	2.035	2.039	.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	**2.021**	**2.056**	**2.000**	**2.031**	**2.022**	**2.024**	**2.037**	**41.93**	**41.91**
Stddev	.004	.004	.000	.005	.001	.005	.003	.01	.04
%RSD	.1933	.2124	.0083	.2327	.0666	.2642	.1666	.0178	.0974
#1	2.023	2.053	2.000	2.035	2.021	2.028	2.034	41.93	41.88
#2	2.018	2.059	2.000	2.028	2.023	2.020	2.039	41.94	41.94
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	**39.75**	**41.06**	**40.69**	**40.63**	**2.063**	**2.044**	**2.004**	**5.078**	**2.050**
Stddev	.04	.10	.06	.16	.001	.003	.003	.000	.001
%RSD	.0953	.2352	.1583	.3861	.0581	.1258	.1474	.0022	.0615
#1	39.78	41.13	40.64	40.52	2.064	2.042	2.006	5.078	2.051
#2	39.73	40.99	40.74	40.74	2.063	2.046	2.002	5.078	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 9:22:10 Type: QC
Method: Accutest1(v177) 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	**2.061**	**2.014**	**1.882**	**2.040**	**1.990**	**2.024**	**2.038**
Stddev	.007	.002	.006	.002	.001	.002	.003
%RSD	.3316	.1076	.2968	.0952	.0703	.0733	.1450
#1	2.057	2.015	1.878	2.041	1.989	2.023	2.036
#2	2.066	2.012	1.886	2.038	1.991	2.025	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95599.**	**13049.**	**2114.3**	**6424.9**
Stddev	147.	11.	5.1	9.0
%RSD	.15343	.08358	.23968	.14026
#1	95495.	13057.	2117.8	6431.2
#2	95703.	13041.	2110.7	6418.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 9:28:58 Type: QC
Method: Accutest1(v177) 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	**.0004**	**.0003**	**.0002**	**.0005**	**.0001**	**.0002**	**.0003**	**.0007**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.0000	.0003	.0000
%RSD	13.52	12.91	15.75	22.88	188.2	114.8	10.48	39.16	19.23
#1	.0004	.0003	.0002	.0004	.0003	.0000	.0004	.0008	-.0003
#2	.0004	.0002	.0002	.0006	.0000	.0003	.0003	.0005	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0011**	**.0018**	**-.0003**	**.0002**	**-.0006**	**.0149**	**.0146**
Stddev	.0003	.0001	.0004	.0002	.0006	.0007	.0002	.0073	.0012
%RSD	199.1	32.72	37.21	11.72	188.9	400.1	39.28	49.11	8.136
#1	-.0001	.0003	.0014	.0017	-.0007	-.0003	-.0008	.0200	.0155
#2	.0004	.0005	.0008	.0020	.0001	.0007	-.0004	.0097	.0138
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**	**.0063**	**-.0330**	**.0088**	**.0023**	**.0013**	**.0014**	**.0049**	**.0003**
Stddev	.0005	.0016	.0023	.0016	.0002	.0002	.0004	.0004	.0002
%RSD	7.502	25.75	6.861	17.94	8.827	19.50	26.02	8.233	81.03
#1	.0072	.0074	-.0346	.0099	.0024	.0015	.0011	.0051	.0005
#2	.0065	.0051	-.0314	.0077	.0021	.0011	.0016	.0046	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 9:28:58 Type: QC
Method: Accutest1(v177) 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	**.0003**	**.0005**	**-.0046**	**.0002**	**.0030**	**.0000**	**.0005**
Stddev	.0000	.0000	.0006	.0000	.0013	.0002	.0013
%RSD	12.67	.0540	12.64	2.548	41.49	416.6	279.8
#1	.0002	.0005	-.0042	.0002	.0021	.0002	-.0005
#2	.0003	.0005	-.0050	.0002	.0039	-.0001	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100850.**	**12967.**	**2206.4**	**7028.5**
Stddev	350.	14.	.7	6.0
%RSD	.34717	.10481	.03183	.08569
#1	101100.	12976.	2206.9	7032.7
#2	100600.	12957.	2205.9	7024.2

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000000	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.001000	0.000000	No
	Be 313.042 {108}	☒	12	V	0.000935	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.001052	0.000000	No
				Mn	0.000016	0.000000	No
				Ba	-0.000013	0.000000	No
				Zn	0.000010	0.000000	No
				Sb	0.000079	0.000000	No
				Ag	0.000060	0.000000	No
				Sn	0.000010	0.000000	No
				Cu	0.000005	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000020	0.000000	No
	Cd 228.802 {448}	☒	16	As	0.003636	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	0.000000	0.000000	No
				Al	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000014	0.000000	No
				Mo	0.000002	0.000000	No
				Ti	-0.000049	0.000000	No
				Cu	-0.000010	0.000000	No
				Sr	-0.000050	0.000000	No
				Zr	0.000000	0.000000	No
				W	0.000000	0.000000	No
	Co 228.616 {448}	☒	7	Fe	-0.000001	0.000000	No
				Cr	0.000000	0.000000	No
				Ba	0.000006	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	-0.000002	0.000000	No
				Ti	0.001770	0.000000	No
				Mo	-0.000500	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000330	0.000000	No
				Mo	-0.000053	0.000000	No
				Fe	-0.000009	0.000000	No
				Co	0.000160	0.000000	No
				Al	0.000000	0.000000	No
				Sn	-0.000070	0.000000	No
				Ti	-0.000058	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.001783	0.000000	No
	Cu 324.754 {104}2	☒	12	Cr	-0.000025	0.000000	No
				Mo	0.000302	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	-0.000154	0.000000	No
				Zr	0.000100	0.000000	No
				V	-0.000050	0.000000	No
				Ca	-0.000005	0.000000	No
				Ni	-0.000020	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	6	Fe	-0.000056	0.000000	No
				Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000000	0.000000	No
			Mo	-0.000160	0.000000	No
			As	0.000400	0.000000	No
			W	0.000000	0.000000	No
Ni 231.604 {446}	☒	8	Cr	-0.000028	0.000000	No
			Mo	-0.000065	0.000000	No
			Fe	0.000020	0.000000	No
			Zn	0.000017	0.000000	No
			Co	-0.000423	0.000000	No
			Cu	0.000152	0.000000	No
			Ti	0.000120	0.000000	No
			W	-0.000260	0.000000	No
Ag 328.068 {103}	☒	17	Mn	0.000142	0.000000	No
			Mo	-0.000012	0.000000	No
			Ti	-0.000070	0.000000	No
			V	-0.001200	0.000000	No
			Zr	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000245	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	0.000000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.010850	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.004020	0.000000	No
			Mn	-0.000700	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000400	0.000000	No
			Mo	-0.000350	0.000000	No
			Fe	-0.000005	0.000000	No
			Co	0.000122	0.000000	No
			Ni	0.000058	0.000000	No
			Se	0.000141	0.000000	No
			Ba	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000085	0.000000	No
			Sn	0.000068	0.000000	No
			V	0.000230	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	-0.000400	0.000000	No
As 189.042 {478}	☒	21	Al	0.000015	0.000000	No
			Fe	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.002010	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
				W	0.000000	0.000000	No
	Tl 190.856 {477}	☒	27	Cr	0.000283	0.000000	No
				Mo	-0.002700	0.000000	No
				Al	-0.000008	0.000000	No
				V	-0.036000	0.000000	No
				Mn	0.001000	0.000000	No
				Si	-0.000039	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.001000	0.000000	No
				Cu	-0.000095	0.000000	No
				Co	0.012300	0.000000	No
				Sr	-0.001000	0.000000	No
				Zn	-0.000080	0.000000	No
				Pb	-0.000090	0.000000	No
				Mg	-0.000001	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	-0.000103	0.000000	No
				Li	0.000009	0.000000	No
				S	-0.000010	0.000000	No
				Na	-0.000001	0.000000	No
				K	0.000375	0.000000	No
				As	0.000200	0.000000	No
	Pb 220.353 {453}	☒	22	Al	-0.000112	0.000000	No
				Ca	0.000013	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	-0.000006	0.000000	No
				Co	0.000016	0.000000	No
				Ti	0.000000	0.000000	No
				Si	-0.000140	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	0.000033	0.000000	No
				W	0.000000	0.000000	No
				Zr	0.000000	0.000000	No
				S	0.000010	0.000000	No
				Sr	-0.000497	0.000000	No
	Se 196.090 {472}	☒	18	Al	-0.000022	0.000000	No
				Ca	-0.000011	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mn	0.000945	0.000000	No
			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	-0.000551	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	0.105000	0.000000	No
			Zr	-0.000833	0.000000	No
			V	0.000600	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
			Al	0.000021	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.000078	0.000000	No
			Cr	0.013600	0.000000	No
			V	-0.002240	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	0.000420	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.015034	0.000000	No
			Mn	-0.000060	0.000000	No
			Co	-0.000121	0.000000	No
			Se	-0.000252	0.000000	No
			Zr	-0.000300	0.000000	No
			W	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Mg	0.000006	0.000000	No
			S	-0.000016	0.000000	No
Al 396.152 { 85}	☒	8	Ca	0.000100	0.000000	No
			Mo	0.036700	0.000000	No
			Ti	-0.006610	0.000000	No
			Si	0.001149	0.000000	No
			Co	-0.000115	0.000000	No
			Li	-0.001000	0.000000	No
			W	0.000000	0.000000	No
			Ba	0.004500	0.000000	No
Ca 317.933 {106}	☒	5	Al	0.000043	0.000000	No
			Fe	0.000078	0.000000	No
			Mg	0.000071	0.000000	No
			Ti	-0.000042	0.000000	No
			Co	0.001850	0.000000	No
Fe 259.940 {130}	☒	11	Cr	0.000237	0.000000	No
			Zn	0.000466	0.000000	No
			Al	0.000017	0.000000	No
			Co	0.002732	0.000000	No
			Cd	0.000700	0.000000	No
			Sn	-0.000019	0.000000	No
			Ti	-0.000710	0.000000	No
			Si	0.000053	0.000000	No
			Ca	0.000012	0.000000	No
			Ba	0.000400	0.000000	No
			V	0.000000	0.000000	No
Mg 279.079 {121}	☒	4	Al	0.000000	0.000000	No
			Mo	-0.018810	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No
K 766.490 { 44}	☒	1	Mg	0.000000	0.000000	No
Na 589.592 { 57}	☒	1	Al	0.000039	0.000000	No
B 208.959 {462}	☒	4	Mo	0.040650	0.000000	No
			Al	0.000008	0.000000	No
			Ti	-0.000001	0.000000	No
			Pd	0.000630	0.000000	No
Mo 202.030 {467}	☒	8	Ti	0.000300	0.000000	No
			Pd	0.000018	0.000000	No
			Al	-0.000011	0.000000	No
			Mg	-0.000005	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000006	0.000000	No
			V	-0.000100	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000950	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	-0.000025	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	0.003000	0.000000	No
Si 212.412 {459}	☒	11	Mn	0.003820	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	0.059700	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	0.000000	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.001660	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000006	0.000000	No
			Mo	0.000058	0.000000	No
Sr 407.771 { 83}	☒	3	Ca	0.000032	0.000000	No
			Pd	0.000168	0.000000	No
			Ti	0.000000	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.001620	0.000000	No
			Zr	0.000002	0.000000	No
			W	-0.005996	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	4	Al	-0.000024	0.000000	No
			V	0.001000	0.000000	No
			Zn	0.010800	0.000000	No
			Fe	-0.000050	0.000000	No
Zr 339.198 { 99}	☒	16	Fe	-0.000058	0.000000	No
			Si	0.000088	0.000000	No
			Ba	-0.000049	0.000000	No
			Sn	0.000047	0.000000	No
			Sb	-0.000067	0.000000	No
			V	0.000030	0.000000	No
			W	0.000500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000097	0.000000	No
				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}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	-0.000022	0.000000	No
				Fe	0.000021	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	☒	2	Fe	0.000038	0.000000	No
				Ti	-0.003722	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}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.003280	2.627242	0.000000	1.000000
Be 313.042 {108}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000188	2.667870	0.000000	1.000000
Cd 228.802 {448}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000338	1.022621	0.000000	1.000000
Co 228.616 {448}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000367	0.364215	0.000000	1.000000
Cr 267.716 {126}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000016	0.082620	0.000000	1.000000
Cu 324.754 {104}2	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.001527	0.256962	0.000000	1.000000
Mn 257.610 {131}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000022	0.215895	0.000000	1.000000
Ni 231.604 {446}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000908	0.278278	0.000000	1.000000
Ag 328.068 {103}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000055	0.137573	0.000000	1.000000
V 292.402 {115}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000072	0.168478	0.000000	1.000000
Zn 206.200 {464}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000331	0.968991	0.000000	1.000000
As 189.042 {478}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000497	0.174788	0.000000	1.000000
Tl 190.856 {477}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000207	0.036082	0.000000	1.000000
Pb 220.353 {453}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000136	0.127584	0.000000	1.000000
Se 196.090 {472}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000427	0.093440	0.000000	1.000000
Sb 206.833 {463}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.001272	0.230575	0.000000	1.000000
Al 396.152 { 85}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.000654	0.045423	0.000000	1.000000
Ca 317.933 {106}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	0.003625	0.068427	0.000000	1.000000
Fe 259.940 {130}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000037	0.039322	0.000000	1.000000
Mg 279.079 {121}	6/20/2014 10:13:31	6/19/2014 11:12:46	Linear	1/Conc	-0.000099	0.004914	0.000000	1.000000
K 766.490 { 44}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.002590	0.027068	0.000000	1.000000
Na 589.592 { 57}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.003178	0.093398	0.000000	1.000000
B 208.959 {462}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.000940	0.226628	0.000000	1.000000
Mo 202.030 {467}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.001616	0.987086	0.000000	1.000000
Pd 340.458 { 99}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	-0.000079	0.057075	0.000000	1.000000
Si 212.412 {459}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.006425	0.266393	0.000000	1.000000
Sn 189.989 {478}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.000606	0.163783	0.000000	1.000000
Sr 407.771 { 83}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.000016	3.292672	0.000000	1.000000
Ti 334.904 {101}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	-0.000144	0.162981	0.000000	1.000000
Y 360.073 { 94}*	6/20/2014 10:13:31	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/20/2014 10:13:31	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/20/2014 10:13:31	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/20/2014 10:13:31	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.014463	0.481279	0.000000	1.000000
Zr 339.198 { 99}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.000082	0.381824	0.000000	1.000000
S 182.034 {485}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	0.000435	0.073948	0.000000	1.000000
Bi 223.061 {451}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	-0.000970	0.335729	0.000000	1.000000
Li 670.784 { 50}	6/20/2014 10:13:31	6/19/2014 11:12:47	Linear	1/Conc	-0.001119	0.691605	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	0.000230	0.000766	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000078	0.000260	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000211	0.000704	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000298	0.000993	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000439	0.001462	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000366	0.001221	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000061	0.000204	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000352	0.001174	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000441	0.001469	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000305	0.001016	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000191	0.000637	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001039	0.003463	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001934	0.006446	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001147	0.003825	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002263	0.007543	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001156	0.003852	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.009783	0.032609	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003516	0.011719	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002958	0.009861	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.028654	0.095514	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.033446	0.111488	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.009032	0.030107	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000739	0.002462	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000231	0.000769	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001321	0.004404	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000947	0.003157	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000845	0.002815	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000109	0.000363	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000444	0.001482	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	0.000989	0.003296	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000183	0.000610	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002235	0.007451	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001092	0.003640	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001270	0.004234	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/20/2014 11:03:43 Type: Cal
Method: Accutest1(v181) 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	**.0031**	**.0003**	**.0002**	**-.0003**	**.0000**	**.0015**	**.0000**	**-.0008**	**.0000**
Stddev	.0004	.0001	.0001	.0000	.0000	.0001	.0000	.0001	.000
%RSD	14.40	44.15	31.73	16.03	73.99	4.895	5.256	6.780	131.0
#1	.0028	.0002	.0003	-.0003	.0000	.0016	.0000	-.0009	.0000
#2	.0034	.0004	.0002	-.0003	.0000	.0015	.0000	-.0008	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0004**	**.0007**	**-.0002**	**.0000**	**.0003**	**.0009**	**.0008**	**.0038**
Stddev	.0000	.0001	.0000	.0000	.0000	.0001	.0001	.0002	.0000
%RSD	46.12	35.93	2.344	22.71	649.5	22.08	13.32	18.85	.2847
#1	-.0001	.0005	.0007	-.0003	.0000	.0003	.0009	.0007	.0038
#2	-.0001	.0003	.0006	-.0002	.0000	.0002	.0010	.0009	.0038

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**	**.0020**	**.0026**	**.0008**	**.0013**	**-.0001**	**.0063**	**.0005**
Stddev	.0000	.000	.0010	.0003	.0000	.0001	.0000	.0001	.0000
%RSD	11.63	3193.	49.47	11.22	5.193	4.370	17.39	1.160	4.145
#1	.0001	.0000	.0013	.0024	.0008	.0013	-.0001	.0064	.0005
#2	.0001	.0000	.0027	.0028	.0008	.0013	-.0001	.0062	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0128**	**.0000**	**.0003**	**-.0009**	**-.0004**
Stddev	.000	.0001	.0005	.0001	.0001	.0003	.0001
%RSD	216.4	68.91	3.845	224.1	15.80	36.75	20.08
#1	-.0001	-.0001	.0132	.0001	.0004	-.0006	-.0004
#2	.0000	-.0001	.0125	.0000	.0003	-.0011	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109240.**	**14009.**	**2476.1**	**7701.5**
Stddev	35.	66.	.3	6.6
%RSD	.03203	.46764	.01221	.08563
#1	109270.	14056.	2476.3	7706.2
#2	109220.	13963.	2475.9	7696.9

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/20/2014 11:09:58 Type: Cal
Method: Accutest1(v181) 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	**9.540**	**9.671**	**3.733**	**1.356**	**.3024**	**.9343**	**.8044**	**1.037**	**.0639**
Stddev	.048	.052	.008	.002	.0009	.0021	.0026	.001	.0001
%RSD	.4997	.5348	.2043	.1255	.3020	.2246	.3204	.0630	.0855
#1	9.574	9.707	3.728	1.355	.3031	.9328	.8063	1.036	.0639
#2	9.506	9.634	3.739	1.358	.3018	.9358	.8026	1.037	.0640

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	**.5659**	**3.544**	**.6581**	**.1921**	**.4742**	**.3717**	**.8341**	**3.212**	**4.838**
Stddev	.0004	.000	.0022	.0015	.0001	.0004	.0012	.015	.026
%RSD	.0641	.0038	.3299	.7619	.0159	.1204	.1471	.4771	.5301
#1	.5661	3.544	.6565	.1911	.4743	.3713	.8332	3.223	4.856
#2	.5656	3.544	.6596	.1932	.4742	.3720	.8350	3.201	4.819

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.838**	**.3440**	**1.960**	**6.654**	**.8597**	**3.616**	**.2110**	**2.476**	**.6023**
Stddev	.013	.0029	.010	.040	.0024	.013	.0001	.004	.0016
%RSD	.4545	.8440	.4971	.5944	.2846	.3611	.0348	.1757	.2703
#1	2.847	.3461	1.967	6.682	.8579	3.607	.2109	2.473	.6012
#2	2.829	.3419	1.953	6.626	.8614	3.626	.2110	2.479	.6035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.73**	**.6039**	**1.563**	**1.350**	**.2556**	**1.192**	**2.568**
Stddev	.06	.0015	.016	.001	.0013	.003	.010
%RSD	.5448	.2532	1.025	.0880	.5270	.2478	.4057
#1	11.77	.6050	1.552	1.350	.2547	1.190	2.575
#2	11.68	.6028	1.574	1.351	.2566	1.194	2.561

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100730.**	**13959.**	**2318.1**	**6798.4**
Stddev	159.	23.	6.8	14.8
%RSD	.15801	.16691	.29526	.21791
#1	100620.	13942.	2322.9	6808.9
#2	100850.	13975.	2313.2	6787.9

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/20/2014 11:15:59 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.058**	**2.032**	**2.039**	**2.055**	**1.984**	**2.020**	**2.050**	**.2394**
Stddev	.003	.002	.005	.007	.001	.004	.001	.007	.0001
%RSD	.1241	.1118	.2580	.3260	.0489	.2014	.0349	.3408	.0226
#1	2.036	2.057	2.029	2.035	2.054	1.982	2.020	2.045	.2395
#2	2.032	2.060	2.036	2.044	2.055	1.987	2.021	2.055	.2394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**2.080**	**2.015**	**2.097**	**2.051**	**2.015**	**2.028**	**40.65**	**41.30**
Stddev	.003	.005	.003	.004	.006	.008	.003	.03	.05
%RSD	.1477	.2304	.1258	.2039	.2728	.3996	.1525	.0840	.1226
#1	1.991	2.076	2.013	2.094	2.047	2.009	2.025	40.62	41.26
#2	1.995	2.083	2.016	2.100	2.055	2.021	2.030	40.67	41.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.50**	**41.22**	**39.99**	**40.62**	**2.039**	**2.065**	**1.955**	**4.952**	**2.063**
Stddev	.04	.05	.00	.02	.004	.004	.002	.005	.002
%RSD	.1001	.1238	.0038	.0414	.2217	.1747	.1004	.1023	.1174
#1	39.47	41.18	39.99	40.61	2.036	2.062	1.954	4.948	2.061
#2	39.53	41.25	39.99	40.64	2.042	2.067	1.956	4.956	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: ccvconf Acquired: 6/20/2014 11:15:59 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.090**	**1.981**	**2.050**	**2.021**	**1.968**	**1.997**	**1.985**
Stddev	.001	.003	.015	.001	.001	.005	.001
%RSD	.0319	.1501	.7098	.0588	.0429	.2716	.0671
#1	2.090	1.979	2.040	2.020	1.967	1.993	1.984
#2	2.089	1.984	2.060	2.022	1.968	2.001	1.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106040.**	**13998.**	**2386.5**	**7067.3**
Stddev	77.	52.	1.7	14.7
%RSD	.07251	.36866	.07165	.20752
#1	105990.	14035.	2387.7	7077.6
#2	106100.	13962.	2385.3	7056.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/20/2014 11:22:01 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0000**	**.0000**	**-.0002**	**.0001**	**.0001**	**.0002**
Stddev	.0000	.0000	.0000	.0000	.0004	.0003	.0000	.0001	.0000
%RSD	11.22	23.63	27.71	49.06	763.0	125.0	7.510	144.2	4.747
#1	.0004	.0002	.0001	.0000	-.0002	-.0004	.0001	.0001	.0002
#2	.0003	.0001	.0001	.0001	.0003	.0000	.0001	.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0018**	**.0012**	**-.0001**	**-.0036**	**.0010**	**-.0013**	**.0037**
Stddev	.0002	.0002	.0001	.0004	.0003	.0004	.0001	.0128	.0041
%RSD	45.91	145.7	7.919	33.74	241.8	10.08	7.679	1017.	112.4
#1	.0007	.0002	.0019	.0009	-.0003	-.0033	.0009	.0078	.0066
#2	.0003	.0000	.0017	.0014	.0001	-.0038	.0010	-.0103	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**-.0066**	**.0036**	**.0180**	**.0024**	F **.0040**	**.0016**	**.0008**	**-.0006**
Stddev	.0030	.0247	.0125	.0057	.0005	.0005	.0009	.0003	.0008
%RSD	85.62	375.8	350.5	31.46	20.12	13.00	55.55	44.10	143.2
#1	.0055	.0109	.0124	.0220	.0027	.0044	.0022	.0010	-.0011
#2	.0014	-.0240	-.0053	.0140	.0020	.0037	.0010	.0005	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/20/2014 11:22:01 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0006**	F **.0556**	F **.0021**	**.0018**	**.0007**	**-.0007**
Stddev	.0001	.0001	.0023	.0001	.0000	.0002	.0001
%RSD	24.80	17.71	4.049	4.897	.8444	30.66	15.93
#1	.0004	.0005	.0572	.0021	.0019	.0006	-.0006
#2	.0003	.0007	.0540	.0020	.0018	.0009	-.0008
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111240.**	**13981.**	**2465.2**	**7699.7**
Stddev	211.	55.	8.8	20.3
%RSD	.18933	.39337	.35833	.26399
#1	111090.	14020.	2471.5	7714.1
#2	111390.	13943.	2459.0	7685.3

Zoom In Zoom Out

Sample Name: icv Acquired: 6/20/2014 11:30:00 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.076**	**2.049**	**2.052**	**2.063**	**2.001**	**2.047**	**2.067**	**.2435**
Stddev	.001	.001	.003	.002	.002	.004	.005	.003	.0003
%RSD	.0639	.0491	.1581	.0972	.1055	.1948	.2296	.1338	.1214
#1	2.046	2.077	2.046	2.050	2.062	2.000	2.047	2.064	.2434
#2	2.045	2.075	2.048	2.053	2.060	1.999	2.042	2.067	.2432
#3	2.047	2.077	2.052	2.054	2.065	2.006	2.051	2.070	.2438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**2.094**	**2.034**	F **2.164**	**2.063**	**2.034**	**2.032**	**40.63**	**41.29**
Stddev	.003	.009	.002	.011	.004	.006	.001	.02	.03
%RSD	.1393	.4163	.1181	.5091	.2107	.3130	.0691	.0533	.0828
#1	2.012	2.089	2.032	2.152	2.059	2.028	2.032	40.62	41.33
#2	2.007	2.104	2.036	2.174	2.068	2.041	2.034	40.61	41.29
#3	2.012	2.089	2.033	2.166	2.063	2.032	2.031	40.65	41.26
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	**39.86**	**41.26**	**40.29**	**40.76**	**2.051**	**2.077**	**1.980**	**4.962**	**2.091**
Stddev	.05	.13	.01	.04	.006	.004	.004	.007	.004
%RSD	.1201	.3261	.0349	.1056	.3192	.1952	.1806	.1342	.1846
#1	39.91	41.39	40.29	40.80	2.044	2.073	1.979	4.954	2.087
#2	39.82	41.25	40.28	40.71	2.052	2.080	1.977	4.966	2.094
#3	39.85	41.13	40.31	40.77	2.057	2.080	1.984	4.966	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/20/2014 11:30:00 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.092**	**2.010**	**2.051**	**2.028**	**2.010**	**2.002**	**2.001**
Stddev	.002	.005	.022	.001	.014	.003	.003
%RSD	.0747	.2611	1.057	.0530	.6791	.1598	.1309
#1	2.091	2.011	2.031	2.029	2.002	1.999	1.998
#2	2.092	2.004	2.050	2.029	2.026	2.003	2.002
#3	2.094	2.015	2.074	2.027	2.002	2.005	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	**104880.**	**13904.**	**2376.9**	**7028.9**
Stddev	237.	69.	7.7	21.5
%RSD	.22572	.49681	.32492	.30621
#1	104780.	13829.	2380.6	7039.9
#2	105150.	13919.	2382.0	7042.8
#3	104710.	13965.	2368.0	7004.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/20/2014 11:50:20 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0001**	**.0000**	**-.0002**	**.0000**	**.0001**	**.0002**	**.0000**
Stddev	.0001	.0001	.0001	.0000	.0003	.0002	.0000	.0001	.0002
%RSD	159.7	142.4	79.28	89.64	130.5	808.0	49.57	33.57	1466.
#1	.0001	.0000	.0002	.0000	.0000	-.0001	.0001	.0002	-.0002
#2	.0000	.0001	.0001	.0000	-.0005	.0002	.0000	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0005**	**.0008**	**-.0006**	**-.0024**	**.0003**	**.0047**	**-.0007**
Stddev	.0001	.0001	.0007	.0000	.0003	.0002	.0007	.0020	.0035
%RSD	45.11	95.17	130.7	.1054	53.29	6.804	217.3	43.09	535.0
#1	.0001	-.0001	.0000	.0008	-.0004	-.0025	-.0002	.0062	-.0032
#2	.0003	.0000	.0010	.0008	-.0008	-.0023	.0008	.0033	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**-.0090**	**-.0087**	**.0142**	**.0019**	**.0020**	**.0009**	**-.0004**	**-.0004**
Stddev	.0019	.0081	.0246	.0041	.0002	.0001	.0007	.0004	.0002
%RSD	77.92	90.04	281.8	28.62	12.63	4.943	87.12	100.1	41.54
#1	-.0011	-.0146	-.0261	.0113	.0017	.0020	.0014	-.0007	-.0005
#2	-.0038	-.0033	.0086	.0171	.0020	.0019	.0003	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/20/2014 11:50:20 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	F **.0379**	F **.0014**	**.0004**	**.0000**	**-.0010**
Stddev	.0001	.0003	.0010	.0000	.0008	.001	.0005
%RSD	52.76	167.3	2.547	1.771	185.9	13950.	49.61
#1	.0001	.0004	.0386	.0015	.0010	-.0005	-.0013
#2	.0002	.0000	.0372	.0014	-.0001	.0005	-.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	**109100.**	**14012.**	**2466.1**	**7663.4**
Stddev	339.	20.	4.3	12.1
%RSD	.31075	.13938	.17438	.15810
#1	108860.	13998.	2469.2	7672.0
#2	109340.	14025.	2463.1	7654.9

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/20/2014 12:00:10 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.063**	**2.081**	**2.059**	**2.062**	**2.075**	**2.008**	**2.053**	**2.080**	**.2430**
Stddev	.001	.005	.006	.006	.006	.004	.010	.007	.0011
%RSD	.0595	.2357	.3127	.3162	.2919	.2094	.4791	.3428	.4671
#1	2.064	2.076	2.055	2.057	2.076	2.003	2.049	2.074	.2422
#2	2.063	2.079	2.059	2.062	2.069	2.007	2.043	2.080	.2420
#3	2.061	2.084	2.053	2.058	2.074	2.013	2.054	2.075	.2433
#4	2.063	2.087	2.068	2.071	2.083	2.011	2.066	2.090	.2444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	F **2.101**	**2.045**	F **2.157**	**2.079**	**2.039**	**2.045**	**40.96**	**41.49**
Stddev	.006	.005	.009	.010	.006	.005	.005	.06	.11
%RSD	.2859	.2583	.4429	.4495	.2894	.2675	.2496	.1488	.2736
#1	2.013	2.100	2.039	2.151	2.076	2.037	2.044	40.94	41.38
#2	2.009	2.099	2.045	2.160	2.077	2.043	2.043	40.90	41.44
#3	2.015	2.096	2.038	2.147	2.074	2.032	2.041	40.96	41.49
#4	2.023	2.109	2.058	2.169	2.088	2.043	2.052	41.04	41.65
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		5.000%		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	**40.00**	**41.45**	**40.35**	**41.01**	**2.062**	**2.086**	**1.984**	**4.996**	**2.099**
Stddev	.08	.16	.10	.06	.009	.006	.009	.016	.009
%RSD	.1905	.3938	.2497	.1551	.4224	.2788	.4296	.3242	.4142
#1	39.91	41.32	40.24	40.98	2.054	2.085	1.976	4.997	2.090
#2	40.05	41.34	40.37	40.98	2.060	2.086	1.978	4.994	2.097
#3	39.96	41.47	40.33	40.99	2.059	2.081	1.990	4.976	2.099
#4	40.07	41.67	40.48	41.11	2.074	2.095	1.993	5.015	2.111
Check ?	Chk Pass	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: 6/20/2014 12:00:10 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **2.111**	**2.016**	**2.088**	**2.039**	**2.007**	**2.013**	**2.014**
Stddev	.003	.009	.026	.001	.009	.006	.001
%RSD	.1235	.4427	1.234	.0305	.4487	.3104	.0557
#1	2.112	2.011	2.059	2.039	2.007	2.014	2.014
#2	2.109	2.007	2.080	2.039	2.011	2.012	2.015
#3	2.110	2.018	2.091	2.039	1.995	2.005	2.012
#4	2.115	2.027	2.120	2.038	2.016	2.020	2.014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000						
Range	5.000%						

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104460.**	**13920.**	**2365.3**	**6990.8**
Stddev	612.	109.	5.6	18.7
%RSD	.58586	.78576	.23884	.26720
#1	104800.	14042.	2366.3	7002.4
#2	104990.	13942.	2366.5	6994.7
#3	104450.	13918.	2370.9	7002.8
#4	103610.	13777.	2357.4	6963.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 12:11:39 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0002**	**-.0001**	**.0001**	**.0001**	**.0003**	**.0002**
Stddev	.0001	.0000	.0000	.0000	.0004	.0002	.0000	.0001
%RSD	21.06	19.22	11.69	44.40	276.2	215.8	.9242	37.05
#1	.0004	.0002	.0002	-.0001	.0004	.0002	.0003	.0001
#2	.0003	.0002	.0002	-.0001	-.0001	.0000	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0004**	**.0002**	**.0016**	**.0004**	**-.0005**	F **-.0049**	**.0006**
Stddev	.0000	.0000	.0001	.0004	.0002	.0005	.0014	.0002
%RSD	13.02	.4964	27.19	25.20	55.27	98.46	29.15	39.29
#1	-.0003	.0004	.0002	.0019	.0006	-.0001	-.0039	.0004
#2	-.0003	.0004	.0003	.0013	.0002	-.0008	-.0059	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0048	
Low Limit							-.0048	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0095**	**.0051**	**.0040**	**-.0070**	**.0347**	**.0172**	**.0030**	F **.0041**
Stddev	.0046	.0021	.0009	.0105	.0273	.0035	.0003	.0003
%RSD	48.58	40.92	22.97	149.5	78.71	20.58	9.523	7.219
#1	.0127	.0036	.0047	-.0144	.0540	.0198	.0028	.0043
#2	.0062	.0065	.0034	.0004	.0154	.0147	.0032	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0020
Low Limit								-.0020

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 12:11:39 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0006**	**.0001**	**.0004**	**.0008**	F **.0655**	F **.0026**	**.0005**
Stddev	.0004	.0004	.0000	.0001	.0002	.0026	.0001	.0001
%RSD	39.83	61.43	33.61	25.38	19.99	3.991	3.557	13.67
#1	.0012	.0003	.0001	.0004	.0010	.0674	.0027	.0005
#2	.0007	.0008	.0001	.0003	.0007	.0637	.0025	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0123	.0010	
Low Limit						-.0123	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0001**	**-.0003**
Stddev	.0001	.0004
%RSD	229.6	154.6
#1	.0000	-.0005
#2	.0001	.0000
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110350.**	**13994.**	**2470.4**	**7662.8**
Stddev	115.	43.	16.1	62.4
%RSD	.10390	.30985	.65042	.81481
#1	110430.	13963.	2481.7	7707.0
#2	110270.	14025.	2459.0	7618.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 12:19:26 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2057**	**.0022**	**.0030**	**.0508**	**.0106**	**.0097**	**.0159**	**.0102**	**.0050**
Stddev	.0005	.0000	.0004	.0004	.0001	.0003	.0000	.0004	.0002
%RSD	.2341	2.257	12.79	.6993	1.405	3.578	.2049	3.605	4.307
#1	.2060	.0022	.0032	.0506	.0104	.0099	.0159	.0104	.0049
#2	.2054	.0022	.0027	.0511	.0107	.0095	.0159	.0099	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0533**	**.0237**	**.0094**	**.0100**	**.0023**	**.0078**	**.0065**	**.2049**	**5.002**
Stddev	.0002	.0001	.0006	.0003	.0006	.0004	.0027	.0051	.005
%RSD	.3173	.2600	6.859	2.915	25.54	5.458	41.26	2.497	.1074
#1	.0532	.0238	.0090	.0102	.0018	.0081	.0046	.2086	4.999
#2	.0534	.0237	.0099	.0098	.0027	.0075	.0084	.2013	5.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1028**	**5.105**	**5.014**	**5.094**	**.1042**	**.0233**	**.0567**	**.2068**	**.0100**
Stddev	.0017	.064	.002	.000	.0006	.0001	.0001	.0013	.0006
%RSD	1.632	1.259	.0318	.0061	.5755	.3309	.1455	.6513	5.780
#1	.1016	5.060	5.013	5.094	.1037	.0232	.0568	.2059	.0096
#2	.1040	5.151	5.015	5.094	.1046	.0233	.0567	.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: 6/20/2014 12:19:26 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0107**	F **.0964**	F **.0134**	**.0495**	**.0210**	**.0201**
Stddev	.0000	.0001	.0011	.0002	.0002	.0005	.0016
%RSD	.2569	.6782	1.177	1.142	.4660	2.411	8.131
#1	.0106	.0106	.0972	.0135	.0493	.0214	.0189
#2	.0106	.0107	.0956	.0133	.0497	.0206	.0212
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	**109520.**	**14063.**	**2467.4**	**7615.3**
Stddev	3.	7.	2.5	8.0
%RSD	.00261	.05052	.09941	.10565
#1	109520.	14068.	2469.1	7609.6
#2	109510.	14058.	2465.7	7621.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 12:25:38 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0012**	**.0031**	**.0022**	F **.0011**	**.0030**	**.0045**	**.0010**
Stddev	.0002	.0000	.0000	.0000	.0002	.0003	.0000	.0001	.0001
%RSD	4.691	3.241	2.398	1.538	9.752	25.16	.2767	2.661	13.10
#1	.0041	.0011	.0011	.0030	.0023	.0012	.0030	.0044	.0009
#2	.0043	.0010	.0012	.0031	.0020	.0009	.0030	.0046	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0020			
Range						-30.00%			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0119**	**.0037**	**.0017**	**.0020**	**.0060**	F **.0039**	**.1094**	**1.086**
Stddev	.0002	.0002	.0002	.0006	.0008	.0010	.0004	.0010	.014
%RSD	6.645	1.871	6.588	33.30	40.82	17.33	10.64	.8938	1.263
#1	.0024	.0117	.0035	.0021	.0026	.0052	.0042	.1101	1.096
#2	.0022	.0120	.0038	.0013	.0014	.0067	.0037	.1087	1.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0030		
Range							30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**.1208**	**2.064**	**1.074**	**.0108**	**.0013**	**.0009**	**-.0015**	**.0002**
Stddev	.0018	.0093	.008	.005	.0003	.0001	.0007	.0003	.0005
%RSD	82.89	7.657	.3825	.4917	2.698	7.789	80.99	20.39	243.7
#1	-.0009	.1143	2.070	1.077	.0106	.0013	.0004	-.0017	.0006
#2	-.0035	.1274	2.059	1.070	.0110	.0012	.0014	-.0013	-.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: 6/20/2014 12:25:38 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0233**	**.0007**	**.0020**	**-.0004**	**-.0002**
Stddev	.0001	.000	.0003	.0000	.0024	.0002	.0003
%RSD	210.0	375.3	1.280	2.884	121.2	44.91	171.3
#1	.0001	-.0002	.0231	.0007	.0037	-.0005	-.0004
#2	.0000	.0001	.0235	.0007	.0003	-.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	**113690.**	**13834.**	**2487.5**	**7749.8**
Stddev	317.	97.	2.9	18.6
%RSD	.27911	.69998	.11503	.23941
#1	113920.	13765.	2489.5	7762.9
#2	113470.	13902.	2485.5	7736.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 12:31:56 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0000**	**.0002**	**-.0002**	**.0000**	**.0000**	**.0000**	**-.0001**
Stddev	.0001	.0000	.000	.0001	.0002	.0001	.000	.0001	.0003
%RSD	107.2	.5442	46.38	36.48	72.38	331.9	37.89	561.5	177.3
#1	.0000	-.0001	.0000	.0003	-.0001	.0000	-.0001	-.0001	-.0003
#2	.0001	-.0001	.0000	.0002	-.0003	.0001	.0000	.0001	.0000
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0204**	**.0004**	**.0204**	**.0213**	**.0214**	**.5048**	**-.0013**
Stddev	.0002	.000	.0005	.0001	.0007	.0015	.0005	.0064	.0012
%RSD	79.58	23.88	2.578	26.77	3.408	7.108	2.566	1.277	91.00
#1	.0001	.0000	.0201	.0003	.0199	.0202	.0218	.5094	-.0022
#2	.0003	.0000	.0208	.0005	.0209	.0224	.0210	.5002	-.0005
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5256**	**-.0037**	**-.0133**	**.0042**	**.0000**	**.0010**	**.0010**	**-.0017**	**-.0004**
Stddev	.0027	.0002	.0188	.0024	.0001	.0001	.0005	.0017	.0001
%RSD	.5120	5.928	141.7	56.47	405.7	5.564	53.85	96.17	22.69
#1	.5275	-.0039	-.0266	.0059	.0001	.0010	.0006	-.0029	-.0004
#2	.5237	-.0036	.0000	.0026	-.0001	.0009	.0013	-.0006	-.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 12:31:56 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0182**	**.0007**	**.0009**	**-.0001**	**.0001**
Stddev	.0001	.0000	.0006	.0001	.0002	.0007	.0008
%RSD	130.7	69.84	3.232	16.54	24.38	887.8	1034.
#1	.0001	.0000	.0186	.0006	.0008	-.0006	-.0005
#2	.0000	.0001	.0178	.0008	.0011	.0004	.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107390.**	**13908.**	**2455.6**	**7605.4**
Stddev	196.	34.	4.4	6.7
%RSD	.18271	.24388	.17880	.08790
#1	107250.	13932.	2458.7	7610.2
#2	107530.	13884.	2452.5	7600.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 12:38:14 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0012**	**.0031**	**.0020**	**.0020**	**.0032**	**.0046**	**.0011**
Stddev	.0001	.0000	.0001	.0002	.0001	.0003	.0000	.0001	.0001
%RSD	2.754	.1306	7.617	7.269	5.281	16.74	.2208	1.659	5.970
#1	.0041	.0010	.0012	.0029	.0021	.0022	.0032	.0046	.0010
#2	.0042	.0010	.0011	.0033	.0019	.0018	.0032	.0047	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**.0120**	**.0035**	**.0018**	**.0022**	F **.0066**	**.0033**	**.1004**	**1.030**
Stddev	.0001	.0003	.0005	.0005	.0012	.0019	.0001	.0083	.005
%RSD	2.577	2.478	13.98	28.69	53.33	29.07	1.785	8.307	.4634
#1	.0020	.0118	.0032	.0014	.0031	.0052	.0033	.0945	1.026
#2	.0021	.0122	.0039	.0021	.0014	.0080	.0032	.1063	1.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0050			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0044**	**.0918**	**2.065**	**1.034**	**.0106**	**.0005**	**.0008**	**-.0029**	**-.0002**
Stddev	.0029	.0017	.005	.006	.0004	.0002	.0011	.0001	.0001
%RSD	67.18	1.882	.2433	.6040	3.576	34.96	139.0	4.349	82.73
#1	-.0065	.0905	2.062	1.029	.0108	.0006	.0015	-.0030	-.0001
#2	-.0023	.0930	2.069	1.038	.0103	.0004	.0000	-.0029	-.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 12:38:14 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0107**	**.0004**	**-.0006**	**-.0003**	**-.0010**
Stddev	.000	.0002	.0005	.0001	.0015	.0005	.0003
%RSD	137.4	294.8	4.394	14.61	230.5	169.7	24.28
#1	.0000	.0001	.0110	.0004	.0004	-.0006	-.0009
#2	.0000	-.0002	.0103	.0003	-.0017	.0001	-.0012
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**108780.**	**13899.**	**2472.7**	**7656.0**
Stddev	2.	45.	2.2	.3
%RSD	.00206	.32053	.08855	.00437
#1	108780.	13930.	2474.2	7656.3
#2	108780.	13867.	2471.1	7655.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 12:44:33 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0001**	**.0000**	**.0005**	**-.0004**	**-.0053**	**-.0001**	**.0003**	**.0017**
Stddev	.0000	.0001	.0004	.0001	.0003	.0005	.0001	.0002	.0006
%RSD	1.993	63.92	1496.	28.28	88.41	10.25	95.35	79.15	36.26
#1	-.0010	-.0001	-.0003	.0006	-.0001	-.0049	-.0002	.0001	.0012
#2	-.0010	.0000	.0003	.0004	-.0006	-.0057	.0000	.0004	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0021**	**.0029**	**.0005**	**.0015**	**-.0073**	**.0010**	**509.7**	**382.1**
Stddev	.0002	.0003	.0013	.0005	.0026	.0063	.0006	3.4	4.3
%RSD	16.81	13.22	45.37	95.43	172.1	86.00	53.77	.6658	1.124
#1	-.0013	-.0023	.0039	.0002	.0034	-.0117	.0014	512.1	385.1
#2	-.0016	-.0019	.0020	.0008	-.0003	-.0029	.0006	507.3	379.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**183.9**	**536.7**	**.0067**	**-.0014**	**-.0153**	**.0087**	**-.0140**	**-.0059**	**.0086**
Stddev	.0	2.0	.0133	.0104	.0002	.0004	.0003	.0016	.0008
%RSD	.0174	.3762	199.9	722.1	1.591	4.279	2.145	27.16	8.764
#1	183.9	538.1	-.0028	-.0088	-.0151	.0090	-.0138	-.0048	.0081
#2	183.9	535.3	.0161	.0059	-.0155	.0085	-.0142	-.0070	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 12:44:33 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0025**	**.0309**	F **.0246**	**-.0125**	**.0030**	**.0040**
Stddev	.0001	.0003	.0008	.0002	.0025	.0002	.0021
%RSD	7.296	12.08	2.505	.7571	19.58	6.925	51.97
#1	-.0010	.0027	.0304	.0244	-.0108	.0032	.0055
#2	-.0009	.0023	.0315	.0247	-.0143	.0029	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95238.**	**13534.**	**2197.2**	**6293.5**
Stddev	237.	64.	3.7	13.6
%RSD	.24853	.47628	.16791	.21612
#1	95405.	13488.	2199.8	6303.1
#2	95071.	13580.	2194.6	6283.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 12:50:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5017**	**.4993**	**1.037**	**.4872**	**.4823**	**.5168**	**.4975**	**.9821**	**1.036**
Stddev	.0002	.0003	.009	.0040	.0017	.0005	.0008	.0071	.001
%RSD	.0324	.0610	.9185	.8155	.3548	.0948	.1568	.7269	.0452
#1	.5016	.4995	1.030	.4844	.4835	.5165	.4980	.9770	1.036
#2	.5019	.4991	1.044	.4900	.4810	.5172	.4969	.9871	1.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4833**	**.9717**	**1.099**	**.9796**	**.9722**	**1.093**	**1.061**	**498.7**	**371.7**
Stddev	.0003	.0077	.006	.0072	.0044	.006	.010	.4	1.3
%RSD	.0560	.7884	.5834	.7360	.4500	.5694	.9065	.0760	.3520
#1	.4835	.9663	1.094	.9745	.9691	1.088	1.054	498.5	372.7
#2	.4831	.9771	1.103	.9847	.9753	1.097	1.067	499.0	370.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**185.2**	**533.5**	**-.0365**	**-.0009**	**-.0129**	**.5196**	**.5328**	**-.0063**	**.0081**
Stddev	.1	.5	.0088	.0004	.0008	.0041	.0003	.0034	.0008
%RSD	.0393	.0968	24.15	37.34	6.416	.7875	.0483	53.87	9.396
#1	185.3	533.8	-.0427	-.0012	-.0135	.5167	.5330	-.0087	.0075
#2	185.2	533.1	-.0302	-.0007	-.0123	.5225	.5326	-.0039	.0086
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 12:50:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0060**	F **.6382**	**.5524**	**.4890**	**.5574**	**.5362**
Stddev	.0000	.0001	.0107	.0030	.0008	.0040	.0004
%RSD	4.676	1.245	1.678	.5403	.1534	.7123	.0680
#1	-.0008	.0060	.6306	.5503	.4885	.5546	.5365
#2	-.0009	.0061	.6457	.5545	.4895	.5602	.5360
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	**96414.**	**13555.**	**2184.0**	**6281.1**
Stddev	174.	46.	17.4	43.0
%RSD	.18085	.34201	.79572	.68398
#1	96291.	13522.	2196.3	6311.5
#2	96538.	13587.	2171.7	6250.8

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/20/2014 12:57:15 Type: Unk
Method: Accutest1(v181) Mode: CONC 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**	**-.0009**	**-.0008**	**-.0005**	**-.0076**	**.0016**	**-.0002**	**.0047**
Stddev	.0001	.000	.0001	.0000	.0000	.0001	.0000	.0004	.0000
%RSD	164.5	86.99	7.771	2.417	4.411	.9056	.5882	174.7	.0193
#1	.0001	.0000	-.0010	-.0007	-.0005	-.0076	.0016	.0001	.0047
#2	.0000	.0000	-.0009	-.0008	-.0005	-.0077	.0016	-.0005	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0010**	**.0052**	**-.0008**	**-.0003**	**-.0014**	**.0003**	**.0039**	**.0962**	**.0776**
Stddev	.0002	.0001	.0001	.0000	.0007	.0021	.0008	.0044	.0036
%RSD	23.51	1.111	14.02	15.69	50.51	646.2	21.22	4.579	4.634
#1	-.0008	.0052	-.0008	-.0002	-.0009	.0018	.0045	.0931	.0751
#2	-.0012	.0051	-.0009	-.0003	-.0019	-.0011	.0033	.0993	.0802

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**202.6**	**.1054**	**-.0370**	**.0011**	**-.0032**	**.0003**	**.0010**	**.0072**	**.0001**
Stddev	1.6	.0327	.0218	.0016	.0004	.0002	.0010	.0004	.0003
%RSD	.7728	31.02	58.83	145.8	10.93	81.69	101.7	5.203	318.6
#1	203.7	.1285	-.0216	.0000	-.0030	.0004	.0017	.0075	.0003
#2	201.5	.0823	-.0524	.0022	-.0035	.0001	.0003	.0070	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**.0144**	**.0185**	**-.0026**	**.0067**	**-.0012**
Stddev	.0001	.0000	.0007	.0004	.0014	.0011	.0008
%RSD	922.2	3.349	5.040	2.307	52.25	17.24	65.06
#1	.0000	-.0002	.0149	.0188	-.0016	.0075	-.0006
#2	.0001	-.0001	.0139	.0182	-.0036	.0058	-.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108280.**	**13747.**	**2441.2**	**7694.4**
Stddev	171.	20.	6.7	7.9
%RSD	.15833	.14785	.27312	.10264
#1	108400.	13733.	2445.9	7700.0
#2	108150.	13762.	2436.5	7688.8

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/20/2014 13:03:31 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0001**	**.0003**	**-.0013**	**12.35**	**.0002**	**-.0014**	**.0005**	**.0002**
Stddev	.0004	.0001	.0001	.0001	.02	.0003	.0000	.0002	.0003
%RSD	76.85	71.33	17.56	11.39	.1289	137.4	2.988	33.48	167.5
#1	.0007	.0001	.0003	-.0012	12.36	.0000	-.0014	.0003	.0004
#2	.0002	.0000	.0002	-.0014	12.34	.0004	-.0014	.0006	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0054**	**.0024**	**-.0028**	**.0001**	**.0008**	**.0017**	**.0060**	**.0095**	**.0317**
Stddev	.0002	.0002	.0005	.0001	.0000	.0006	.0008	.0072	.0085
%RSD	2.883	7.531	18.00	48.50	.8300	36.08	13.87	75.52	26.64
#1	-.0055	.0026	-.0025	.0002	.0008	.0021	.0054	.0146	.0377
#2	-.0053	.0023	-.0032	.0001	.0008	.0013	.0066	.0044	.0257

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0142**	**.0040**	**-.0145**	**-.0023**	**-.0005**	**.0008**	**.0008**	**.0127**	**-.0020**
Stddev	.0029	.0108	.0296	.0016	.0003	.0001	.0004	.0007	.0004
%RSD	20.58	267.6	204.4	69.35	69.87	16.67	48.22	5.297	18.50
#1	.0162	.0117	.0065	-.0034	-.0002	.0007	.0011	.0132	-.0017
#2	.0121	-.0036	-.0354	-.0012	-.0007	.0009	.0006	.0122	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**-.0010**	**.0006**	**.0023**	**.0155**	**-.0003**
Stddev	.0000	.0000	.0002	.0000	.0006	.0000	.0006
%RSD	96.77	7.292	16.05	5.958	27.35	.3054	212.4
#1	.0001	-.0003	-.0012	.0006	.0018	.0155	-.0008
#2	.0000	-.0003	-.0009	.0005	.0027	.0156	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109030.**	**13780.**	**2404.1**	**7625.0**
Stddev	269.	103.	2.6	10.3
%RSD	.24685	.74899	.10927	.13544
#1	108840.	13707.	2406.0	7632.3
#2	109220.	13853.	2402.3	7617.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 13:09:49 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.076**	**2.047**	**2.052**	**2.076**	**1.993**	**2.066**	**2.074**	**.2436**
Stddev	.003	.004	.001	.004	.009	.005	.003	.000	.0003
%RSD	.1431	.1772	.0708	.1865	.4296	.2712	.1315	.0081	.1212
#1	2.056	2.073	2.046	2.049	2.070	1.997	2.064	2.074	.2434
#2	2.060	2.079	2.048	2.055	2.082	1.989	2.068	2.074	.2438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.099**	**2.030**	**2.123**	**2.082**	**2.025**	**2.032**	**40.51**	**41.14**
Stddev	.003	.002	.003	.014	.002	.003	.004	.20	.30
%RSD	.1591	.1002	.1295	.6565	.0877	.1247	.1714	.4884	.7274
#1	2.007	2.097	2.028	2.113	2.083	2.024	2.030	40.37	40.93
#2	2.012	2.100	2.032	2.132	2.080	2.027	2.035	40.65	41.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.22**	**41.33**	**40.32**	**40.88**	**2.041**	**2.066**	**1.984**	**4.967**	**2.086**
Stddev	.04	.42	.09	.16	.003	.007	.006	.009	.002
%RSD	.0977	1.008	.2316	.3880	.1574	.3348	.2806	.1785	.0737
#1	40.19	41.03	40.25	40.77	2.039	2.061	1.988	4.960	2.085
#2	40.24	41.62	40.39	40.99	2.043	2.071	1.980	4.973	2.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 13:09:49 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.091**	**2.020**	**1.977**	**2.028**	**1.978**	**2.000**	**2.010**
Stddev	.007	.002	.018	.001	.009	.006	.002
%RSD	.3237	.0860	.8880	.0628	.4725	.2926	.1027
#1	2.086	2.019	1.964	2.028	1.971	1.996	2.009
#2	2.095	2.021	1.989	2.029	1.984	2.004	2.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104520.**	**13722.**	**2383.9**	**7038.4**
Stddev	324.	94.	2.4	5.4
%RSD	.31000	.68665	.10241	.07702
#1	104750.	13789.	2385.6	7042.2
#2	104290.	13655.	2382.1	7034.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 13:15:53 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0002**	**.0001**	**.0002**	**-.0002**	**.0001**	**.0001**	**-.0001**
Stddev	.0001	.000	.0002	.0001	.0000	.0001	.0001	.0002	.0001
%RSD	93.57	131.1	83.01	195.1	19.57	74.73	125.4	218.2	207.5
#1	.0000	.0000	.0003	.0002	.0002	-.0003	.0000	.0003	-.0001
#2	.0001	.0000	.0001	.0000	.0001	-.0001	.0002	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0018**	**-.0002**	**.0001**	**-.0010**	**.0016**	**-.0028**	**-.0014**
Stddev	.0001	.0003	.0005	.0005	.0004	.0003	.0009	.0018	.0025
%RSD	36.80	317.7	25.35	334.4	320.0	28.72	57.00	62.01	170.5
#1	.0003	.0003	.0021	.0002	-.0002	-.0008	.0009	-.0016	-.0032
#2	.0002	-.0001	.0015	-.0005	.0004	-.0012	.0022	-.0041	.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	**-.0025**	**-.0276**	**.0048**	**.0037**	**.0023**	F **.0026**	**.0018**	**.0036**	**-.0004**
Stddev	.0035	.0095	.0002	.0005	.0006	.0007	.0002	.0011	.0011
%RSD	137.9	34.39	4.784	12.30	24.40	25.21	9.711	31.82	318.9
#1	-.0001	-.0209	.0049	.0034	.0027	.0031	.0019	.0044	.0005
#2	-.0050	-.0343	.0046	.0041	.0019	.0021	.0017	.0028	-.0012
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: 6/20/2014 13:15:53 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0244**	F **.0012**	**.0013**	**.0001**	**-.0009**
Stddev	.0001	.0003	.0020	.0001	.0016	.0004	.0011
%RSD	93.17	77.38	8.066	6.286	126.2	299.8	122.7
#1	.0001	.0002	.0258	.0012	.0024	.0004	-.0016
#2	.0000	.0006	.0230	.0013	.0001	-.0002	-.0001
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	**110280.**	**13800.**	**2481.9**	**7706.0**
Stddev	154.	11.	3.4	22.9
%RSD	.13967	.07674	.13589	.29689
#1	110390.	13808.	2484.3	7722.2
#2	110180.	13793.	2479.5	7689.8

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 6/20/2014 13:22:12 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2080**	**.0023**	**.0033**	**.0517**	**.0109**	**.0107**	**.0169**	**.0106**	**.0053**
Stddev	.0005	.0000	.0001	.0003	.0003	.0001	.0000	.0002	.0001
%RSD	.2214	.3586	3.154	.5030	2.414	1.094	.1158	2.244	2.318
#1	.2076	.0023	.0034	.0519	.0107	.0108	.0169	.0108	.0054
#2	.2083	.0023	.0032	.0516	.0111	.0106	.0169	.0104	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0547**	**.0244**	**.0095**	**.0095**	**.0029**	**.0099**	**.0071**	**.1950**	**4.920**
Stddev	.0001	.0001	.0002	.0004	.0005	.0017	.0009	.0019	.004
%RSD	.2441	.5870	1.601	4.220	16.47	17.51	13.07	.9744	.0924
#1	.0548	.0245	.0096	.0098	.0032	.0111	.0064	.1964	4.923
#2	.0546	.0243	.0094	.0092	.0025	.0086	.0077	.1937	4.917

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1076**	**5.032**	**5.036**	**5.050**	**.1057**	**.0226**	**.0614**	**.2106**	**.0117**
Stddev	.0016	.007	.012	.000	.0007	.0000	.0012	.0016	.0005
%RSD	1.461	.1305	.2346	.0026	.6638	.1877	1.982	.7547	4.215
#1	.1087	5.028	5.028	5.050	.1052	.0227	.0605	.2094	.0121
#2	.1064	5.037	5.044	5.050	.1062	.0226	.0622	.2117	.0114

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0105**	**.0116**	**.0734**	**.0135**	**.0502**	**.0205**	**.0210**
Stddev	.0001	.0002	.0008	.0000	.0009	.0003	.0004
%RSD	.9854	1.777	1.103	.3397	1.709	1.467	1.743
#1	.0104	.0114	.0740	.0135	.0508	.0203	.0207
#2	.0105	.0117	.0729	.0134	.0496	.0207	.0213

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104640.**	**13881.**	**2431.0**	**7471.0**
Stddev	36.	11.	3.4	6.6
%RSD	.03473	.07664	.13993	.08897
#1	104670.	13889.	2433.4	7466.3
#2	104610.	13874.	2428.5	7475.7

Zoom In Zoom Out

Sample Name: mp80152-mb1conf Acquired: 6/20/2014 13:28:23 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**.0000**	**-.0001**	**.0001**	**-.0011**	**.0000**	**.0002**	**.0003**
Stddev	.000	.0000	.000	.0002	.0004	.0003	.000	.0001	.0002
%RSD	328.6	14.27	1575.	192.5	397.3	25.29	46.04	42.60	58.62
#1	.0000	-.0001	.0001	-.0003	.0003	-.0009	.0000	.0001	.0002
#2	.0000	-.0001	-.0001	.0000	-.0002	-.0013	.0000	.0002	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0007**	**-.0003**	**.0005**	**.0001**	**.0010**	**.0009**	**-.0065**	**.0100**
Stddev	.0001	.0001	.0000	.0010	.0002	.0005	.0004	.0020	.0021
%RSD	24.78	13.01	.2953	224.0	149.6	51.31	48.55	30.43	21.46
#1	.0003	.0007	-.0003	-.0003	.0000	.0006	.0012	-.0080	.0115
#2	.0002	.0006	-.0003	.0012	.0003	.0013	.0006	-.0051	.0085

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0016**	**.0159**	**.0001**	**-.0084**	**.0017**	**.0006**	**.0017**	**.0223**	**-.0005**
Stddev	.0011	.0022	.0064	.0004	.0008	.0000	.0005	.0002	.0001
%RSD	69.78	14.13	5944.	4.216	46.50	5.669	26.04	.7276	18.68
#1	-.0024	.0175	-.0044	-.0082	.0022	.0006	.0014	.0224	-.0004
#2	-.0008	.0143	.0046	-.0087	.0011	.0007	.0021	.0222	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0096**	**.0009**	**.0034**	**-.0005**	**.0005**
Stddev	.000	.0001	.0014	.0001	.0017	.0002	.0003
%RSD	535.4	83.09	15.02	12.85	50.71	41.12	46.56
#1	-.0001	.0001	.0086	.0008	.0022	-.0007	.0007
#2	.0001	.0000	.0106	.0010	.0047	-.0004	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**115720.**	**13953.**	**2485.5**	**7798.7**
Stddev	360.	41.	2.6	11.8
%RSD	.31141	.29129	.10542	.15151
#1	115970.	13924.	2487.4	7807.1
#2	115460.	13982.	2483.7	7790.4

Zoom In Zoom Out

Sample Name: mp80152-sd1 2 Acquired: 6/20/2014 13:34:38 Type: Unk
Method: Accutest1(v181) 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	**.1460**	**-.0006**	**.0027**	**.0149**	**.0043**	**.0196**	**2.098**	**.0217**	**.0007**
Stddev	.0004	.0001	.0001	.0019	.0007	.0019	.000	.0018	.0004
%RSD	.2573	18.78	5.257	12.50	16.03	9.613	.0117	8.384	54.46
#1	.1458	-.0005	.0028	.0163	.0038	.0183	2.098	.0230	.0005
#2	.1463	-.0007	.0026	.0136	.0047	.0209	2.098	.0204	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0183**	**.0089**	**-.0012**	**.0053**	**.0192**	**.0025**	**-.0158**	**172.4**
Stddev	.0009	.0002	.0040	.0070	.0045	.0013	.0040	.0133	.5
%RSD	31.31	1.165	45.49	574.5	84.62	6.614	160.2	84.13	.2625
#1	.0022	.0185	.0117	-.0062	.0084	.0183	.0054	-.0064	172.7
#2	.0035	.0182	.0060	.0037	.0021	.0201	-.0003	-.0252	172.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2065**	**60.48**	**12.13**	**283.2**	**.5383**	**.0094**	**-.0031**	**8.180**	**.0076**
Stddev	.0009	.25	.01	.6	.0006	.0008	.0000	.004	.0003
%RSD	.4205	.4203	.0770	.2214	.1089	8.202	1.221	.0522	4.337
#1	.2071	60.66	12.13	283.7	.5387	.0100	-.0031	8.183	.0079
#2	.2059	60.30	12.12	282.8	.5378	.0089	-.0031	8.177	.0074

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4422**	**.0012**	**.1123**	**.0153**	**95.27**	**-.0002**	**.0011**
Stddev	.0002	.0006	.0087	.0001	.16	.0043	.0016
%RSD	.0446	47.67	7.708	.4650	.1697	1790.	146.4
#1	.4423	.0016	.1184	.0154	95.39	.0028	.0023
#2	.4421	.0008	.1062	.0153	95.16	-.0033	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104730.**	**13836.**	**2383.9**	**7153.7**
Stddev	117.	8.	1.0	3.5
%RSD	.11145	.05593	.04333	.04857
#1	104810.	13831.	2384.6	7156.2
#2	104650.	13842.	2383.2	7151.3

Zoom In Zoom Out

Sample Name: jb68948-1f Acquired: 6/20/2014 13:40:50 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0865**	**.0000**	**.0008**	**.0012**	**.0008**	**.0040**	**1.124**	**.0029**	**.0001**
Stddev	.0003	.0000	.0002	.0003	.0003	.0002	.003	.0002	.0003
%RSD	.2893	133.7	20.58	27.71	30.92	5.210	.2549	7.373	239.8
#1	.0867	.0001	.0010	.0010	.0006	.0042	1.126	.0028	-.0001
#2	.0863	.0000	.0007	.0014	.0010	.0039	1.122	.0031	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0065**	**.0017**	**.0006**	**.0021**	**.0038**	**.0000**	**.0142**	**129.6**
Stddev	.0000	.0002	.0001	.0013	.0008	.0002	.001	.0060	.0
%RSD	2.313	3.590	6.724	224.5	37.98	4.588	188200.	42.10	.0254
#1	.0015	.0063	.0018	-.0003	.0026	.0039	-.0005	.0099	129.6
#2	.0015	.0067	.0016	.0015	.0015	.0037	.0005	.0184	129.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0187**	**58.11**	**5.211**	**71.96**	**.1650**	**.0044**	**-.0037**	**8.428**	**.0032**
Stddev	.0016	.13	.017	.03	.0003	.0000	.0008	.010	.0007
%RSD	8.312	.2237	.3160	.0418	.1938	.1499	22.94	.1154	22.86
#1	.0176	58.02	5.223	71.98	.1652	.0044	-.0042	8.422	.0037
#2	.0198	58.20	5.200	71.94	.1648	.0044	-.0031	8.435	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4285**	**.0023**	**.0620**	**.0057**	**47.27**	**.0003**	**.0037**
Stddev	.0002	.0003	.0008	.0000	.04	.0003	.0009
%RSD	.0455	12.14	1.271	.6270	.0762	88.34	24.88
#1	.4286	.0021	.0625	.0057	47.25	.0006	.0030
#2	.4283	.0024	.0614	.0057	47.30	.0001	.0043

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102100.**	**13727.**	**2304.8**	**6850.0**
Stddev	195.	14.	.2	7.5
%RSD	.19119	.10267	.00908	.10928
#1	101970.	13737.	2304.9	6855.3
#2	102240.	13717.	2304.6	6844.7

Zoom In Zoom Out

Sample Name: jb69250-1 Acquired: 6/20/2014 13:47:02 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1194**	**.0003**	**.0007**	**.0008**	**.0039**	**.0027**	**.0892**	**.0027**	**-.0002**
Stddev	.0004	.0000	.0002	.0003	.0000	.0003	.0001	.0002	.0001
%RSD	.3322	10.29	30.17	30.21	.1489	9.552	.1521	8.532	40.20
#1	.1191	.0002	.0008	.0007	.0038	.0029	.0891	.0025	-.0001
#2	.1196	.0003	.0005	.0010	.0039	.0025	.0893	.0029	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0066**	**.0121**	**.0010**	**-.0042**	**.0052**	**.0066**	**.0005**	**1.828**	**50.46**
Stddev	.0001	.0002	.0000	.0006	.0002	.0002	.0006	.003	.24
%RSD	.9218	1.658	1.772	13.98	3.538	3.540	111.2	.1353	.4767
#1	.0067	.0123	.0010	-.0046	.0050	.0068	.0001	1.830	50.29
#2	.0066	.0120	.0010	-.0037	.0053	.0064	.0010	1.827	50.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.588**	**9.022**	**16.12**	**39.48**	**.1998**	**.0166**	**.0001**	**10.38**	**.0025**
Stddev	.001	.053	.12	.13	.0006	.0003	.0002	.03	.0000
%RSD	.0847	.5855	.7221	.3311	.3173	1.820	205.2	.2515	1.676
#1	1.587	8.984	16.03	39.39	.1993	.0164	.0002	10.36	.0025
#2	1.589	9.059	16.20	39.58	.2002	.0168	.0000	10.39	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2184**	**.0530**	**-.0103**	**.0021**	**15.02**	**.0001**	**.0105**
Stddev	.0009	.0004	.0010	.0000	.01	.0010	.0006
%RSD	.4048	.7683	9.840	.7252	.0621	1352.	5.855
#1	.2177	.0533	-.0096	.0021	15.02	-.0006	.0110
#2	.2190	.0527	-.0110	.0021	15.01	.0008	.0101

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107420.**	**14023.**	**2416.0**	**7254.1**
Stddev	221.	86.	3.6	6.8
%RSD	.20592	.61028	.15045	.09337
#1	107260.	14083.	2418.5	7258.9
#2	107580.	13962.	2413.4	7249.3

Zoom In Zoom Out

Sample Name: jb69250-5 Acquired: 6/20/2014 13:53:12 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2289**	**.0005**	**.0008**	**.0014**	**.0031**	**.0057**	**2.448**	**.0042**	**.0006**
Stddev	.0000	.0000	.0001	.0002	.0001	.0001	.010	.0003	.0000
%RSD	.0010	2.105	6.866	16.73	3.669	1.148	.4218	6.219	1.613
#1	.2289	.0005	.0008	.0013	.0032	.0057	2.456	.0040	.0007
#2	.2289	.0005	.0008	.0016	.0030	.0058	2.441	.0044	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0147**	**-.0001**	**-.0095**	**.0030**	**.0079**	**.0014**	**1.068**	**261.9**
Stddev	.0004	.0001	.0004	.0014	.0002	.0011	.0011	.004	.7
%RSD	6.969	.4833	361.8	14.33	5.196	13.62	73.27	.3330	.2852
#1	.0057	.0146	-.0004	-.0105	.0031	.0086	.0022	1.065	262.4
#2	.0051	.0147	.0002	-.0085	.0029	.0071	.0007	1.070	261.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.554**	**38.71**	**28.64**	**502.9**	**.2849**	**.0136**	**-.0075**	**12.11**	**.0026**
Stddev	.004	.21	.03	6.1	.0007	.0002	.0002	.01	.0007
%RSD	.2564	.5518	.1152	1.218	.2499	1.674	2.222	.1227	28.25
#1	1.551	38.86	28.62	507.2	.2844	.0138	-.0073	12.10	.0021
#2	1.557	38.56	28.66	498.5	.2854	.0135	-.0076	12.12	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.253**	**.0360**	**-.0138**	**.0062**	**62.95**	**.0003**	**.0312**
Stddev	.001	.0002	.0011	.0000	.18	.0013	.0012
%RSD	.0448	.5224	7.652	.3661	.2810	395.1	3.883
#1	1.252	.0361	-.0130	.0062	62.83	.0012	.0321
#2	1.253	.0358	-.0145	.0062	63.08	-.0006	.0304

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96675.**	**13664.**	**2194.6**	**6214.6**
Stddev	395.	148.	2.8	9.2
%RSD	.40843	1.0814	.12840	.14818
#1	96396.	13559.	2196.6	6221.1
#2	96954.	13768.	2192.6	6208.1

Zoom In Zoom Out

Sample Name: jb69285-4 Acquired: 6/20/2014 13:59:29 Type: Unk
Method: Accutest1(v181) 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	**.1022**	**.0019**	**.0010**	**.0067**	**.0126**	**.0284**	**.1698**	**.0410**	**.0002**
Stddev	.0003	.0000	.0003	.0005	.0001	.0001	.0001	.0003	.0004
%RSD	.3134	.9526	26.16	6.774	.4848	.3289	.0575	.6621	167.8
#1	.1024	.0019	.0011	.0070	.0127	.0284	.1697	.0412	.0005
#2	.1020	.0019	.0008	.0063	.0126	.0285	.1699	.0408	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0075**	**.1259**	**.0149**	**-.0057**	**.0084**	**.0081**	**.0057**	**3.370**	**835.9**
Stddev	.0002	.0002	.0003	.0029	.0001	.0019	.0003	.015	.5
%RSD	3.318	.1424	2.332	50.97	1.030	23.39	4.502	.4311	.0619
#1	.0077	.1258	.0147	-.0037	.0084	.0095	.0059	3.381	835.6
#2	.0073	.1260	.0151	-.0078	.0085	.0068	.0056	3.360	836.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.373**	**39.57**	**16.06**	**168.8**	**.6151**	**.0114**	**-.0273**	**25.62**	**.0064**
Stddev	.002	.03	.02	.1	.0025	.0000	.0040	.21	.0002
%RSD	.0868	.0845	.1161	.0548	.4035	.2322	14.71	.8049	2.803
#1	2.374	39.59	16.07	168.8	.6133	.0113	-.0302	25.48	.0065
#2	2.371	39.55	16.04	168.9	.6168	.0114	-.0245	25.77	.0062

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.597**	**.1519**	**.0832**	**.0599**	**14.90**	**.0017**	**.0375**
Stddev	.003	.0007	.0051	.0044	.06	.0033	.0004
%RSD	.1843	.4550	6.088	7.385	.4157	188.5	1.065
#1	1.595	.1514	.0796	.0631	14.85	.0040	.0378
#2	1.599	.1523	.0868	.0568	14.94	-.0006	.0372

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98664.**	**13430.**	**2229.0**	**6483.7**
Stddev	176.	82.	5.7	8.1
%RSD	.17799	.60712	.25694	.12459
#1	98540.	13372.	2233.0	6489.4
#2	98788.	13488.	2224.9	6478.0

Zoom In Zoom Out

Sample Name: jb69348-1CONF Acquired: 6/20/2014 14:05:46 Type: Unk
Method: Accutest1(v181) 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	**.2839**	**-.0001**	**.1653**	**.0495**	**.0192**	**.2531**	**.0693**	**2.007**	**.0045**
Stddev	.0002	.0000	.0009	.0003	.0014	.0003	.0001	.005	.0005
%RSD	.0577	14.41	.5525	.5850	7.178	.1302	.1815	.2532	10.22
#1	.2838	-.0001	.1647	.0497	.0182	.2533	.0692	2.003	.0048
#2	.2840	-.0001	.1660	.0493	.0202	.2528	.0693	2.010	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0413**	**56.60**	**.0737**	**.0030**	**.1369**	**-.0268**	**.0648**	**7.117**	**20.77**
Stddev	.0003	.09	.0004	.0011	.0003	.0011	.0012	.015	.04
%RSD	.6374	.1534	.5037	38.59	.2221	4.245	1.786	.2064	.1934
#1	.0411	56.54	.0739	.0022	.1371	-.0260	.0640	7.106	20.80
#2	.0415	56.66	.0734	.0038	.1367	-.0277	.0656	7.127	20.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**101.2**	**1.329**	**.7949**	**1.450**	**.0471**	**.0093**	**-.0018**	**5.110**	**.0228**
Stddev	.1	.039	.0334	.008	.0024	.0000	.0001	.005	.0003
%RSD	.1104	2.968	4.208	.5612	5.004	.1318	5.895	.0910	1.484
#1	101.2	1.301	.7713	1.455	.0487	.0093	-.0017	5.113	.0226
#2	101.1	1.357	.8186	1.444	.0454	.0093	-.0019	5.107	.0231

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0943**	**.0885**	**.3092**	**.0072**	**22.33**	**.0016**	**.0040**
Stddev	.0001	.0000	.0004	.0001	.01	.0011	.0001
%RSD	.0595	.0249	.1340	1.405	.0518	67.73	3.412
#1	.0942	.0885	.3089	.0071	22.32	.0008	.0041
#2	.0943	.0884	.3095	.0072	22.34	.0023	.0039

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108930.**	**14046.**	**2433.2**	**7547.7**
Stddev	92.	39.	4.3	16.9
%RSD	.08461	.28039	.17771	.22439
#1	109000.	14019.	2436.3	7559.7
#2	108870.	14074.	2430.2	7535.7

Zoom In Zoom Out

Sample Name: jb69578-11 Acquired: 6/20/2014 14:11:54 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0796**	**.0003**	**.0003**	**.0033**	**.0076**	**.0106**	**.6631**	**.0052**	**.0002**
Stddev	.0000	.0000	.0001	.0002	.0001	.0001	.0008	.0004	.0000
%RSD	.0043	7.751	42.35	6.263	1.326	.6380	.1143	7.231	18.16
#1	.0796	.0003	.0002	.0032	.0077	.0105	.6625	.0049	.0003
#2	.0797	.0003	.0004	.0035	.0076	.0106	.6636	.0055	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0199**	**.0269**	**.0095**	**.0016**	**.0239**	**.0046**	**.0015**	**5.019**	**30.13**
Stddev	.0000	.0003	.0002	.0012	.0008	.0011	.0015	.009	.06
%RSD	.0064	1.292	1.643	72.23	3.441	24.02	98.69	.1797	.1866
#1	.0199	.0271	.0094	.0024	.0245	.0038	.0026	5.026	30.17
#2	.0199	.0266	.0096	.0008	.0233	.0054	.0005	5.013	30.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.55**	**10.06**	**2.226**	**177.9**	**.0941**	**.0094**	**-.0006**	**10.34**	**.0032**
Stddev	.03	.02	.009	1.4	.0003	.0001	.0002	.01	.0001
%RSD	.2669	.1807	.3978	.8003	.2799	1.159	27.77	.1263	2.130
#1	10.53	10.07	2.232	176.9	.0943	.0093	-.0005	10.33	.0032
#2	10.57	10.04	2.220	178.9	.0939	.0095	-.0007	10.35	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2125**	**.0915**	**-.0149**	**.0125**	**81.67**	**.0003**	**.0023**
Stddev	.0001	.0029	.0004	.0001	.32	.0012	.0004
%RSD	.0661	3.134	2.620	1.133	.3962	427.3	16.04
#1	.2126	.0935	-.0152	.0124	81.44	-.0005	.0021
#2	.2124	.0895	-.0146	.0126	81.90	.0011	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103840.**	**13817.**	**2348.1**	**6871.5**
Stddev	141.	28.	8.4	20.4
%RSD	.13591	.20151	.35643	.29727
#1	103940.	13837.	2354.0	6886.0
#2	103740.	13798.	2342.2	6857.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 14:18:13 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**2.069**	**2.040**	**2.044**	**2.066**	**1.990**	**2.053**	**2.071**	**.2416**
Stddev	.004	.002	.008	.006	.005	.001	.004	.006	.0008
%RSD	.2079	.1114	.3931	.3149	.2365	.0711	.1764	.2714	.3285
#1	2.059	2.071	2.034	2.039	2.070	1.989	2.055	2.067	.2422
#2	2.053	2.067	2.046	2.049	2.063	1.991	2.050	2.075	.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.089**	**2.030**	**2.125**	**2.078**	**2.033**	**2.030**	**40.50**	**41.01**
Stddev	.001	.004	.008	.005	.006	.010	.009	.11	.06
%RSD	.0437	.1704	.4119	.2502	.2909	.4910	.4227	.2799	.1342
#1	2.000	2.086	2.024	2.122	2.073	2.026	2.024	40.58	41.05
#2	1.999	2.091	2.036	2.129	2.082	2.040	2.036	40.42	40.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.95**	**41.19**	**40.21**	**40.83**	**2.039**	**2.056**	**1.976**	**4.973**	**2.084**
Stddev	.02	.01	.11	.10	.009	.009	.001	.023	.011
%RSD	.0393	.0347	.2762	.2343	.4270	.4343	.0712	.4542	.5118
#1	39.94	41.20	40.29	40.89	2.033	2.050	1.977	4.957	2.076
#2	39.96	41.18	40.13	40.76	2.045	2.062	1.975	4.989	2.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 14:18:13 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.094**	**2.010**	**1.899**	**2.005**	**1.984**	**1.999**	**2.007**
Stddev	.007	.001	.017	.002	.010	.009	.002
%RSD	.3178	.0665	.8711	.1040	.4979	.4318	.1177
#1	2.099	2.011	1.887	2.003	1.977	1.993	2.008
#2	2.089	2.009	1.910	2.006	1.991	2.005	2.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104930.**	**13848.**	**2385.4**	**7041.8**
Stddev	244.	30.	6.6	15.8
%RSD	.23298	.21546	.27679	.22434
#1	104760.	13870.	2390.1	7053.0
#2	105110.	13827.	2380.8	7030.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 14:24:17 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0006**	**.0008**	**.0005**	**.0003**	**.0000**
Stddev	.0002	.0000	.0001	.0000	.0001	.0001	.0000	.0002	.000
%RSD	51.08	7.365	40.62	26.98	14.88	11.82	7.594	67.62	556.8
#1	.0003	.0002	.0004	.0001	.0005	.0009	.0005	.0004	.0001
#2	.0006	.0002	.0002	.0002	.0006	.0008	.0004	.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	**.0004**	**.0003**	**-.0002**	**.0013**	**.0005**	**.0021**	**.0000**	**.0062**	**.0048**
Stddev	.0000	.0000	.0001	.0007	.0008	.0009	.0007	.0077	.0031
%RSD	7.902	6.658	66.80	51.38	185.0	41.21	4055.	124.1	64.15
#1	.0004	.0003	-.0003	.0008	-.0001	.0015	-.0005	.0008	.0026
#2	.0004	.0003	-.0001	.0018	.0011	.0027	.0005	.0117	.0070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.0116**	**.0168**	**.0277**	**.0021**	F **.0022**	**.0018**	**.0048**	**.0001**
Stddev	.0008	.0153	.0073	.0061	.0002	.0003	.0003	.0000	.0001
%RSD	16.57	131.7	43.81	22.08	11.74	13.94	16.08	.6491	95.61
#1	.0043	.0008	.0220	.0233	.0019	.0025	.0020	.0048	.0000
#2	.0054	.0225	.0116	.0320	.0023	.0020	.0016	.0048	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 14:24:17 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0005**	**.0015**	**.0006**	**.0018**	**.0001**	**-.0006**
Stddev	.0000	.0000	.0029	.0001	.0013	.0003	.0005
%RSD	5.224	4.355	188.5	15.34	70.98	207.9	78.16
#1	.0004	.0006	.0036	.0006	.0027	.0004	-.0003
#2	.0003	.0005	-.0005	.0005	.0009	-.0001	-.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	**105310.**	**13973.**	**2453.4**	**7590.8**
Stddev	7.	53.	5.0	21.1
%RSD	.00665	.38151	.20373	.27782
#1	105310.	13936.	2449.8	7575.8
#2	105320.	14011.	2456.9	7605.7

Zoom In Zoom Out

Sample Name: mp80146-mb1conf Acquired: 6/20/2014 14:35:28 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**.0000**	**.0000**	**.0001**	**-.0013**	**.0002**	**.0002**	**.0001**
Stddev	.0001	.0001	.0000	.000	.0002	.0003	.0000	.0001	.0003
%RSD	30.41	109.2	574.1	900.8	473.4	25.75	4.309	61.17	187.3
#1	.0002	.0001	.0000	.0001	.0002	-.0015	.0003	.0002	.0000
#2	.0002	.0000	.0000	-.0001	-.0001	-.0010	.0002	.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0008**	**-.0007**	**-.0002**	**-.0006**	**.0012**	**.0003**	**.0111**	**.0071**
Stddev	.0001	.0001	.0008	.0008	.0001	.0002	.0002	.0022	.0006
%RSD	48.77	9.236	115.9	523.0	16.86	19.92	63.34	20.11	7.730
#1	.0002	.0008	-.0012	-.0008	-.0007	.0010	.0004	.0095	.0075
#2	.0001	.0009	-.0001	.0004	-.0006	.0014	.0001	.0126	.0067

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0008**	**.0050**	**.0003**	**.0125**	**.0078**	**.0000**	**.0019**	**.0805**	**-.0003**
Stddev	.0025	.0077	.0144	.0035	.0001	.0001	.0003	.0017	.0002
%RSD	308.0	155.7	4397.	28.16	1.842	4527.	16.27	2.127	61.31
#1	-.0026	.0104	.0105	.0150	.0077	-.0001	.0021	.0817	-.0002
#2	.0010	-.0005	-.0098	.0100	.0079	.0001	.0017	.0793	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0000**	**-.0069**	**.0001**	**.0045**	**-.0004**	**-.0003**
Stddev	.0001	.000	.0013	.0001	.0007	.0003	.0010
%RSD	35.05	2007.	18.59	56.68	15.10	85.87	363.4
#1	.0002	.0002	-.0060	.0001	.0049	-.0001	.0004
#2	.0003	-.0003	-.0078	.0002	.0040	-.0006	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**116200.**	**14020.**	**2472.7**	**7773.8**
Stddev	189.	25.	1.0	18.7
%RSD	.16295	.17850	.04011	.24108
#1	116330.	14038.	2473.4	7787.1
#2	116060.	14002.	2472.0	7760.6

Zoom In Zoom Out

Sample Name: jb69309-9 2 Acquired: 6/20/2014 14:41:46 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.438**	**.0015**	**.0134**	**.0230**	**.3086**	**1.373**	**1.896**	**.1390**	**.0028**
Stddev	.003	.0000	.0003	.0001	.0000	.002	.002	.0009	.0002
%RSD	.1019	2.895	2.095	.2943	.0090	.1309	.1163	.6624	6.690
#1	2.436	.0015	.0136	.0230	.3086	1.372	1.895	.1383	.0030
#2	2.439	.0015	.0132	.0229	.3087	1.374	1.898	.1396	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0603**	**5.591**	**.0382**	**.0006**	**1.683**	**.0151**	**.2511**	**20.68**	**124.2**
Stddev	.0007	.011	.0004	.0002	.003	.0018	.0003	.02	.4
%RSD	1.103	.1877	1.174	44.58	.1783	12.20	.1320	.1113	.2970
#1	.0598	5.584	.0379	.0004	1.681	.0164	.2513	20.70	124.4
#2	.0607	5.599	.0386	.0007	1.685	.0138	.2508	20.67	123.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**81.54**	**15.33**	**8.360**	**12.98**	**.1916**	**.0178**	**-.0051**	**33.81**	**.1381**
Stddev	.06	.07	.006	.00	.0002	.0004	.0007	.06	.0004
%RSD	.0688	.4706	.0706	.0262	.1089	2.204	13.37	.1717	.3019
#1	81.58	15.38	8.364	12.99	.1914	.0181	-.0046	33.77	.1384
#2	81.50	15.28	8.356	12.98	.1917	.0175	-.0056	33.85	.1378

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6321**	**.5473**	**.0301**	**.0110**	**38.84**	**.0008**	**.0438**
Stddev	.0000	.0005	.0004	.0000	.02	.0004	.0002
%RSD	.0073	.0934	1.222	.4413	.0589	59.54	.4571
#1	.6321	.5469	.0298	.0109	38.82	.0004	.0439
#2	.6321	.5476	.0303	.0110	38.85	.0011	.0436

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103590.**	**14003.**	**2354.0**	**7021.0**
Stddev	118.	107.	5.2	18.7
%RSD	.11408	.76433	.22110	.26699
#1	103680.	13928.	2357.6	7034.2
#2	103510.	14079.	2350.3	7007.7

Zoom In Zoom Out

Sample Name: mp80166-mb1 2 Acquired: 6/20/2014 14:47:53 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0001**	**-.0001**	**.0006**	**.0001**	**.0004**	**-.0002**
Stddev	.0000	.0001	.0001	.0003	.0001	.0004	.0000	.0002	.0004
%RSD	1.802	106.2	43.32	513.6	219.3	77.86	25.92	53.72	186.7
#1	.0002	-.0001	.0001	.0002	.0000	.0009	.0001	.0005	-.0005
#2	.0002	.0000	.0002	-.0001	-.0002	.0003	.0001	.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0005**	**-.0006**	**.0000**	**-.0005**	**.0009**	**.0002**	**.0063**	**.0048**
Stddev	.0001	.0002	.0001	.0009	.0005	.0005	.0006	.0000	.0014
%RSD	208.1	30.62	8.772	3821.	90.56	56.86	352.3	.7566	29.73
#1	.0002	.0006	-.0006	.0007	-.0002	.0005	-.0002	.0062	.0038
#2	.0000	.0004	-.0006	-.0006	-.0009	.0013	.0006	.0063	.0058

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0098**	**-.0051**	**-.0189**	**.0106**	**-.0002**	**-.0002**	**.0012**	**.0141**	**-.0007**
Stddev	.0004	.0067	.0253	.0053	.0000	.0002	.0002	.0002	.0001
%RSD	4.051	133.4	133.5	49.99	6.885	69.34	16.49	1.505	13.82
#1	.0095	-.0098	-.0011	.0143	-.0002	-.0001	.0013	.0140	-.0007
#2	.0101	-.0003	-.0368	.0068	-.0002	-.0003	.0010	.0143	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0006**	**-.0105**	**-.0003**	**.0054**	**-.0005**	**-.0009**
Stddev	.0000	.0008	.0004	.0000	.0006	.0013	.0006
%RSD	63.18	151.1	4.159	8.226	11.99	251.8	70.70
#1	.0000	.0011	-.0102	-.0003	.0059	.0004	-.0013
#2	.0000	.0000	-.0108	-.0003	.0049	-.0014	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108890.**	**13947.**	**2449.8**	**7643.1**
Stddev	204.	30.	5.0	10.8
%RSD	.18695	.21866	.20459	.14104
#1	109040.	13926.	2446.3	7635.5
#2	108750.	13969.	2453.4	7650.7

Zoom In Zoom Out

Sample Name: mp80166-lc1 Acquired: 6/20/2014 14:54:08 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5152**	**.5072**	**.4983**	**.4833**	**.5077**	**.4728**	**.5112**	**.5019**	**.1933**
Stddev	.0012	.0002	.0011	.0018	.0022	.0003	.0015	.0000	.0005
%RSD	.2313	.0374	.2183	.3778	.4291	.0700	.2895	.0084	.2837
#1	.5161	.5071	.4976	.4820	.5092	.4731	.5122	.5019	.1937
#2	.5144	.5073	.4991	.4846	.5061	.4726	.5101	.5019	.1929

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4936**	**.5138**	**.5017**	**.5222**	**.5053**	**.5273**	**.4906**	**5.082**	**5.654**
Stddev	.0007	.0013	.0015	.0033	.0013	.0016	.0020	.002	.004
%RSD	.1402	.2450	.2895	.6258	.2516	.3072	.4083	.0378	.0729
#1	.4941	.5129	.5007	.5198	.5044	.5262	.4891	5.081	5.656
#2	.4931	.5147	.5028	.5245	.5062	.5285	.4920	5.083	5.651

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.682**	**5.647**	**10.17**	**10.37**	**.0069**	**.4976**	**.0011**	**.0304**	**.0006**
Stddev	.002	.001	.01	.02	.0002	.0019	.0006	.0001	.0003
%RSD	.0320	.0153	.0983	.2227	2.482	.3832	49.15	.2652	45.39
#1	5.683	5.647	10.18	10.38	.0071	.4963	.0007	.0304	.0009
#2	5.681	5.646	10.16	10.35	.0068	.4990	.0015	.0305	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5012**	**-.0028**	**.0050**	**.0041**	**-.0005**	**.0000**
Stddev	.0001	.0013	.0006	.0002	.0010	.0002	.0002
%RSD	67.45	.2533	21.04	3.390	23.95	40.25	658.9
#1	-.0001	.5021	-.0032	.0051	.0034	-.0004	-.0001
#2	.0000	.5003	-.0023	.0049	.0048	-.0007	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107940.**	**14154.**	**2424.8**	**7439.0**
Stddev	259.	24.	.4	1.3
%RSD	.23988	.16892	.01774	.01758
#1	107750.	14138.	2425.1	7438.1
#2	108120.	14171.	2424.5	7439.9

Zoom In Zoom Out

Sample Name: mp80166-s1 Acquired: 6/20/2014 15:00:13 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.082**	**.0539**	**.0508**	**.5157**	**.2119**	**.2467**	**.5312**	**.5341**	**.0502**
Stddev	.000	.0001	.0004	.0011	.0006	.0001	.0003	.0003	.0002
%RSD	.0032	.1299	.8061	.2224	.3016	.0530	.0545	.0617	.4045
#1	2.082	.0540	.0505	.5149	.2115	.2466	.5314	.5339	.0501
#2	2.082	.0539	.0511	.5165	.2124	.2468	.5310	.5343	.0504

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5111**	**.5367**	**2.170**	**2.195**	**.5350**	**2.267**	**.5273**	**2.077**	**38.15**
Stddev	.0012	.0015	.008	.006	.0004	.008	.0017	.007	.09
%RSD	.2288	.2830	.3706	.2688	.0779	.3603	.3195	.3175	.2321
#1	.5102	.5356	2.164	2.190	.5353	2.262	.5261	2.072	38.21
#2	.5119	.5378	2.175	2.199	.5347	2.273	.5285	2.082	38.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.088**	**29.15**	**27.31**	**138.5**	**.0084**	**.0022**	**.0001**	**1.021**	**.0020**
Stddev	.002	.12	.03	.1	.0005	.0001	.0002	.004	.0005
%RSD	.1913	.4140	.1081	.0413	5.380	2.580	122.1	.4313	27.26
#1	1.089	29.23	27.33	138.4	.0081	.0022	.0000	1.018	.0016
#2	1.086	29.06	27.29	138.5	.0088	.0021	.0002	1.024	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0714**	**.0019**	**-.0095**	**.0028**	**5.184**	**-.0006**	**.0000**
Stddev	.0001	.0006	.0003	.0001	.030	.0006	.000
%RSD	.1650	30.43	3.672	4.078	.5856	88.40	549.7
#1	.0713	.0015	-.0097	.0029	5.163	-.0010	.0001
#2	.0715	.0024	-.0092	.0027	5.206	-.0002	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103680.**	**13847.**	**2332.4**	**6869.0**
Stddev	30.	55.	6.9	10.3
%RSD	.02908	.40013	.29439	.14937
#1	103700.	13808.	2337.2	6876.3
#2	103660.	13886.	2327.5	6861.8

Zoom In Zoom Out

Sample Name: mp80166-s2 Acquired: 6/20/2014 15:06:17 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.108**	**.0544**	**.0513**	**.5206**	**.2135**	**.2492**	**.5372**	**.5400**	**.0508**
Stddev	.003	.0002	.0001	.0005	.0002	.0004	.0002	.0011	.0003
%RSD	.1502	.3550	.1613	.0931	.1162	.1677	.0329	.2076	.5131
#1	2.110	.0546	.0512	.5203	.2133	.2489	.5373	.5392	.0510
#2	2.106	.0543	.0514	.5210	.2137	.2495	.5371	.5408	.0506

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5158**	**.5413**	**2.190**	**2.212**	**.5413**	**2.289**	**.5323**	**2.098**	**38.54**
Stddev	.0002	.0008	.001	.004	.0001	.001	.0022	.006	.04
%RSD	.0410	.1408	.0551	.1973	.0187	.0625	.4065	.2722	.1017
#1	.5156	.5407	2.189	2.209	.5413	2.288	.5307	2.094	38.57
#2	.5159	.5418	2.191	2.216	.5414	2.290	.5338	2.102	38.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.102**	**29.30**	**27.65**	**141.0**	**.0089**	**.0021**	**-.0010**	**1.050**	**.0030**
Stddev	.006	.02	.03	.2	.0006	.0001	.0007	.000	.0003
%RSD	.5614	.0713	.1080	.1650	6.923	4.126	66.50	.0350	8.778
#1	1.097	29.31	27.67	141.2	.0085	.0022	-.0015	1.050	.0032
#2	1.106	29.28	27.63	140.8	.0094	.0020	-.0005	1.050	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0728**	**.0017**	**-.0113**	**.0022**	**5.285**	**-.0003**	**-.0004**
Stddev	.0001	.0002	.0007	.0001	.013	.0000	.0007
%RSD	.1865	10.88	6.538	3.313	.2453	2.671	171.4
#1	.0729	.0016	-.0107	.0023	5.276	-.0003	.0001
#2	.0727	.0019	-.0118	.0022	5.294	-.0003	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103850.**	**14006.**	**2342.8**	**6900.6**
Stddev	69.	22.	.9	2.1
%RSD	.06641	.16024	.03979	.03108
#1	103800.	13990.	2342.1	6899.1
#2	103900.	14021.	2343.5	6902.1

Zoom In Zoom Out

Sample Name: jb69307-5 Acquired: 6/20/2014 15:12:21 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0109**	**-.0001**	**.0004**	**.0003**	**.0006**	**.0006**	**.0112**	**.0055**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0000	.0001	.0003
%RSD	.3790	4.271	32.47	30.65	21.35	15.56	.3365	1.294	585.0
#1	.0109	-.0001	.0005	.0004	.0005	.0007	.0111	.0055	-.0002
#2	.0110	-.0001	.0003	.0003	.0007	.0005	.0112	.0056	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0036**	**.0000**	**.0002**	**.0005**	**.0029**	**.0004**	**.0296**	**12.40**
Stddev	.0002	.0001	.001	.0003	.0004	.0012	.0003	.0038	.01
%RSD	794.4	3.274	2207.	163.7	79.72	42.94	82.47	12.89	.0707
#1	-.0001	.0037	.0004	.0000	.0002	.0037	.0002	.0323	12.39
#2	.0002	.0035	-.0004	.0004	.0008	.0020	.0006	.0269	12.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0257**	**2.204**	**1.180**	**112.8**	**.0092**	**.0001**	**.0014**	**1.010**	**.0008**
Stddev	.0027	.005	.004	.0	.0002	.0000	.0005	.003	.0012
%RSD	10.35	.2469	.3536	.0105	2.411	54.74	39.24	.2875	153.4
#1	.0238	2.200	1.183	112.8	.0091	.0000	.0018	1.012	-.0001
#2	.0275	2.208	1.177	112.8	.0094	.0001	.0010	1.008	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0719**	**.0001**	**-.0153**	**-.0001**	**5.189**	**-.0006**	**.0006**
Stddev	.0001	.0001	.0000	.0001	.006	.0003	.0013
%RSD	.0893	121.4	.0486	104.0	.1082	59.33	236.2
#1	.0720	.0002	-.0153	-.0002	5.193	-.0008	-.0004
#2	.0719	.0000	-.0153	.0000	5.186	-.0003	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105260.**	**13962.**	**2387.0**	**7113.4**
Stddev	453.	33.	2.3	6.8
%RSD	.43021	.23692	.09627	.09594
#1	105580.	13986.	2385.3	7118.3
#2	104940.	13939.	2388.6	7108.6

Zoom In Zoom Out

Sample Name: mp80166-sd1 Acquired: 6/20/2014 15:18:34 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0110**	**-.0005**	**.0011**	**-.0007**	**.0003**	**-.0032**	**.0107**	**.0051**	**.0004**
Stddev	.0003	.0002	.0007	.0016	.0010	.0003	.0000	.0011	.0022
%RSD	2.696	30.93	66.18	229.4	287.3	9.149	.2591	21.93	503.8
#1	.0112	-.0006	.0006	.0004	.0010	-.0030	.0108	.0043	-.0011
#2	.0108	-.0004	.0016	-.0018	-.0003	-.0034	.0107	.0059	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0118**	**-.0016**	**.0043**	**.0008**	**.0128**	**.0041**	**-.0057**	**12.89**
Stddev	.0002	.0012	.0043	.0037	.0035	.0081	.0024	.0149	.04
%RSD	478.7	10.51	269.7	85.87	412.3	63.42	57.55	260.1	.2850
#1	.0002	.0127	.0015	.0017	.0033	.0185	.0025	.0048	12.86
#2	-.0001	.0109	-.0047	.0070	-.0016	.0070	.0058	-.0162	12.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0070**	**2.235**	**1.235**	**115.9**	**.0080**	**-.0021**	**.0054**	**1.054**	**-.0015**
Stddev	.0127	.050	.101	.6	.0014	.0006	.0071	.003	.0023
%RSD	182.9	2.241	8.144	.4964	17.90	26.77	131.7	.2598	154.8
#1	.0160	2.199	1.164	115.5	.0090	-.0017	.0004	1.056	.0001
#2	-.0020	2.270	1.306	116.4	.0070	-.0025	.0104	1.052	-.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0741**	**-.0011**	**-.0924**	**-.0030**	**5.057**	**.0003**	**-.0023**
Stddev	.0002	.0019	.0006	.0008	.027	.0005	.0059
%RSD	.2326	170.8	.6338	25.37	.5334	191.5	251.6
#1	.0743	.0002	-.0920	-.0024	5.038	-.0001	-.0065
#2	.0740	-.0024	-.0928	-.0035	5.076	.0007	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112020.**	**13869.**	**2436.3**	**7519.9**
Stddev	139.	36.	2.5	3.6
%RSD	.12368	.25601	.10276	.04841
#1	112120.	13844.	2438.1	7517.4
#2	111920.	13894.	2434.5	7522.5

Zoom In Zoom Out

Sample Name: jb69307-1 Acquired: 6/20/2014 15:24:48 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0153**	**.0000**	**.0004**	**.0019**	**.0002**	**.0035**	**.0459**	**.0033**	**.0001**
Stddev	.0001	.000	.0000	.0000	.0001	.0001	.0000	.0001	.0000
%RSD	.8794	44.60	6.828	.3634	47.77	3.984	.0711	3.214	55.01
#1	.0154	.0000	.0004	.0019	.0001	.0034	.0459	.0034	.0001
#2	.0152	.0000	.0004	.0019	.0003	.0036	.0459	.0033	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0238**	**.0005**	**.0007**	**.0007**	**.0029**	**.0008**	**1.025**	**2.061**
Stddev	.0001	.0001	.0006	.0002	.0003	.0021	.0010	.007	.008
%RSD	31.50	.6096	108.1	30.94	46.01	73.99	124.4	.6868	.3769
#1	.0002	.0240	.0009	.0006	.0009	.0044	.0015	1.020	2.066
#2	.0003	.0237	.0001	.0009	.0004	.0014	.0001	1.030	2.055

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0206**	**.6522**	**.7537**	**15.21**	**.0120**	**-.0003**	**.0006**	**1.293**	**.0002**
Stddev	.0001	.0222	.0052	.04	.0003	.0000	.0004	.000	.0001
%RSD	.4463	3.406	.6880	.2363	2.863	7.445	68.71	.0034	29.12
#1	.0207	.6365	.7500	15.24	.0117	-.0003	.0009	1.293	.0002
#2	.0205	.6680	.7573	15.19	.0122	-.0003	.0003	1.293	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0115**	**.0001**	**-.0143**	**.0000**	**3.902**	**-.0007**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.024	.0004	.0000
%RSD	1.225	8.017	.4268	342.7	.6168	53.85	6.221
#1	.0116	.0001	-.0143	.0000	3.919	-.0005	-.0003
#2	.0114	.0001	-.0143	.0001	3.885	-.0010	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109530.**	**13901.**	**2430.7**	**7461.3**
Stddev	256.	22.	1.7	20.5
%RSD	.23405	.15764	.06882	.27461
#1	109710.	13917.	2431.9	7475.8
#2	109350.	13886.	2429.5	7446.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 15:31:03 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.034**	**2.074**	**2.067**	**2.085**	**2.077**	F **2.214**	**2.120**	**.2646**
Stddev	.000	.001	.002	.002	.002	.012	.001	.001	.0006
%RSD	.0026	.0508	.1100	.0774	.0764	.5781	.0562	.0672	.2126
#1	2.023	2.034	2.076	2.068	2.084	2.069	2.215	2.121	.2642
#2	2.024	2.035	2.072	2.066	2.086	2.086	2.213	2.119	.2650
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%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.063**	**2.093**	**2.067**	F **2.205**	**2.101**	**2.060**	**2.044**	**37.91**	**38.33**
Stddev	.006	.003	.002	.007	.001	.000	.003	.02	.04
%RSD	.2765	.1558	.0993	.3410	.0362	.0078	.1618	.0446	.1162
#1	2.059	2.095	2.069	2.199	2.101	2.060	2.046	37.92	38.29
#2	2.067	2.090	2.066	2.210	2.102	2.060	2.041	37.90	38.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				10.00%					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.27**	**37.88**	**39.07**	**38.61**	**2.078**	**2.064**	**2.137**	**4.986**	**2.135**
Stddev	.06	.04	.01	.01	.000	.003	.003	.000	.003
%RSD	.1406	.1160	.0246	.0204	.0104	.1240	.1186	.0081	.1575
#1	41.23	37.85	39.06	38.62	2.077	2.063	2.135	4.986	2.137
#2	41.31	37.91	39.07	38.61	2.078	2.066	2.138	4.987	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: 6/20/2014 15:31:03 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**2.182**	**1.926**	**2.033**	**2.001**	**2.016**	**2.027**
Stddev	.000	.001	.010	.012	.004	.002	.001
%RSD	.0191	.0484	.5138	.5852	.2094	.1019	.0650
#1	1.970	2.182	1.919	2.025	1.998	2.017	2.028
#2	1.970	2.181	1.933	2.042	2.004	2.014	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	**97885.**	**14051.**	**2364.7**	**6932.7**
Stddev	167.	103.	.2	.6
%RSD	.17013	.73500	.00894	.00803
#1	97767.	14124.	2364.5	6933.1
#2	98002.	13978.	2364.8	6932.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 15:37:06 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0006**	**.0003**	**.0002**	**.0000**
Stddev	.0002	.0000	.0000	.0001	.0003	.0003	.0001	.0003	.0001
%RSD	191.2	71.76	35.61	70.38	165.5	46.71	31.99	142.0	4563.
#1	.0002	.0001	.0002	.0000	.0004	-.0004	.0002	.0004	.0001
#2	.0000	.0000	.0001	-.0001	.0000	-.0009	.0004	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0000**	**-.0001**	**.0011**	**-.0003**	**.0012**	**.0013**	**.0028**	**-.0008**
Stddev	.0002	.0000	.0004	.0010	.0000	.0006	.0006	.0031	.0006
%RSD	33.99	424.5	301.7	94.68	6.350	48.72	45.97	108.5	69.35
#1	.0004	.0000	.0002	.0018	-.0003	.0008	.0009	.0007	-.0012
#2	.0006	.0000	-.0004	.0003	-.0003	.0016	.0017	.0050	-.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	**-.0012**	**.0098**	**-.0023**	**.0124**	**.0011**	**.0019**	**.0008**	**.0006**	**-.0002**
Stddev	.0025	.0081	.0440	.0002	.0001	.0004	.0011	.0013	.0003
%RSD	210.5	82.95	1879.	1.941	7.840	19.90	142.0	222.2	132.5	
#1	-.0029	.0156	.0288	.0126	.0012	.0021	.0015	.0015	.0000
#2	.0006	.0041	-.0335	.0123	.0011	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 15:37:06 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0001**	**.0007**	**.0016**	**.0000**	**.0000**
Stddev	.0000	.0000	.0017	.0001	.0018	.000	.000
%RSD	6.551	7.900	3354.	10.72	115.0	4513.	153.7
#1	.0003	.0002	.0013	.0006	.0028	-.0002	.0000
#2	.0003	.0003	-.0012	.0007	.0003	.0002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111140.**	**13671.**	**2440.9**	**7640.3**
Stddev	683.	25.	9.4	17.6
%RSD	.61448	.18158	.38513	.22984
#1	110660.	13688.	2447.5	7652.8
#2	111620.	13653.	2434.2	7627.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 15:45:18 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.075**	**2.023**	**2.026**	**2.071**	**1.994**	**2.063**	**2.059**	**.2432**
Stddev	.002	.002	.006	.004	.012	.008	.013	.005	.0013
%RSD	.0953	.0962	.3105	.2094	.5970	.4236	.6102	.2415	.5268
#1	2.072	2.073	2.019	2.023	2.080	1.999	2.072	2.055	.2441
#2	2.074	2.076	2.027	2.029	2.063	1.988	2.054	2.062	.2423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.070**	**2.023**	**2.152**	**2.066**	**2.027**	**2.014**	**40.50**	**40.98**
Stddev	.009	.005	.008	.007	.004	.007	.009	.07	.08
%RSD	.4544	.2404	.4068	.3198	.1948	.3267	.4458	.1716	.1913
#1	2.006	2.067	2.017	2.156	2.063	2.023	2.008	40.55	41.03
#2	1.993	2.074	2.029	2.147	2.069	2.032	2.021	40.45	40.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.13**	**41.23**	**40.41**	**41.11**	**2.030**	**2.042**	**1.978**	**4.943**	**2.071**
Stddev	.11	.10	.03	.03	.009	.007	.008	.024	.009
%RSD	.2739	.2431	.0710	.0694	.4673	.3333	.4223	.4774	.4159
#1	40.06	41.16	40.39	41.13	2.023	2.037	1.984	4.926	2.065
#2	40.21	41.30	40.43	41.09	2.036	2.047	1.972	4.960	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 15:45:18 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.106**	**2.022**	**1.926**	**2.020**	**1.989**	**1.985**	**2.012**
Stddev	.003	.012	.019	.009	.002	.005	.006
%RSD	.1628	.5929	.9748	.4500	.0931	.2528	.2802
#1	2.109	2.031	1.913	2.027	1.988	1.982	2.008
#2	2.104	2.014	1.939	2.014	1.990	1.989	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	**104410.**	**13733.**	**2396.3**	**7064.3**
Stddev	787.	40.	9.1	16.9
%RSD	.75350	.29458	.38012	.23940
#1	103850.	13705.	2402.8	7076.2
#2	104960.	13762.	2389.9	7052.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 15:51:22 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**.0001**	**.0006**	**.0005**	**.0003**	**.0001**
Stddev	.0001	.0000	.0000	.0002	.0002	.0001	.0000	.0000	.0002
%RSD	8.818	9.319	18.87	73.17	188.3	15.26	6.531	12.19	331.8
#1	.0006	.0005	.0002	.0003	.0000	.0005	.0005	.0004	.0002
#2	.0007	.0004	.0002	.0001	.0002	.0007	.0005	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0001**	**.0005**	**.0017**	**-.0003**	**.0014**	**.0001**	**.0097**	**.0041**
Stddev	.0000	.0003	.0003	.0002	.0008	.0006	.0004	.0055	.0003
%RSD	5.280	247.8	75.28	9.762	256.3	44.46	336.8	56.56	7.592
#1	.0007	.0003	.0007	.0018	.0003	.0018	.0004	.0058	.0043
#2	.0007	-.0001	.0002	.0016	-.0009	.0009	-.0002	.0135	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070**	**-.0018**	**.0205**	**.0154**	**.0018**	F **.0022**	**.0012**	**.0011**	**.0001**
Stddev	.0003	.0059	.0118	.0017	.0008	.0003	.0002	.0002	.0001
%RSD	4.936	323.8	57.71	11.00	43.76	15.32	15.93	22.76	134.7
#1	.0067	-.0060	.0289	.0142	.0024	.0025	.0010	.0013	.0002
#2	.0072	.0024	.0121	.0166	.0013	.0020	.0013	.0009	.0000
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: 6/20/2014 15:51:22 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0000**	F **.0129**	F **.0010**	**.0003**	**.0004**	**-.0010**
Stddev	.0000	.000	.0022	.0001	.0009	.0006	.0002
%RSD	.2193	184.4	16.83	11.13	316.5	161.5	19.77
#1	.0006	.0000	.0144	.0011	.0010	.0008	-.0009
#2	.0006	-.0001	.0113	.0010	-.0004	-.0001	-.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	**107620.**	**13721.**	**2450.2**	**7603.9**
Stddev	385.	68.	2.1	10.5
%RSD	.35754	.49467	.08512	.13764
#1	107350.	13769.	2451.7	7611.3
#2	107890.	13673.	2448.7	7596.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 15:57:41 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2118**	**.0023**	**.0034**	**.0517**	**.0108**	**.0096**	**.0163**	**.0105**	**.0047**
Stddev	.0003	.0000	.0001	.0001	.0003	.0001	.0001	.0004	.0002
%RSD	.1557	1.916	3.139	.1092	2.349	.5391	.3736	3.929	3.411
#1	.2120	.0023	.0033	.0517	.0106	.0097	.0164	.0102	.0048
#2	.2116	.0024	.0034	.0518	.0110	.0096	.0163	.0108	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0544**	**.0244**	**.0097**	**.0079**	**.0029**	**.0121**	**.0072**	**.2153**	**5.185**
Stddev	.0004	.0001	.0003	.0008	.0001	.0006	.0005	.0017	.010
%RSD	.7408	.5277	2.744	10.15	4.731	5.067	6.530	.7830	.1946
#1	.0547	.0243	.0096	.0073	.0028	.0117	.0068	.2165	5.192
#2	.0541	.0245	.0099	.0085	.0030	.0126	.0075	.2141	5.178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1058**	**5.339**	**5.134**	**5.293**	**.1061**	**.0225**	**.0585**	**.2134**	**.0108**
Stddev	.0045	.021	.017	.010	.0007	.0001	.0011	.0007	.0003
%RSD	4.288	.3987	.3244	.1833	.6809	.5905	1.944	.3356	3.153
#1	.1026	5.354	5.146	5.300	.1056	.0226	.0593	.2129	.0111
#2	.1090	5.324	5.123	5.286	.1067	.0224	.0577	.2140	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 15:57:41 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0111**	**.0108**	**.0625**	F **.0130**	**.0528**	**.0215**	**.0214**
Stddev	.0000	.0002	.0006	.0002	.0009	.0000	.0020
%RSD	.3546	1.756	.9131	1.492	1.726	.0871	9.561
#1	.0112	.0109	.0629	.0132	.0522	.0215	.0229
#2	.0111	.0106	.0621	.0129	.0535	.0215	.0200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0100			
Range				30.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107330.**	**13570.**	**2405.1**	**7454.7**
Stddev	203.	53.	3.1	4.5
%RSD	.18929	.38858	.12948	.06049
#1	107190.	13533.	2407.3	7451.5
#2	107470.	13607.	2402.9	7457.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 16:03:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0023**	F **.0008**	**.0031**	**.0046**	**.0007**
Stddev	.0001	.0000	.0001	.0002	.0004	.0004	.0000	.0000	.0003
%RSD	1.476	2.129	8.035	7.406	17.72	44.27	1.372	.5502	35.47
#1	.0044	.0010	.0010	.0030	.0026	.0006	.0031	.0046	.0005
#2	.0043	.0010	.0011	.0033	.0020	.0011	.0031	.0045	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0020			
Range						-30.00%			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0122**	**.0025**	**.0019**	**.0027**	**.0058**	F **.0043**	**.1066**	**1.092**
Stddev	.0000	.0002	.0002	.0012	.0004	.0022	.0001	.0007	.006
%RSD	1.293	1.904	6.722	61.74	12.91	38.91	3.079	.6423	.5600
#1	.0019	.0120	.0026	.0011	.0030	.0042	.0042	.1071	1.088
#2	.0019	.0123	.0024	.0028	.0025	.0074	.0044	.1061	1.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0030		
Range							30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**.1057**	**2.137**	**1.095**	**.0098**	**.0005**	**.0006**	**-.0010**	**-.0002**
Stddev	.0005	.0107	.002	.001	.0004	.0000	.0001	.0008	.0004
%RSD	17.62	10.14	.1042	.1317	3.894	9.882	15.19	74.14	177.6
#1	-.0027	.1132	2.138	1.094	.0101	.0004	.0006	-.0016	-.0005
#2	-.0034	.0981	2.135	1.096	.0095	.0005	.0007	-.0005	.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: 6/20/2014 16:03:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0041**	**-.0002**	**.0005**	**-.0005**	**-.0012**
Stddev	.0000	.0002	.0002	.0000	.0005	.0002	.0001
%RSD	18.80	100.9	5.486	20.98	99.58	28.21	7.709
#1	.0002	-.0004	-.0039	-.0002	.0001	-.0004	-.0011
#2	.0001	-.0001	-.0042	-.0002	.0008	-.0007	-.0013
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111520.**	**13483.**	**2446.0**	**7602.2**
Stddev	620.	78.	1.3	13.3
%RSD	.55614	.57517	.05267	.17515
#1	111960.	13538.	2446.9	7611.6
#2	111080.	13429.	2445.1	7592.8

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 16:10:13 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0001**	**-.0001**	**-.0001**	**.0001**	**.0000**	**.0001**	**-.0002**
Stddev	.000	.0000	.0000	.0004	.0003	.0000	.0000	.0001	.0001
%RSD	126.7	44.15	28.54	389.6	373.0	30.67	567.6	103.0	79.99
#1	-.0001	-.0001	.0001	-.0004	-.0003	.0001	.0000	.0001	-.0003
#2	.0000	-.0001	.0001	.0002	.0002	.0001	.0000	.0000	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0199**	**-.0001**	**.0201**	**.0246**	**.0205**	**.5009**	**-.0057**
Stddev	.0001	.000	.0001	.0006	.0001	.0012	.0007	.0024	.0024
%RSD	94.08	225.6	.4211	1036.	.2553	5.072	3.178	.4842	42.01
#1	.0001	-.0001	.0199	-.0004	.0201	.0237	.0210	.4991	-.0040
#2	.0000	.0000	.0200	.0003	.0201	.0254	.0201	.5026	-.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	**.5359**	**-.0023**	**-.0229**	**-.0045**	**.0001**	**.0000**	**.0008**	**-.0011**	**-.0012**
Stddev	.0035	.0060	.0019	.0060	.0000	.0000	.0014	.0005	.0005
%RSD	.6540	256.5	8.471	133.8	30.03	1175.	165.9	44.87	39.85
#1	.5384	.0019	-.0215	-.0002	.0001	.0000	-.0001	-.0007	-.0016
#2	.5335	-.0066	-.0243	-.0087	.0001	.0000	.0018	-.0014	-.0009
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 16:10:13 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0057**	**.0000**	**.0010**	**.0004**	**.0005**
Stddev	.0000	.0000	.0007	.000	.0014	.0001	.0003
%RSD	148.3	7.176	12.77	20.66	137.8	25.57	70.97
#1	.0000	-.0001	-.0052	.0000	.0000	.0004	.0007
#2	.0000	-.0001	-.0062	.0000	.0021	.0003	.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106680.**	**13702.**	**2443.6**	**7559.6**
Stddev	44.	79.	6.3	14.6
%RSD	.04108	.57857	.25902	.19268
#1	106650.	13646.	2448.0	7569.9
#2	106710.	13758.	2439.1	7549.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 16:16:33 Type: QC
Method: Accutest1(v181) 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	**2.064**	**2.067**	**2.043**	**2.044**	**2.070**	**2.000**	**2.091**	**2.088**	**.2480**
Stddev	.003	.001	.003	.003	.002	.001	.003	.001	.0000
%RSD	.1373	.0222	.1664	.1240	.0861	.0385	.1605	.0226	.0078
#1	2.062	2.067	2.040	2.042	2.071	1.999	2.094	2.088	.2480
#2	2.066	2.067	2.045	2.045	2.069	2.001	2.089	2.088	.2481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.092**	**2.049**	**2.196**	**2.093**	**2.049**	**2.036**	**39.71**	**40.10**
Stddev	.003	.002	.002	.005	.006	.001	.004	.04	.10
%RSD	.1491	.0776	.1066	.2383	.2793	.0628	.1951	.0977	.2500
#1	2.008	2.094	2.047	2.193	2.089	2.048	2.033	39.74	40.17
#2	2.004	2.091	2.051	2.200	2.098	2.050	2.038	39.69	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	**40.59**	**40.35**	**40.13**	**40.46**	**2.049**	**2.059**	**2.000**	**4.986**	**2.102**
Stddev	.02	.05	.04	.05	.006	.004	.001	.011	.002
%RSD	.0474	.1202	.0920	.1212	.3121	.2169	.0724	.2237	.0739
#1	40.61	40.38	40.10	40.42	2.044	2.056	1.999	4.979	2.103
#2	40.58	40.31	40.16	40.49	2.053	2.062	2.001	4.994	2.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 16:16:33 Type: QC
Method: Accutest1(v181) 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	**2.066**	**2.047**	**1.945**	**2.017**	**2.019**	**2.001**	**2.025**
Stddev	.003	.003	.013	.002	.002	.005	.002
%RSD	.1577	.1301	.6717	.0770	.1149	.2669	.1057
#1	2.064	2.049	1.936	2.018	2.017	1.997	2.026
#2	2.068	2.045	1.954	2.016	2.020	2.005	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	**103170.**	**13694.**	**2375.7**	**6993.3**
Stddev	364.	72.	.7	1.8
%RSD	.35291	.52479	.02925	.02636
#1	102910.	13643.	2376.2	6994.7
#2	103430.	13745.	2375.2	6992.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 16:22:37 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**-.0006**	**.0003**	**.0002**	**-.0005**
Stddev	.0002	.0001	.0001	.0000	.0001	.0002	.0001	.0000	.0001
%RSD	46.80	20.97	36.11	.8970	64.06	35.92	19.57	7.179	14.16
#1	.0003	.0002	.0004	.0002	.0001	-.0004	.0003	.0002	-.0005
#2	.0007	.0003	.0002	.0002	.0003	-.0007	.0003	.0002	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**.0006**	**.0011**	**-.0010**	**-.0009**	**.0018**	**.0084**	**.0009**
Stddev	.0003	.0000	.0009	.0009	.0004	.0009	.0001	.0039	.0016
%RSD	83.15	43.27	146.1	82.59	35.12	103.3	5.324	46.36	184.7
#1	.0006	.0000	.0012	.0017	-.0013	-.0016	.0017	.0111	.0021
#2	.0002	.0001	.0000	.0004	-.0008	-.0002	.0019	.0056	-.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	**.0040**	**-.0122**	**.0182**	**.0081**	**.0013**	F **.0021**	**.0012**	**.0002**	**-.0002**
Stddev	.0028	.0190	.0275	.0027	.0000	.0006	.0001	.0006	.0002
%RSD	70.27	155.8	151.1	33.47	.4280	27.69	7.607	335.8	141.1
#1	.0020	-.0256	-.0012	.0062	.0013	.0026	.0011	.0006	.0000
#2	.0061	.0012	.0376	.0100	.0013	.0017	.0012	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 16:22:37 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0131**	F **.0011**	**.0017**	**-.0001**	**-.0002**
Stddev	.0000	.0001	.0011	.0000	.0008	.0003	.0006
%RSD	8.619	24.86	8.522	.0258	45.26	233.5	306.3
#1	.0004	.0005	.0138	.0011	.0011	.0001	-.0006
#2	.0005	.0007	.0123	.0011	.0022	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111910.**	**13647.**	**2450.1**	**7673.8**
Stddev	157.	100.	4.2	9.1
%RSD	.14050	.73438	.17020	.11838
#1	111800.	13718.	2453.1	7680.2
#2	112020.	13576.	2447.2	7667.4

Zoom In Zoom Out

Sample Name: mp80185-mb1 2 Acquired: 6/20/2014 16:28:56 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0013**	**-.0001**	**.0000**	**.0000**	**.0018**	**-.0004**	**.0043**	**.0004**	**-.0003**
Stddev	.0002	.0000	.000	.0002	.0002	.0003	.0001	.0001	.0002
%RSD	13.83	9.509	26.95	1645.	8.643	76.53	1.471	18.64	51.32
#1	.0014	-.0001	-.0001	-.0001	.0019	-.0005	.0043	.0004	-.0005
#2	.0012	-.0001	.0000	.0002	.0017	-.0002	.0044	.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0093**	**.0007**	**-.0002**	**.0010**	**.0004**	**.0005**	**.0588**	**.0565**
Stddev	.0000	.0001	.0001	.0006	.0008	.0020	.0002	.0017	.0047
%RSD	2.368	1.557	11.67	361.7	80.95	489.7	39.24	2.880	8.314
#1	.0002	.0094	.0006	.0003	.0004	.0019	.0003	.0600	.0598
#2	.0003	.0092	.0007	-.0006	.0016	-.0010	.0006	.0576	.0532

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0953**	**.0115**	**.0317**	**.0312**	**.0014**	**.0012**	**.0009**	**.0220**	**.0155**
Stddev	.0038	.0199	.0102	.0007	.0003	.0002	.0004	.0028	.0001
%RSD	3.951	172.3	32.23	2.404	22.44	16.61	41.89	12.54	.4189
#1	.0927	-.0025	.0245	.0307	.0011	.0014	.0006	.0240	.0155
#2	.0980	.0256	.0389	.0317	.0016	.0011	.0012	.0201	.0154

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0010**	**.0153**	**.0022**	**.0260**	**-.0006**	**-.0010**
Stddev	.0000	.0000	.0003	.0001	.0004	.0000	.0008
%RSD	1.882	1.562	2.154	5.979	1.720	2.595	81.67
#1	.0003	.0010	.0151	.0021	.0263	-.0006	-.0004
#2	.0003	.0011	.0155	.0023	.0257	-.0007	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112330.**	**13760.**	**2452.8**	**7655.8**
Stddev	291.	62.	3.1	23.7
%RSD	.25947	.45396	.12687	.30913
#1	112540.	13716.	2455.0	7672.6
#2	112120.	13804.	2450.6	7639.1

Zoom In Zoom Out

Sample Name: mp80185-b1 Acquired: 6/20/2014 16:35:13 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.749**	**.0954**	**.0903**	**.9225**	**.3833**	**.4570**	**1.017**	**.9584**	**.0976**
Stddev	.005	.0001	.0001	.0009	.0004	.0001	.001	.0008	.0006
%RSD	.1360	.0774	.0943	.0937	.1095	.0244	.0795	.0863	.5656
#1	3.752	.0955	.0902	.9218	.3830	.4571	1.016	.9579	.0972
#2	3.745	.0954	.0903	.9231	.3836	.4570	1.017	.9590	.0980

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9340**	**.9664**	**3.859**	**3.992**	**.9617**	**3.995**	**.9248**	**47.50**	**11.27**
Stddev	.0007	.0011	.004	.029	.0001	.002	.0024	.04	.01
%RSD	.0705	.1099	.1095	.7131	.0123	.0416	.2610	.0775	.0460
#1	.9345	.9656	3.856	3.972	.9616	3.994	.9231	47.53	11.27
#2	.9336	.9671	3.862	4.013	.9618	3.996	.9265	47.47	11.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**50.67**	**11.61**	**11.91**	**11.64**	**.9355**	**.9192**	**.6906**	**.9463**	**.9623**
Stddev	.06	.01	.02	.01	.0015	.0025	.0036	.0023	.0025
%RSD	.1173	.1110	.1879	.0775	.1656	.2768	.5189	.2469	.2611
#1	50.72	11.60	11.90	11.63	.9344	.9174	.6881	.9479	.9605
#2	50.63	11.62	11.93	11.64	.9366	.9210	.6931	.9446	.9641

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9163**	**1.008**	**.0232**	**.0170**	**.0505**	**.0005**	**-.0003**
Stddev	.0000	.000	.0012	.0006	.0001	.0010	.0001
%RSD	.0047	.0104	5.215	3.721	.1672	211.8	27.13
#1	.9163	1.008	.0241	.0174	.0505	.0012	-.0002
#2	.9162	1.008	.0224	.0165	.0504	-.0002	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100590.**	**14079.**	**2394.5**	**7171.6**
Stddev	157.	33.	1.2	.5
%RSD	.15597	.23753	.05192	.00754
#1	100700.	14103.	2395.4	7171.9
#2	100480.	14056.	2393.6	7171.2

Zoom In Zoom Out

Sample Name: mp80185-s1 Acquired: 6/20/2014 16:41:15 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.599**	**.0982**	**.0851**	**.9641**	**.8477**	**.6481**	**3.834**	**1.097**	**.0893**
Stddev	.001	.0002	.0001	.0004	.0009	.0020	.009	.003	.0001
%RSD	.0285	.2280	.0619	.0442	.1097	.3010	.2426	.2609	.1074
#1	4.598	.0980	.0851	.9644	.8470	.6495	3.840	1.100	.0892
#2	4.600	.0983	.0850	.9638	.8483	.6467	3.827	1.095	.0894

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.250**	**1.353**	**3.635**	**3.766**	**1.006**	**3.778**	**.4330**	**209.0**	**26.52**
Stddev	.002	.000	.001	.047	.002	.011	.0014	1.2	.17
%RSD	.1507	.0146	.0326	1.237	.1552	.2886	.3200	.5568	.6451
#1	1.251	1.353	3.635	3.733	1.007	3.770	.4340	208.1	26.40
#2	1.248	1.353	3.634	3.799	1.005	3.785	.4320	209.8	26.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**221.6**	**72.07**	**24.10**	**12.86**	**.8862**	**.8696**	**.4362**	**5.929**	**.8537**
Stddev	.7	.68	.01	.07	.0011	.0013	.0011	.013	.0010
%RSD	.2957	.9419	.0362	.5594	.1191	.1536	.2633	.2158	.1197
#1	222.1	71.59	24.09	12.81	.8855	.8686	.4370	5.920	.8544
#2	221.1	72.55	24.10	12.91	.8870	.8705	.4354	5.938	.8530

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.029**	**5.446**	**.0296**	**.0707**	**1.613**	**.0033**	**.0882**
Stddev	.004	.025	.0003	.0002	.014	.0011	.0008
%RSD	.4421	.4628	.9071	.3153	.8586	32.90	.8655
#1	1.026	5.463	.0298	.0706	1.603	.0026	.0877
#2	1.032	5.428	.0295	.0709	1.623	.0041	.0888

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110220.**	**14658.**	**2492.5**	**7147.6**
Stddev	460.	37.	.2	1.0
%RSD	.41753	.25184	.00755	.01362
#1	109890.	14684.	2492.6	7146.9
#2	110550.	14632.	2492.3	7148.3

Zoom In Zoom Out

Sample Name: mp80185-s2 Acquired: 6/20/2014 16:47:20 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.567**	**.0985**	**.0853**	**.9788**	**.8085**	**.6358**	**4.205**	**1.131**	**.0870**
Stddev	.001	.0000	.0005	.0029	.0026	.0056	.028	.005	.0001
%RSD	.0130	.0281	.5890	.2962	.3160	.8734	.6589	.4635	.0954
#1	4.567	.0985	.0850	.9767	.8067	.6319	4.186	1.127	.0869
#2	4.567	.0986	.0857	.9808	.8103	.6397	4.225	1.135	.0870

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.239**	**1.339**	**3.625**	**3.815**	**1.033**	**3.741**	**.3879**	**244.2**	**27.27**
Stddev	.005	.002	.012	.005	.002	.006	.0025	.4	.05
%RSD	.4082	.1556	.3265	.1328	.1948	.1722	.6481	.1672	.1989
#1	1.236	1.337	3.617	3.811	1.032	3.746	.3861	244.5	27.31
#2	1.243	1.340	3.634	3.818	1.034	3.737	.3897	243.9	27.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**233.1**	**69.58**	**24.78**	**12.94**	**.8765**	**.8579**	**.3641**	**4.400**	**.8452**
Stddev	.4	.08	.00	.01	.0034	.0013	.0020	.011	.0039
%RSD	.1572	.1095	.0047	.0888	.3927	.1498	.5448	.2533	.4656
#1	232.8	69.64	24.78	12.95	.8741	.8570	.3627	4.392	.8424
#2	233.3	69.53	24.78	12.93	.8790	.8588	.3655	4.408	.8479

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.040**	**5.875**	**.0238**	**.0838**	**2.042**	**.0019**	**.1042**
Stddev	.002	.040	.0011	.0001	.004	.0011	.0001
%RSD	.2019	.6794	4.698	.0857	.1869	56.62	.1049
#1	1.042	5.847	.0230	.0837	2.045	.0011	.1043
#2	1.039	5.904	.0246	.0838	2.039	.0026	.1041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112070.**	**14862.**	**2535.1**	**7123.4**
Stddev	562.	43.	3.7	21.6
%RSD	.50153	.29138	.14590	.30365
#1	112460.	14893.	2537.7	7138.7
#2	111670.	14832.	2532.5	7108.1

Zoom In Zoom Out

Sample Name: jb69701-6 Acquired: 6/20/2014 16:53:26 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8115**	**.0046**	**-.0001**	**.0752**	**.4240**	**.1810**	**2.952**	**.1879**	**.0013**
Stddev	.0016	.0001	.0001	.0000	.0001	.0009	.005	.0003	.0003
%RSD	.1966	2.066	46.81	.0452	.0345	.5090	.1582	.1663	20.98
#1	.8104	.0047	-.0002	.0752	.4241	.1816	2.955	.1877	.0015
#2	.8126	.0045	-.0001	.0752	.4239	.1803	2.949	.1881	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3107**	**.4033**	**.0277**	**-.0030**	**.0728**	**-.0041**	**.0034**	**136.0**	**13.78**
Stddev	.0003	.0016	.0008	.0016	.0011	.0007	.0001	.1	.02
%RSD	.0977	.4008	2.870	52.03	1.486	16.84	3.050	.0531	.1598
#1	.3105	.4022	.0283	-.0019	.0720	-.0036	.0035	136.0	13.80
#2	.3110	.4044	.0271	-.0042	.0736	-.0045	.0033	135.9	13.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**174.6**	**57.93**	**12.52**	**.8272**	**.0114**	**.0042**	**-.0093**	**3.204**	**.0234**
Stddev	.4	.28	.01	.0043	.0004	.0002	.0000	.011	.0006
%RSD	.2514	.4869	.0925	.5172	3.553	4.062	.0117	.3425	2.352
#1	174.9	58.13	12.51	.8302	.0117	.0043	-.0093	3.212	.0230
#2	174.3	57.73	12.52	.8242	.0111	.0041	-.0093	3.196	.0238

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0642**	**4.443**	**.0026**	**.0455**	**2.582**	**.0034**	**.0768**
Stddev	.0002	.004	.0001	.0001	.002	.0003	.0003
%RSD	.2650	.0838	4.190	.1219	.0603	8.620	.3338
#1	.0643	4.446	.0027	.0456	2.581	.0032	.0767
#2	.0641	4.441	.0025	.0455	2.583	.0036	.0770

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107900.**	**14462.**	**2501.3**	**7149.0**
Stddev	160.	136.	8.1	16.5
%RSD	.14844	.93932	.32582	.23133
#1	107790.	14366.	2507.1	7160.7
#2	108010.	14558.	2495.6	7137.3

Zoom In Zoom Out

Sample Name: mp80185-sd1 Acquired: 6/20/2014 16:59:32 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8108**	**.0042**	**-.0001**	**.0758**	**.4212**	**.1730**	**2.959**	**.1902**	**.0011**
Stddev	.0015	.0003	.0002	.0018	.0045	.0007	.022	.0014	.0002
%RSD	.1792	7.381	200.4	2.352	1.067	.3830	.7498	.7215	16.69
#1	.8097	.0044	.0001	.0745	.4180	.1735	2.943	.1893	.0012
#2	.8118	.0040	-.0003	.0770	.4244	.1726	2.974	.1912	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3053**	**.4439**	**.0295**	**.0012**	**.0729**	**.0031**	**.0057**	**134.0**	**13.99**
Stddev	.0019	.0090	.0019	.0017	.0013	.0085	.0073	.3	.03
%RSD	.6203	2.022	6.585	147.7	1.722	275.3	127.6	.2147	.2357
#1	.3040	.4376	.0309	.0024	.0720	.0091	.0108	134.2	13.97
#2	.3066	.4503	.0282	-.0001	.0738	-.0029	.0006	133.8	14.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.9**	**57.75**	**12.37**	**.9007**	**.0124**	**.0037**	**-.0057**	**3.378**	**.0191**
Stddev	.2	.04	.17	.0105	.0041	.0010	.0017	.039	.0007
%RSD	.1105	.0703	1.389	1.166	33.01	26.02	30.39	1.147	3.553
#1	176.8	57.77	12.25	.9081	.0153	.0044	-.0045	3.350	.0186
#2	177.1	57.72	12.50	.8932	.0095	.0030	-.0069	3.405	.0196

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0644**	**4.338**	**-.0422**	**.0430**	**2.680**	**.0037**	**.0703**
Stddev	.0004	.019	.0040	.0001	.061	.0040	.0015
%RSD	.6669	.4392	9.469	.2030	2.277	108.3	2.157
#1	.0647	4.324	-.0450	.0429	2.637	.0009	.0692
#2	.0641	4.351	-.0393	.0430	2.723	.0065	.0713

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108050.**	**13907.**	**2453.0**	**7385.1**
Stddev	231.	46.	5.2	3.2
%RSD	.21347	.33107	.21030	.04378
#1	108220.	13939.	2456.6	7387.4
#2	107890.	13874.	2449.3	7382.8

Zoom In Zoom Out

Sample Name: jb69700-2 Acquired: 6/20/2014 17:05:43 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.766**	**.0135**	**.2660**	**.1431**	**.2739**	**.2402**	**5.189**	**.2699**	**.0035**
Stddev	.009	.0000	.0014	.0013	.0000	.0013	.020	.0019	.0001
%RSD	.2304	.0270	.5147	.9047	.0171	.5339	.3790	.7105	3.441
#1	3.772	.0135	.2669	.1440	.2738	.2393	5.203	.2713	.0034
#2	3.759	.0135	.2650	.1421	.2739	.2411	5.175	.2686	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3575**	**23.50**	**.1454**	**-.0065**	**.5295**	**-.0159**	**.0053**	**200.2**	**25.74**
Stddev	.0012	.19	.0007	.0005	.0024	.0014	.0001	.4	.06
%RSD	.3458	.7987	.4722	8.349	.4576	8.696	1.248	.2107	.2219
#1	.3584	23.64	.1459	-.0069	.5312	-.0169	.0054	199.9	25.70
#2	.3566	23.37	.1449	-.0061	.5278	-.0150	.0053	200.5	25.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**234.8**	**26.39**	**24.11**	**11.39**	**.0290**	**.0127**	**-.0152**	**3.876**	**.0300**
Stddev	.1	.14	.02	.00	.0011	.0003	.0014	.013	.0005
%RSD	.0385	.5287	.0769	.0269	3.779	2.261	9.287	.3283	1.591
#1	234.9	26.29	24.12	11.40	.0297	.0129	-.0142	3.885	.0304
#2	234.8	26.48	24.10	11.39	.0282	.0125	-.0162	3.867	.0297

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3924**	**.5599**	**.1439**	**.0994**	**9.253**	**-.0009**	**.2710**
Stddev	.0005	.0001	.0012	.0006	.009	.0000	.0004
%RSD	.1275	.0226	.8363	.5930	.1004	4.233	.1449
#1	.3928	.5599	.1447	.0998	9.259	-.0009	.2712
#2	.3920	.5600	.1430	.0990	9.246	-.0010	.2707

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109800.**	**14936.**	**2548.6**	**7149.1**
Stddev	111.	97.	8.4	28.6
%RSD	.10092	.65162	.32942	.40074
#1	109720.	15005.	2542.6	7128.9
#2	109880.	14868.	2554.5	7169.4

Zoom In Zoom Out

Sample Name: jb69700-3 Acquired: 6/20/2014 17:11:52 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.289**	**.0086**	**.0004**	**.0937**	**.2294**	**.1179**	**3.404**	**.2002**	**.0026**
Stddev	.002	.0001	.0002	.0003	.0006	.0006	.001	.0003	.0001
%RSD	.0634	.7393	39.04	.2688	.2785	.4863	.0180	.1687	3.543
#1	2.288	.0087	.0005	.0935	.2298	.1183	3.404	.2000	.0027
#2	2.290	.0086	.0003	.0939	.2289	.1175	3.403	.2004	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2931**	**.6935**	**.0829**	**-.0049**	**.1650**	**-.0127**	**.0037**	**168.1**	**15.21**
Stddev	.0007	.0004	.0013	.0021	.0026	.0002	.0024	.3	.06
%RSD	.2412	.0566	1.557	43.13	1.604	1.400	65.45	.2077	.3614
#1	.2926	.6932	.0820	-.0034	.1631	-.0129	.0020	167.9	15.17
#2	.2936	.6938	.0838	-.0065	.1669	-.0126	.0054	168.4	15.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**248.1**	**31.13**	**17.22**	**7.288**	**.0137**	**.0065**	**-.0123**	**3.280**	**.0241**
Stddev	.5	.08	.00	.009	.0019	.0002	.0006	.007	.0006
%RSD	.2185	.2630	.0272	.1256	13.57	3.478	4.961	.2083	2.368
#1	248.5	31.07	17.23	7.281	.0124	.0063	-.0119	3.275	.0237
#2	247.7	31.19	17.22	7.294	.0150	.0066	-.0127	3.284	.0245

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2830**	**.8184**	**.0055**	**.0966**	**.6897**	**.0005**	**.2167**
Stddev	.0009	.0074	.0013	.0001	.0027	.0017	.0000
%RSD	.3196	.9014	23.11	.0892	.3871	365.2	.0203
#1	.2823	.8236	.0064	.0965	.6915	.0016	.2167
#2	.2836	.8132	.0046	.0967	.6878	-.0007	.2167

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110930.**	**13970.**	**2454.7**	**7283.0**
Stddev	72.	29.	3.5	10.4
%RSD	.06455	.20994	.14201	.14305
#1	110980.	13991.	2457.2	7290.4
#2	110880.	13949.	2452.3	7275.7

Zoom In Zoom Out

Sample Name: jb69700-4 Acquired: 6/20/2014 17:17:59 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.391**	**.0117**	**.1126**	**.1486**	**.2383**	**.1690**	**18.47**	**.2364**	**.0012**
Stddev	.001	.0001	.0005	.0005	.0008	.0002	.05	.0009	.0001
%RSD	.0275	.6909	.4625	.3197	.3271	.0958	.2930	.3951	11.43
#1	2.392	.0117	.1123	.1482	.2389	.1689	18.51	.2358	.0011
#2	2.391	.0118	.1130	.1489	.2378	.1692	18.43	.2371	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3099**	**11.38**	**.1095**	**-.0035**	**.1836**	**-.0135**	**.0051**	**177.4**	**34.49**
Stddev	.0004	.01	.0008	.0006	.0024	.0011	.0002	.1	.01
%RSD	.1279	.1024	.7394	17.28	1.314	8.289	3.255	.0465	.0163
#1	.3102	11.38	.1101	-.0031	.1853	-.0143	.0050	177.4	34.50
#2	.3096	11.39	.1090	-.0039	.1819	-.0127	.0052	177.3	34.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**249.1**	**23.72**	**22.28**	**9.642**	**.0210**	**.0183**	**-.0149**	**3.377**	**.0249**
Stddev	.3	.06	.01	.002	.0010	.0000	.0013	.002	.0012
%RSD	.1154	.2620	.0255	.0182	4.910	.2647	8.668	.0478	4.843
#1	248.9	23.77	22.28	9.641	.0202	.0182	-.0158	3.378	.0240
#2	249.3	23.68	22.29	9.643	.0217	.0183	-.0140	3.376	.0257

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3369**	**.4521**	**.0663**	**.0876**	**4.023**	**.0019**	**.2423**
Stddev	.0000	.0002	.0001	.0001	.004	.0012	.0005
%RSD	.0090	.0428	.0896	.0846	.1126	61.34	.2100
#1	.3369	.4519	.0663	.0877	4.019	.0028	.2419
#2	.3369	.4522	.0664	.0876	4.026	.0011	.2426

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109250.**	**14753.**	**2528.7**	**7139.2**
Stddev	6.	44.	9.2	28.9
%RSD	.00536	.29555	.36199	.40487
#1	109260.	14784.	2535.2	7159.6
#2	109250.	14722.	2522.2	7118.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 17:24:11 Type: QC
Method: Accutest1(v181) 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	**2.045**	**2.043**	**2.032**	**2.030**	**2.059**	**1.988**	**2.099**	**2.075**	**.2476**
Stddev	.001	.001	.002	.002	.000	.007	.001	.003	.0003
%RSD	.0466	.0248	.0980	.1030	.0101	.3599	.0483	.1520	.1409
#1	2.045	2.042	2.030	2.029	2.059	1.983	2.100	2.072	.2478
#2	2.046	2.043	2.033	2.032	2.058	1.993	2.098	2.077	.2473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.079**	**2.026**	**2.154**	**2.083**	**2.022**	**2.016**	**39.34**	**39.70**
Stddev	.001	.002	.000	.013	.002	.001	.003	.05	.06
%RSD	.0687	.0760	.0161	.6174	.0973	.0633	.1297	.1155	.1388
#1	1.999	2.078	2.027	2.163	2.082	2.023	2.014	39.31	39.66
#2	1.997	2.080	2.026	2.145	2.085	2.021	2.018	39.37	39.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.18**	**39.88**	**39.80**	**40.12**	**2.030**	**2.039**	**2.001**	**4.959**	**2.088**
Stddev	.01	.00	.00	.01	.005	.003	.008	.006	.003
%RSD	.0263	.0093	.0001	.0287	.2350	.1431	.4186	.1285	.1187
#1	40.19	39.87	39.80	40.11	2.027	2.037	1.995	4.955	2.090
#2	40.17	39.88	39.80	40.13	2.034	2.041	2.007	4.964	2.086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 17:24:11 Type: QC
Method: Accutest1(v181) 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	**2.044**	**2.052**	**1.933**	**1.998**	**1.976**	**1.984**	**2.013**
Stddev	.003	.003	.016	.001	.011	.001	.004
%RSD	.1247	.1263	.8174	.0527	.5556	.0513	.1754
#1	2.042	2.054	1.922	1.998	1.984	1.983	2.011
#2	2.046	2.050	1.944	1.999	1.969	1.985	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	**102610.**	**13741.**	**2385.4**	**7015.3**
Stddev	28.	9.	1.0	1.4
%RSD	.02772	.06386	.03995	.02041
#1	102630.	13747.	2386.1	7016.3
#2	102590.	13735.	2384.7	7014.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 17:30:15 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**.0000**	**-.0002**	**.0005**	**.0004**	**.0000**
Stddev	.0001	.0001	.0000	.0002	.0002	.0003	.0001	.0001	.0000
%RSD	14.90	18.89	11.55	110.5	412.7	110.6	14.40	35.73	362.9
#1	.0007	.0004	.0002	.0000	.0002	-.0004	.0006	.0003	.0000
#2	.0006	.0003	.0002	.0003	-.0001	.0000	.0005	.0005	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**-.0002**	**.0004**	**-.0009**	**-.0013**	**.0014**	**.0074**	**.0006**
Stddev	.0001	.0002	.0008	.0004	.0003	.0006	.0004	.0039	.0039
%RSD	24.72	85.11	412.5	106.5	37.13	44.50	28.22	52.50	608.9
#1	.0005	.0001	.0004	.0007	-.0011	-.0017	.0011	.0102	-.0021
#2	.0003	.0004	-.0008	.0001	-.0006	-.0009	.0017	.0047	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0117**	**.0011**	**.0175**	**.0133**	**.0018**	**.0018**	**.0012**	**.0010**	**-.0002**
Stddev	.0007	.0060	.0109	.0031	.0004	.0001	.0000	.0002	.0000
%RSD	5.931	552.9	62.21	23.25	24.69	7.164	2.880	23.56	5.701
#1	.0122	-.0032	.0098	.0155	.0021	.0019	.0012	.0011	-.0002
#2	.0112	.0053	.0251	.0111	.0015	.0017	.0011	.0008	-.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: 6/20/2014 17:30:15 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0002**	**.0084**	**.0009**	**.0002**	**-.0001**	**-.0001**
Stddev	.0001	.0002	.0009	.0001	.0027	.0004	.0000
%RSD	16.75	100.0	10.43	10.48	1260.	300.1	11.45
#1	.0005	.0004	.0090	.0009	-.0017	.0001	-.0001
#2	.0004	.0001	.0078	.0010	.0021	-.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109020.**	**13605.**	**2474.6**	**7680.5**
Stddev	112.	4.	.1	6.9
%RSD	.10301	.02865	.00473	.08939
#1	109100.	13602.	2474.7	7685.4
#2	108940.	13608.	2474.5	7675.7

Zoom In Zoom Out

Sample Name: jb69701-1 Acquired: 6/20/2014 17:36:34 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4815**	**.0042**	**-.0002**	**.0342**	**.2052**	**.0541**	**1.292**	**.1092**	**.0000**
Stddev	.0000	.0001	.0000	.0004	.0004	.0002	.001	.0001	.000
%RSD	.0102	1.724	10.68	1.127	.2020	.3686	.0555	.0601	284.0
#1	.4815	.0042	-.0001	.0339	.2049	.0542	1.291	.1092	.0000
#2	.4815	.0041	-.0002	.0345	.2055	.0539	1.292	.1093	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2491**	**.2278**	**.0362**	**.0003**	**.0924**	**-.0040**	**.0015**	**240.5**	**14.53**
Stddev	.0003	.0004	.0006	.0002	.0008	.0016	.0013	.3	.06
%RSD	.1005	.1540	1.564	74.44	.8966	39.87	86.90	.1262	.4101
#1	.2489	.2280	.0358	.0004	.0930	-.0029	.0006	240.8	14.57
#2	.2493	.2275	.0366	.0001	.0918	-.0051	.0025	240.3	14.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**140.0**	**12.08**	**5.454**	**1.075**	**.0082**	**.0073**	**-.0104**	**2.661**	**.0234**
Stddev	.1	.03	.025	.005	.0002	.0003	.0001	.012	.0008
%RSD	.0519	.2810	.4573	.4750	1.843	4.462	.9166	.4391	3.218
#1	140.1	12.11	5.437	1.071	.0081	.0075	-.0105	2.652	.0228
#2	140.0	12.06	5.472	1.078	.0083	.0070	-.0104	2.669	.0239

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0781**	**2.158**	**.0086**	**.0865**	**1.669**	**.0009**	**.0951**
Stddev	.0001	.000	.0003	.0006	.006	.0012	.0001
%RSD	.1846	.0195	3.685	.6835	.3373	136.8	.0611
#1	.0782	2.158	.0088	.0860	1.665	.0000	.0950
#2	.0780	2.158	.0084	.0869	1.673	.0018	.0951

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104930.**	**14050.**	**2459.6**	**7153.2**
Stddev	145.	19.	7.4	16.9
%RSD	.13807	.13672	.30117	.23566
#1	105040.	14036.	2464.9	7165.2
#2	104830.	14063.	2454.4	7141.3

Zoom In Zoom Out

Sample Name: jb69701-2 Acquired: 6/20/2014 17:42:42 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4614**	**.0047**	**.0006**	**.0332**	**.1326**	**.0439**	**1.200**	**.0751**	**.0008**
Stddev	.0005	.0000	.0001	.0003	.0002	.0004	.001	.0004	.0000
%RSD	.0976	.3363	21.64	.9439	.1692	.8675	.0406	.5434	3.088
#1	.4618	.0047	.0005	.0335	.1328	.0441	1.200	.0748	.0008
#2	.4611	.0047	.0007	.0330	.1325	.0436	1.200	.0754	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2000**	**.2452**	**.0302**	**-.0031**	**.1232**	**-.0013**	**.0016**	**110.4**	**8.222**
Stddev	.0000	.0000	.0006	.0011	.0003	.0000	.0018	.0	.017
%RSD	.0077	.0170	2.094	35.64	.2522	3.676	116.2	.0217	.2026
#1	.2000	.2451	.0298	-.0039	.1230	-.0013	.0029	110.4	8.233
#2	.2000	.2452	.0307	-.0023	.1235	-.0013	.0003	110.4	8.210

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.62**	**13.21**	**4.955**	**.6643**	**.0111**	**.0037**	**-.0087**	**3.196**	**.0178**
Stddev	.14	.03	.013	.0025	.0002	.0002	.0000	.020	.0001
%RSD	.1574	.2421	.2576	.3809	1.691	4.575	.3561	.6267	.6555
#1	90.72	13.18	4.946	.6661	.0112	.0036	-.0087	3.210	.0178
#2	90.52	13.23	4.964	.6625	.0110	.0038	-.0087	3.182	.0179

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0454**	**2.257**	**-.0032**	**.0297**	**1.044**	**-.0022**	**.0595**
Stddev	.0000	.000	.0003	.0002	.005	.0005	.0001
%RSD	.1079	.0095	10.64	.7724	.4564	22.29	.1888
#1	.0453	2.257	-.0029	.0298	1.041	-.0025	.0594
#2	.0454	2.257	-.0034	.0295	1.048	-.0018	.0596

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**115590.**	**14268.**	**2559.7**	**7400.6**
Stddev	31.	11.	4.6	19.3
%RSD	.02656	.07475	.17855	.26113
#1	115570.	14261.	2563.0	7414.2
#2	115610.	14276.	2556.5	7386.9

Zoom In Zoom Out

Sample Name: jb69701-3 Acquired: 6/20/2014 17:48:50 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4965**	**.0055**	**.0002**	**.0332**	**.1307**	**.0437**	**1.095**	**.0802**	**.0001**
Stddev	.0001	.0000	.0001	.0002	.0004	.0005	.005	.0004	.0000
%RSD	.0148	.3254	27.16	.5686	.3421	1.050	.4286	.4973	8.231
#1	.4965	.0055	.0003	.0333	.1303	.0441	1.092	.0799	.0001
#2	.4966	.0054	.0002	.0330	.1310	.0434	1.098	.0804	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2104**	**.2573**	**.0341**	**-.0015**	**.1263**	**.0004**	**.0017**	**113.3**	**7.243**
Stddev	.0002	.0002	.0000	.0007	.0002	.0033	.0008	.2	.017
%RSD	.0884	.0721	.1028	47.23	.1917	839.2	47.17	.2110	.2318
#1	.2102	.2571	.0341	-.0020	.1261	-.0020	.0023	113.4	7.255
#2	.2105	.2574	.0341	-.0010	.1264	.0027	.0011	113.1	7.231

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**94.16**	**11.83**	**4.499**	**.3070**	**.0141**	**.0033**	**-.0115**	**2.987**	**.0201**
Stddev	.17	.04	.032	.0037	.0006	.0001	.0009	.043	.0002
%RSD	.1766	.3227	.7151	1.190	4.269	2.180	7.826	1.439	1.046
#1	94.04	11.86	4.521	.3044	.0145	.0033	-.0121	3.018	.0202
#2	94.28	11.81	4.476	.3096	.0137	.0032	-.0108	2.957	.0199

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0421**	**2.437**	**-.0045**	**.0265**	**1.179**	**-.0022**	**.0619**
Stddev	.0000	.008	.0013	.0001	.008	.0009	.0001
%RSD	.0661	.3140	29.53	.2138	.6526	39.84	.0965
#1	.0421	2.432	-.0054	.0264	1.173	-.0028	.0619
#2	.0421	2.442	-.0035	.0265	1.184	-.0016	.0620

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110660.**	**14592.**	**2572.1**	**7262.6**
Stddev	597.	23.	7.5	21.5
%RSD	.53958	.15565	.28978	.29541
#1	111090.	14608.	2577.4	7277.7
#2	110240.	14576.	2566.8	7247.4

Zoom In Zoom Out

Sample Name: jb69701-4 Acquired: 6/20/2014 17:54:58 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6253**	**.0060**	**-.0001**	**.0413**	**.1424**	**.0499**	**1.866**	**.0854**	**.0000**
Stddev	.0001	.0000	.0002	.0004	.0005	.0002	.004	.0005	.0005
%RSD	.0108	.8301	267.3	1.036	.3529	.3997	.2073	.5664	2122.
#1	.6252	.0061	.0001	.0416	.1421	.0498	1.869	.0851	-.0004
#2	.6253	.0060	-.0002	.0410	.1428	.0500	1.863	.0857	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2146**	**.2600**	**.0365**	**-.0002**	**.1064**	**-.0002**	**-.0002**	**119.4**	**5.251**
Stddev	.0002	.0001	.0003	.0001	.0008	.0005	.0013	.1	.004
%RSD	.1086	.0216	.7040	53.97	.7507	271.0	651.0	.0967	.0681
#1	.2147	.2600	.0367	-.0001	.1058	-.0005	-.0012	119.5	5.253
#2	.2144	.2599	.0364	-.0003	.1070	.0002	.0007	119.3	5.248

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**111.6**	**12.98**	**5.312**	**.2710**	**.0160**	**.0035**	**-.0120**	**2.683**	**.0199**
Stddev	.0	.03	.027	.0069	.0011	.0000	.0006	.008	.0013
%RSD	.0417	.2665	.5034	2.552	6.726	.4340	5.053	.2915	6.695
#1	111.6	12.95	5.331	.2661	.0168	.0035	-.0124	2.678	.0208
#2	111.7	13.00	5.293	.2759	.0152	.0035	-.0115	2.689	.0189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0451**	**2.832**	**-.0046**	**.0332**	**.7972**	**-.0019**	**.0719**
Stddev	.0002	.008	.0006	.0000	.0012	.0001	.0009
%RSD	.5159	.2708	12.96	.0759	.1550	4.595	1.209
#1	.0450	2.838	-.0050	.0331	.7981	-.0019	.0726
#2	.0453	2.827	-.0042	.0332	.7963	-.0020	.0713

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110680.**	**14866.**	**2608.7**	**7259.9**
Stddev	43.	10.	6.6	11.2
%RSD	.03873	.06608	.25385	.15477
#1	110650.	14859.	2613.3	7267.8
#2	110710.	14873.	2604.0	7251.9

Zoom In Zoom Out

Sample Name: jb69701-5 Acquired: 6/20/2014 18:01:04 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5708**	**.0050**	**-.0001**	**.0473**	**.1624**	**.0585**	**1.804**	**.1001**	**-.0002**
Stddev	.0001	.0000	.0004	.0002	.0004	.0005	.003	.0001	.0004
%RSD	.0229	.5983	263.1	.3242	.2718	.7859	.1478	.1243	166.9
#1	.5709	.0050	.0001	.0474	.1627	.0588	1.802	.1000	.0000
#2	.5707	.0050	-.0004	.0472	.1621	.0582	1.806	.1002	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2318**	**.2828**	**.0332**	**-.0009**	**.0833**	**-.0019**	**.0002**	**153.2**	**6.646**
Stddev	.0001	.0000	.0006	.0005	.0001	.0010	.0010	.2	.006
%RSD	.0547	.0158	1.907	57.31	.1664	54.04	400.4	.1150	.0914
#1	.2317	.2828	.0328	-.0005	.0834	-.0012	-.0004	153.1	6.642
#2	.2319	.2828	.0337	-.0012	.0832	-.0026	.0009	153.3	6.650

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**129.3**	**14.16**	**5.828**	**.3516**	**.0162**	**.0037**	**-.0113**	**2.756**	**.0193**
Stddev	.2	.04	.009	.0024	.0006	.0001	.0004	.012	.0010
%RSD	.1199	.2627	.1576	.6922	3.794	2.705	3.568	.4241	5.424
#1	129.2	14.14	5.822	.3533	.0158	.0037	-.0110	2.764	.0201
#2	129.4	14.19	5.835	.3499	.0167	.0036	-.0115	2.747	.0186

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0491**	**3.259**	**-.0019**	**.0618**	**.7217**	**-.0007**	**.0711**
Stddev	.0000	.008	.0016	.0002	.0040	.0007	.0003
%RSD	.0388	.2458	84.10	.2495	.5489	87.75	.3635
#1	.0491	3.254	-.0031	.0617	.7189	-.0003	.0713
#2	.0491	3.265	-.0008	.0619	.7245	-.0012	.0710

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108500.**	**14593.**	**2568.9**	**7347.9**
Stddev	161.	129.	2.8	9.8
%RSD	.14863	.88608	.10960	.13295
#1	108620.	14684.	2570.9	7354.8
#2	108390.	14502.	2566.9	7341.0

Zoom In Zoom Out

Sample Name: jb69701-7 Acquired: 6/20/2014 18:07:11 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4044**	**.0061**	**-.0005**	**.0622**	**.2053**	**.0783**	**1.944**	**.1132**	**.0000**
Stddev	.0011	.0000	.0003	.0003	.0002	.0001	.003	.0002	.000
%RSD	.2662	.2932	48.56	.4580	.0784	.1210	.1292	.1654	2403.
#1	.4037	.0061	-.0007	.0620	.2052	.0782	1.942	.1133	.0001
#2	.4052	.0061	-.0003	.0624	.2054	.0784	1.946	.1131	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3271**	**.2971**	**.0490**	**-.0051**	**.0843**	**-.0036**	**.0022**	**154.3**	**6.905**
Stddev	.0000	.0002	.0007	.0010	.0010	.0009	.0014	.1	.002
%RSD	.0019	.0642	1.417	20.51	1.178	25.54	60.65	.0911	.0296
#1	.3271	.2973	.0495	-.0058	.0836	-.0043	.0032	154.2	6.904
#2	.3271	.2970	.0485	-.0043	.0850	-.0030	.0013	154.4	6.907

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**190.5**	**23.39**	**10.33**	**.3199**	**.0321**	**.0053**	**-.0165**	**2.909**	**.0232**
Stddev	.3	.07	.01	.0040	.0014	.0003	.0002	.012	.0001
%RSD	.1581	.3074	.1318	1.238	4.449	6.287	1.017	.4115	.2501
#1	190.7	23.44	10.32	.3227	.0331	.0055	-.0164	2.917	.0232
#2	190.3	23.34	10.34	.3171	.0311	.0050	-.0166	2.900	.0233

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0688**	**5.659**	**-.0003**	**.1084**	**.2434**	**-.0018**	**.1111**
Stddev	.0002	.004	.0007	.0007	.0015	.0008	.0001
%RSD	.2753	.0728	216.0	.6331	.6059	42.86	.1285
#1	.0690	5.656	-.0008	.1079	.2445	-.0023	.1112
#2	.0687	5.662	.0002	.1089	.2424	-.0012	.1110

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106150.**	**14161.**	**2465.8**	**7204.9**
Stddev	193.	56.	.5	1.1
%RSD	.18177	.39887	.02058	.01579
#1	106280.	14121.	2465.5	7205.7
#2	106010.	14201.	2466.2	7204.1

Zoom In Zoom Out

Sample Name: jb69701-8 Acquired: 6/20/2014 18:13:19 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6265**	**.0057**	**-.0003**	**.0479**	**.1878**	**.0726**	**1.318**	**.1157**	**-.0008**
Stddev	.0013	.0001	.0001	.0003	.0001	.0008	.002	.0004	.0004
%RSD	.2099	1.452	26.97	.5467	.0631	1.068	.1535	.3304	46.38
#1	.6256	.0057	-.0002	.0478	.1879	.0720	1.319	.1155	-.0011
#2	.6274	.0056	-.0003	.0481	.1877	.0731	1.316	.1160	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2758**	**.2820**	**.0387**	**-.0002**	**.0889**	**-.0045**	**.0016**	**244.7**	**7.281**
Stddev	.0010	.0009	.0001	.0021	.0003	.0000	.0012	.8	.028
%RSD	.3777	.3030	.3740	1084.	.3580	.5455	73.90	.3279	.3794
#1	.2766	.2814	.0388	-.0017	.0892	-.0045	.0008	244.1	7.261
#2	.2751	.2826	.0386	.0013	.0887	-.0045	.0024	245.2	7.300

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**151.1**	**14.78**	**6.653**	**.3740**	**.0171**	**.0053**	**-.0125**	**2.964**	**.0223**
Stddev	.1	.09	.009	.0004	.0004	.0001	.0006	.017	.0006
%RSD	.0491	.6260	.1358	.1137	2.159	1.729	5.098	.5585	2.678
#1	151.1	14.71	6.659	.3737	.0174	.0052	-.0130	2.976	.0219
#2	151.2	14.85	6.647	.3743	.0168	.0053	-.0121	2.953	.0227

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0580**	**3.798**	**-.0017**	**.0963**	**.4715**	**.0003**	**.0846**
Stddev	.0004	.014	.0009	.0004	.0017	.0003	.0006
%RSD	.7341	.3662	51.06	.4675	.3658	86.96	.6981
#1	.0577	3.808	-.0024	.0959	.4727	.0001	.0850
#2	.0583	3.788	-.0011	.0966	.4703	.0005	.0842

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105590.**	**14277.**	**2486.4**	**7129.2**
Stddev	331.	10.	7.4	15.5
%RSD	.31348	.06872	.29799	.21716
#1	105360.	14270.	2491.6	7140.1
#2	105820.	14284.	2481.1	7118.2

Zoom In Zoom Out

Sample Name: jb69708-1 Acquired: 6/20/2014 18:19:26 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.270**	**-.0004**	**.0409**	**1.029**	**1.457**	**.2192**	**.7708**	**.0616**	**-.0005**
Stddev	.004	.0002	.0003	.002	.020	.0029	.0116	.0001	.0002
%RSD	.1844	57.96	.6302	.1827	1.380	1.318	1.511	.1298	34.24
#1	2.267	-.0002	.0407	1.028	1.471	.2212	.7791	.0616	-.0006
#2	2.273	-.0005	.0411	1.031	1.443	.2171	.7626	.0617	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0973**	**103.1**	**.0375**	**-.0003**	**22.61**	**-.1083**	**.0197**	**51.35**	**509.5**
Stddev	.0020	.4	.0002	.0002	.01	.0030	.0003	.20	6.9
%RSD	2.019	.4007	.6420	92.85	.0655	2.792	1.380	.3984	1.361
#1	.0987	103.4	.0376	-.0001	22.60	-.1061	.0199	51.20	504.6
#2	.0959	102.8	.0373	-.0004	22.62	-.1104	.0195	51.49	514.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**64.79**	**55.37**	**2.662**	**3.425**	**.1840**	**.0179**	**-.1520**	**5.620**	**.0410**
Stddev	.23	.49	.002	.021	.0003	.0001	.0022	.003	.0012
%RSD	.3536	.8933	.0613	.6199	.1832	.3754	1.447	.0514	2.818
#1	64.63	55.02	2.661	3.410	.1838	.0179	-.1536	5.622	.0401
#2	64.95	55.72	2.664	3.440	.1842	.0178	-.1505	5.618	.0418

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.035**	**10.72**	**1.215**	**2.047**	**280.9**	**.0155**	**.1172**
Stddev	.003	.18	.001	.030	1.5	.0009	.0002
%RSD	.2984	1.633	.0937	1.484	.5426	5.940	.2005
#1	1.033	10.84	1.214	2.068	279.8	.0161	.1171
#2	1.037	10.60	1.216	2.026	282.0	.0148	.1174

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99322.**	**13271.**	**2252.0**	**6537.1**
Stddev	1463.	104.	.1	1.6
%RSD	1.4727	.78243	.00285	.02505
#1	98287.	13344.	2251.9	6538.3
#2	100360.	13197.	2252.0	6536.0

Zoom In Zoom Out

Sample Name: jb69708-2 Acquired: 6/20/2014 18:25:41 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**7.350**	**-.0008**	**.1170**	**1.350**	**2.156**	**.2359**	**1.490**	**.0719**	**-.0001**
Stddev	.054	.0001	.0012	.009	.000	.0011	.002	.0006	.0007
%RSD	.7335	7.183	.9962	.6443	.0024	.4653	.1273	.7939	537.7
#1	7.312	-.0009	.1162	1.344	2.156	.2366	1.488	.0715	.0003
#2	7.388	-.0008	.1178	1.356	2.156	.2351	1.491	.0723	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1558**	**166.9**	**.0609**	**-.0009**	**24.98**	**-.3194**	**.0344**	**42.32**	**711.0**
Stddev	.0006	.6	.0001	.0004	.17	.0059	.0007	.04	10.9
%RSD	.3721	.3335	.1839	47.60	.6786	1.858	2.039	.0973	1.531
#1	.1554	167.3	.0608	-.0012	24.86	-.3152	.0339	42.29	703.3
#2	.1562	166.5	.0610	-.0006	25.10	-.3236	.0349	42.34	718.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.48**	**90.09**	**3.510**	**7.777**	**.2784**	**.0281**	**-.1436**	**9.463**	**.0453**
Stddev	.10	.34	.004	.007	.0038	.0004	.0007	.127	.0001
%RSD	.1287	.3769	.1221	.0877	1.358	1.572	.5064	1.346	.1147
#1	74.42	89.85	3.507	7.772	.2757	.0278	-.1441	9.373	.0453
#2	74.55	90.33	3.513	7.782	.2811	.0284	-.1431	9.553	.0453

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.367**	**11.72**	**3.589**	**1.909**	**513.8**	**.0190**	**.1468**
Stddev	.002	.03	.050	.000	3.3	.0002	.0013
%RSD	.1199	.2239	1.403	.0120	.6410	1.123	.9194
#1	1.369	11.70	3.554	1.909	511.4	.0192	.1458
#2	1.366	11.74	3.625	1.909	516.1	.0189	.1477

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97335.**	**13411.**	**2153.0**	**6285.5**
Stddev	267.	101.	16.6	36.5
%RSD	.27471	.75532	.76973	.58056
#1	97524.	13483.	2164.7	6311.3
#2	97146.	13340.	2141.3	6259.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 18:32:04 Type: QC
Method: Accutest1(v181) 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	**2.051**	**2.041**	**2.020**	**2.017**	**2.058**	**1.966**	**2.046**	**2.055**	**.2420**
Stddev	.002	.002	.004	.002	.001	.002	.002	.000	.0010
%RSD	.0865	.1189	.2162	.1087	.0440	.0760	.0889	.0006	.3926
#1	2.050	2.042	2.017	2.016	2.057	1.965	2.044	2.055	.2413
#2	2.053	2.039	2.024	2.019	2.058	1.967	2.047	2.055	.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	**1.979**	**2.078**	**2.015**	**2.113**	**2.071**	**2.013**	**2.025**	**40.07**	**40.47**
Stddev	.002	.002	.003	.009	.002	.003	.003	.09	.22
%RSD	.1198	.1136	.1480	.4469	.0777	.1420	.1438	.2359	.5464
#1	1.977	2.079	2.013	2.106	2.073	2.011	2.023	40.14	40.63
#2	1.980	2.076	2.017	2.120	2.070	2.015	2.027	40.01	40.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.68**	**40.77**	**40.03**	**40.76**	**2.029**	**2.039**	**1.953**	**4.991**	**2.062**
Stddev	.14	.34	.11	.05	.003	.005	.005	.010	.004
%RSD	.3511	.8448	.2806	.1138	.1561	.2695	.2510	.2025	.1950
#1	39.77	41.01	40.11	40.80	2.027	2.035	1.950	4.983	2.059
#2	39.58	40.52	39.95	40.73	2.031	2.043	1.956	4.998	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: 6/20/2014 18:32:04 Type: QC
Method: Accutest1(v181) 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	**2.079**	**1.999**	**1.938**	**2.003**	**1.982**	**1.991**	**2.008**
Stddev	.001	.003	.014	.002	.004	.005	.000
%RSD	.0616	.1343	.7270	.0822	.1843	.2472	.0051
#1	2.078	1.997	1.928	2.002	1.985	1.987	2.008
#2	2.080	2.001	1.948	2.004	1.980	1.994	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105210.**	**13790.**	**2392.3**	**7063.9**
Stddev	168.	137.	4.4	8.2
%RSD	.15980	.99671	.18326	.11650
#1	105330.	13693.	2395.4	7069.7
#2	105090.	13887.	2389.2	7058.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 18:38:07 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**.0003**	**.0000**	**.0002**	**.0002**	**.0005**	**.0003**	**-.0001**
Stddev	.0004	.0000	.0001	.0002	.0000	.0000	.0000	.0001	.0000
%RSD	72.92	7.334	33.70	4460.	5.707	3.527	7.739	42.45	22.69
#1	.0003	.0002	.0004	.0002	.0003	.0002	.0005	.0003	-.0001
#2	.0008	.0002	.0002	-.0002	.0002	.0002	.0004	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0018**	**.0004**	**.0011**	**.0006**	**.0018**	**.0009**	**.0055**	**.0056**
Stddev	.0002	.0003	.0011	.0002	.0003	.0005	.0001	.0035	.0004
%RSD	49.26	15.61	249.5	17.19	54.65	29.80	6.612	64.33	6.780
#1	.0007	.0020	-.0003	.0010	.0004	.0021	.0010	.0030	.0058
#2	.0003	.0016	.0012	.0013	.0008	.0014	.0009	.0079	.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	**.0061**	**-.0341**	**.0282**	**.0020**	**.0014**	**.0019**	**.0017**	**.0020**	**-.0001**
Stddev	.0008	.0121	.0015	.0060	.0006	.0004	.0003	.0001	.0010
%RSD	12.34	35.49	5.361	299.2	40.65	18.89	17.93	5.329	1623.
#1	.0067	-.0426	.0293	.0062	.0018	.0022	.0014	.0019	-.0008
#2	.0056	-.0255	.0272	-.0022	.0010	.0017	.0019	.0021	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 18:38:07 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0055**	F **.0010**	**.0051**	**-.0004**	**.0008**
Stddev	.0001	.0002	.0008	.0001	.0000	.0002	.0002
%RSD	41.93	70.74	14.16	8.237	.2471	59.82	19.37
#1	.0004	.0004	.0061	.0010	.0051	-.0006	.0007
#2	.0002	.0001	.0050	.0011	.0051	-.0002	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109630.**	**13717.**	**2469.3**	**7675.3**
Stddev	317.	39.	1.1	3.0
%RSD	.28950	.28309	.04454	.03864
#1	109860.	13689.	2470.1	7673.2
#2	109410.	13744.	2468.5	7677.4

Zoom In Zoom Out

Sample Name: jb69708-3 Acquired: 6/20/2014 18:44:26 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.343**	**-.0008**	**.3775**	**.6433**	**12.16**	**.2470**	**2.453**	**.0261**	**.0048**
Stddev	.005	.0001	.0001	.0005	.01	.0003	.001	.0003	.0001
%RSD	.2008	9.297	.0303	.0727	.1026	.1341	.0549	1.278	1.941
#1	2.340	-.0008	.3775	.6430	12.15	.2468	2.454	.0259	.0049
#2	2.346	-.0009	.3776	.6436	12.17	.2472	2.452	.0264	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2368**	**222.3**	**.1842**	**.0150**	**79.77**	**-.8905**	**.1691**	**10.25**	**692.2**
Stddev	.0005	1.2	.0003	.0004	.05	.0025	.0015	.00	2.5
%RSD	.2168	.5174	.1659	2.362	.0569	.2804	.8729	.0041	.3589
#1	.2371	221.5	.1840	.0148	79.80	-.8923	.1701	10.25	694.0
#2	.2364	223.1	.1844	.0153	79.74	-.8888	.1681	10.25	690.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**82.13**	**75.03**	**3.632**	**9.344**	**.2473**	**.0552**	**-.0232**	**3.766**	**.0450**
Stddev	.12	.32	.002	.022	.0008	.0002	.0001	.002	.0005
%RSD	.1441	.4312	.0552	.2361	.3318	.4167	.2846	.0579	1.059
#1	82.21	75.26	3.633	9.360	.2479	.0553	-.0232	3.768	.0446
#2	82.05	74.80	3.630	9.329	.2468	.0550	-.0231	3.765	.0453

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.282**	**8.544**	**9.910**	**.0880**	**450.6**	**.0357**	**.1053**
Stddev	.001	.044	.012	.0011	.1	.0002	.0008
%RSD	.0854	.5195	.1243	1.241	.0305	.6183	.7325
#1	1.283	8.576	9.919	.0888	450.7	.0355	.1047
#2	1.282	8.513	9.901	.0872	450.5	.0358	.1058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94804.**	**13478.**	**2093.2**	**6276.4**
Stddev	64.	46.	3.2	6.8
%RSD	.06803	.33797	.15094	.10804
#1	94758.	13446.	2095.4	6281.2
#2	94849.	13511.	2091.0	6271.6

Zoom In Zoom Out

Sample Name: jb69708-4 Acquired: 6/20/2014 18:50:42 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.126**	**-.0124**	**.0091**	**2.704**	**214.6**	**.1473**	**1.516**	**.0561**	**.0154**
Stddev	.000	.0001	.0007	.009	1.3	.0003	.005	.0003	.0004
%RSD	.0114	1.125	7.321	.3516	.5913	.2073	.3345	.5619	2.542
#1	1.126	-.0125	.0087	2.697	215.5	.1471	1.520	.0563	.0156
#2	1.126	-.0123	.0096	2.711	213.7	.1475	1.513	.0558	.0151

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**168.5**	**.0683**	**.0022**	**980.3**	**-.0755**	**4.812**	**40.42**	**640.3**
Stddev	-----	4.9	.0006	.0021	9.2	.0021	.183	.09	1.8
%RSD	-----	2.920	.9115	93.43	.9394	2.792	3.804	.2107	.2747
#1	-----	165.0	.0679	.0037	973.7	-.0740	4.683	40.36	639.0
#2	-----	172.0	.0688	.0008	986.8	-.0770	4.942	40.48	641.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.22**	**147.9**	**5.293**	**7.859**	**.6044**	**1.020**	**-.3434**	**8.521**	**.0014**
Stddev	.02	.4	.048	.009	.0007	.009	.0011	.021	.0000
%RSD	.1026	.2425	.9086	.1127	.1179	.8451	.3100	.2472	1.752
#1	23.24	147.7	5.327	7.853	.6049	1.014	-.3442	8.536	.0014
#2	23.20	148.2	5.259	7.865	.6039	1.026	-.3427	8.506	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.203**	**12.40**	**3.641**	**2.925**	**92.85**	**.6718**	**.1807**
Stddev	.001	.02	.044	.003	.64	.0065	.0004
%RSD	.0812	.1938	1.200	.0993	.6942	.9675	.1994
#1	1.203	12.42	3.610	2.923	92.40	.6672	.1805
#2	1.204	12.38	3.672	2.927	93.31	.6764	.1810

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101260.**	**13258.**	**1107.1**	**6294.0**
Stddev	588.	3.	7.3	12.3
%RSD	.58021	.02311	.66162	.19528
#1	100840.	13261.	1112.2	6285.3
#2	101670.	13256.	1101.9	6302.7

Zoom In Zoom Out

Sample Name: jb69708-5 Acquired: 6/20/2014 18:57:03 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.786**	**-.0006**	**.1847**	**.5352**	**33.33**	**.3537**	**3.911**	**.0316**	**.0049**
Stddev	.004	.0000	.0010	.0022	.07	.0005	.014	.0005	.0001
%RSD	.2515	5.890	.5429	.4087	.2154	.1538	.3501	1.502	2.356
#1	1.783	-.0006	.1840	.5336	33.28	.3533	3.901	.0312	.0048
#2	1.789	-.0006	.1855	.5367	33.38	.3541	3.921	.0319	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4665**	**230.5**	**.2923**	**.0298**	**208.6**	**-.9507**	**.3527**	**12.83**	**436.8**
Stddev	.0014	1.3	.0000	.0010	.2	.0011	.0002	.02	1.8
%RSD	.2996	.5787	.0061	3.454	.0820	.1176	.0575	.1929	.4166
#1	.4655	229.5	.2922	.0291	208.5	-.9499	.3525	12.85	438.1
#2	.4675	231.4	.2923	.0306	208.7	-.9515	.3528	12.81	435.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.80**	**155.2**	**5.267**	**24.52**	**.3410**	**.0658**	**-.0157**	**2.726**	**.0694**
Stddev	.01	.5	.040	.02	.0020	.0001	.0005	.005	.0012
%RSD	.0157	.3140	.7649	.0759	.5786	.1755	3.477	.1949	1.772
#1	90.81	155.5	5.295	24.53	.3396	.0657	-.0153	2.722	.0685
#2	90.78	154.8	5.238	24.50	.3424	.0659	-.0161	2.730	.0702

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8874**	**7.038**	**10.49**	**.0912**	**407.6**	**.0761**	**.1732**
Stddev	.0011	.017	.01	.0007	.2	.0016	.0011
%RSD	.1197	.2410	.0828	.8223	.0613	2.066	.6357
#1	.8882	7.026	10.49	.0917	407.4	.0772	.1725
#2	.8867	7.050	10.50	.0907	407.8	.0750	.1740

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100740.**	**13575.**	**2098.9**	**6501.9**
Stddev	335.	62.	5.8	18.0
%RSD	.33272	.45552	.27477	.27726
#1	100980.	13531.	2102.9	6514.7
#2	100510.	13619.	2094.8	6489.2

Zoom In Zoom Out

Sample Name: jb69708-6 Acquired: 6/20/2014 19:03:24 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.472**	**-.0009**	**1.090**	**.7394**	**3.193**	**.3883**	**.7657**	**.0354**	**.0068**
Stddev	.004	.0000	.004	.0002	.008	.0001	.0024	.0003	.0002
%RSD	.1813	3.034	.3245	.0232	.2618	.0186	.3154	.7245	3.095
#1	2.476	-.0009	1.088	.7395	3.187	.3883	.7640	.0356	.0067
#2	2.469	-.0009	1.093	.7393	3.199	.3882	.7674	.0352	.0069

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0776**	**203.9**	**.0438**	**.0134**	**24.88**	**-.7519**	**.0155**	**345.5**	**292.9**
Stddev	.0006	1.9	.0012	.0004	.02	.0010	.0018	4.6	1.8
%RSD	.7841	.9300	2.759	3.251	.0799	.1368	11.38	1.335	.6021
#1	.0772	205.3	.0430	.0131	24.87	-.7512	.0143	348.7	294.1
#2	.0781	202.6	.0447	.0137	24.89	-.7527	.0168	342.2	291.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.20**	**22.06**	**2.600**	**2.519**	**.2911**	**.0472**	**-.1098**	**3.013**	**.0401**
Stddev	.02	.06	.011	.001	.0017	.0002	.0006	.008	.0012
%RSD	.1110	.2634	.4337	.0512	.6005	.4069	.5544	.2550	2.976
#1	17.22	22.10	2.608	2.518	.2898	.0470	-.1102	3.007	.0409
#2	17.19	22.01	2.592	2.520	.2923	.0473	-.1094	3.018	.0392

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5833**	**8.123**	**8.423**	**1.540**	**232.6**	**.0143**	**.0570**
Stddev	.0010	.063	.035	.002	1.4	.0031	.0001
%RSD	.1707	.7714	.4163	.1544	.6202	21.95	.2205
#1	.5840	8.079	8.398	1.538	231.5	.0121	.0569
#2	.5826	8.167	8.448	1.542	233.6	.0165	.0571

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99932.**	**13895.**	**2322.6**	**6575.6**
Stddev	410.	2.	2.8	5.3
%RSD	.40989	.01251	.11873	.08009
#1	100220.	13894.	2324.5	6579.3
#2	99642.	13896.	2320.6	6571.9

Zoom In Zoom Out

Sample Name: jb69708-7 Acquired: 6/20/2014 19:09:46 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.361**	**-.0010**	**1.417**	**1.335**	**3.023**	**.4620**	**.8741**	**.0317**	**.0049**
Stddev	.007	.0001	.002	.001	.010	.0003	.0013	.0000	.0002
%RSD	.1958	9.796	.1088	.0954	.3320	.0714	.1477	.0253	3.204
#1	3.365	-.0009	1.415	1.336	3.030	.4617	.8750	.0317	.0047
#2	3.356	-.0011	1.418	1.334	3.016	.4622	.8731	.0317	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1194**	**205.6**	**.0432**	**.0064**	**22.62**	**-.7265**	**.0260**	**320.1**	**314.6**
Stddev	.0001	.8	.0000	.0011	.00	.0003	.0021	.1	2.7
%RSD	.1132	.3924	.0820	16.98	.0126	.0392	8.101	.0409	.8635
#1	.1195	206.2	.0433	.0057	22.62	-.7267	.0245	320.0	312.7
#2	.1193	205.0	.0432	.0072	22.62	-.7263	.0275	320.2	316.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.74**	**34.79**	**2.937**	**2.518**	**1.954**	**.0457**	**-.1986**	**6.900**	**.0487**
Stddev	.05	.20	.011	.002	.005	.0004	.0003	.003	.0000
%RSD	.2335	.5812	.3826	.0667	.2510	.9054	.1671	.0477	.0900
#1	22.78	34.64	2.929	2.516	1.950	.0455	-.1984	6.902	.0486
#2	22.71	34.93	2.945	2.519	1.957	.0460	-.1989	6.898	.0487

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5589**	**8.897**	**8.171**	**2.556**	**210.1**	**.1771**	**.0701**
Stddev	.0006	.030	.013	.002	.0	.0002	.0008
%RSD	.1153	.3359	.1582	.0648	.0238	.1405	1.210
#1	.5593	8.919	8.161	2.557	210.2	.1773	.0695
#2	.5584	8.876	8.180	2.555	210.1	.1769	.0707

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101150.**	**13795.**	**2303.5**	**6579.5**
Stddev	233.	19.	.1	4.4
%RSD	.23016	.13655	.00371	.06690
#1	100990.	13782.	2303.5	6576.4
#2	101320.	13808.	2303.4	6582.6

Zoom In Zoom Out

Sample Name: jb69708-8 Acquired: 6/20/2014 19:16:02 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**35.77**	**.0022**	**2.577**	**.6191**	**50.07**	**.2870**	**3.265**	**.1543**	**.0027**
Stddev	.35	.0000	.010	.0014	.07	.0001	.009	.0011	.0001
%RSD	.9894	2.223	.3725	.2295	.1446	.0304	.2742	.6963	3.008
#1	36.02	.0022	2.570	.6181	50.12	.2869	3.271	.1536	.0028
#2	35.52	.0023	2.583	.6201	50.02	.2871	3.259	.1551	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.717**	**236.0**	**.2604**	**.0327**	**311.7**	**-.9524**	**1.085**	**35.48**	**271.3**
Stddev	.003	1.5	.0030	.0028	.1	.0044	.009	.06	.8
%RSD	.0752	.6259	1.146	8.525	.0479	.4626	.8739	.1660	.2776
#1	3.719	235.0	.2583	.0346	311.5	-.9555	1.078	35.52	271.8
#2	3.715	237.1	.2625	.0307	311.8	-.9493	1.091	35.44	270.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.7**	**55.73**	**11.48**	**23.69**	**.4869**	**.0661**	**-.0129**	**5.672**	**.0612**
Stddev	.1	.01	.00	.02	.0021	.0000	.0001	.019	.0000
%RSD	.0475	.0108	.0282	.0687	.4242	.0593	.6034	.3275	.0026
#1	127.7	55.72	11.47	23.68	.4855	.0662	-.0128	5.659	.0612
#2	127.7	55.73	11.48	23.70	.4884	.0661	-.0129	5.685	.0612

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.908**	**13.30**	**10.38**	**.0826**	**96.39**	**.1104**	**.1085**
Stddev	.001	.02	.01	.0005	.34	.0002	.0002
%RSD	.0266	.1286	.1320	.6002	.3525	.1643	.2140
#1	1.908	13.31	10.37	.0830	96.15	.1103	.1087
#2	1.909	13.29	10.39	.0823	96.63	.1106	.1083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103040.**	**13678.**	**2072.9**	**6806.5**
Stddev	140.	15.	5.6	11.7
%RSD	.13544	.10866	.26794	.17149
#1	102940.	13667.	2076.8	6814.8
#2	103140.	13688.	2069.0	6798.3

Zoom In Zoom Out

Sample Name: jb69708-9 Acquired: 6/20/2014 19:22:28 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 23rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.855**	**-.0094**	**.0334**	**2.080**	**66.79**	**.1074**	**1.037**	**.0329**	**.0054**
Stddev	.000	.0001	.0004	.003	.15	.0010	.001	.0003	.0002
%RSD	.0048	.9270	1.226	.1603	.2223	.9575	.1245	.9041	3.105
#1	4.855	-.0094	.0337	2.078	66.90	.1067	1.038	.0327	.0053
#2	4.855	-.0093	.0332	2.082	66.69	.1081	1.036	.0332	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**133.3**	**-.0091**	**-.0093**	**309.2**	**-.0240**	**.1925**	**253.0**	**545.6**
Stddev	-----	.3	.0015	.0003	.0	.0053	.0019	.6	11.9
%RSD	-----	.2443	16.75	3.103	.0044	22.03	1.003	.2557	2.173
#1	-----	133.5	-.0080	-.0091	309.2	-.0277	.1912	253.5	554.0
#2	-----	133.1	-.0102	-.0095	309.2	-.0203	.1939	252.6	537.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.23**	**79.37**	**5.816**	**5.547**	**3.311**	**.1246**	**-.1948**	**7.045**	**.0869**
Stddev	.02	.27	.012	.012	.006	.0005	.0012	.007	.0005
%RSD	.1019	.3354	.2020	.2131	.1692	.3917	.6073	.1071	.5677
#1	23.24	79.56	5.824	5.538	3.307	.1243	-.1956	7.039	.0873
#2	23.21	79.18	5.807	5.555	3.314	.1250	-.1939	7.050	.0866

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.787**	**10.43**	**3.384**	**1.574**	**41.72**	**.2634**	**.0963**
Stddev	.001	.01	.001	.002	.11	.0007	.0006
%RSD	.0497	.1076	.0238	.1300	.2583	.2699	.6230
#1	1.788	10.44	3.384	1.573	41.80	.2639	.0967
#2	1.787	10.42	3.383	1.576	41.64	.2629	.0959

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100310.**	**13590.**	**2026.5**	**6363.9**
Stddev	95.	106.	3.5	5.9
%RSD	.09472	.78126	.17039	.09316
#1	100380.	13515.	2028.9	6368.1
#2	100240.	13665.	2024.1	6359.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 19:28:51 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.048**	**2.017**	**2.020**	**2.064**	**1.966**	**2.036**	**2.056**	**.2403**
Stddev	.000	.002	.003	.004	.002	.002	.003	.004	.0005
%RSD	.0076	.0840	.1508	.2118	.0731	.1234	.1512	.1758	.2229
#1	2.053	2.049	2.015	2.017	2.063	1.968	2.034	2.053	.2407
#2	2.053	2.046	2.019	2.023	2.065	1.964	2.038	2.058	.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	**1.976**	**2.087**	**2.018**	**2.119**	**2.079**	**2.016**	**2.020**	**40.34**	**40.80**
Stddev	.002	.005	.003	.007	.001	.003	.001	.04	.00
%RSD	.0856	.2461	.1272	.3156	.0360	.1525	.0609	.0963	.0098
#1	1.975	2.091	2.016	2.114	2.080	2.018	2.019	40.36	40.80
#2	1.977	2.083	2.019	2.124	2.079	2.014	2.021	40.31	40.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.48**	**41.21**	**40.09**	**40.98**	**2.029**	**2.042**	**1.947**	**4.984**	**2.061**
Stddev	.07	.03	.06	.02	.003	.005	.001	.003	.003
%RSD	.1770	.0774	.1549	.0434	.1351	.2505	.0348	.0495	.1441
#1	39.53	41.18	40.13	40.99	2.027	2.038	1.947	4.983	2.059
#2	39.43	41.23	40.04	40.96	2.031	2.045	1.948	4.986	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: 6/20/2014 19:28:51 Type: QC
Method: Accutest1(v181) 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	**2.088**	**1.989**	**1.945**	**2.004**	**1.976**	**1.990**	**2.010**
Stddev	.001	.002	.015	.000	.004	.005	.001
%RSD	.0517	.1093	.7595	.0064	.1915	.2388	.0493
#1	2.089	1.988	1.934	2.004	1.973	1.987	2.009
#2	2.087	1.991	1.955	2.004	1.978	1.993	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105500.**	**13633.**	**2393.4**	**7065.9**
Stddev	192.	8.	4.0	12.6
%RSD	.18218	.06219	.16507	.17777
#1	105640.	13627.	2396.1	7074.8
#2	105370.	13639.	2390.6	7057.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 19:34:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0005**	**.0005**	**.0003**	F **.0016**	**-.0001**	**.0006**	**.0004**	**-.0002**
Stddev	.0001	.0001	.0000	.0002	.0002	.0003	.0000	.0003	.0003
%RSD	8.684	27.71	1.615	52.81	10.15	307.6	2.175	73.44	125.5
#1	.0010	.0004	.0005	.0004	.0017	-.0003	.0006	.0006	.0000
#2	.0011	.0005	.0005	.0002	.0015	.0001	.0006	.0002	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.0012				
Low Limit					-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **.0056**	**.0000**	**.0006**	F **.0042**	**.0015**	**.0009**	**.0126**	**.0148**
Stddev	.0001	.0017	.001	.0007	.0008	.0030	.0015	.0049	.0042
%RSD	15.90	30.50	4132.	107.9	20.17	203.1	158.1	38.76	28.25
#1	.0009	.0068	-.0003	.0001	.0048	-.0007	-.0001	.0092	.0119
#2	.0007	.0044	.0003	.0011	.0036	.0037	.0019	.0161	.0178
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020			.0030				
Low Limit		-.0020			-.0030				

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0068**	**.0184**	**.0039**	**.0097**	**.0039**	F **.0020**	**.0022**	**.0026**	**.0002**
Stddev	.0017	.0014	.0090	.0000	.0002	.0003	.0004	.0008	.0002
%RSD	25.32	7.386	231.2	.1934	4.381	17.27	15.80	29.68	85.57
#1	.0056	.0175	-.0025	.0097	.0037	.0022	.0025	.0031	.0003
#2	.0081	.0194	.0102	.0097	.0040	.0018	.0020	.0020	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 19:34:55 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0007**	**.0078**	F **.0011**	**.0046**	**-.0002**	**-.0002**
Stddev	.0001	.0003	.0014	.0001	.0012	.0001	.0002
%RSD	18.98	42.06	17.48	13.89	26.75	50.61	94.10
#1	.0006	.0005	.0087	.0012	.0054	-.0002	-.0001
#2	.0008	.0009	.0068	.0010	.0037	-.0003	-.0003
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	**110990.**	**13513.**	**2465.6**	**7681.7**
Stddev	48.	31.	3.4	9.6
%RSD	.04310	.23170	.13926	.12533
#1	111020.	13491.	2468.0	7688.5
#2	110960.	13535.	2463.2	7674.9

Zoom In Zoom Out

Sample Name: mp80152-sd1 2 Acquired: 6/20/2014 19:41:12 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1478**	**.0005**	**.0030**	**.0145**	**.0068**	**.0174**	**2.055**	**.0214**	**.0008**
Stddev	.0000	.0002	.0000	.0005	.0004	.0013	.007	.0001	.0004
%RSD	.0298	48.64	.0547	3.225	5.336	7.238	.3208	.4526	43.71
#1	.1479	.0003	.0030	.0141	.0065	.0183	2.060	.0214	.0006
#2	.1478	.0007	.0030	.0148	.0070	.0165	2.050	.0215	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0306**	**.0092**	**-.0030**	**.0073**	**.0142**	**.0064**	**.0159**	**169.9**
Stddev	.0001	.0026	.0012	.0052	.0022	.0157	.0001	.0329	.5
%RSD	3.120	8.405	12.54	174.1	30.20	110.6	.8549	206.8	.2995
#1	.0029	.0324	.0084	.0007	.0057	.0252	.0063	-.0074	170.3
#2	.0030	.0288	.0100	-.0067	.0088	.0031	.0064	.0391	169.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2612**	**60.05**	**12.17**	**283.8**	**.5429**	**.0091**	**-.0047**	**8.148**	**.0121**
Stddev	.0112	.26	.05	.2	.0019	.0015	.0013	.020	.0012
%RSD	4.275	.4343	.3925	.0687	.3443	16.88	27.87	.2392	9.960
#1	.2691	59.86	12.20	283.9	.5442	.0102	-.0056	8.134	.0129
#2	.2533	60.23	12.14	283.7	.5415	.0080	-.0038	8.162	.0112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4421**	**.0045**	**.0552**	**.0152**	**93.83**	**.0028**	**-.0012**
Stddev	.0016	.0001	.0092	.0003	.49	.0055	.0011
%RSD	.3728	2.877	16.63	1.790	.5177	197.8	96.23
#1	.4409	.0046	.0617	.0151	93.48	.0067	-.0004
#2	.4432	.0044	.0487	.0154	94.17	-.0011	-.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105930.**	**13792.**	**2395.7**	**7203.7**
Stddev	395.	117.	4.3	10.8
%RSD	.37255	.85172	.17920	.15008
#1	105650.	13709.	2398.7	7211.3
#2	106200.	13875.	2392.6	7196.0

Zoom In Zoom Out

Sample Name: jb68948-1f Acquired: 6/20/2014 19:47:24 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0872**	**.0000**	**.0009**	**.0013**	**.0013**	**.0039**	**1.144**	**.0027**	**-.0001**
Stddev	.0005	.000	.0002	.0001	.0001	.0002	.001	.0002	.0002
%RSD	.6152	251.3	23.55	7.936	4.895	6.067	.0943	8.074	158.3
#1	.0876	-.0001	.0010	.0012	.0014	.0041	1.144	.0029	.0000
#2	.0868	.0000	.0007	.0014	.0013	.0038	1.143	.0026	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0068**	**.0019**	**-.0007**	**.0005**	**.0026**	**.0009**	**.0107**	**128.0**
Stddev	.0004	.0001	.0002	.0006	.0009	.0001	.0010	.0004	.7
%RSD	20.28	1.689	10.45	89.30	166.4	2.125	110.7	3.468	.5821
#1	.0021	.0068	.0017	-.0003	-.0001	.0027	.0015	.0105	128.5
#2	.0016	.0067	.0020	-.0011	.0012	.0026	.0002	.0110	127.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0181**	**57.27**	**5.209**	**72.28**	**.1693**	**.0039**	**-.0036**	**8.536**	**.0031**
Stddev	.0031	.20	.034	.39	.0002	.0000	.0006	.016	.0008
%RSD	17.07	.3474	.6600	.5418	.1108	1.039	16.48	.1872	26.43
#1	.0203	57.41	5.233	72.56	.1692	.0040	-.0040	8.525	.0026
#2	.0159	57.13	5.185	72.00	.1694	.0039	-.0031	8.547	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4293**	**.0038**	**.0463**	**.0063**	**47.33**	**-.0001**	**.0042**
Stddev	.0026	.0007	.0017	.0002	.23	.0005	.0009
%RSD	.6133	17.72	3.715	2.668	.4903	404.9	20.50
#1	.4312	.0033	.0451	.0064	47.17	-.0005	.0036
#2	.4274	.0043	.0475	.0062	47.49	.0002	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101430.**	**13750.**	**2302.1**	**6816.9**
Stddev	72.	74.	10.3	37.8
%RSD	.07068	.53652	.44527	.55384
#1	101370.	13697.	2309.4	6843.6
#2	101480.	13802.	2294.9	6790.2

Zoom In Zoom Out

Sample Name: jb69250-1 Acquired: 6/20/2014 19:53:35 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1217**	**.0003**	**.0006**	**.0010**	**.0040**	**.0027**	**.0912**	**.0027**	**-.0004**
Stddev	.0001	.0000	.0001	.0000	.0001	.0002	.0003	.0000	.0000
%RSD	.0791	10.39	21.48	2.282	2.726	5.467	.2997	1.222	7.668
#1	.1218	.0003	.0005	.0010	.0039	.0026	.0914	.0027	-.0004
#2	.1216	.0003	.0007	.0010	.0041	.0029	.0910	.0026	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0066**	**.0124**	**.0004**	**-.0045**	**.0035**	**.0066**	**.0005**	**1.841**	**50.12**
Stddev	.0000	.0002	.0001	.0015	.0004	.0009	.0011	.010	.19
%RSD	.4576	1.733	17.31	33.63	12.09	13.81	212.0	.5336	.3851
#1	.0066	.0123	.0003	-.0055	.0032	.0073	.0014	1.834	50.26
#2	.0066	.0126	.0004	-.0034	.0038	.0060	-.0003	1.848	49.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.597**	**8.866**	**16.30**	**39.84**	**.2003**	**.0168**	**-.0005**	**10.46**	**.0026**
Stddev	.005	.059	.04	.03	.0006	.0001	.0005	.00	.0002
%RSD	.3343	.6611	.2574	.0651	.2809	.6501	113.6	.0296	8.303
#1	1.601	8.907	16.33	39.86	.2007	.0167	-.0008	10.46	.0027
#2	1.593	8.824	16.27	39.82	.1999	.0169	-.0001	10.46	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2196**	**.0548**	**-.0122**	**.0023**	**15.07**	**-.0004**	**.0093**
Stddev	.0001	.0001	.0018	.0002	.02	.0004	.0003
%RSD	.0331	.1286	15.10	8.057	.1394	119.9	2.735
#1	.2196	.0547	-.0109	.0024	15.08	-.0007	.0095
#2	.2195	.0548	-.0135	.0021	15.05	-.0001	.0091

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105750.**	**13877.**	**2399.3**	**7203.8**
Stddev	323.	158.	.3	5.2
%RSD	.30522	1.1362	.01184	.07177
#1	105520.	13766.	2399.1	7200.2
#2	105980.	13989.	2399.5	7207.5

Zoom In Zoom Out

Sample Name: jb69250-5 Acquired: 6/20/2014 19:59:45 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2288**	**.0005**	**.0008**	**.0014**	**.0031**	**.0050**	**2.367**	**.0043**	**.0005**
Stddev	.0001	.0000	.0001	.0004	.0000	.0005	.002	.0003	.0000
%RSD	.0415	7.145	13.63	30.94	.7388	9.770	.0807	5.919	7.609
#1	.2288	.0005	.0008	.0011	.0031	.0054	2.366	.0041	.0006
#2	.2289	.0005	.0007	.0017	.0031	.0047	2.369	.0044	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0145**	**.0002**	**-.0080**	**.0038**	**.0062**	**.0019**	**1.086**	**261.3**
Stddev	.0002	.0000	.0011	.0001	.0002	.0018	.0003	.009	1.1
%RSD	3.484	.0263	608.4	1.633	5.479	28.50	17.87	.8177	.4355
#1	.0056	.0145	-.0006	-.0079	.0037	.0049	.0016	1.080	262.1
#2	.0053	.0145	.0010	-.0081	.0040	.0074	.0021	1.092	260.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.513**	**38.94**	**28.72**	**506.7**	**.2800**	**.0136**	**-.0062**	**11.98**	**.0028**
Stddev	.009	.10	.05	.8	.0007	.0005	.0012	.03	.0011
%RSD	.5931	.2565	.1710	.1659	.2578	3.399	18.52	.2449	39.78
#1	1.519	38.87	28.75	507.3	.2806	.0139	-.0054	11.96	.0020
#2	1.507	39.01	28.68	506.1	.2795	.0133	-.0071	12.00	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.268**	**.0353**	**-.0162**	**.0061**	**61.88**	**.0002**	**.0298**
Stddev	.001	.0000	.0006	.0001	.11	.0014	.0009
%RSD	.0708	.0297	3.945	1.509	.1832	686.5	2.908
#1	1.269	.0353	-.0158	.0060	61.80	.0012	.0304
#2	1.268	.0353	-.0167	.0061	61.96	-.0008	.0291

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99327.**	**13567.**	**2212.3**	**6279.2**
Stddev	171.	23.	6.9	16.5
%RSD	.17222	.16585	.31104	.26275
#1	99448.	13583.	2217.2	6290.9
#2	99206.	13551.	2207.4	6267.5

Zoom In Zoom Out

Sample Name: jb69348-1 Acquired: 6/20/2014 20:06:04 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2781**	**-.0002**	**.1600**	**.0479**	**.0185**	**.2442**	**.0670**	**1.953**	**.0031**
Stddev	.0002	.0001	.0008	.0000	.0003	.0002	.0002	.008	.0006
%RSD	.0545	56.07	.4796	.0598	1.536	.0776	.2683	.4301	20.14
#1	.2780	-.0001	.1595	.0479	.0183	.2443	.0669	1.947	.0026
#2	.2782	-.0003	.1606	.0480	.0187	.2441	.0672	1.959	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0407**	**54.94**	**.0687**	**.0041**	**.1321**	**-.0248**	**.0622**	**6.995**	**20.28**
Stddev	.0001	.12	.0011	.0001	.0014	.0011	.0021	.009	.04
%RSD	.2395	.2174	1.530	2.941	1.079	4.496	3.453	.1301	.2078
#1	.0406	54.85	.0694	.0042	.1311	-.0240	.0637	6.988	20.31
#2	.0408	55.02	.0680	.0040	.1331	-.0255	.0607	7.001	20.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**96.70**	**1.259**	**.7794**	**1.526**	**.0463**	**.0082**	**.0003**	**4.984**	**.0220**
Stddev	.11	.015	.0355	.030	.0013	.0003	.0001	.013	.0007
%RSD	.1134	1.204	4.552	1.995	2.703	3.096	36.21	.2542	3.390
#1	96.62	1.270	.8044	1.547	.0471	.0083	.0004	4.975	.0215
#2	96.77	1.248	.7543	1.504	.0454	.0080	.0002	4.993	.0225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0935**	**.0868**	**.2841**	**.0131**	**21.88**	**.0010**	**.0036**
Stddev	.0005	.0004	.0009	.0001	.06	.0003	.0014
%RSD	.5395	.5149	.3041	.9727	.2693	30.90	37.49
#1	.0938	.0871	.2835	.0130	21.84	.0008	.0027
#2	.0931	.0865	.2848	.0131	21.92	.0012	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111900.**	**14155.**	**2481.6**	**7689.6**
Stddev	12.	75.	4.5	18.7
%RSD	.01039	.53198	.18258	.24293
#1	111890.	14102.	2484.8	7702.8
#2	111910.	14208.	2478.4	7676.4

Zoom In Zoom Out

Sample Name: jb69578-11 Acquired: 6/20/2014 20:12:12 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 24th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0777**	**.0004**	**.0004**	**.0031**	**.0070**	**.0106**	**.6647**	**.0054**	**-.0001**
Stddev	.0002	.0000	.0001	.0002	.0000	.0002	.0016	.0003	.0001
%RSD	.2420	.7648	17.73	5.315	.0177	2.280	.2407	6.495	134.4
#1	.0775	.0004	.0005	.0032	.0070	.0104	.6635	.0056	-.0001
#2	.0778	.0004	.0004	.0030	.0070	.0107	.6658	.0051	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0197**	**.0262**	**.0096**	**.0000**	**.0225**	**.0042**	**.0016**	**4.793**	**29.41**
Stddev	.0002	.0001	.0005	.0003	.0006	.0014	.0002	.013	.01
%RSD	1.094	.2794	5.562	723.7	2.876	32.30	12.01	.2625	.0322
#1	.0198	.0263	.0099	.0002	.0230	.0052	.0018	4.784	29.40
#2	.0195	.0262	.0092	-.0002	.0221	.0032	.0015	4.802	29.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.28**	**9.775**	**2.146**	**176.1**	**.0925**	**.0090**	**-.0001**	**9.814**	**.0029**
Stddev	.02	.021	.035	.9	.0004	.0003	.0006	.002	.0002
%RSD	.1918	.2151	1.651	.5228	.4037	3.006	783.2	.0207	5.880
#1	10.29	9.790	2.171	176.7	.0922	.0092	.0003	9.812	.0028
#2	10.27	9.760	2.121	175.4	.0927	.0088	-.0005	9.815	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2093**	**.0808**	**-.0171**	**.0147**	**80.40**	**-.0006**	**.0034**
Stddev	.0004	.0028	.0001	.0001	.32	.0008	.0000
%RSD	.1794	3.509	.7358	.7009	.4033	127.1	1.405
#1	.2090	.0828	-.0171	.0148	80.17	-.0001	.0034
#2	.2095	.0788	-.0170	.0146	80.63	-.0012	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102910.**	**13787.**	**2360.5**	**6895.4**
Stddev	231.	57.	.6	3.8
%RSD	.22486	.41305	.02493	.05557
#1	103080.	13747.	2360.9	6898.2
#2	102750.	13827.	2360.1	6892.7

Zoom In Zoom Out

Sample Name: jb69307-2 Acquired: 6/20/2014 20:18:29 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0087**	**.0000**	**.0007**	**.0025**	**.0003**	**.0064**	**.0709**	**.1470**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0000	.0001	.0002	.0001	.0002
%RSD	.3935	49.05	7.810	7.247	6.624	.9790	.2836	.0511	133.6
#1	.0087	.0001	.0008	.0026	.0003	.0064	.0710	.1471	-.0002
#2	.0087	.0000	.0007	.0024	.0003	.0064	.0708	.1470	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0133**	**.0005**	**-.0006**	**.0001**	**.0012**	**.0004**	**.9079**	**7.804**
Stddev	.0001	.0002	.0002	.0008	.0004	.0009	.0001	.0040	.049
%RSD	95.28	1.149	45.15	128.6	453.5	73.69	28.95	.4352	.6286
#1	.0002	.0132	.0003	-.0011	-.0002	.0006	.0005	.9051	7.839
#2	.0000	.0134	.0006	-.0001	.0004	.0018	.0003	.9106	7.769

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0096**	**1.784**	**1.622**	**27.09**	**.0364**	**-.0001**	**-.0002**	**1.463**	**.0007**
Stddev	.0021	.015	.005	.03	.0003	.0000	.0002	.001	.0005
%RSD	22.11	.8460	.2888	.1194	.8881	21.47	79.21	.0375	77.51
#1	.0081	1.795	1.618	27.11	.0361	-.0001	-.0001	1.463	.0003
#2	.0111	1.773	1.625	27.06	.0366	-.0001	-.0004	1.463	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0316**	**.0000**	**-.0162**	**.0005**	**6.778**	**-.0008**	**-.0001**
Stddev	.0001	.000	.0001	.0001	.019	.0012	.0001
%RSD	.1959	746.9	.8162	10.20	.2789	139.0	120.5
#1	.0315	-.0002	-.0161	.0006	6.792	.0000	-.0002
#2	.0316	.0002	-.0163	.0005	6.765	-.0017	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108660.**	**14059.**	**2447.8**	**7438.8**
Stddev	47.	92.	.4	.3
%RSD	.04348	.65381	.01473	.00373
#1	108690.	13994.	2447.6	7439.0
#2	108620.	14124.	2448.1	7438.6

Zoom In Zoom Out

Sample Name: jb69307-3 Acquired: 6/20/2014 20:24:41 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0091**	**.0001**	**.0044**	**.0096**	**.0005**	**.0181**	**.2832**	**7.719**	**.0002**
Stddev	.0003	.0000	.0001	.0001	.0003	.0002	.0005	.006	.0002
%RSD	3.377	4.606	3.161	1.369	59.24	.9932	.1888	.0804	75.46
#1	.0093	.0001	.0045	.0096	.0007	.0180	.2835	7.714	.0001
#2	.0088	.0001	.0043	.0097	.0003	.0182	.2828	7.723	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0740**	**.0000**	**-.0018**	**.0011**	**.0028**	**-.0014**	**2.045**	**14.56**
Stddev	.0003	.0004	.0003	.0000	.0005	.0003	.0006	.004	.01
%RSD	462.8	.5962	1172.	2.289	41.97	9.939	41.85	.2056	.0797
#1	.0003	.0737	.0002	-.0018	.0008	.0026	-.0010	2.048	14.56
#2	-.0002	.0743	-.0002	-.0018	.0015	.0030	-.0018	2.042	14.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0079**	**3.071**	**4.313**	**56.85**	**.3272**	**.0000**	**.0005**	**3.445**	**.0012**
Stddev	.0001	.009	.020	.04	.0013	.000	.0011	.003	.0002
%RSD	.8252	.3068	.4567	.0786	.4062	494.5	210.8	.0919	12.63
#1	.0078	3.078	4.327	56.88	.3281	.0000	.0013	3.447	.0013
#2	.0079	3.064	4.299	56.81	.3262	.0000	-.0003	3.443	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0687**	**.0002**	**-.0163**	**.0018**	**11.17**	**-.0007**	**-.0004**
Stddev	.0001	.0001	.0008	.0001	.01	.0009	.0008
%RSD	.1723	49.80	4.648	3.844	.0788	123.1	192.8
#1	.0687	.0001	-.0158	.0019	11.17	-.0001	-.0010
#2	.0688	.0002	-.0168	.0018	11.16	-.0014	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107200.**	**13961.**	**2425.8**	**7275.9**
Stddev	135.	24.	2.1	4.3
%RSD	.12558	.16931	.08712	.05938
#1	107110.	13978.	2427.3	7278.9
#2	107300.	13944.	2424.3	7272.8

Zoom In Zoom Out

Sample Name: jb69307-4 Acquired: 6/20/2014 20:30:52 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0092**	**.0001**	**.0044**	**.0095**	**.0003**	**.0196**	**.2847**	**7.715**	**.0004**
Stddev	.0000	.0001	.0000	.0002	.0005	.0001	.0006	.010	.0002
%RSD	.2328	56.15	.0926	2.338	136.0	.3295	.2046	.1287	61.10
#1	.0092	.0002	.0044	.0093	.0000	.0195	.2843	7.708	.0002
#2	.0092	.0001	.0044	.0097	.0007	.0196	.2851	7.722	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0747**	**.0000**	**-.0007**	**.0002**	**.0024**	**-.0005**	**2.024**	**14.57**
Stddev	.0000	.0003	.0012	.0002	.0007	.0003	.0009	.010	.02
%RSD	11.87	.4367	3509.	34.04	301.7	13.83	169.5	.4775	.1522
#1	.0005	.0745	.0009	-.0006	.0008	.0027	.0001	2.017	14.59
#2	.0004	.0749	-.0008	-.0009	-.0003	.0022	-.0011	2.030	14.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0089**	**3.032**	**4.303**	**56.88**	**.3251**	**.0000**	**.0003**	**3.472**	**.0009**
Stddev	.0003	.041	.011	.06	.0008	.0000	.0008	.006	.0005
%RSD	2.859	1.335	.2579	.1036	.2375	764.6	261.2	.1825	58.88
#1	.0087	3.003	4.311	56.92	.3256	.0000	-.0003	3.467	.0005
#2	.0091	3.060	4.295	56.84	.3245	.0000	.0009	3.476	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0686**	**.0001**	**-.0150**	**.0021**	**11.13**	**-.0009**	**.0003**
Stddev	.0003	.0003	.0003	.0000	.03	.0014	.0009
%RSD	.4333	266.1	1.984	2.110	.2614	143.4	271.2
#1	.0689	.0003	-.0152	.0021	11.11	-.0019	.0010
#2	.0684	-.0001	-.0147	.0021	11.15	.0000	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106910.**	**14017.**	**2426.7**	**7270.3**
Stddev	189.	27.	2.9	8.1
%RSD	.17695	.19437	.11901	.11188
#1	107040.	13997.	2428.7	7276.1
#2	106780.	14036.	2424.7	7264.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 20:37:05 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.049**	**2.022**	**2.022**	**2.055**	**1.988**	**2.062**	**2.061**	**.2435**
Stddev	.003	.005	.001	.001	.004	.004	.001	.000	.0006
%RSD	.1259	.2400	.0440	.0451	.1701	.1862	.0550	.0189	.2289
#1	2.051	2.045	2.023	2.023	2.057	1.991	2.063	2.061	.2439
#2	2.055	2.052	2.021	2.022	2.052	1.986	2.062	2.061	.2431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**2.072**	**2.016**	**2.141**	**2.069**	**2.020**	**2.016**	**39.97**	**40.31**
Stddev	.002	.001	.002	.004	.002	.003	.001	.01	.07
%RSD	.1142	.0303	.0785	.1770	.0833	.1304	.0696	.0175	.1624
#1	1.994	2.072	2.015	2.139	2.068	2.022	2.015	39.97	40.27
#2	1.990	2.073	2.017	2.144	2.070	2.018	2.017	39.98	40.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.64**	**40.24**	**40.20**	**40.66**	**2.025**	**2.040**	**1.984**	**4.952**	**2.068**
Stddev	.06	.08	.03	.02	.002	.003	.004	.006	.000
%RSD	.1469	.1973	.0728	.0379	.1128	.1283	.2095	.1168	.0199
#1	39.68	40.19	40.22	40.65	2.024	2.038	1.986	4.948	2.068
#2	39.60	40.30	40.18	40.67	2.027	2.041	1.981	4.956	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: 6/20/2014 20:37:05 Type: QC
Method: Accutest1(v181) 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	**2.072**	**2.019**	**1.912**	**2.009**	**1.978**	**1.989**	**2.017**
Stddev	.005	.005	.009	.002	.008	.001	.002
%RSD	.2203	.2332	.4921	.0843	.3894	.0575	.0929
#1	2.069	2.022	1.905	2.010	1.973	1.989	2.016
#2	2.076	2.015	1.919	2.008	1.983	1.990	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104720.**	**13740.**	**2400.8**	**7077.6**
Stddev	13.	13.	1.5	.6
%RSD	.01206	.09155	.06220	.00895
#1	104720.	13749.	2401.9	7078.0
#2	104730.	13731.	2399.8	7077.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 20:43:09 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0002**	**.0000**	**-.0004**	**.0001**	**.0006**	**-.0002**
Stddev	.0001	.0001	.0002	.0000	.0001	.0004	.0000	.0003	.0002
%RSD	295.0	1140.	36.72	22.14	485.5	116.2	23.43	41.19	149.8
#1	.0000	-.0001	.0003	.0002	.0001	-.0006	.0001	.0004	.0000
#2	.0001	.0001	.0005	.0002	.0000	-.0001	.0002	.0008	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0000**	**.0004**	**.0006**	**.0016**	**.0014**	**-.0031**	**-.0060**
Stddev	.0001	.0002	.001	.0011	.0005	.0010	.0003	.0031	.0014
%RSD	29.02	79.54	1964.	296.5	95.63	65.51	18.92	97.43	22.59
#1	.0002	.0001	-.0006	-.0004	.0002	.0023	.0016	-.0053	-.0070
#2	.0004	.0005	.0005	.0011	.0010	.0008	.0012	-.0010	-.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0029**	**-.0165**	**-.0113**	**.0081**	**.0020**	**.0019**	**.0018**	**.0006**	**.0006**
Stddev	.0003	.0250	.0078	.0085	.0003	.0003	.0017	.0005	.0004
%RSD	10.22	152.0	68.91	105.3	15.54	15.24	97.57	87.68	76.76
#1	-.0031	-.0342	-.0058	.0141	.0018	.0021	.0030	.0002	.0009
#2	-.0027	.0012	-.0168	.0021	.0022	.0017	.0006	.0010	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 20:43:09 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0024**	**.0008**	**.0033**	**.0004**	**-.0003**
Stddev	.0000	.0002	.0005	.0000	.0009	.0002	.0008
%RSD	11.27	74.70	21.44	1.814	28.26	58.75	283.3
#1	.0001	.0001	.0027	.0008	.0026	.0006	.0003
#2	.0001	.0004	.0020	.0008	.0040	.0002	-.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	**110090.**	**13712.**	**2461.5**	**7657.9**
Stddev	127.	22.	2.3	1.0
%RSD	.11576	.15980	.09380	.01285
#1	110000.	13727.	2463.1	7657.2
#2	110180.	13696.	2459.8	7658.6

Zoom In Zoom Out

Sample Name: jb69307-6 Acquired: 6/20/2014 20:49:28 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0001**	**-.0001**	**-.0001**	**-.0005**	**.0000**	**-.0001**	**-.0003**
Stddev	.0001	.000	.0001	.0002	.0003	.0001	.0000	.0002	.0001
%RSD	109.6	113.4	51.99	259.8	316.9	18.32	98.32	349.4	35.67
#1	.0000	-.0001	.0002	-.0002	.0001	-.0005	.0000	.0001	-.0003
#2	.0001	.0000	.0001	.0001	-.0004	-.0004	.0000	-.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0010**	**-.0011**	**.0015**	**-.0015**	**.0027**	**.0009**	**-.0053**	**.0382**
Stddev	.0003	.0003	.0002	.0007	.0007	.0001	.0006	.0026	.0015
%RSD	168.2	26.35	22.49	47.63	48.23	3.699	70.85	49.67	3.886
#1	-.0004	.0012	-.0009	.0010	-.0010	.0027	.0013	-.0072	.0393
#2	.0000	.0008	-.0012	.0020	-.0020	.0028	.0004	-.0035	.0372

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0019**	**-.0163**	**-.0146**	**.0375**	**.0008**	**.0005**	**.0008**	**.0137**	**-.0002**
Stddev	.0022	.0009	.0053	.0039	.0005	.0001	.0004	.0009	.0003
%RSD	114.6	5.788	36.52	10.40	63.97	13.67	45.26	6.391	174.4
#1	-.0035	-.0156	-.0183	.0347	.0012	.0004	.0006	.0143	.0000
#2	-.0004	-.0170	-.0108	.0402	.0005	.0005	.0011	.0130	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**-.0001**	**.0008**	**.0120**	**-.0002**	**.0001**
Stddev	.0001	.0001	.0001	.0002	.0005	.0002	.0003
%RSD	88.65	85.97	113.5	25.06	3.740	118.9	276.0
#1	.0000	-.0001	-.0002	.0009	.0117	-.0004	.0003
#2	.0002	.0000	.0000	.0006	.0124	.0000	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109740.**	**13799.**	**2436.9**	**7605.6**
Stddev	330.	56.	12.5	26.5
%RSD	.30103	.40641	.51265	.34796
#1	109970.	13759.	2428.1	7586.8
#2	109500.	13839.	2445.7	7624.3

Zoom In Zoom Out

Sample Name: jb69447-1 Acquired: 6/20/2014 20:55:46 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0801**	**.0000**	**.0003**	**.0543**	**.0134**	**.0020**	**1.944**	**.0117**	**.0003**
Stddev	.0001	.0001	.0001	.0002	.0001	.0001	.003	.0001	.0001
%RSD	.0631	504.0	21.17	.4488	.6350	4.359	.1603	.9889	27.52
#1	.0801	.0000	.0002	.0541	.0134	.0020	1.947	.0116	.0003
#2	.0801	.0001	.0003	.0544	.0133	.0019	1.942	.0118	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0182**	**.0009**	**-.0018**	**.0010**	**.0016**	**.0005**	**.0060**	**15.80**
Stddev	.0001	.0004	.0002	.0001	.0002	.0006	.0001	.0003	.05
%RSD	6.702	2.072	22.75	6.272	18.92	38.41	17.16	4.367	.3382
#1	.0017	.0179	.0008	-.0017	.0008	.0012	.0006	.0059	15.76
#2	.0018	.0184	.0011	-.0019	.0011	.0020	.0005	.0062	15.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.54**	**8.590**	**5.730**	**20.16**	**.0650**	**.0009**	**-.0006**	**2.912**	**.0015**
Stddev	.00	.028	.008	.04	.0008	.0000	.0001	.001	.0005
%RSD	.0381	.3286	.1363	.2168	1.156	.0980	21.36	.0176	34.57
#1	11.54	8.570	5.735	20.13	.0656	.0009	-.0005	2.913	.0012
#2	11.53	8.610	5.724	20.19	.0645	.0009	-.0007	2.912	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1104**	**.0000**	**-.0051**	**.0017**	**5.160**	**.0000**	**.0028**
Stddev	.0002	.000	.0003	.0001	.043	.0006	.0002
%RSD	.1909	10730.	5.196	7.370	.8427	1347.	5.946
#1	.1102	.0003	-.0053	.0018	5.191	-.0004	.0029
#2	.1105	-.0003	-.0049	.0017	5.129	.0004	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106960.**	**13972.**	**2420.7**	**7400.1**
Stddev	347.	55.	.1	2.7
%RSD	.32410	.39310	.00534	.03670
#1	106720.	14010.	2420.8	7398.2
#2	107210.	13933.	2420.6	7402.0

Zoom In Zoom Out

Sample Name: jb69447-2 Acquired: 6/20/2014 21:01:57 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0516**	**.0000**	**.0004**	**.0205**	**.0001**	**.0002**	**1.713**	**.0180**	**.0002**
Stddev	.0000	.000	.0001	.0002	.0002	.0001	.001	.0001	.0001
%RSD	.0529	59.97	20.23	1.209	257.5	47.68	.0393	.6080	78.08
#1	.0516	.0000	.0004	.0207	-.0001	.0002	1.713	.0180	.0003
#2	.0516	-.0001	.0003	.0204	.0002	.0001	1.712	.0179	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0160**	**.0006**	**.0001**	**.0023**	**.0018**	**.0016**	**-.0015**	**21.72**
Stddev	.0003	.0002	.0001	.0012	.0012	.0003	.0007	.0053	.07
%RSD	24.60	1.459	19.82	1064.	51.14	18.01	42.38	349.9	.3053
#1	.0012	.0158	.0005	-.0007	.0015	.0020	.0011	-.0053	21.76
#2	.0009	.0161	.0007	.0010	.0032	.0016	.0021	.0023	21.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.53**	**10.30**	**2.571**	**18.27**	**.0347**	**.0018**	**-.0003**	**3.633**	**.0020**
Stddev	.02	.01	.013	.04	.0003	.0001	.0007	.006	.0014
%RSD	.0991	.0958	.5153	.2373	.8903	6.447	243.5	.1723	70.08
#1	16.54	10.31	2.580	18.30	.0349	.0017	.0002	3.629	.0030
#2	16.52	10.30	2.562	18.24	.0345	.0019	-.0008	3.638	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1093**	**.0001**	**-.0082**	**.0022**	**5.955**	**-.0009**	**.0015**
Stddev	.0002	.0001	.0002	.0002	.016	.0003	.0005
%RSD	.2229	83.33	2.862	11.15	.2741	31.61	34.34
#1	.1095	.0000	-.0080	.0023	5.944	-.0010	.0018
#2	.1092	.0002	-.0083	.0020	5.967	-.0007	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108860.**	**13834.**	**2418.0**	**7407.4**
Stddev	221.	66.	3.0	4.2
%RSD	.20306	.47554	.12595	.05681
#1	108700.	13787.	2420.1	7410.4
#2	109010.	13881.	2415.8	7404.4

Zoom In Zoom Out

Sample Name: jb69447-3 Acquired: 6/20/2014 21:08:08 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0870**	**.0001**	**.0004**	**.0384**	**.0121**	**.0131**	**1.350**	**.0281**	**-.0001**
Stddev	.0001	.0000	.0001	.0001	.0002	.0005	.000	.0001	.0001
%RSD	.1122	1.521	38.21	.3891	1.546	3.551	.0098	.2935	75.92
#1	.0870	.0001	.0003	.0383	.0123	.0127	1.350	.0280	-.0001
#2	.0869	.0001	.0005	.0385	.0120	.0134	1.350	.0281	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0763**	**-.0004**	**-.0011**	**.0054**	**.0029**	**-.0011**	**.0084**	**21.20**
Stddev	.0001	.0000	.0006	.0003	.0006	.0011	.0001	.0036	.01
%RSD	4.067	.0005	157.3	23.58	11.08	38.32	6.763	42.34	.0241
#1	.0023	.0763	-.0009	-.0013	.0050	.0021	-.0012	.0110	21.20
#2	.0022	.0763	.0000	-.0009	.0058	.0037	-.0011	.0059	21.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.029**	**11.52**	**4.567**	**50.88**	**.0929**	**.0008**	**.0008**	**2.795**	**.0015**
Stddev	.013	.02	.045	.12	.0004	.0001	.0001	.001	.0000
%RSD	.3123	.1746	.9832	.2446	.4495	12.12	17.68	.0277	2.967
#1	4.020	11.54	4.535	50.79	.0932	.0009	.0007	2.794	.0015
#2	4.038	11.51	4.598	50.96	.0926	.0008	.0009	2.795	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1910**	**.0002**	**-.0093**	**.0011**	**6.955**	**.0004**	**.0049**
Stddev	.0005	.0004	.0010	.0000	.016	.0007	.0004
%RSD	.2468	241.0	10.66	1.794	.2236	173.0	8.373
#1	.1907	-.0001	-.0086	.0011	6.966	.0009	.0046
#2	.1914	.0005	-.0100	.0011	6.944	-.0001	.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106300.**	**13943.**	**2406.6**	**7239.6**
Stddev	150.	54.	2.0	14.7
%RSD	.14107	.38842	.08311	.20321
#1	106190.	13981.	2408.0	7250.0
#2	106400.	13904.	2405.1	7229.2

Zoom In Zoom Out

Sample Name: jb69659-3 Acquired: 6/20/2014 21:14:18 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3399**	**.0002**	**.0019**	**.0003**	**.0178**	**.0069**	**.0376**	**.0091**	**-.0002**
Stddev	.0003	.0000	.0001	.0003	.0001	.0002	.0002	.0000	.0003
%RSD	.0766	23.34	6.221	102.1	.6798	3.555	.6124	.2656	183.5
#1	.3401	.0002	.0018	.0005	.0178	.0071	.0374	.0092	-.0004
#2	.3397	.0002	.0020	.0001	.0177	.0067	.0377	.0091	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0043**	**.0151**	**.0031**	**-.0033**	**.0042**	**.0052**	**.0008**	**.2588**	**83.61**
Stddev	.0003	.0003	.0005	.0003	.0008	.0009	.0008	.0105	.44
%RSD	7.809	1.670	16.20	9.670	17.76	18.28	98.09	4.059	.5292
#1	.0045	.0149	.0035	-.0031	.0037	.0058	.0002	.2514	83.30
#2	.0040	.0152	.0028	-.0036	.0048	.0045	.0013	.2662	83.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3639**	**20.18**	**14.91**	**28.21**	**.0334**	**.0241**	**-.0027**	**9.847**	**.0033**
Stddev	.0005	.10	.02	.08	.0004	.0002	.0000	.014	.0005
%RSD	.1311	.5005	.1090	.2920	1.067	.6858	.8328	.1391	14.13
#1	.3642	20.11	14.90	28.15	.0331	.0239	-.0028	9.838	.0030
#2	.3635	20.26	14.92	28.27	.0336	.0242	-.0027	9.857	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5372**	**.0133**	**-.0107**	**.0027**	**24.29**	**.0011**	**.0093**
Stddev	.0011	.0001	.0005	.0000	.03	.0002	.0001
%RSD	.2074	.5868	4.586	1.113	.1430	18.70	.7006
#1	.5364	.0134	-.0104	.0027	24.26	.0009	.0093
#2	.5380	.0132	-.0110	.0027	24.31	.0012	.0092

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101410.**	**13955.**	**2344.1**	**7028.2**
Stddev	156.	38.	1.8	5.1
%RSD	.15419	.27226	.07782	.07225
#1	101520.	13982.	2345.4	7031.8
#2	101300.	13928.	2342.9	7024.6

Zoom In Zoom Out

Sample Name: jb69659-4 Acquired: 6/20/2014 21:20:28 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5633**	**.0000**	**.0010**	**.0028**	**.0180**	**.0047**	**.0411**	**.0141**	**.0010**
Stddev	.0011	.0001	.0002	.0002	.0002	.0003	.0001	.0001	.0004
%RSD	.1987	989.5	20.80	5.920	.8363	6.720	.2221	.3821	38.49
#1	.5641	.0000	.0009	.0027	.0181	.0049	.0410	.0141	.0007
#2	.5625	.0000	.0012	.0029	.0179	.0044	.0411	.0142	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0152**	**.0011**	**.0004**	**.0027**	**.0059**	**-.0014**	**.0887**	**112.9**
Stddev	.0000	.0001	.0006	.0001	.0001	.0006	.0003	.0062	.2
%RSD	2.988	.8322	56.79	16.31	5.025	9.652	22.94	6.988	.2050
#1	.0012	.0153	.0006	.0003	.0028	.0055	-.0012	.0843	113.1
#2	.0012	.0151	.0015	.0004	.0026	.0063	-.0016	.0931	112.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.691**	**55.65**	**2.964**	**32.64**	**.0255**	**.0037**	**-.0030**	**10.38**	**.0024**
Stddev	.010	.12	.009	.04	.0004	.0000	.0012	.01	.0002
%RSD	.2109	.2187	.2868	.1250	1.492	.1706	41.41	.0923	7.493
#1	4.698	55.73	2.970	32.67	.0257	.0037	-.0039	10.37	.0023
#2	4.684	55.56	2.958	32.61	.0252	.0037	-.0021	10.39	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.801**	**.0040**	**-.0106**	**-.0001**	**6.195**	**-.0008**	**.0083**
Stddev	.001	.0003	.0002	.0001	.050	.0005	.0009
%RSD	.0676	6.747	1.898	70.25	.8038	66.29	11.23
#1	1.802	.0042	-.0108	-.0001	6.159	-.0004	.0076
#2	1.800	.0038	-.0105	-.0002	6.230	-.0011	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99144.**	**13911.**	**2306.5**	**6850.6**
Stddev	258.	41.	1.7	.5
%RSD	.26022	.29430	.07541	.00762
#1	99326.	13883.	2307.7	6851.0
#2	98962.	13940.	2305.2	6850.2

Zoom In Zoom Out

Sample Name: jb69659-5 Acquired: 6/20/2014 21:26:38 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9159**	**-.0001**	**.0010**	**.0022**	**.0036**	**.0018**	**4.985**	**.0072**	**.0002**
Stddev	.0017	.0001	.0001	.0003	.0002	.0006	.002	.0003	.0002
%RSD	.1883	71.99	14.75	15.19	6.282	32.54	.0490	4.304	140.2
#1	.9147	-.0001	.0011	.0020	.0035	.0022	4.986	.0074	.0000
#2	.9172	.0000	.0009	.0025	.0038	.0013	4.983	.0070	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0030**	**.0071**	**-.0004**	**-.0005**	**.0022**	**.0046**	**-.0005**	**.0254**	**185.4**
Stddev	.0004	.0000	.0007	.0007	.0005	.0010	.0010	.0061	.0
%RSD	13.10	.3430	152.2	144.4	20.79	22.61	188.9	24.12	.0087
#1	.0033	.0071	.0000	-.0009	.0019	.0039	-.0012	.0211	185.4
#2	.0027	.0071	-.0009	.0000	.0026	.0054	.0002	.0297	185.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.787**	**44.20**	**4.494**	**91.28**	**.0535**	**.0016**	**-.0063**	**10.54**	**.0030**
Stddev	.000	.03	.001	.12	.0006	.0000	.0000	.02	.0005
%RSD	.0003	.0603	.0142	.1329	1.204	2.978	.7767	.1700	15.77
#1	1.787	44.22	4.494	91.20	.0531	.0015	-.0063	10.53	.0027
#2	1.787	44.18	4.495	91.37	.0540	.0016	-.0063	10.56	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4160**	**.0024**	**-.0136**	**-.0001**	**7.673**	**.0009**	**.0133**
Stddev	.0014	.0003	.0001	.0003	.021	.0005	.0001
%RSD	.3419	14.09	.4924	327.6	.2733	62.19	.4234
#1	.4150	.0022	-.0135	.0001	7.688	.0005	.0133
#2	.4170	.0026	-.0136	-.0003	7.659	.0013	.0134

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99372.**	**13847.**	**2269.1**	**6651.2**
Stddev	31.	30.	3.1	.1
%RSD	.03142	.21334	.13634	.00105
#1	99394.	13826.	2271.2	6651.2
#2	99350.	13868.	2266.9	6651.1

Zoom In Zoom Out

Sample Name: jb69659-6 Acquired: 6/20/2014 21:32:55 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.704**	**.0001**	**.0023**	**.0102**	**.0771**	**.0325**	**10.53**	**.0639**	**.0000**
Stddev	.005	.0000	.0002	.0004	.0001	.0005	.02	.0002	.0001
%RSD	.2788	8.987	9.653	3.660	.1584	1.596	.1811	.3396	160.2
#1	1.708	.0001	.0025	.0099	.0770	.0321	10.55	.0640	.0000
#2	1.701	.0001	.0022	.0104	.0772	.0328	10.52	.0637	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0149**	**.0976**	**.0076**	**.0009**	**.0148**	**.0041**	**.0000**	**3.533**	**217.4**
Stddev	.0001	.0001	.0004	.0016	.0004	.0001	.000	.016	1.0
%RSD	.7309	.0532	5.508	174.2	3.006	3.170	4151.	.4577	.4519
#1	.0150	.0977	.0079	.0020	.0145	.0042	.0002	3.545	218.1
#2	.0148	.0976	.0073	-.0002	.0151	.0040	-.0003	3.522	216.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.99**	**59.02**	**2.061**	**249.5**	**.0206**	**.0097**	**-.0066**	**17.74**	**.0032**
Stddev	.11	.36	.016	.1	.0005	.0001	.0003	.03	.0003
%RSD	.5557	.6137	.7959	.0410	2.240	.5998	3.858	.1667	9.227
#1	20.07	59.28	2.073	249.5	.0203	.0097	-.0064	17.76	.0030
#2	19.91	58.77	2.049	249.6	.0209	.0098	-.0068	17.72	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3200**	**.0729**	**-.0129**	**.0023**	**4.075**	**.0017**	**.0190**
Stddev	.0007	.0011	.0013	.0000	.012	.0008	.0007
%RSD	.2177	1.441	9.928	.6090	.3048	49.15	3.454
#1	.3205	.0722	-.0120	.0023	4.084	.0011	.0195
#2	.3195	.0737	-.0139	.0024	4.067	.0023	.0185

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98340.**	**13876.**	**2220.7**	**6384.6**
Stddev	120.	120.	.7	1.3
%RSD	.12238	.86340	.03329	.02066
#1	98255.	13791.	2220.2	6385.5
#2	98425.	13961.	2221.2	6383.7

Zoom In Zoom Out

Sample Name: jb69659-7 Acquired: 6/20/2014 21:39:15 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.604**	**-.0001**	**.0017**	**.0086**	**.0155**	**.0148**	**9.866**	**.0173**	**.0003**
Stddev	.001	.0000	.0000	.0002	.0006	.0003	.009	.0001	.0003
%RSD	.0783	30.81	.6913	2.089	3.692	1.864	.0934	.6962	101.1
#1	1.603	-.0001	.0016	.0087	.0159	.0146	9.873	.0173	.0005
#2	1.605	-.0001	.0017	.0084	.0151	.0150	9.860	.0172	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0090**	**.0464**	**.0047**	**.0002**	**.0051**	**.0028**	**-.0008**	**1.049**	**208.6**
Stddev	.0004	.0001	.0001	.0003	.0003	.0011	.0010	.016	.1
%RSD	4.096	.1229	2.261	157.0	5.909	40.74	128.3	1.480	.0371
#1	.0092	.0465	.0048	.0005	.0053	.0036	-.0001	1.038	208.6
#2	.0087	.0464	.0046	.0000	.0049	.0020	-.0015	1.060	208.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.11**	**55.85**	**1.559**	**227.7**	**.0176**	**.0026**	**-.0071**	**12.74**	**.0022**
Stddev	.00	.02	.046	.3	.0002	.0004	.0003	.01	.0001
%RSD	.0422	.0366	2.969	.1305	1.292	16.11	3.991	.0558	3.405
#1	11.11	55.83	1.526	227.9	.0174	.0030	-.0069	12.74	.0022
#2	11.12	55.86	1.592	227.5	.0177	.0023	-.0073	12.73	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3027**	**.0253**	**-.0163**	**.0006**	**3.988**	**.0002**	**.0168**
Stddev	.0005	.0003	.0003	.0000	.028	.0001	.0004
%RSD	.1810	1.071	1.795	.7771	.6934	41.60	2.214
#1	.3023	.0251	-.0165	.0006	3.969	.0003	.0170
#2	.3031	.0255	-.0161	.0006	4.008	.0002	.0165

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98931.**	**14038.**	**2227.1**	**6444.5**
Stddev	81.	57.	1.0	1.8
%RSD	.08236	.40526	.04681	.02789
#1	98989.	13998.	2227.9	6445.8
#2	98874.	14078.	2226.4	6443.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 21:45:40 Type: QC
Method: Accutest1(v181) 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	**2.087**	**2.057**	**2.066**	**2.058**	**2.064**	**2.036**	**2.094**	**2.098**	**.2504**
Stddev	.004	.003	.002	.003	.001	.002	.000	.004	.0000
%RSD	.1736	.1506	.1169	.1236	.0396	.0726	.0118	.1667	.0111
#1	2.089	2.059	2.064	2.056	2.063	2.037	2.095	2.096	.2504
#2	2.084	2.055	2.067	2.060	2.064	2.034	2.094	2.101	.2503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.082**	**2.072**	**2.181**	**2.094**	**2.080**	**2.073**	**40.06**	**40.07**
Stddev	.001	.001	.004	.001	.005	.003	.001	.10	.10
%RSD	.0685	.0296	.1705	.0211	.2471	.1467	.0479	.2481	.2502
#1	2.018	2.081	2.070	2.182	2.090	2.082	2.072	40.13	40.14
#2	2.016	2.082	2.075	2.181	2.097	2.078	2.074	39.99	39.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.94**	**39.68**	**40.46**	**40.78**	**2.085**	**2.078**	**2.034**	**5.089**	**2.107**
Stddev	.03	.08	.03	.08	.003	.002	.001	.005	.001
%RSD	.0721	.2125	.0639	.2030	.1567	.0810	.0424	.0994	.0399
#1	39.96	39.74	40.47	40.84	2.083	2.077	2.034	5.086	2.107
#2	39.92	39.62	40.44	40.72	2.087	2.080	2.033	5.093	2.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 21:45:40 Type: QC
Method: Accutest1(v181) 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	**2.094**	**2.062**	**1.960**	**2.035**	**2.028**	**2.050**	**2.040**
Stddev	.004	.001	.011	.000	.010	.005	.001
%RSD	.2162	.0595	.5501	.0040	.4726	.2268	.0338
#1	2.097	2.061	1.952	2.035	2.021	2.046	2.040
#2	2.091	2.063	1.968	2.035	2.035	2.053	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	**102380.**	**13991.**	**2338.5**	**6897.3**
Stddev	174.	25.	2.4	11.1
%RSD	.17008	.18017	.10392	.16159
#1	102260.	13973.	2340.2	6905.2
#2	102500.	14009.	2336.8	6889.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 21:51:44 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0005**	**.0002**	**.0001**	**.0000**	**.0004**	**.0004**	**-.0001**
Stddev	.0000	.0001	.0001	.0000	.0001	.0000	.0002	.0001	.0000
%RSD	22.95	54.60	28.29	7.090	143.9	14480.	47.99	30.41	21.27
#1	.0002	.0001	.0004	.0003	.0000	.0000	.0002	.0005	-.0001
#2	.0002	.0001	.0006	.0002	.0002	.0000	.0005	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0002**	**.0008**	**-.0004**	**.0006**	**.0005**	**.0099**	**-.0028**
Stddev	.0001	.0001	.0001	.0007	.0005	.0006	.0009	.0030	.0028
%RSD	17.97	64.79	46.39	83.18	107.0	104.5	185.0	29.99	101.6
#1	.0003	.0001	.0003	.0013	-.0001	.0001	.0011	.0078	-.0048
#2	.0003	.0002	.0002	.0003	-.0007	.0010	-.0001	.0120	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0135**	**-.0055**	**.0183**	**.0011**	**.0017**	**.0011**	**.0009**	**-.0009**
Stddev	.0012	.0329	.0352	.0038	.0001	.0005	.0005	.0001	.0002
%RSD	267.1	243.4	635.8	20.96	6.074	26.24	48.35	13.91	23.54
#1	-.0004	.0097	-.0305	.0210	.0012	.0021	.0014	.0008	-.0008
#2	.0014	-.0368	.0194	.0156	.0011	.0014	.0007	.0010	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 21:51:44 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0046**	**.0008**	**.0026**	**.0000**	**.0001**
Stddev	.0001	.0001	.0029	.0002	.0008	.0007	.0007
%RSD	39.18	45.52	63.21	19.39	29.41	9244.	714.9
#1	.0003	.0001	.0067	.0007	.0021	-.0005	-.0004
#2	.0001	.0002	.0026	.0009	.0032	.0005	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**108290.**	**14244.**	**2428.8**	**7547.5**
Stddev	93.	63.	2.3	8.2
%RSD	.08607	.44428	.09639	.10874
#1	108230.	14199.	2430.4	7553.3
#2	108360.	14288.	2427.1	7541.7

Zoom In Zoom Out

Sample Name: jb69659-8 Acquired: 6/20/2014 21:58:02 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**-.0001**	**.0000**	**.0003**	**-.0002**	**.0000**	**.0000**	**-.0001**
Stddev	.0000	.000	.0000	.000	.0000	.0002	.000	.000	.0000
%RSD	11.93	60.89	54.83	248.6	4.747	147.4	176.6	550.1	26.08
#1	-.0002	.0000	-.0001	-.0001	.0003	-.0003	-.0001	-.0002	-.0001
#2	-.0002	-.0001	-.0001	.0000	.0003	.0000	.0000	.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0003**	**-.0004**	**.0002**	**-.0007**	**-.0010**	**.0004**	**-.0008**	**-.0014**
Stddev	.0000	.0001	.0002	.0007	.0000	.0026	.0004	.0036	.0025
%RSD	22.49	33.94	48.89	292.9	6.155	256.0	97.42	481.8	183.7
#1	.0000	.0004	-.0003	-.0003	-.0006	.0008	.0007	-.0033	-.0032
#2	.0000	.0003	-.0006	.0008	-.0007	-.0029	.0001	.0018	.0004

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0037**	**.0019**	**-.0214**	**.0093**	**.0007**	**.0003**	**.0002**	**.0019**	**-.0005**
Stddev	.0022	.0103	.0243	.0030	.0004	.0002	.0003	.0010	.0003
%RSD	59.53	544.3	113.2	32.65	53.04	57.47	136.6	51.98	54.14
#1	-.0022	.0092	-.0043	.0115	.0009	.0002	.0004	.0012	-.0008
#2	-.0053	-.0054	-.0386	.0072	.0004	.0004	.0000	.0025	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0006**	**.0005**	**.0037**	**.0000**	**-.0001**
Stddev	.0000	.0001	.0014	.0001	.0015	.0009	.0005
%RSD	155.4	60.09	233.3	10.13	42.03	3495.	601.5
#1	.0000	-.0002	.0004	.0006	.0047	-.0006	-.0004
#2	.0000	-.0001	-.0016	.0005	.0026	.0007	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109580.**	**14402.**	**2425.9**	**7571.4**
Stddev	306.	8.	1.5	6.3
%RSD	.27929	.05728	.06138	.08312
#1	109360.	14408.	2426.9	7575.8
#2	109790.	14396.	2424.8	7566.9

Zoom In Zoom Out

Sample Name: jb69659-3f Acquired: 6/20/2014 22:04:19 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3119**	**.0002**	**.0008**	**.0003**	**.0041**	**.0033**	**.0043**	**.0048**	**-.0001**
Stddev	.0010	.0000	.0001	.0000	.0003	.0004	.0000	.0002	.0003
%RSD	.3103	13.49	12.79	8.056	7.769	12.61	.2625	4.528	466.2
#1	.3126	.0002	.0009	.0002	.0039	.0036	.0043	.0050	-.0003
#2	.3112	.0002	.0008	.0003	.0043	.0030	.0043	.0047	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.0040**	**.0032**	**-.0025**	**.0020**	**.0045**	**-.0001**	**.0082**	**70.51**
Stddev	.0000	.0002	.0005	.0007	.0000	.0011	.0008	.0056	.33
%RSD	.6776	5.953	16.98	28.53	.2205	24.73	1480.	68.64	.4705
#1	.0033	.0042	.0036	-.0030	.0020	.0037	-.0006	.0122	70.74
#2	.0033	.0039	.0028	-.0020	.0020	.0053	.0005	.0042	70.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**18.11**	**13.53**	**25.64**	**.0330**	**.0227**	**-.0024**	**9.001**	**.0027**
Stddev	.0005	.05	.02	.09	.0000	.0001	.0006	.015	.0004
%RSD	10.07	.2684	.1833	.3556	.0130	.4704	27.33	.1651	15.67
#1	.0047	18.14	13.55	25.70	.0330	.0228	-.0019	8.990	.0029
#2	.0054	18.08	13.51	25.57	.0330	.0226	-.0028	9.011	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4695**	**.0007**	**.0076**	**.0036**	**23.17**	**.0001**	**.0096**
Stddev	.0000	.0002	.0021	.0003	.04	.0006	.0003
%RSD	.0070	27.90	27.15	7.308	.1915	406.2	2.796
#1	.4695	.0009	.0090	.0038	23.13	-.0003	.0098
#2	.4694	.0006	.0061	.0034	23.20	.0006	.0094

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97333.**	**14279.**	**2273.2**	**6826.9**
Stddev	166.	71.	8.9	18.8
%RSD	.17022	.49416	.39350	.27607
#1	97216.	14229.	2279.6	6840.2
#2	97450.	14329.	2266.9	6813.5

Zoom In Zoom Out

Sample Name: jb69659-4f Acquired: 6/20/2014 22:10:33 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 25th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5820**	**.0000**	**.0005**	**.0011**	**.0014**	**.0014**	**.0125**	**.0043**	**-.0002**
Stddev	.0009	.0000	.0001	.0002	.0000	.0002	.0000	.0002	.0002
%RSD	.1474	449.6	26.98	14.91	2.447	13.09	.1012	4.737	86.11
#1	.5826	.0000	.0004	.0010	.0014	.0012	.0125	.0044	-.0001
#2	.5814	.0000	.0006	.0012	.0015	.0015	.0125	.0042	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0087**	**.0004**	**.0006**	**.0033**	**.0022**	**-.0005**	**.0048**	**114.9**
Stddev	.0001	.0002	.0006	.0011	.0007	.0009	.0002	.0057	.4
%RSD	7.775	2.455	139.4	173.5	21.33	39.11	33.04	118.9	.3576
#1	.0015	.0086	.0000	.0014	.0038	.0029	-.0004	.0089	114.6
#2	.0014	.0089	.0008	-.0001	.0028	.0016	-.0007	.0008	115.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2047**	**56.69**	**3.044**	**33.25**	**.0256**	**.0029**	**-.0040**	**10.62**	**.0024**
Stddev	.0003	.29	.036	.01	.0006	.0005	.0008	.01	.0003
%RSD	.1339	.5092	1.199	.0289	2.259	16.42	18.85	.1275	11.14
#1	.2045	56.49	3.018	33.25	.0252	.0025	-.0045	10.61	.0026
#2	.2049	56.90	3.070	33.26	.0260	.0032	-.0035	10.63	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.859**	**.0009**	**.0046**	**.0005**	**6.535**	**-.0001**	**.0081**
Stddev	.001	.0004	.0008	.0000	.026	.0012	.0003
%RSD	.0438	40.98	17.68	.3169	.4019	1622.	3.737
#1	1.860	.0006	.0052	.0005	6.517	.0007	.0084
#2	1.859	.0012	.0040	.0005	6.554	-.0009	.0079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98778.**	**14094.**	**2248.3**	**6707.4**
Stddev	70.	47.	5.0	7.9
%RSD	.07054	.33624	.22382	.11804
#1	98827.	14127.	2251.8	6713.0
#2	98729.	14060.	2244.7	6701.8

Zoom In Zoom Out

Sample Name: mp80168-mb1 2 Acquired: 6/20/2014 22:16:45 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**.0002**	**.0001**	**-.0003**	**-.0004**	**.0010**	**-.0001**	**-.0001**
Stddev	.0000	.0000	.0002	.0001	.0002	.0002	.0001	.0002	.0000
%RSD	14.97	11.15	95.67	194.7	78.42	56.55	6.486	226.9	12.62
#1	-.0001	-.0001	.0001	.0000	-.0001	-.0005	.0009	-.0002	-.0001
#2	-.0002	-.0001	.0003	.0002	-.0004	-.0002	.0010	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0008**	**-.0007**	**.0003**	**-.0001**	**.0033**	**.0010**	**-.0041**	**-.0037**
Stddev	.0002	.0001	.0000	.0011	.0005	.0008	.0013	.0009	.0003
%RSD	201.0	7.403	2.358	445.0	842.1	22.82	138.7	22.73	8.266
#1	.0002	.0008	-.0007	.0011	-.0004	.0028	.0000	-.0048	-.0039
#2	.0000	.0007	-.0007	-.0005	.0003	.0038	.0019	-.0034	-.0035

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0024**	**.0085**	**-.0252**	**.0033**	**-.0005**	**-.0004**	**.0013**	**.0193**	**-.0009**
Stddev	.0006	.0062	.0232	.0035	.0000	.0001	.0006	.0004	.0006
%RSD	24.47	73.75	91.99	103.7	7.328	35.04	45.70	2.303	66.74
#1	-.0028	.0040	-.0417	.0009	-.0006	-.0003	.0017	.0190	-.0005
#2	-.0020	.0129	-.0088	.0058	-.0005	-.0005	.0009	.0197	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0119**	**.0000**	**.0056**	**-.0009**	**-.0007**
Stddev	.000	.000	.0012	.0001	.0010	.0006	.0009
%RSD	394.4	692.0	10.01	4548.	18.62	68.68	119.4
#1	-.0001	.0002	-.0110	-.0001	.0048	-.0013	-.0001
#2	.0000	-.0002	-.0127	.0001	.0063	-.0005	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110500.**	**14437.**	**2393.6**	**7500.3**
Stddev	257.	30.	4.9	14.4
%RSD	.23251	.20636	.20352	.19172
#1	110320.	14416.	2397.1	7510.4
#2	110680.	14458.	2390.2	7490.1

Zoom In Zoom Out

Sample Name: mp80168-lc1 Acquired: 6/20/2014 22:23:00 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5126**	**.4871**	**.4950**	**.4742**	**.4897**	**.4669**	**.4942**	**.4977**	**.1890**
Stddev	.0012	.0014	.0022	.0021	.0005	.0007	.0008	.0041	.0012
%RSD	.2401	.2798	.4422	.4363	.1018	.1415	.1650	.8164	.6464
#1	.5135	.4881	.4935	.4727	.4901	.4665	.4936	.4948	.1881
#2	.5118	.4862	.4966	.4757	.4893	.4674	.4948	.5006	.1898

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4786**	**.4986**	**.5011**	**.5141**	**.4948**	**.5290**	**.4909**	**4.992**	**5.467**
Stddev	.0009	.0013	.0048	.0026	.0016	.0047	.0019	.034	.030
%RSD	.1966	.2665	.9640	.5008	.3161	.8949	.3893	.6706	.5443
#1	.4780	.4977	.4977	.5123	.4936	.5257	.4895	5.016	5.488
#2	.4793	.4996	.5045	.5160	.4959	.5324	.4922	4.968	5.446

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.358**	**5.364**	**9.964**	**10.26**	**.0078**	**.4901**	**.0008**	**.0767**	**.0010**
Stddev	.004	.054	.055	.08	.0008	.0012	.0004	.0016	.0001
%RSD	.0812	1.004	.5508	.7679	10.79	.2354	52.54	2.026	6.423
#1	5.361	5.402	10.00	10.32	.0072	.4893	.0005	.0756	.0010
#2	5.355	5.326	9.925	10.21	.0084	.4909	.0012	.0778	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4876**	**-.0019**	**.0062**	**.0052**	**.0002**	**.0009**
Stddev	.0001	.0009	.0009	.0001	.0014	.0013	.0000
%RSD	45.74	.1891	45.38	1.742	27.64	696.7	.6439
#1	-.0003	.4869	-.0025	.0062	.0042	-.0007	.0009
#2	-.0001	.4882	-.0013	.0061	.0062	.0011	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107190.**	**14508.**	**2351.3**	**7205.4**
Stddev	4.	111.	1.9	14.4
%RSD	.00404	.76611	.08219	.19946
#1	107190.	14430.	2352.6	7215.6
#2	107190.	14587.	2349.9	7195.2

Zoom In Zoom Out

Sample Name: mp80168-s1 Acquired: 6/20/2014 22:29:04 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.809**	**.0565**	**.0542**	**.5383**	**.2130**	**.2710**	**.9775**	**.5561**	**.0570**
Stddev	.001	.0001	.0001	.0004	.0014	.0007	.0003	.0003	.0002
%RSD	.0441	.2171	.2142	.0759	.6414	.2699	.0303	.0479	.4154
#1	2.808	.0564	.0541	.5386	.2120	.2715	.9773	.5563	.0569
#2	2.810	.0566	.0543	.5380	.2140	.2705	.9777	.5559	.0572

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5311**	**.5416**	**2.342**	**2.190**	**.5516**	**2.455**	**.5675**	**2.016**	**110.6**
Stddev	.0011	.0005	.000	.003	.0010	.007	.0022	.001	.1
%RSD	.2059	.0918	.0073	.1477	.1759	.2934	.3867	.0677	.0876
#1	.5319	.5420	2.343	2.188	.5523	2.449	.5659	2.015	110.5
#2	.5303	.5413	2.342	2.193	.5509	2.460	.5690	2.017	110.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.089**	**40.31**	**161.2**	**171.2**	**.4955**	**.0050**	**-.0034**	**9.275**	**.0025**
Stddev	.006	.10	.0	1.2	.0008	.0001	.0002	.028	.0006
%RSD	.5856	.2460	.0229	.6760	.1644	2.660	5.042	.2976	23.39
#1	1.085	40.24	161.1	170.3	.4949	.0051	-.0035	9.255	.0021
#2	1.094	40.38	161.2	172.0	.4960	.0049	-.0033	9.294	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.992**	**.0023**	**.0110**	**.0046**	**17.81**	**-.0009**	**.0264**
Stddev	.002	.0001	.0012	.0000	.07	.0004	.0005
%RSD	.1137	6.200	10.70	.5908	.3718	52.01	1.959
#1	1.990	.0022	.0118	.0046	17.76	-.0005	.0267
#2	1.993	.0024	.0102	.0045	17.86	-.0012	.0260

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94332.**	**14230.**	**2167.4**	**6285.8**
Stddev	17.	20.	2.9	.7
%RSD	.01834	.14226	.13158	.01174
#1	94344.	14244.	2169.4	6286.3
#2	94320.	14215.	2165.4	6285.2

Zoom In Zoom Out

Sample Name: mp80168-s2 Acquired: 6/20/2014 22:35:12 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.755**	**.0552**	**.0537**	**.5307**	**.2078**	**.2668**	**.9710**	**.5515**	**.0565**
Stddev	.011	.0003	.0003	.0001	.0002	.0003	.0061	.0001	.0001
%RSD	.3814	.5765	.4674	.0140	.1111	.1110	.6267	.0118	.1667
#1	2.762	.0554	.0535	.5306	.2079	.2670	.9667	.5515	.0566
#2	2.747	.0549	.0538	.5307	.2076	.2666	.9753	.5516	.0564

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5213**	**.5284**	**2.322**	**2.168**	**.5457**	**2.425**	**.5572**	**1.980**	**108.7**
Stddev	.0014	.0003	.002	.000	.0001	.001	.0013	.018	.5
%RSD	.2703	.0627	.0938	.0185	.0246	.0579	.2384	.8880	.4765
#1	.5203	.5287	2.320	2.168	.5456	2.424	.5563	1.992	109.1
#2	.5223	.5282	2.323	2.168	.5457	2.426	.5582	1.967	108.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.061**	**39.67**	**157.7**	**164.8**	**.4944**	**.0044**	**-.0048**	**9.165**	**.0031**
Stddev	.009	.23	.7	.8	.0012	.0001	.0011	.011	.0007
%RSD	.8619	.5792	.4418	.4953	.2482	2.261	22.82	.1183	22.19
#1	1.055	39.83	158.2	164.2	.4935	.0044	-.0040	9.157	.0026
#2	1.068	39.51	157.3	165.4	.4953	.0045	-.0056	9.172	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.958**	**.0022**	**.0049**	**.0031**	**17.50**	**.0001**	**.0263**
Stddev	.014	.0000	.0015	.0000	.01	.0005	.0001
%RSD	.7258	.6402	30.49	.5578	.0553	927.8	.2485
#1	1.968	.0022	.0059	.0031	17.50	.0004	.0264
#2	1.948	.0022	.0038	.0031	17.49	-.0003	.0263

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93292.**	**14204.**	**2150.9**	**6214.3**
Stddev	474.	6.	4.5	11.4
%RSD	.50822	.04032	.20717	.18401
#1	93627.	14200.	2154.1	6222.4
#2	92956.	14208.	2147.8	6206.2

Zoom In Zoom Out

Sample Name: jb69340-1f Acquired: 6/20/2014 22:41:20 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6391**	**.0026**	**.0009**	**.0023**	**.0010**	**.0040**	**.4098**	**.0034**	**-.0002**
Stddev	.0009	.0001	.0000	.0004	.0001	.0004	.0005	.0001	.0002
%RSD	.1401	3.250	.8291	17.47	9.944	10.04	.1255	2.600	70.98
#1	.6397	.0026	.0009	.0026	.0009	.0037	.4101	.0033	-.0001
#2	.6385	.0025	.0009	.0020	.0010	.0042	.4094	.0035	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0062**	**.0005**	**-.0444**	**.0026**	**.0045**	**-.0002**	**-.0074**	**85.45**
Stddev	.0002	.0001	.0003	.0012	.0005	.0020	.0011	.0037	.10
%RSD	19.18	1.221	63.30	2.724	18.79	44.60	749.2	50.34	.1162
#1	.0012	.0062	.0003	-.0435	.0022	.0031	.0006	-.0100	85.38
#2	.0009	.0061	.0007	-.0452	.0029	.0060	-.0009	-.0048	85.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0010**	**15.17**	**131.6**	**144.4**	**.4843**	**.0030**	**-.0027**	**8.966**	**.0020**
Stddev	.0019	.06	.2	.0	.0023	.0001	.0004	.011	.0007
%RSD	185.8	.4279	.1455	.0295	.4810	2.995	15.11	.1189	37.60
#1	-.0003	15.13	131.8	144.5	.4859	.0031	-.0024	8.974	.0025
#2	.0023	15.22	131.5	144.4	.4826	.0030	-.0030	8.959	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.976**	**.0007**	**-.0038**	**.0011**	**17.39**	**.0011**	**.0254**
Stddev	.001	.0006	.0006	.0001	.06	.0001	.0006
%RSD	.0543	86.01	14.99	11.80	.3592	10.95	2.497
#1	1.976	.0011	-.0034	.0011	17.44	.0012	.0259
#2	1.975	.0003	-.0042	.0010	17.35	.0010	.0250

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96718.**	**14361.**	**2185.5**	**6391.8**
Stddev	306.	22.	3.4	1.3
%RSD	.31613	.15240	.15362	.01979
#1	96502.	14345.	2183.1	6390.9
#2	96934.	14376.	2187.9	6392.7

Zoom In Zoom Out

Sample Name: mp80168-sd1 Acquired: 6/20/2014 22:47:32 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6236**	**.0022**	**.0024**	**.0038**	**.0030**	**.0064**	**.4157**	**.0049**	**-.0008**
Stddev	.0003	.0001	.0006	.0002	.0008	.0004	.0008	.0023	.0027
%RSD	.0485	2.824	22.58	5.821	26.05	5.642	.2043	47.78	340.0
#1	.6238	.0022	.0028	.0040	.0035	.0061	.4151	.0065	.0011
#2	.6234	.0021	.0020	.0037	.0024	.0066	.4163	.0032	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0097**	**-.0047**	**-.0411**	**-.0008**	**.0112**	**.0023**	**-.0279**	**82.23**
Stddev	.0002	.0002	.0011	.0104	.0026	.0081	.0011	.0017	.04
%RSD	10.57	1.718	23.42	25.23	349.3	72.15	49.32	6.109	.0446
#1	.0021	.0096	-.0039	-.0484	.0011	.0169	.0031	-.0267	82.21
#2	.0018	.0099	-.0055	-.0337	-.0026	.0055	.0015	-.0291	82.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0129**	**14.82**	**128.2**	**139.8**	**.4590**	**.0006**	**-.0012**	**8.740**	**.0052**
Stddev	.0128	.03	.2	.1	.0018	.0007	.0051	.008	.0003
%RSD	98.84	.2206	.1697	.0719	.3841	120.6	411.5	.0949	6.484
#1	-.0220	14.80	128.3	139.9	.4577	.0011	-.0049	8.734	.0054
#2	-.0039	14.84	128.0	139.8	.4602	.0001	.0024	8.745	.0050

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.882**	**.0004**	**-.0880**	**-.0009**	**16.40**	**.0008**	**.0250**
Stddev	.001	.0005	.0004	.0006	.00	.0018	.0034
%RSD	.0560	123.4	.4045	67.23	.0185	214.5	13.41
#1	1.883	.0007	-.0877	-.0005	16.40	.0021	.0274
#2	1.881	.0000	-.0882	-.0014	16.40	-.0004	.0226

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100090.**	**14445.**	**2286.9**	**6926.8**
Stddev	188.	15.	3.3	3.6
%RSD	.18765	.10305	.14360	.05148
#1	100230.	14435.	2289.3	6924.3
#2	99960.	14456.	2284.6	6929.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 22:53:47 Type: QC
Method: Accutest1(v181) 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	**2.137**	**2.055**	**2.111**	**2.079**	**2.055**	**2.068**	**2.069**	**2.125**	**.2490**
Stddev	.006	.002	.007	.009	.017	.004	.008	.012	.0001
%RSD	.3024	.0907	.3199	.4191	.8144	.2000	.3669	.5415	.0411
#1	2.133	2.054	2.106	2.073	2.066	2.071	2.074	2.117	.2490
#2	2.142	2.057	2.115	2.085	2.043	2.065	2.064	2.134	.2491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**2.072**	**2.129**	**2.188**	**2.108**	**2.153**	**2.138**	**40.82**	**40.13**
Stddev	.010	.003	.012	.008	.006	.013	.006	.05	.00
%RSD	.5058	.1228	.5599	.3688	.2787	.6148	.2668	.1191	.0053
#1	2.020	2.071	2.121	2.183	2.104	2.144	2.134	40.79	40.13
#2	2.005	2.074	2.138	2.194	2.112	2.163	2.142	40.86	40.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.63**	**39.42**	**41.00**	**41.57**	**2.160**	**2.117**	**2.030**	**5.268**	**2.133**
Stddev	.03	.12	.07	.04	.009	.005	.006	.008	.012
%RSD	.0776	.3117	.1796	.0919	.4382	.2615	.2865	.1532	.5535
#1	39.65	39.51	40.94	41.54	2.153	2.113	2.034	5.262	2.124
#2	39.61	39.34	41.05	41.60	2.167	2.121	2.026	5.274	2.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 22:53:47 Type: QC
Method: Accutest1(v181) 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	**2.156**	**2.051**	**1.927**	**2.055**	**2.063**	**2.122**	**2.073**
Stddev	.007	.006	.020	.010	.002	.002	.004
%RSD	.3216	.2867	1.022	.5063	.0788	.0837	.1678
#1	2.151	2.055	1.913	2.062	2.062	2.121	2.070
#2	2.161	2.047	1.941	2.047	2.064	2.123	2.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101230.**	**14146.**	**2238.4**	**6632.8**
Stddev	302.	54.	5.2	27.9
%RSD	.29824	.38157	.23343	.42137
#1	101020.	14107.	2242.1	6652.6
#2	101450.	14184.	2234.7	6613.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/20/2014 22:59:50 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0004**	**.0004**	**.0001**	**.0002**	**.0003**	**.0001**	**-.0002**
Stddev	.0000	.0000	.0001	.0002	.0002	.0002	.0001	.0002	.0000
%RSD	2.745	14.77	23.18	62.71	291.7	74.25	16.26	206.4	6.703
#1	.0000	.0002	.0003	.0005	.0002	.0001	.0004	.0002	-.0002
#2	.0000	.0002	.0005	.0002	-.0001	.0003	.0003	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0000**	F **.0022**	**.0001**	**.0024**	**.0007**	**-.0005**	**.0023**
Stddev	.0001	.0002	.0004	.0000	.0003	.0010	.0002	.0058	.0010
%RSD	13.75	69.13	1771.	2.193	194.1	41.52	30.34	1052.	42.84
#1	.0004	.0003	.0003	.0023	-.0001	.0017	.0006	-.0046	.0030
#2	.0005	.0001	-.0003	.0022	.0003	.0031	.0009	.0035	.0016
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	**.0039**	**.0065**	**-.0075**	**.0102**	**.0021**	**.0013**	**.0014**	**.0007**	**-.0001**
Stddev	.0020	.0129	.0160	.0067	.0007	.0003	.0013	.0005	.0008
%RSD	51.48	198.8	212.6	65.06	34.89	25.51	97.06	66.64	646.1
#1	.0054	-.0026	.0038	.0150	.0026	.0016	.0023	.0004	-.0007
#2	.0025	.0157	-.0189	.0055	.0016	.0011	.0004	.0011	.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: 6/20/2014 22:59:50 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0005**	**-.0069**	**.0007**	**.0035**	**.0008**	**.0010**
Stddev	.0000	.0004	.0003	.0001	.0013	.0001	.0003
%RSD	12.80	85.24	3.872	8.905	38.05	15.12	30.11
#1	.0003	.0008	-.0071	.0006	.0026	.0009	.0008
#2	.0004	.0002	-.0068	.0007	.0045	.0007	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104030.**	**14249.**	**2313.4**	**7232.1**
Stddev	5.	85.	2.2	4.8
%RSD	.00446	.59780	.09336	.06595
#1	104040.	14309.	2311.9	7228.7
#2	104030.	14189.	2314.9	7235.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 23:06:09 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2139**	**.0022**	**.0034**	**.0521**	**.0107**	**.0106**	**.0164**	**.0109**	**.0049**
Stddev	.0002	.0000	.0002	.0001	.0000	.0002	.0001	.0001	.0001
%RSD	.0954	.2964	6.374	.2867	.0073	1.626	.3844	1.175	2.000
#1	.2140	.0022	.0035	.0522	.0107	.0105	.0165	.0108	.0049
#2	.2137	.0022	.0032	.0520	.0107	.0107	.0164	.0110	.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0540**	**.0237**	**.0086**	**.0105**	**.0028**	**.0128**	**.0062**	**.2041**	**4.862**
Stddev	.0004	.0003	.0008	.0003	.0007	.0010	.0010	.0017	.009
%RSD	.7148	1.283	8.840	3.274	25.20	7.744	16.51	.8238	.1937
#1	.0542	.0239	.0091	.0108	.0034	.0121	.0055	.2053	4.868
#2	.0537	.0235	.0080	.0103	.0023	.0135	.0069	.2029	4.855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1026**	**4.882**	**5.097**	**5.152**	**.1098**	**.0221**	**.0609**	**.2186**	**.0115**
Stddev	.0019	.022	.004	.011	.0009	.0001	.0004	.0001	.0007
%RSD	1.893	.4466	.0716	.2221	.8463	.3828	.6129	.0445	6.451
#1	.1040	4.898	5.100	5.160	.1092	.0222	.0606	.2185	.0109
#2	.1013	4.867	5.095	5.144	.1105	.0221	.0612	.2187	.0120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/20/2014 23:06:09 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0110**	**.0111**	**.0475**	**.0123**	**.0542**	**.0226**	**.0224**
Stddev	.0000	.0003	.0004	.0002	.0029	.0004	.0005
%RSD	.1062	2.448	.9200	1.911	5.411	1.991	2.387
#1	.0110	.0113	.0478	.0125	.0563	.0223	.0220
#2	.0110	.0109	.0472	.0122	.0522	.0229	.0228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103850.**	**14380.**	**2312.0**	**7123.5**
Stddev	15.	62.	9.3	33.0
%RSD	.01427	.43268	.40373	.46372
#1	103860.	14336.	2318.6	7146.8
#2	103840.	14424.	2305.4	7100.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/20/2014 23:12:24 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0013**	**.0032**	**.0021**	**.0021**	**.0031**	**.0046**	**.0012**
Stddev	.0001	.0001	.0002	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	1.775	6.209	17.58	2.155	8.560	2.642	.3313	2.707	12.25
#1	.0041	.0009	.0011	.0032	.0019	.0020	.0031	.0047	.0011
#2	.0040	.0010	.0014	.0033	.0022	.0021	.0031	.0045	.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**	**.0117**	**.0022**	**.0024**	**.0020**	F **.0077**	**.0038**	**.1064**	**.9915**
Stddev	.0001	.0001	.0001	.0012	.0003	.0018	.0005	.0049	.0043
%RSD	5.678	.5600	4.518	49.11	15.57	23.73	12.54	4.647	.4385
#1	.0021	.0116	.0022	.0016	.0018	.0064	.0035	.1029	.9946
#2	.0020	.0117	.0023	.0033	.0023	.0090	.0041	.1099	.9885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0050			
Range						30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0038**	**.0950**	**2.071**	**1.042**	**.0105**	**-.0004**	**.0000**	**-.0015**	**-.0007**
Stddev	.0004	.0048	.024	.003	.0004	.0001	.0001	.0001	.0004
%RSD	11.12	5.077	1.167	.3029	3.678	18.77	324.9	9.169	62.22
#1	-.0035	.0984	2.054	1.044	.0108	-.0005	.0001	-.0016	-.0010
#2	-.0041	.0916	2.088	1.040	.0102	-.0004	.0000	-.0014	-.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: 6/20/2014 23:12:24 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0166**	**-.0003**	**.0032**	**.0000**	**-.0004**
Stddev	.000	.0004	.0015	.0001	.0011	.0001	.0003
%RSD	1691.	126.7	8.946	30.58	35.12	23810.	77.57
#1	-.0001	.0000	-.0177	-.0002	.0040	-.0001	-.0002
#2	.0001	-.0005	-.0156	-.0003	.0024	.0001	-.0006
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105620.**	**14411.**	**2319.3**	**7234.1**
Stddev	112.	45.	4.2	19.0
%RSD	.10638	.30971	.18021	.26245
#1	105540.	14379.	2322.2	7247.5
#2	105700.	14442.	2316.3	7220.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 23:18:43 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0000**	**.0001**	**-.0002**	**.0005**	**-.0001**	**.0002**	**-.0002**
Stddev	.0001	.000	.000	.0000	.0002	.0001	.0000	.0001	.0000
%RSD	119.6	289.8	610.3	27.69	76.19	28.60	9.582	30.08	12.60
#1	-.0001	-.0001	.0001	.0001	-.0001	.0006	-.0001	.0002	-.0003
#2	.0000	.0000	-.0001	.0001	-.0004	.0004	-.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**	**.0001**	**.0208**	**-.0002**	**.0203**	**.0247**	**.0214**	**.4814**	**-.0046**
Stddev	.0002	.0000	.0000	.0002	.0001	.0009	.0000	.0028	.0016
%RSD	141.8	21.79	.0349	68.63	.6653	3.820	.2116	.5885	33.84
#1	.0003	.0001	.0208	-.0001	.0204	.0253	.0214	.4794	-.0057
#2	.0000	.0001	.0208	-.0003	.0202	.0240	.0214	.4834	-.0035
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	**.5150**	**-.0100**	**-.0267**	**-.0092**	**-.0002**	**-.0007**	**-.0001**	**-.0021**	**-.0007**
Stddev	.0012	.0000	.0194	.0091	.0001	.0001	.0007	.0009	.0003
%RSD	.2236	.4250	72.69	98.39	68.65	15.81	1302.	44.44	44.71
#1	.5158	-.0100	-.0130	-.0157	-.0001	-.0008	-.0005	-.0027	-.0010
#2	.5141	-.0101	-.0405	-.0028	-.0003	-.0006	.0004	-.0014	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/20/2014 23:18:43 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0161**	**-.0003**	**.0037**	**.0006**	**.0015**
Stddev	.0001	.0001	.0010	.0001	.0001	.0009	.0001
%RSD	214.7	145.3	5.978	25.73	2.773	161.7	5.227
#1	.0000	-.0002	-.0168	-.0003	.0036	.0012	.0014
#2	-.0001	.0000	-.0154	-.0002	.0038	-.0001	.0015
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	**103390.**	**14478.**	**2311.2**	**7215.1**
Stddev	131.	66.	4.1	2.4
%RSD	.12709	.45516	.17879	.03376
#1	103300.	14432.	2314.1	7213.3
#2	103480.	14525.	2308.3	7216.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 23:25:02 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0003**	**.0007**	**.0001**	**-.0040**	**-.0015**	**.0004**	**-.0032**
Stddev	.0000	.0000	.0002	.0003	.0002	.0003	.0002	.0006	.0002
%RSD	3.165	7.770	64.64	36.55	157.1	7.736	10.19	174.7	6.587
#1	-.0011	-.0001	.0002	.0009	.0003	-.0042	-.0016	-.0001	-.0033
#2	-.0011	-.0001	.0005	.0005	.0000	-.0038	-.0014	.0008	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0022**	**.0023**	**.0000**	**.0053**	**-.0154**	**.0010**	**510.4**	**368.5**
Stddev	.0000	.0001	.0001	.001	.0016	.0024	.0014	1.9	3.7
%RSD	3.209	3.379	5.606	11360.	29.15	15.58	133.7	.3625	1.007
#1	-.0008	-.0022	.0024	.0010	.0065	-.0171	.0001	511.7	365.8
#2	-.0008	-.0023	.0023	-.0010	.0042	-.0137	.0020	509.0	371.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**183.7**	**505.0**	**-.0441**	**-.0026**	**-.0140**	**.0079**	**-.0133**	**-.0083**	**.0092**
Stddev	1.0	2.9	.0104	.0013	.0011	.0001	.0007	.0005	.0002
%RSD	.5295	.5761	23.63	51.59	8.019	1.167	4.959	5.662	1.718
#1	183.0	507.1	-.0514	-.0016	-.0132	.0078	-.0128	-.0080	.0091
#2	184.3	503.0	-.0367	-.0035	-.0148	.0079	-.0138	-.0087	.0093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/20/2014 23:25:02 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0022**	**.0021**	F **.0234**	**-.0089**	**.0044**	**.0055**
Stddev	.0002	.0001	.0038	.0001	.0033	.0002	.0014
%RSD	121.7	4.745	183.5	.5870	37.45	3.460	24.84
#1	.0000	.0023	.0048	.0235	-.0065	.0043	.0065
#2	-.0004	.0021	-.0006	.0233	-.0112	.0045	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89299.**	**13886.**	**2014.0**	**5816.2**
Stddev	38.	32.	5.6	19.0
%RSD	.04255	.22949	.27901	.32681
#1	89326.	13909.	2018.0	5829.7
#2	89273.	13863.	2010.0	5802.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 23:31:25 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5236**	**.4941**	**1.057**	**.4866**	**.4777**	**.5443**	**.4979**	**.9787**	**1.068**
Stddev	.0008	.0004	.001	.0003	.0014	.0017	.0009	.0007	.001
%RSD	.1612	.0712	.0458	.0672	.2898	.3034	.1816	.0667	.1088
#1	.5230	.4938	1.057	.4864	.4767	.5455	.4972	.9791	1.068
#2	.5242	.4943	1.057	.4869	.4787	.5432	.4985	.9782	1.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4867**	**.9407**	**1.130**	**1.007**	**.9669**	**1.143**	**1.113**	**507.2**	**362.6**
Stddev	.0008	.0003	.003	.000	.0015	.003	.003	1.5	1.9
%RSD	.1712	.0349	.2202	.0423	.1557	.2736	.2262	.3047	.5362
#1	.4861	.9409	1.131	1.007	.9679	1.141	1.112	506.1	364.0
#2	.4873	.9404	1.128	1.007	.9658	1.145	1.115	508.3	361.3
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	**182.5**	**502.6**	**-.0242**	**-.0029**	**-.0139**	**.5291**	**.5569**	**-.0091**	**.0086**
Stddev	.4	.3	.0092	.0004	.0001	.0010	.0020	.0014	.0004
%RSD	.2108	.0524	38.15	13.42	.3883	.1980	.3594	15.24	4.513
#1	182.8	502.4	-.0307	-.0031	-.0138	.5284	.5584	-.0081	.0083
#2	182.2	502.8	-.0177	-.0026	-.0139	.5299	.5555	-.0101	.0088
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/20/2014 23:31:25 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0054**	F **.6142**	**.5545**	**.5167**	**.5890**	**.5607**
Stddev	.0002	.0001	.0010	.0041	.0053	.0004	.0005
%RSD	49.88	1.812	.1582	.7324	1.022	.0709	.0859
#1	-.0005	.0054	.6149	.5516	.5130	.5887	.5604
#2	-.0002	.0055	.6136	.5574	.5204	.5893	.5611
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	**92198.**	**13966.**	**2048.7**	**5960.6**
Stddev	35.	7.	2.8	7.4
%RSD	.03744	.04972	.13715	.12376
#1	92173.	13961.	2046.7	5955.4
#2	92222.	13971.	2050.7	5965.8

Zoom In Zoom Out

Sample Name: CACONF Acquired: 6/20/2014 23:37:41 Type: Unk
Method: Accutest1(v181) Mode: CONC 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**	**.0008**	**.0012**	**.0010**	**.0016**	**.0001**	**.0012**	**.0008**
Stddev	.0000	.0000	.0001	.0000	.0005	.0001	.0000	.0005	.0001
%RSD	30.33	7.967	17.38	2.663	51.50	3.584	9.784	45.33	13.40
#1	-.0001	-.0001	.0007	.0011	.0014	.0017	.0001	.0016	.0008
#2	-.0001	-.0001	.0009	.0012	.0006	.0016	.0001	.0008	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**-.0012**	**-.0015**	**.0001**	**-.0003**	**.0042**	**-.0003**	**.1080**	**410.3**
Stddev	.0002	.0002	.0000	.0010	.0002	.0019	.0002	.0453	3.5
%RSD	83.33	15.49	2.709	2081.	76.40	43.98	46.04	41.96	.8434
#1	.0001	-.0010	-.0015	.0008	-.0001	.0056	-.0004	.1400	407.8
#2	.0004	-.0013	-.0014	-.0007	-.0004	.0029	-.0002	.0759	412.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0292**	**.0941**	**-.0313**	**.0015**	**-.0098**	**.0016**	**-.0116**	**.0114**	**.0023**
Stddev	.0150	.0207	.0011	.0071	.0006	.0004	.0000	.0006	.0007
%RSD	51.48	22.06	3.535	461.9	6.382	25.32	.2447	5.158	28.85
#1	.0398	.1087	-.0306	.0065	-.0103	.0019	-.0116	.0118	.0027
#2	.0186	.0794	-.0321	-.0035	-.0094	.0013	-.0116	.0110	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0006**	**.0015**	**-.0165**	**.0097**	**.0017**	**.0013**	**.0027**
Stddev	.0002	.0004	.0002	.0003	.0020	.0009	.0011
%RSD	32.40	24.68	1.370	3.125	118.4	73.43	41.35
#1	-.0005	.0013	-.0167	.0099	.0003	.0019	.0035
#2	-.0008	.0018	-.0164	.0095	.0031	.0006	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98750.**	**13761.**	**2100.5**	**6305.5**
Stddev	103.	28.	.1	7.1
%RSD	.10404	.20132	.00239	.11182
#1	98822.	13781.	2100.5	6310.5
#2	98677.	13742.	2100.4	6300.6

Zoom In Zoom Out

Sample Name: SRCONF Acquired: 6/20/2014 23:44:04 Type: Unk
Method: Accutest1(v181) Mode: CONC 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**	**.0006**	**-.0001**	**-.0001**	**.0006**	**.0000**	**.0004**	**-.0002**
Stddev	.0000	.000	.0001	.0001	.0003	.0001	.0000	.0001	.0001
%RSD	10.19	9.779	8.920	101.1	368.6	12.53	1096.	14.10	68.76
#1	-.0003	-.0001	.0006	-.0001	.0001	.0007	.0000	.0005	-.0001
#2	-.0002	.0000	.0007	.0000	-.0003	.0006	.0000	.0004	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0005**	**-.0004**	**.0007**	**.0044**	**.0026**	**-.0007**	**.0338**	**.0475**
Stddev	.000	.0002	.0002	.0007	.0000	.0036	.0016	.0168	.0189
%RSD	562.9	35.86	57.29	102.9	.2740	139.4	241.2	49.73	39.68
#1	.0001	.0007	-.0006	.0011	.0044	.0000	-.0018	.0457	.0609
#2	-.0001	.0004	-.0002	.0002	.0043	.0052	.0005	.0219	.0342

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0145**	**.0320**	**-.0347**	**-.0026**	**-.0013**	**-.0006**	**.0019**	**.0074**	**-.0004**
Stddev	.0041	.0102	.0059	.0027	.0004	.0001	.0006	.0009	.0001
%RSD	28.42	31.94	17.01	103.4	32.45	11.80	29.01	12.14	22.84
#1	.0174	.0248	-.0389	-.0007	-.0016	-.0005	.0023	.0068	-.0004
#2	.0116	.0393	-.0306	-.0046	-.0010	-.0006	.0015	.0080	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**9.767**	**.0000**	**-.0195**	**.0026**	**.0031**	**.0003**	**.0004**
Stddev	.124	.000	.0001	.0001	.0014	.0002	.0001
%RSD	1.264	2834.	.3164	4.219	45.52	66.45	36.05
#1	9.854	-.0002	-.0195	.0027	.0021	.0002	.0003
#2	9.679	.0001	-.0195	.0025	.0041	.0004	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102210.**	**14531.**	**2304.2**	**7189.8**
Stddev	75.	69.	5.1	18.6
%RSD	.07331	.47692	.22103	.25887
#1	102260.	14580.	2307.8	7203.0
#2	102160.	14482.	2300.6	7176.7

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 6/20/2014 23:50:28 Type: Unk
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0014**	**-.0001**	**.0002**	**-.0003**	**-.0003**	**.0007**	**-.0007**	**-.0010**	**.0006**
Stddev	.0002	.0000	.0001	.0000	.0001	.0005	.0000	.0000	.0004
%RSD	14.67	27.93	42.03	19.71	50.19	68.83	3.637	.5623	61.26
#1	-.0012	-.0001	.0002	-.0003	-.0004	.0003	-.0007	-.0010	.0004
#2	-.0015	-.0001	.0003	-.0002	-.0002	.0010	-.0006	-.0009	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0006**	**.0024**	**.0061**	**.0007**	**.0025**	**.0011**	**477.6**	**.0027**
Stddev	.0000	.0001	.0009	.0021	.0033	.0015	.0008	1.8	.0010
%RSD	3.934	15.07	38.42	34.78	438.6	60.04	68.88	.3828	37.12
#1	-.0001	.0007	.0017	.0046	.0030	.0036	.0006	478.9	.0020
#2	-.0001	.0006	.0030	.0076	-.0016	.0015	.0017	476.3	.0034

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0068**	**-.0030**	**-.0221**	**-.0239**	**-.0040**	**.0036**	**-.0001**	**-.0011**	**.0031**
Stddev	.0036	.0180	.0145	.0100	.0001	.0000	.0003	.0013	.0001
%RSD	53.35	590.8	65.57	41.55	3.567	.5841	253.9	114.9	4.564
#1	-.0043	.0097	-.0119	-.0169	-.0039	.0036	-.0003	-.0020	.0032
#2	-.0094	-.0158	-.0323	-.0310	-.0041	.0036	.0001	-.0002	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0000**	**-.0098**	**.0137**	**-.0015**	**-.0027**	**.0007**
Stddev	.0001	.0001	.0019	.0001	.0010	.0012	.0008
%RSD	26.74	367.8	18.98	.8364	63.02	43.58	128.4
#1	.0004	-.0001	-.0111	.0138	-.0008	-.0018	.0001
#2	.0006	.0001	-.0085	.0136	-.0022	-.0035	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98975.**	**14812.**	**2342.3**	**6685.4**
Stddev	455.	54.	2.4	3.6
%RSD	.45964	.36792	.10368	.05358
#1	98653.	14774.	2344.1	6687.9
#2	99297.	14851.	2340.6	6682.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 23:56:50 Type: QC
Method: Accutest1(v181) 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	**2.077**	**2.044**	**2.071**	**2.044**	**2.031**	**2.058**	**2.011**	**2.042**	**.2410**
Stddev	.001	.000	.003	.003	.003	.005	.002	.002	.0004
%RSD	.0434	.0206	.1296	.1256	.1660	.2632	.0855	.1170	.1477
#1	2.078	2.043	2.069	2.042	2.034	2.054	2.009	2.041	.2408
#2	2.077	2.044	2.073	2.046	2.029	2.062	2.012	2.044	.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	**2.014**	**2.028**	**2.051**	**2.145**	**2.022**	**2.100**	**2.094**	**40.89**	**40.41**
Stddev	.002	.003	.007	.002	.004	.002	.007	.01	.05
%RSD	.1048	.1477	.3579	.1065	.1953	.0829	.3474	.0169	.1340
#1	2.012	2.026	2.046	2.144	2.019	2.101	2.089	40.88	40.37
#2	2.015	2.030	2.056	2.147	2.025	2.098	2.099	40.89	40.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.31**	**39.06**	**40.68**	**41.04**	**2.107**	**2.107**	**2.005**	**5.138**	**2.072**
Stddev	.02	.03	.02	.00	.007	.006	.008	.011	.002
%RSD	.0427	.0684	.0517	.0079	.3361	.2828	.3957	.2210	.1004
#1	38.32	39.08	40.66	41.04	2.102	2.102	1.999	5.130	2.071
#2	38.30	39.04	40.69	41.04	2.112	2.111	2.010	5.146	2.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/20/2014 23:56:50 Type: QC
Method: Accutest1(v181) 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	**2.125**	**2.002**	**1.930**	**2.059**	**2.066**	**2.083**	**2.040**
Stddev	.002	.002	.015	.003	.002	.003	.001
%RSD	.0720	.0869	.7796	.1480	.1119	.1306	.0678
#1	2.124	2.001	1.919	2.056	2.065	2.081	2.041
#2	2.126	2.003	1.940	2.061	2.068	2.085	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	**103090.**	**14349.**	**2271.7**	**6801.0**
Stddev	94.	10.	3.3	4.1
%RSD	.09140	.06892	.14702	.05986
#1	103160.	14342.	2274.1	6803.8
#2	103030.	14356.	2269.4	6798.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/21/2014 0:02:54 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0003**	**.0002**	**.0002**	**.0002**	**.0007**	**.0002**
Stddev	.000	.0000	.0001	.0002	.0003	.0001	.0000	.0002	.0002
%RSD	33.19	12.95	18.73	53.76	196.8	51.48	8.707	24.63	99.94
#1	.0000	.0002	.0005	.0004	.0004	.0001	.0002	.0008	.0003
#2	.0000	.0001	.0004	.0002	-.0001	.0003	.0002	.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	**.0003**	**.0001**	**-.0001**	F **.0022**	**-.0007**	**.0021**	**-.0001**	**.0064**	**.0069**
Stddev	.0002	.0000	.0004	.0000	.0005	.0030	.0002	.0030	.0015
%RSD	66.67	21.15	716.7	.3396	77.14	140.0	173.1	46.16	21.87
#1	.0002	.0001	.0003	.0022	-.0011	.0000	.0000	.0043	.0079
#2	.0004	.0000	-.0004	.0022	-.0003	.0042	-.0003	.0085	.0058
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	**-.0004**	**-.0002**	**-.0011**	**-.0016**	**.0021**	**.0015**	**.0011**	**-.0003**	**-.0006**
Stddev	.0006	.0007	.0372	.0035	.0003	.0002	.0005	.0003	.0003
%RSD	139.9	452.2	3447.	220.6	12.02	13.58	43.29	78.13	56.53
#1	-.0008	.0004	.0252	-.0040	.0023	.0017	.0014	-.0001	-.0003
#2	.0000	-.0007	-.0273	.0009	.0019	.0014	.0008	-.0005	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In
Zoom Out

Sample Name: ccb Acquired: 6/21/2014 0:02:54 Type: QC
Method: Accutest1(v181) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0014**	**.0008**	**.0029**	**.0001**	**.0002**
Stddev	.0000	.0001	.0003	.0001	.0010	.0007	.0001
%RSD	4.918	103.0	21.07	6.902	33.54	577.1	60.08
#1	.0002	.0000	-.0012	.0008	.0036	.0006	.0001
#2	.0002	.0002	-.0016	.0008	.0022	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**108920.**	**14324.**	**2363.1**	**7431.0**
Stddev	58.	39.	5.3	17.0
%RSD	.05343	.27261	.22615	.22894
#1	108880.	14296.	2366.9	7443.0
#2	108960.	14352.	2359.3	7419.0

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}	☒	12	V	0.000635	0.000000	No
			Mo	-0.000040	0.000000	No
			Ti	-0.001052	0.000000	No
			Mn	0.000016	0.000000	No
			Ba	-0.000013	0.000000	No
			Zn	0.000010	0.000000	No
			Sb	0.000079	0.000000	No
			Ag	0.000060	0.000000	No
			Sn	0.000010	0.000000	No
			Cu	0.000005	0.000000	No
			W	0.000000	0.000000	No
			K	-0.000020	0.000000	No
Cd 228.802 {448}	☒	16	As	0.003636	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	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000014	0.000000	No
			Mo	0.000002	0.000000	No
			Ti	-0.000049	0.000000	No
			Cu	-0.000010	0.000000	No
			Sr	-0.000050	0.000000	No
			Zr	0.000000	0.000000	No
			W	0.000000	0.000000	No
Co 228.616 {448}	☒	7	Fe	-0.000001	0.000000	No
			Cr	0.000000	0.000000	No
			Ba	0.000006	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000002	0.000000	No
			Ti	0.001770	0.000000	No
			Mo	-0.000500	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000330	0.000000	No
			Mo	-0.000053	0.000000	No
			Fe	-0.000009	0.000000	No
			Co	0.000160	0.000000	No
			Al	0.000000	0.000000	No
			Sn	-0.000070	0.000000	No
			Ti	-0.000058	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.001783	0.000000	No
Cu 324.754 {104}2	☒	12	Cr	-0.000025	0.000000	No
			Mo	0.000302	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	-0.000154	0.000000	No
			Zr	0.000100	0.000000	No
			V	-0.000050	0.000000	No
			Ca	-0.000005	0.000000	No
			Ni	-0.000020	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	6	Fe	-0.000056	0.000000	No
			Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000000	0.000000	No
			Mo	-0.000160	0.000000	No
			As	0.000400	0.000000	No
			W	0.000000	0.000000	No
Ni 231.604 {446}	☒	8	Cr	-0.000028	0.000000	No
			Mo	-0.000065	0.000000	No
			Fe	0.000020	0.000000	No
			Zn	0.000017	0.000000	No
			Co	-0.000423	0.000000	No
			Cu	0.000152	0.000000	No
			Ti	0.000120	0.000000	No
			W	-0.000260	0.000000	No
Ag 328.068 {103}	☒	17	Mn	0.000142	0.000000	No
			Mo	-0.000012	0.000000	No
			Ti	-0.000070	0.000000	No
			V	-0.001200	0.000000	No
			Zr	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000245	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	0.000000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.010850	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.004020	0.000000	No
			Mn	-0.000700	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000400	0.000000	No
			Mo	-0.000350	0.000000	No
			Fe	-0.000005	0.000000	No
			Co	0.000122	0.000000	No
			Ni	0.000058	0.000000	No
			Se	0.000141	0.000000	No
			Ba	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000085	0.000000	No
			Sn	0.000068	0.000000	No
			V	0.000230	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	-0.000400	0.000000	No
As 189.042 {478}	☒	21	Al	0.000015	0.000000	No
			Fe	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.002010	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
			W	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000283	0.000000	No
			Mo	-0.002600	0.000000	No
			Al	-0.000016	0.000000	No
			V	-0.025000	0.000000	No
			Mn	0.001000	0.000000	No
			Si	-0.000039	0.000000	No
			Ca	0.000013	0.000000	No
			Ti	-0.001000	0.000000	No
			Cu	-0.000095	0.000000	No
			Co	0.012300	0.000000	No
			Sr	0.000000	0.000000	No
			Zn	-0.000060	0.000000	No
			Pb	-0.000090	0.000000	No
			Mg	-0.000001	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	-0.000063	0.000000	No
			Li	0.000009	0.000000	No
			S	-0.000010	0.000000	No
			Na	-0.000001	0.000000	No
			K	0.000350	0.000000	No
			As	0.000200	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000096	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000140	0.000000	No
			Zn	0.000027	0.000000	No
			Mo	-0.002550	0.000000	No
			Ni	0.000129	0.000000	No
			Cu	0.000370	0.000000	No
			V	-0.000006	0.000000	No
			Co	0.000016	0.000000	No
			Ti	0.000000	0.000000	No
			Si	-0.000140	0.000000	No
			Mg	0.000004	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	0.000033	0.000000	No
			W	0.000000	0.000000	No
			Zr	0.000000	0.000000	No
			S	0.000010	0.000000	No
			Sr	-0.000497	0.000000	No
Se 196.090 {472}	☒	18	Al	-0.000002	0.000000	No
			Ca	-0.000011	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mn	0.000945	0.000000	No
			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	-0.000581	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	0.090000	0.000000	No
			Zr	-0.000833	0.000000	No
			V	0.000600	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
			Al	0.000021	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.000078	0.000000	No
			Cr	0.013600	0.000000	No
			V	-0.002240	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	0.000420	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.015034	0.000000	No
			Mn	-0.000060	0.000000	No
			Co	-0.000121	0.000000	No
			Se	-0.000252	0.000000	No
			Zr	-0.000300	0.000000	No
			W	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Mg	0.000006	0.000000	No
			S	-0.000016	0.000000	No
Al 396.152 { 85}	☒	8	Ca	0.000100	0.000000	No
			Mo	0.036700	0.000000	No
			Ti	-0.006610	0.000000	No
			Si	0.001149	0.000000	No
			Co	-0.000115	0.000000	No
			Li	-0.001000	0.000000	No
			W	0.000000	0.000000	No
			Ba	0.004500	0.000000	No
Ca 317.933 {106}	☒	5	Al	0.000043	0.000000	No
			Fe	0.000078	0.000000	No
			Mg	0.000071	0.000000	No
			Ti	-0.000042	0.000000	No
			Co	0.001850	0.000000	No
Fe 259.940 {130}	☒	11	Cr	0.000237	0.000000	No
			Zn	0.000466	0.000000	No
			Al	0.000017	0.000000	No
			Co	0.002732	0.000000	No
			Cd	0.000700	0.000000	No
			Sn	-0.000019	0.000000	No
			Ti	-0.000710	0.000000	No
			Si	0.000053	0.000000	No
			Ca	0.000012	0.000000	No
			Ba	0.000400	0.000000	No
			V	0.000000	0.000000	No
Mg 279.079 {121}	☒	4	Al	0.000000	0.000000	No
			Mo	-0.018810	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No
K 766.490 { 44}	☒	1	Mg	0.000000	0.000000	No
Na 589.592 { 57}	☒	1	Al	0.000039	0.000000	No
B 208.959 {462}	☒	4	Mo	0.040650	0.000000	No
			Al	0.000008	0.000000	No
			Ti	-0.000001	0.000000	No
			Pd	0.000630	0.000000	No
Mo 202.030 {467}	☒	8	Ti	0.000300	0.000000	No
			Pd	0.000018	0.000000	No
			Al	-0.000011	0.000000	No
			Mg	-0.000005	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000006	0.000000	No
			V	-0.000100	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000950	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	-0.000025	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	0.003000	0.000000	No
Si 212.412 {459}	☒	11	Mn	0.003820	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	0.059700	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	0.000000	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.001660	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000006	0.000000	No
			Mo	0.000058	0.000000	No
Sr 407.771 { 83}	☒	3	Ca	0.000032	0.000000	No
			Pd	0.000168	0.000000	No
			Ti	0.000000	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.001620	0.000000	No
			Zr	0.000002	0.000000	No
			W	-0.005996	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	4	Al	-0.000024	0.000000	No
			V	0.001000	0.000000	No
			Zn	0.010800	0.000000	No
			Fe	-0.000050	0.000000	No
Zr 339.198 { 99}	☒	16	Fe	-0.000058	0.000000	No
			Si	0.000088	0.000000	No
			Ba	-0.000049	0.000000	No
			Sn	0.000047	0.000000	No
			Sb	-0.000067	0.000000	No
			V	0.000030	0.000000	No
			W	0.000500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000097	0.000000	No
				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}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	-0.000022	0.000000	No
				Fe	0.000021	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	☒	2	Fe	0.000038	0.000000	No
				Ti	-0.003722	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}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.003117	2.381737	0.000000	1.000000
Be 313.042 {108}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000324	2.419432	0.000000	1.000000
Cd 228.802 {448}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000217	0.930247	0.000000	1.000000
Co 228.616 {448}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	-0.000294	0.338786	0.000000	1.000000
Cr 267.716 {126}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000009	0.075459	0.000000	1.000000
Cu 324.754 {104}2	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.001543	0.234091	0.000000	1.000000
Mn 257.610 {131}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000034	0.201257	0.000000	1.000000
Ni 231.604 {446}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	-0.000833	0.259392	0.000000	1.000000
Ag 328.068 {103}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	-0.000004	0.126367	0.000000	1.000000
V 292.402 {115}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	-0.000079	0.143567	0.000000	1.000000
Zn 206.200 {464}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000388	0.888051	0.000000	1.000000
As 189.042 {478}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000659	0.158686	0.000000	1.000000
Tl 190.856 {477}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	-0.000218	0.048519	0.000000	1.000000
Pb 220.353 {453}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000007	0.118935	0.000000	1.000000
Se 196.090 {472}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000262	0.086143	0.000000	1.000000
Sb 206.833 {463}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000950	0.208986	0.000000	1.000000
Al 396.152 { 85}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000811	0.040066	0.000000	1.000000
Ca 317.933 {106}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.003817	0.060405	0.000000	1.000000
Fe 259.940 {130}	6/23/2014 9:31:45	6/20/2014 11:15:53	Linear	1/Conc	0.000104	0.035470	0.000000	1.000000
Mg 279.079 {121}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000001	0.004304	0.000000	1.000000
K 766.490 { 44}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.002029	0.024474	0.000000	1.000000
Na 589.592 { 57}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.002554	0.083142	0.000000	1.000000
B 208.959 {462}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.000811	0.206170	0.000000	1.000000
Mo 202.030 {467}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.001309	0.908468	0.000000	1.000000
Pd 340.458 { 99}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000081	0.052807	0.000000	1.000000
Si 212.412 {459}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.006300	0.237891	0.000000	1.000000
Sn 189.989 {478}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.000514	0.150677	0.000000	1.000000
Sr 407.771 { 83}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000026	2.929551	0.000000	1.000000
Ti 334.904 {101}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000099	0.151636	0.000000	1.000000
Y 360.073 { 94}*	6/23/2014 9:31:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/23/2014 9:31:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/23/2014 9:31:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/23/2014 9:31:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.012844	0.383570	0.000000	1.000000
Zr 339.198 { 99}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.000023	0.337681	0.000000	1.000000
S 182.034 {485}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	0.000340	0.066000	0.000000	1.000000
Bi 223.061 {451}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000872	0.299102	0.000000	1.000000
Li 670.784 { 50}	6/23/2014 9:31:45	6/20/2014 11:15:54	Linear	1/Conc	-0.000445	0.642103	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	0.000243	0.000809	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000082	0.000273	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000210	0.000701	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000294	0.000980	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000440	0.001467	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000369	0.001231	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000060	0.000201	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000348	0.001159	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000441	0.001470	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000329	0.001096	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000189	0.000629	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000963	0.003209	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001444	0.004814	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001130	0.003767	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002224	0.007415	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001159	0.003862	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010619	0.035397	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003790	0.012634	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003083	0.010276	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.030913	0.103044	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.035578	0.118592	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.009753	0.032510	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000735	0.002450	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000228	0.000759	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001310	0.004368	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000960	0.003201	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000828	0.002759	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	0.000437	0.001457	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	0.001124	0.003748	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000191	0.000635	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002262	0.007541	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001112	0.003706	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001315	0.004383	OK.	1.000000	0.000000	1	0

MA34291

Method: ACCUTEST Operator: Admin Date of Analysis: 23 Jun 2014 11:57:44

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	23 Jun 2014 11:58:13	Std	ug/l	-	142	1.000	1.000
STDB - 1	23 Jun 2014 11:59:31	Std	ug/l	-	1313	1.000	1.000
STDC - 1	23 Jun 2014 12:00:51	Std	ug/l	-	3298	1.000	1.000
STDD - 1	23 Jun 2014 12:02:17	Std	ug/l	-	6375	1.000	1.000
STDE - 1	23 Jun 2014 12:03:45	Std	ug/l	-	16467	1.000	1.000
STDF - 1	23 Jun 2014 12:05:15	Std	ug/l	-	31751	1.000	1.000
ICV - 1	23 Jun 2014 12:16:56	SMPL	ug/l	3.0212	19355	1.000	1.000
ICB - 1	23 Jun 2014 12:18:13	SMPL	ug/l	-0.0226	-6	1.000	1.000
CCV - 1	23 Jun 2014 12:19:49	CK STND	ug/l	107.0% 2.6739	17146	1.000	1.000
CCB - 1	23 Jun 2014 12:21:07	CK STND	ug/l	-0.0107	70	1.000	1.000
CRI - 1	23 Jun 2014 12:22:43	SMPL	ug/l	0.1708	1224	1.000	1.000
MP80222-MB1 - 1	23 Jun 2014 12:44:28	SMPL	ug/l	-0.0081	86	1.000	1.000
MP80222-LC1 - 1	23 Jun 2014 12:45:44	SMPL	ug/l	5.0538	16211	1.000	2.000
MP80222-S1 - 1	23 Jun 2014 13:13:56	SMPL	ug/l	2.0691	13299	1.000	1.000
MP80222-S2 - 1	23 Jun 2014 13:15:12	SMPL	ug/l	1.9724	12684	1.000	1.000
JB69562-1A - 1	23 Jun 2014 13:16:45	SMPL	ug/l	-0.0151	42	1.000	1.000
JB69562-2A - 1	23 Jun 2014 13:18:19	SMPL	ug/l	-0.0063	98	1.000	1.000
JB69562-3A - 1	23 Jun 2014 13:19:38	SMPL	ug/l	-0.0368	-96	1.000	1.000
JB69847-1 - 1	23 Jun 2014 13:20:57	SMPL	ug/l	0.0848	677	1.000	1.000
JB69791-1A - 1	23 Jun 2014 13:22:17	SMPL	ug/l	1.9610	12611	1.000	1.000
CCV - 1	23 Jun 2014 13:23:37	CK STND	ug/l	97.5% 2.4387	15650	1.000	1.000
CCB - 1	23 Jun 2014 13:25:02	CK STND	ug/l	-0.0162	35	1.000	1.000
JB69791-6A - 1	23 Jun 2014 13:26:38	SMPL	ug/l	0.9788	6364	1.000	1.000
JB69792-1A - 1	23 Jun 2014 13:27:57	SMPL	ug/l	0.0033	159	1.000	1.000
JB69793-1A - 1	23 Jun 2014 13:29:41	SMPL	ug/l	1.1197	7260	1.000	1.000
JB69793-5A - 1	23 Jun 2014 13:31:00	SMPL	ug/l	0.2308	1606	1.000	1.000
JB69793-6A - 1	23 Jun 2014 13:32:19	SMPL	ug/l	2.4078	15453	1.000	1.000
JB68289-1R - 1	23 Jun 2014 13:33:44	SMPL	ug/l	0.4347	2903	1.000	1.000
JB68289-2 - 1	23 Jun 2014 13:35:38	SMPL	ug/l	0.2621	1805	1.000	1.000
JB68289-5R - 1	23 Jun 2014 13:37:02	SMPL	ug/l	0.6397	4207	1.000	1.000
JB68289-6 - 1	23 Jun 2014 13:38:24	SMPL	ug/l	0.2711	1862	1.000	1.000
JB68289-13R - 1	23 Jun 2014 13:39:46	SMPL	ug/l	1.0641	6906	1.000	1.000
CCV - 1	23 Jun 2014 13:41:09	CK STND	ug/l	109.9% 2.7481	17618	1.000	1.000
CCB - 1	23 Jun 2014 13:42:34	CK STND	ug/l	-0.0228	-7	1.000	1.000
JB68289-14 - 1	23 Jun 2014 13:44:10	SMPL	ug/l	0.0890	704	1.000	1.000
JB68289-19 - 1	23 Jun 2014 13:45:30	SMPL	ug/l	0.2912	1990	1.000	1.000
JB68289-22R - 1	23 Jun 2014 13:46:51	SMPL	ug/l	0.0955	745	1.000	1.000
JB68289-23 - 1	23 Jun 2014 13:48:12	SMPL	ug/l	-0.0182	22	1.000	1.000
JB68289-26 - 1	23 Jun 2014 13:49:31	SMPL	ug/l	-0.0028	120	1.000	1.000
MP80223-MB1 - 1	23 Jun 2014 13:50:49	SMPL	ug/l	-0.0077	89	1.000	1.000
MP80223-LC1 - 1	23 Jun 2014 13:52:07	SMPL	ug/l	5.2362	16791	1.000	2.000
MP80223-S1 - 1	23 Jun 2014 13:53:24	SMPL	ug/l	2.2262	14298	1.000	1.000
MP80223-S2 - 1	23 Jun 2014 13:54:58	SMPL	ug/l	2.6481	16982	1.000	1.000
JB69123-1 - 1	23 Jun 2014 13:56:32	SMPL	ug/l	0.0914	719	1.000	1.000
CCV - 1	23 Jun 2014 13:58:07	CK STND	ug/l	(H)111.2% 2.7805	17824	1.000	1.000
CCB - 1	23 Jun 2014 13:59:25	CK STND	ug/l	-0.0294	-49	1.000	1.000
JB69123-2 - 1	23 Jun 2014 14:01:01	SMPL	ug/l	0.1150	869	1.000	1.000
JB69123-3 - 1	23 Jun 2014 14:02:21	SMPL	ug/l	0.1080	825	1.000	1.000
JB69123-4 - 1	23 Jun 2014 14:03:41	SMPL	ug/l	0.3057	2082	1.000	1.000
JB69123-5 - 1	23 Jun 2014 14:05:01	SMPL	ug/l	0.2321	1614	1.000	1.000
JB69123-6 - 1	23 Jun 2014 14:06:23	SMPL	ug/l	0.0988	766	1.000	1.000
JB69763-1 - 1	23 Jun 2014 14:07:44	SMPL	ug/l	0.2000	1410	1.000	1.000
JB69763-2 - 1	23 Jun 2014 14:09:04	SMPL	ug/l	0.0442	419	1.000	1.000
JB69763-3 - 1	23 Jun 2014 14:10:24	SMPL	ug/l	0.8079	5277	1.000	1.000
JB69763-4 - 1	23 Jun 2014 14:11:43	SMPL	ug/l	0.6287	4137	1.000	1.000
JB69763-5 - 1	23 Jun 2014 14:13:08	SMPL	ug/l	0.6435	4231	1.000	1.000
CCV - 1	23 Jun 2014 14:14:34	CK STND	ug/l	(H)112.5% 2.8116	18022	1.000	1.000
CCB - 1	23 Jun 2014 14:15:58	CK STND	ug/l	-0.0250	-21	1.000	1.000
JB69763-6 - 1	23 Jun 2014 14:17:33	SMPL	ug/l	0.3116	2120	1.000	1.000
JB69763-7 - 1	23 Jun 2014 14:18:53	SMPL	ug/l	0.4677	3113	1.000	1.000
JB69763-8 - 1	23 Jun 2014 14:20:16	SMPL	ug/l	0.7847	5129	1.000	1.000
JB69763-9 - 1	23 Jun 2014 14:21:40	SMPL	ug/l	1.0086	6553	1.000	1.000
JB69763-10 - 1	23 Jun 2014 14:23:07	SMPL	ug/l	0.5473	3619	1.000	1.000
JB69763-11 - 1	23 Jun 2014 14:24:36	SMPL	ug/l	0.6550	4304	1.000	1.000
JB69763-12 - 1	23 Jun 2014 14:26:01	SMPL	ug/l	0.6196	4079	1.000	1.000
JB69763-13 - 1	23 Jun 2014 14:27:26	SMPL	ug/l	0.2206	1541	1.000	1.000
JB69763-14 - 1	23 Jun 2014 14:28:52	SMPL	ug/l	0.1816	1293	1.000	1.000
MP80224-MB1 - 1	23 Jun 2014 14:30:14	SMPL	ug/l	-0.0368	-96	1.000	1.000
CCV - 1	23 Jun 2014 14:31:36	CK STND	ug/l	(H)114.7% 2.8682	18382	1.000	1.000

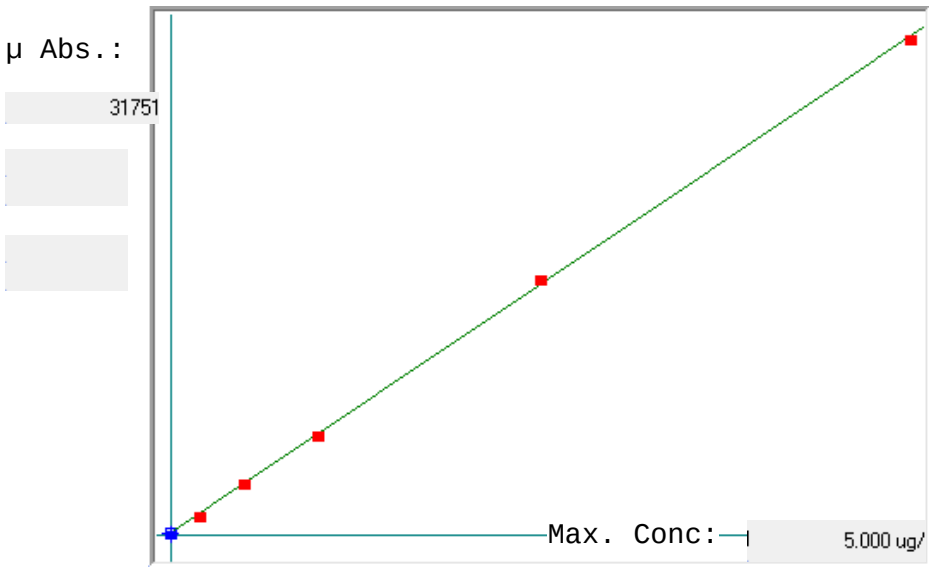
MA34291

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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	23 Jun 2014 14:32:54	CK STND	ug/l	-0.0179	24	1.000	1.000
MP80224-LC1 - 1	23 Jun 2014 14:34:28	SMPL	ug/l	5.2287	16767	1.000	2.000
MP80224-S1 - 1	23 Jun 2014 14:35:48	SMPL	ug/l	6.5624	41880	1.000	1.000
MP80224-S2 - 1	23 Jun 2014 14:37:24	SMPL	ug/l	8.5782	54702	1.000	1.000
JB69601-1 - 1	23 Jun 2014 14:39:07	SMPL	ug/l	4.4072	28171	1.000	1.000
JB69650-2 - 1	23 Jun 2014 14:41:29	SMPL	ug/l	2.6165	16781	1.000	1.000
JB69650-3 - 1	23 Jun 2014 14:43:11	SMPL	ug/l	0.8710	5678	1.000	1.000
JB69650-4 - 1	23 Jun 2014 14:44:47	SMPL	ug/l	0.9650	6276	1.000	1.000
JB69650-5 - 1	23 Jun 2014 14:46:15	SMPL	ug/l	0.8336	5440	1.000	1.000
JB69912-1 - 1	23 Jun 2014 14:47:44	SMPL	ug/l	-0.0877	-420	1.000	1.000
JB69309-1 - 1	23 Jun 2014 14:49:08	SMPL	ug/l	0.6992	4585	1.000	1.000
CCV - 1	23 Jun 2014 14:50:28	CK STND	ug/l	(H)112.2% 2.8057	17984	1.000	1.000
CCB - 1	23 Jun 2014 14:51:52	CK STND	ug/l	-0.0270	-34	1.000	1.000
JB69309-2 - 1	23 Jun 2014 14:53:27	SMPL	ug/l	0.7918	5174	1.000	1.000
JB69309-3 - 1	23 Jun 2014 14:54:47	SMPL	ug/l	1.0425	6769	1.000	1.000
JB69309-4 - 1	23 Jun 2014 14:56:13	SMPL	ug/l	0.8002	5228	1.000	1.000
JB69309-5 - 1	23 Jun 2014 14:57:41	SMPL	ug/l	0.6804	4466	1.000	1.000
JB69309-6 - 1	23 Jun 2014 14:59:08	SMPL	ug/l	0.9015	5872	1.000	1.000
JB69309-7 - 1	23 Jun 2014 15:00:34	SMPL	ug/l	1.2637	8176	1.000	1.000
JB69309-8 - 1	23 Jun 2014 15:02:00	SMPL	ug/l	0.4412	2944	1.000	1.000
JB69924-1A - 1	23 Jun 2014 15:07:09	SMPL	ug/l	1.1224	7277	1.000	1.000
JB69925-1A - 1	23 Jun 2014 15:08:26	SMPL	ug/l	1.7552	11302	1.000	1.000
JB69925-7A - 1	23 Jun 2014 15:09:54	SMPL	ug/l	0.1561	1131	1.000	1.000
CCV - 1	23 Jun 2014 15:11:24	CK STND	ug/l	(H)113.8% 2.8454	18237	1.000	1.000
CCB - 1	23 Jun 2014 15:12:44	CK STND	ug/l	-0.0346	-82	1.000	1.000
JB69930-1A - 1	23 Jun 2014 15:14:20	SMPL	ug/l	2.3600	15149	1.000	1.000
JB69930-6A - 1	23 Jun 2014 15:15:39	SMPL	ug/l	1.0380	6740	1.000	1.000
JB69767-1 - 1	23 Jun 2014 15:17:11	SMPL	ug/l	-0.1196	-623	1.000	1.000
MP80224-S1 - 1	23 Jun 2014 15:48:04	SMPL	ug/l	6.0927	19515	1.000	2.000
MP80224-S2 - 1	23 Jun 2014 15:49:28	SMPL	ug/l	8.9443	28584	1.000	2.000
CCV - 1	23 Jun 2014 15:56:14	CK STND	ug/l	(H)111.4% 2.7852	17854	1.000	1.000
CCB - 1	23 Jun 2014 15:57:30	CK STND	ug/l	-0.0237	-13	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.5721e-004

C= -2.1666e-002

Rho= 0.9998364

Accept=Accepted

Accepted Date=

06/23/14 12:13

11.5.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.001	0.001	142	0.000	142				
STDB	0.200	0.185	-0.015	1313	0.0 %	1313				
STDC	0.500	0.497	-0.003	3298	0.0 %	3298				
STDD	1.000	0.981	-0.019	6375	0.0 %	6375				
STDE	2.500	2.567	0.067	16467	0.0 %	16467				
STDF	5.000	4.970	-0.030	31751	0.0 %	31751				

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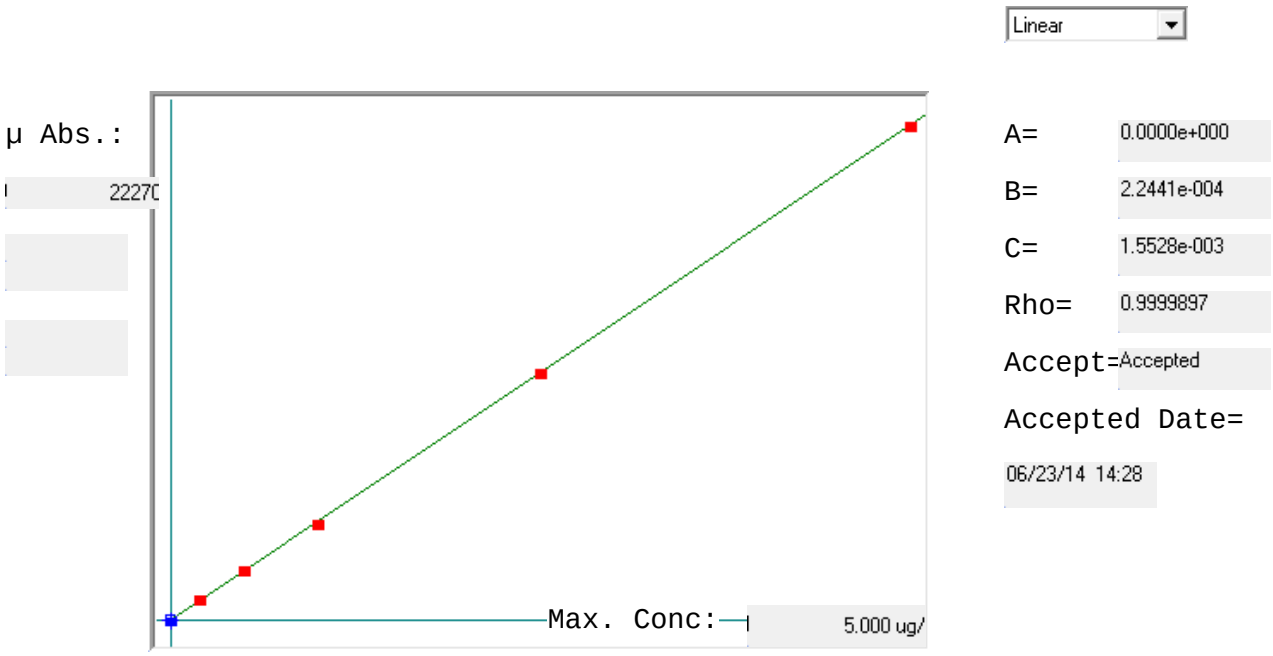
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	23 Jun 2014 14:12:45	Std	ug/l	-	-44	1.000	1.000
STDB - 1	23 Jun 2014 14:14:02	Std	ug/l	-	935	1.000	1.000
STDC - 1	23 Jun 2014 14:15:20	Std	ug/l	-	2245	1.000	1.000
STDD - 1	23 Jun 2014 14:16:41	Std	ug/l	-	4397	1.000	1.000
STDE - 1	23 Jun 2014 14:18:06	Std	ug/l	-	11151	1.000	1.000
STDF - 1	23 Jun 2014 14:19:35	Std	ug/l	-	22270	1.000	1.000
ICV - 1	23 Jun 2014 14:33:21	SMPL	ug/l	2.8379	12639	1.000	1.000
ICB - 1	23 Jun 2014 14:34:40	SMPL	ug/l	-0.0781	-355	1.000	1.000
CCV - 1	23 Jun 2014 14:36:16	CK STND	ug/l	96.9% 2.4230	10790	1.000	1.000
CCB - 1	23 Jun 2014 14:37:32	CK STND	ug/l	-0.0460	-212	1.000	1.000
CRI - 1	23 Jun 2014 14:39:08	SMPL	ug/l	0.1957	865	1.000	1.000
MP80234-MB1 - 1	23 Jun 2014 14:40:25	SMPL	ug/l	-0.0249	-118	1.000	1.000
MP80234-B1 - 1	23 Jun 2014 14:41:44	SMPL	ug/l	1.9896	8859	1.000	1.000
MP80234-S1 - 1	23 Jun 2014 14:43:01	SMPL	ug/l	1.7672	7868	1.000	1.000
MP80234-S2 - 1	23 Jun 2014 14:44:34	SMPL	ug/l	1.8889	8410	1.000	1.000
JB67476-26T - 1	23 Jun 2014 14:46:02	SMPL	ug/l	-0.0168	-82	1.000	1.000
MP80235-MB1 - 1	23 Jun 2014 14:47:32	SMPL	ug/l	0.0103	39	1.000	1.000
MP80235-B1 - 1	23 Jun 2014 14:48:49	SMPL	ug/l	1.9782	8808	1.000	1.000
MP80235-S1 - 1	23 Jun 2014 14:50:06	SMPL	ug/l	2.0790	9257	1.000	1.000
CCV - 1	23 Jun 2014 14:51:41	CK STND	ug/l	95.0% 2.3756	10579	1.000	1.000
CCB - 1	23 Jun 2014 14:53:07	CK STND	ug/l	-0.0534	-245	1.000	1.000
MP80235-S2 - 1	23 Jun 2014 14:54:43	SMPL	ug/l	2.1963	9780	1.000	1.000
JB69793-1B - 1	23 Jun 2014 14:56:01	SMPL	ug/l	-0.0303	-142	1.000	1.000
JB69793-5B - 1	23 Jun 2014 14:57:28	SMPL	ug/l	0.0072	25	1.000	1.000
JB69793-6B - 1	23 Jun 2014 14:58:45	SMPL	ug/l	0.0222	92	1.000	1.000
JB69791-1B - 1	23 Jun 2014 15:00:01	SMPL	ug/l	-0.0108	-55	1.000	1.000
JB69791-6B - 1	23 Jun 2014 15:01:18	SMPL	ug/l	0.0274	115	1.000	1.000
JB69792-1AB - 1	23 Jun 2014 15:02:34	SMPL	ug/l	0.0143	57	1.000	1.000
JB69817-5 - 1	23 Jun 2014 15:03:51	SMPL	ug/l	0.0213	88	1.000	1.000
JB69817-10 - 1	23 Jun 2014 15:05:07	SMPL	ug/l	0.0240	100	1.000	1.000
CCV - 1	23 Jun 2014 15:06:24	CK STND	ug/l	94.6% 2.3642	10528	1.000	1.000
CCB - 1	23 Jun 2014 15:07:40	CK STND	ug/l	-0.0483	-222	1.000	1.000
JB69817-15 - 1	23 Jun 2014 15:09:14	SMPL	ug/l	0.0094	35	1.000	1.000
JB69817-20 - 1	23 Jun 2014 15:10:31	SMPL	ug/l	0.0211	87	1.000	1.000
JB69817-25 - 1	23 Jun 2014 15:11:49	SMPL	ug/l	0.0206	85	1.000	1.000
MP80236-MB1 - 1	23 Jun 2014 15:13:06	SMPL	ug/l	0.0218	90	1.000	1.000
MP80236-B1 - 1	23 Jun 2014 15:14:24	SMPL	ug/l	1.9878	8851	1.000	1.000
MP80236-S1 - 1	23 Jun 2014 15:15:41	SMPL	ug/l	2.0749	9239	1.000	1.000
MP80236-S2 - 1	23 Jun 2014 15:17:12	SMPL	ug/l	2.0693	9214	1.000	1.000
JB69647-2 - 1	23 Jun 2014 15:18:41	SMPL	ug/l	0.0143	57	1.000	1.000
MP80237-MB1 - 1	23 Jun 2014 15:20:08	SMPL	ug/l	0.0123	48	1.000	1.000
CCV - 1	23 Jun 2014 15:21:26	CK STND	ug/l	95.1% 2.3763	10582	1.000	1.000
CCB - 1	23 Jun 2014 15:22:41	CK STND	ug/l	-0.0456	-210	1.000	1.000
MP80237-LC1 - 1	23 Jun 2014 15:24:16	SMPL	ug/l	1.8936	8431	1.000	1.000
MP80237-S1 - 1	23 Jun 2014 15:25:33	SMPL	ug/l	2.0217	9002	1.000	1.000
MP80237-S2 - 1	23 Jun 2014 15:27:06	SMPL	ug/l	2.0226	9006	1.000	1.000
JB69115-3 - 1	23 Jun 2014 15:28:35	SMPL	ug/l	-0.0438	-202	1.000	1.000
MP80237-S3 - 1	23 Jun 2014 15:30:05	SMPL	ug/l	1.9349	8615	1.000	1.000
MP80237-S4 - 1	23 Jun 2014 15:31:24	SMPL	ug/l	1.8761	8353	1.000	1.000
JB69115-3F - 1	23 Jun 2014 15:32:56	SMPL	ug/l	-0.0370	-172	1.000	1.000
JB69048-1 - 1	23 Jun 2014 15:34:27	SMPL	ug/l	0.0092	34	1.000	1.000
JB69048-2 - 1	23 Jun 2014 15:35:46	SMPL	ug/l	0.0137	54	1.000	1.000
CCV - 1	23 Jun 2014 15:37:03	CK STND	ug/l	97.4% 2.4353	10845	1.000	1.000
CCB - 1	23 Jun 2014 15:38:18	CK STND	ug/l	-0.0415	-192	1.000	1.000
JB69048-3 - 1	23 Jun 2014 15:39:53	SMPL	ug/l	0.0206	85	1.000	1.000
JB69048-4 - 1	23 Jun 2014 15:41:10	SMPL	ug/l	0.0251	105	1.000	1.000
JB69048-5 - 1	23 Jun 2014 15:42:27	SMPL	ug/l	0.0292	123	1.000	1.000
JB69048-6 - 1	23 Jun 2014 15:43:44	SMPL	ug/l	0.0204	84	1.000	1.000
JB69048-7 - 1	23 Jun 2014 15:45:01	SMPL	ug/l	0.0393	168	1.000	1.000
JB69048-8 - 1	23 Jun 2014 15:46:18	SMPL	ug/l	0.0285	120	1.000	1.000
JB69048-9 - 1	23 Jun 2014 15:47:35	SMPL	ug/l	0.0249	104	1.000	1.000
JB68943-37 - 1	23 Jun 2014 15:48:52	SMPL	ug/l	0.0678	295	1.000	1.000
JB68943-38 - 1	23 Jun 2014 15:50:10	SMPL	ug/l	0.0235	98	1.000	1.000
CCV - 1	23 Jun 2014 15:51:29	CK STND	ug/l	96.5% 2.4131	10746	1.000	1.000
CCB - 1	23 Jun 2014 15:52:44	CK STND	ug/l	-0.0409	-189	1.000	1.000
JB68977-11 - 1	23 Jun 2014 15:54:20	SMPL	ug/l	0.0215	89	1.000	1.000
JB68983-1 - 1	23 Jun 2014 15:55:37	SMPL	ug/l	0.0213	88	1.000	1.000
JB68983-2 - 1	23 Jun 2014 15:56:54	SMPL	ug/l	0.0206	85	1.000	1.000
JB69078-3 - 1	23 Jun 2014 15:58:12	SMPL	ug/l	0.0283	119	1.000	1.000

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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB69650-8 - 1	23 Jun 2014 15:59:29	SMPL	ug/l	0.0381	163	1.000	1.000
JB69650-9 - 1	23 Jun 2014 16:00:46	SMPL	ug/l	0.8972	3991	1.000	1.000
JB69650-10 - 1	23 Jun 2014 16:02:03	SMPL	ug/l	-0.0043	-26	1.000	1.000
MP80238-MB1 - 1	23 Jun 2014 16:03:27	SMPL	ug/l	0.0253	106	1.000	1.000
MP80238-LC1 - 1	23 Jun 2014 16:04:45	SMPL	ug/l	1.9109	8508	1.000	1.000
MP80238-S1 - 1	23 Jun 2014 16:06:02	SMPL	ug/l	2.2681	10100	1.000	1.000
CCV - 1	23 Jun 2014 16:07:30	CK STND	ug/l	95.6% 2.3907	10646	1.000	1.000
CCB - 1	23 Jun 2014 16:08:57	CK STND	ug/l	-0.0402	-186	1.000	1.000
MP80238-S2 - 1	23 Jun 2014 16:10:33	SMPL	ug/l	2.3249	10353	1.000	1.000
JB69115-5 - 1	23 Jun 2014 16:11:50	SMPL	ug/l	-0.0072	-39	1.000	1.000
MP80238-S3 - 1	23 Jun 2014 16:13:20	SMPL	ug/l	2.2776	10142	1.000	1.000
MP80238-S4 - 1	23 Jun 2014 16:14:39	SMPL	ug/l	2.2482	10011	1.000	1.000
JB69115-5F - 1	23 Jun 2014 16:16:08	SMPL	ug/l	0.0040	11	1.000	1.000
JB69115-2 - 1	23 Jun 2014 16:17:37	SMPL	ug/l	0.0301	127	1.000	1.000
JB69115-4 - 1	23 Jun 2014 16:18:56	SMPL	ug/l	0.0305	129	1.000	1.000
JB69115-6 - 1	23 Jun 2014 16:20:14	SMPL	ug/l	0.0332	141	1.000	1.000
JB69115-7 - 1	23 Jun 2014 16:21:32	SMPL	ug/l	0.0449	193	1.000	1.000
JB69115-8 - 1	23 Jun 2014 16:22:50	SMPL	ug/l	0.0258	108	1.000	1.000
CCV - 1	23 Jun 2014 16:24:09	CK STND	ug/l	94.1% 2.3532	10479	1.000	1.000
CCB - 1	23 Jun 2014 16:25:24	CK STND	ug/l	-0.0386	-179	1.000	1.000
JB69115-9 - 1	23 Jun 2014 16:27:00	SMPL	ug/l	0.0161	65	1.000	1.000
JB69115-2F - 1	23 Jun 2014 16:28:17	SMPL	ug/l	0.0209	86	1.000	1.000
JB69115-4F - 1	23 Jun 2014 16:29:34	SMPL	ug/l	0.0253	106	1.000	1.000
JB69115-6F - 1	23 Jun 2014 16:30:51	SMPL	ug/l	0.0386	165	1.000	1.000
JB69115-7F - 1	23 Jun 2014 16:32:09	SMPL	ug/l	0.0343	146	1.000	1.000
JB69115-8F - 1	23 Jun 2014 16:33:27	SMPL	ug/l	0.0336	143	1.000	1.000
JB69115-9F - 1	23 Jun 2014 16:34:45	SMPL	ug/l	0.0235	98	1.000	1.000
JB69681-1 - 1	23 Jun 2014 16:36:03	SMPL	ug/l	0.1064	467	1.000	1.000
JB69681-1F - 1	23 Jun 2014 16:37:20	SMPL	ug/l	0.0361	154	1.000	1.000
JB68943-66 - 1	23 Jun 2014 16:38:39	SMPL	ug/l	0.1582	698	1.000	1.000
CCV - 1	23 Jun 2014 16:39:57	CK STND	ug/l	96.3% 2.4066	10717	1.000	1.000
CCB - 1	23 Jun 2014 16:41:15	CK STND	ug/l	-0.0469	-216	1.000	1.000
JB68943-67 - 1	23 Jun 2014 16:42:49	SMPL	ug/l	0.1690	746	1.000	1.000
JB69912-2 - 1	23 Jun 2014 16:44:07	SMPL	ug/l	0.0152	61	1.000	1.000
JB69123-7 - 1	23 Jun 2014 16:45:27	SMPL	ug/l	0.0256	107	1.000	1.000
MP80248-FMBCONF - 1	23 Jun 2014 16:46:44	SMPL	ug/l	0.0242	101	1.000	1.000
MP80248-FLCCONF - 1	23 Jun 2014 16:48:02	SMPL	ug/l	2.1936	9768	1.000	1.000
RINSECONF - 1	23 Jun 2014 16:51:03	SMPL	ug/l	0.0155	62	1.000	1.000
CRI - 1	23 Jun 2014 16:52:20	SMPL	ug/l	0.1981	876	1.000	1.000
MP80239-MB1 - 1	23 Jun 2014 16:54:36	SMPL	ug/l	0.0417	179	1.000	1.000
MP80239-LC1 - 1	23 Jun 2014 16:55:53	SMPL	ug/l	2.0235	9010	1.000	1.000
CCV - 1	23 Jun 2014 16:57:11	CK STND	ug/l	92.1% 2.3018	10250	1.000	1.000
CCB - 1	23 Jun 2014 16:58:38	CK STND	ug/l	-0.0406	-188	1.000	1.000
MP80239-S1 - 1	23 Jun 2014 17:00:14	SMPL	ug/l	2.2859	10179	1.000	1.000
MP80239-S2 - 1	23 Jun 2014 17:01:32	SMPL	ug/l	2.2132	9855	1.000	1.000
JB69056-1 - 1	23 Jun 2014 17:03:02	SMPL	ug/l	-0.0189	-91	1.000	1.000
JB69102-1 - 1	23 Jun 2014 17:04:32	SMPL	ug/l	0.0258	108	1.000	1.000
JB69170-1 - 1	23 Jun 2014 17:05:50	SMPL	ug/l	0.0269	113	1.000	1.000
JB69379-1 - 1	23 Jun 2014 17:07:08	SMPL	ug/l	0.0547	237	1.000	1.000
JB69430-3 - 1	23 Jun 2014 17:08:27	SMPL	ug/l	0.0238	99	1.000	1.000
JB69896-1 - 1	23 Jun 2014 17:09:46	SMPL	ug/l	0.2738	1213	1.000	1.000
RINSECONF - 1	23 Jun 2014 17:11:03	SMPL	ug/l	-0.0097	-50	1.000	1.000
CCV - 1	23 Jun 2014 17:12:42	CK STND	ug/l	104.2% 2.6050	11601	1.000	1.000
CCB - 1	23 Jun 2014 17:13:57	CK STND	ug/l	-0.0402	-186	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	-0.008	-0.008	-44	0.000	-44				
STDB	0.200	0.211	0.011	935	0.0 %	935				
STDC	0.500	0.505	0.005	2245	0.0 %	2245				
STDD	1.000	0.988	-0.012	4397	0.0 %	4397				
STDE	2.500	2.504	0.004	11151	0.0 %	11151				
STDF	5.000	4.999	-0.001	22270	0.0 %	22270				

11.6.1

11

ACCUTEST

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34291
Analyst:	JW
Date:	6/23/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot:Block#: 7 Hot Block: Start Time: 1023u Temp: 95°C End Time: 1110u Temp: 95°C Tubes 1 to 51
Hot:Block#:_____ Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		100	3.0 ml	Y	0.1		
2	ICB							
	CCV			2.5 ml	Y	0.1		
	CCB							
3	CRI			2.0 ml	Y	0.01		
4	MP80222-MB1	0.6001					MP80222	
5	MP80222-LC1	0.1007						
6	MP80222-S1	0.6076		2.0ml	Y	0.1		JB69562-1A
7	MP80222-S2	0.6317		2.0ml	Y	0.1		JB69562-1A
8	JB69562-1A	0.6287						
9	JB69562-2A	0.6345						
10	JB69562-3A	0.6392						
11	JB69847-1	0.6232						
12	JB69791-1A	0.6555						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB69791-6A	0.6405						
14	JB69792-1A	0.6551						
15	JB69793-1A	0.6841						
16	JB69793-5A	0.6948						
17	JB69793-6A	0.6589						
18	JB68289-1R	0.6361						
19	JB68289-2	0.6067						
20	JB68289-5R	0.6655						
21	JB68289-6	0.6424						
22	JB68289-13R	0.6359						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB68289-14	0.6216						
24	JB68289-19	0.6001						
25	JB68289-22R	0.6202						
26	JB68289-23	0.6473						
27	JB68289-26	0.6376						
28	MP80223-MB1	0.6000					MP80223	
29	MP80223-LC1	0.1005						
30	MP80223-S1	0.6271		2.0ml	Y	0.1		JB69763-14
31	MP80223-S2	0.6219		2.0ml	Y	0.1		JB69763-14
32	JB69123-1	1.7500						Low % Sol
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/23/14
DATE: _____

11.7.1 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34291
Analyst:	JW
Date:	6/23/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B EPA 245.5 CLP-M

Type of Digestion: Hot:Block#: 2 Hot Block: Start Time: 12:00 Temp: 95 End Time: 16:30 Temp: 95 Tubes 52 to 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	JB69123-2	0.9811	100					
34	JB69123-3	1.0034						
35	JB69123-4	1.1401						Low %Sol
36	JB69123-5	0.8015						
37	JB69123-6	1.0457						
38	JB69763-1	0.6137						
39	JB69763-2	0.6395						
40	JB69763-3	0.6689						
41	JB69763-4	0.6161						
42	JB69763-5	0.6152						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB69763-6	0.6157						
44	JB69763-7	0.6545						
45	JB69763-8	0.6882						
46	JB69763-9	0.6641						
47	JB69763-10	0.6577						
48	JB69763-11	0.6049						
49	JB69763-12	0.6922						
50	JB69763-13	0.6398						
51	JB69763-14	0.6610						
52	MP80224-MB1	0.6000					MP80224	
	CCV			2.5 ml	Y	0.1		
	CCB							
53	MP80224-LC1	0.1004						
54	MP80224-S1	0.6062		2.0ml	Y	0.1		JB69601-1
55	MP80224-S2	0.6307		2.0ml	Y	0.1		JB69601-1
56	JB69601-1	0.6491						
57	JB69650-2	0.6348						
58	JB69650-3	0.6502						
59	JB69650-4	0.6218						
60	JB69650-5	0.6213						
61	JB69912-1	0.6244						
62	JB69309-1	0.6614						
	CCV			2.5 ml	Y	0.1		
	CCB							
63	JB69309-2	0.6530						
64	JB69309-3	0.6766						
65	JB69309-4	0.6694						
66	JB69309-5	0.6006						

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/23/14
QC REVIEWER: _____ DATE: _____

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34291
Analyst:	JW
Date:	6/23/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B

EPA 245.5 CLP-M

Type of Digestion: Hot:Block#: 2 Hot Block: Start Time: 1100 Temp: 95 End Time: 1130 Temp: Tubes 52 to 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
67	JB69309-6	0.6175	100					
68	JB69309-7	0.6366						
69	JB69309-8	0.6608						
70	JB69924-1A	0.6868						
71	JB69925-1A	0.6630						
72	JB69925-7A	0.6967						
	CCV			2.5 ml	Y	0.1		
	CCB							
73	JB69930-1A	0.6415						
74	JB69930-6A	0.6771						
75	JB69767-1	0.6960						
76								
77								
78								
79								
80								
81								
82								
	CCV			2.5 ml		0.1		
	CCB							
83								
84								
85								
86								
87								
88								
89								
90								
91								
92								
	CCV			2.5 ml		0.1		
	CCB							
93								
94								
95								
96								
97								
98								
99								
100								
101								
102								
	CCV			2.5 ml		0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/23/14
QC REVIEWER: _____ DATE: _____

11.7.1 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #: MA34291
Analyst: SW
Date: 6/23/14
Balance ID: 24
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot Block#: 7 Hot:Block: Start Time: 10:30 Temp: 95° End Time: 12:00 T Temp: 95° Tubes 1605
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:** 6/23/14
QC Reviewer: **Date:**

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34291

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. ~~Sulfuric~~ HCL (JW) Acid	6/16	Baker 60411
Conc. Nitric Acid	6/16	Baker 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-1482-78 --HGHCL
Potassium Permanganate	12/12/14	HG-1482-76 --HGKM2
Stannous Chloride	6/24/14	HG-1482-116 --HGS
STD Hg standard solution 1000 ppm	1/31/16	ULTRA J01211
STD Hg standard solution 100 ppb	6/24/14	HG-1482-113 --HGA1
STD Hg standard solution 10 ppb	6/24/14	HG-1482-114 --HGA2
ICV Hg standard solution 1000 ppm	2/1/2015	INORG VENTURE F2-HG0215
ICV Hg standard solution ~~50~~ 100 ppb (JW)	6/24/14	HG-1482-115 --HGB1
Solid Lab control	11/14/16	ERA D082-540
Aqua Regia	6/24/14	HG-1482-117 --HGKAQ
Dilution acid	12/12/14	HG-1482-79 --HGD1
Digestion Tubes Lot	N/A	EXPRESS
Teflon Chips	N/A	Saint Gobain F718-2G022

Form: GN087A80-03
Rev. Date: 10/15/12

11.7.1 11

ACCUTEST.

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34295
Analyst: DP
Date: 6/23/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 425

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID Y: Start Time: 9:00 Temp: 94°C/95 End time: 11:00 Temp: 94°C/95 Tubes: 4 - 28

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	~~MW828237-MB~~								SPLP
5	-B1				2.0ML	Y	0.03		
6	-S1								JB67476-26T
7	-S2								
8	JB67476-26T								
9	~~MW828235-MS~~								
10	-B1								
11	-S1				2.0ML	Y	0.03		
12	-S2								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
13	JB69793-1B								
14	-5B								
15	-6B								
16	JB69791-1B								
17	-6B								
18	JB69792-1MB								
19	JB69817-5								
20	-10								
21	-15								
22	-20								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
23	JB69817-25								
24	~~MW828236-MB~~								
25	-B1								
26	-S1								
27	-S2								
28	JB69647-2								
29	~~MW828237-MB~~								SW846
30	-2B				2.0ML	Y	0.03		
31	-S1								JB69115-3
32	-S2								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: DP
QC REVIEWER: [illegible]

DATE: 6/23/14
DATE: 6/23/14

11.7.2 11

ACCUTEST

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34295
Analyst: DP
Date: 6/23/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID:

Methods (Circle as appropriate)

EPA 245.1 **SW846 7470A**

Type of Digestion:

Hot Block ID 8 Start Time: 11:00 Temp: 94°C End time: 13:00 Temp: 94°C Tubes: 29 – 80

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	JB69115-3	Y	30	30					
34	-53				2.0ml	Y	0.03		Y JB69115-3F
35	-54								
36	JB69115-3F								
37	JB69048-1								
38	-2								
39	-3								
40	-4								
41	-5								
42	-6								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
43	JB69-48-7								
44	-8								
45	-9								
46	JB68943-37		1 ml						Brown, mydg
47	-38		30						
48	JB68977-11								
49	JB68983-1								
50	-2								
51	JB69-78-3								
52	JB69650-8								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
53	JB69650-9								
54	-10								
55	[illegible]	N							
56	-4	N			2.0ml	Y	0.03 DJ		
57	-51	Y							
58	-52								Y JB69115-5
59	JB69115-5								
60	-53								
61	-54				2.0ml	Y	0.03		Y JB69115-3F
62	-5F								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

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Form GN022A-02
Revision Date: 03/25/13

ANALYST: Data
QC REVIEWER: ___

DATE: 6/23/14
DATE: ___

ACCUTEST.

Mercury Digestion Log

Product **HG / EHG**
Matrix: Aq / Liq / DW

MA Batch: MA34295
Analyst: DP
Date: 6/23/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 425

Methods (Circle as appropriate)

EPA 245.1 **SW846 7470A**

Type of Digestion:

Hot Block ID___ Start Time: 13:00 Temp: 94+1-95 End time: 15:00 Temp: 94+1-95 Tubes: 76-92

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	JB69115-3	Y	30	30					
64	-4								
65	-6								
66	-7								
67	-8								
68	-9								
69	-2F								
70	-4F								
71	-6F								
72	-7F								
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
73	JB69115-8F								
74	-9F								
75	JB69681-1								
76	-1F								
77	JB68943-66		1 ml						Brown, muddy
78	-67		5 ml						Brown, muddy
79	JB69912-2		30						
80	JB69133-7								
81	~~MS JB69133-7MB~~	N							
82	-4G	N			2.0ml	Y	0.03		
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
83	MP80239-S1	Y			2.0ml	Y	0.03		JB69102-1
84	-S2								
85	JB69056-1								
86	JB69102-1								
87	JB69170-1								
88	JB69379-1								
89	JB69430-3								
90	JB69896-1								
91	MP80348-DMB								
92	-DLC				2.0ml	Y	0.03		
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
93									
94									
95									
96									
97									
98									
99									
100									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02

ANALYST: [signature]

DATE: 6/23/14

11.7.2 11

ACCUTEST

Mercury Digestion Log

Product HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA34295
Analyst: DP
Date: 6/23/14
Balance ID: N/A
Reagents: See attached sheet
Thermometer ID: 425

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A EPA 245.1 CLP-M

Type of Digestion:

Hot Block: Start Time: 9:00 Temp: 94+/-95 End time: 11:00 Temp: 94+/-95

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	N			
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		0.0030		
S-4	1.00 ug/l standard	30 ml	30 ml	1.0 ml		0.0300		
S-5	2.50 ug/l standard	30 ml	30 ml	2.5 ml		0.0300		
S-6	5.00 ug/l standard	30 ml	30 ml	5.0 ml		0.0300		

Analyst: Daly Date: 6/23/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

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ACCUTEST.

Reagent Information Log- Hg Waters

MA # 34295

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 0000074185
Sodium Chloride-Hydroxylamine Hydrochloride	12/20/14	HG-1492-112-HGHCL
Potassium Permanganate 5%	↓	HG-1492-110-HGKM1
Potassium Persulfate		HG-1492-111-HGKS
Stannous Chloride	6/24/14	HG-1496-98-HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/24/14	HG-1496-95-HGA3
STD Hg standard solu ion 3 ppb	6/24/14	HG-1496-96-HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/24/14	HG-1496-97-HGB3
Dilution Acid		HG---HGD2(AQ)
Digestion Tubes Lot	N/A	Envi Express- 3/2222 ~~HG---HGD2(AQ)~~
pH Paper	N/A	Hydrion Papers 1 to 12, Lot # 160/1-12.209510

Form: GN087A79-03
Rev. Date: 02/27/13

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ACCUTEST LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP80126	6/18/2014	9:00	6/18/2014	1600	JB68289-2	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	5	429	B-41	90	0	90	
1	End	5	429	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
MP80126-MB1	N/A	100	0.97	A,B,C,D		
MP80126-B1	N/A	100	0.97	A,B,C,D	A & B	
MP80126-S1	1	100	0.96	A,B,C,D	A & B	
MP80126-S2	1	100	1.01	A,B,C,D	A & B	
MP80126-SD1	1	100	1.02	A,B,C,D		
JB68289-13R	1	100	1.01	A,B,C,D		
JB68289-14	1	100	0.96	A,B,C,D		
JB68289-19	1	100	0.98	A,B,C,D		
JB68289-1R	1	100	0.99	A,B,C,D		
JB68289-2	1	100	1.02	A,B,C,D		
JB68289-22R	1	100	1.01	A,B,C,D		
JB68289-23	1	100	1.01	A,B,C,D		
JB68289-26	1	100	1.02	A,B,C,D		
JB68289-5R	1	100	0.99	A,B,C,D		
JB68289-6	1	100	0.99	A,B,C,D		
JB69123-1	1	100	1.04	A,B,C,D		
JB69123-2	1	100	1.04	A,B,C,D		
JB69123-3	1	100	0.96	A,B,C,D		
JB69123-4	1	100	1.05	A,B,C,D		
JB69123-5	1	100	1.01	A,B,C,D		
JB69123-6	1	100	1.01	A,B,C,D		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	5
B	1:1 HNO3	10
C	H2O2 30%	3
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	2
B	MIN2	2
C		
D		
E		
F		
G		
H		

Comments:

Analyst AMIRAHH **Approved by** Wendyz **Approved on** 6/18/2014

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 80126
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	9/1/14	MP-013-1057 -SP
Spiking Solution - Min. Spike	12/14/14	MP-013-1059 -MIN2
Spiking Solution - Odd Spike	12/16/14	MP-013-1060 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	06/2016	# Batch NO: 0000174185 J.T. Baker
Nitric Acid (1:1)	12/16/14	MP-013-20-197 -HNO3 (1:1) J.T. Baker
Hydrochloric Acid	06/2016	# Batch NO: 0000160411 J.T. Baker
Hydrogen Peroxide	06/2016	Lot #: 142358 Mfg. Fisher Scientific
Lab Control	6/17/15	Lot #: D082-540 Mfg. ERA
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC010444 Mfg. Fisher Sci.
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
Teflon Chips	N/A	Batch # F718-2G022 Saint-Gobain

Form: AA014A-02
Rev. Date: 10/15/12

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
MP80152	6/19/2014	9:20	6/19/2014	15:30	JB68948-2F	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	8	405	90	0	90
1	End	8	405	90	0	90
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP80152-MB1	N/A	N	50	50	AB		
MP80152-S1	11	Y	50	50	AB	AB	
MP80152-S2	11	Y	50	50	AB	AB	
MP80152-SD1	11	Y	50	50	AB		
JB68948-1F	6	Y	50	50	AB		
JB68948-2F	11	Y	50	50	AB		
JB68948-3F	6	Y	50	50	AB		
JB68948-4F	6	Y	50	50	AB		
JB68948-5F	6	Y	50	50	AB		
JB68948-6F	6	Y	50	50	AB		
JB69123-7	3	Y	50	50	AB		
JB69250-1	5	Y	50	50	AB		
JB69250-2	5	Y	50	50	AB		
JB69250-3	5	Y	50	50	AB		
JB69250-4	5	Y	50	50	AB		
JB69250-5	5	Y	50	50	AB		
JB69285-4	1	Y	50	50	AB		
JB69348-1	1	Y	5	50	AB		BLACK, THICK, ORoR
JB69348-3	5	Y	50	50	AB		
JB69348-4	5	Y	50	50	AB		
JB69578-11	3	Y	50	50	AB		
JB69578-12	3	Y	50	50	AB		
JB69578-13	3	Y	50	50	AB		
JB69578-14	3	Y	50	50	AB		
MP80152-LC1	N/A	Y	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** Wendyz **Approved on** 6/19/2014

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 80152
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	9/11/14	MP-013-657 -SP
Spiking Solution - Min. Spike	11/5/14	MP-013-649 -MIN1
Spiking Solution - Odd Spike	12/16/14	MP-013-660 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	E/ Batch LIO: 74185 JTBaker
Nitric Acid (1:1)		MP-0 - -HNO3 (1:1)
Hydrochloric Acid	12/16/14	MP-013-20-198 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	9/1/14	MP-~~0~~ 151 - 117 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: 7C0104444 Mfg. Fisher Sci.
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
pH Paper	10-15-16	Hydrion Paper 1 to 12, lot # 228713

Form: AA014B-01
Rev. Date: 5/12/08

ACCUTEST LABORATORIES JB69123

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: JB69123
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69123-1	**Analyzed:** 18-JUN-14 by MS		**Method:** SM2540 G-97	
ClientID: 345-PE-24				
Wet Weight (Total)	24.44	g		
Tare Weight	18.64	g		
Dry Weight (Total)	20.89	g		
Solids, Percent	38.8	%		
Sample: JB69123-2	**Analyzed:** 18-JUN-14 by MS		**Method:** SM2540 G-97	
ClientID: 346-PE-25				
Wet Weight (Total)	32.75	g		
Tare Weight	26.1	g		
Dry Weight (Total)	29.09	g		
Solids, Percent	45	%		
Sample: JB69123-3	**Analyzed:** 18-JUN-14 by MS		**Method:** SM2540 G-97	
ClientID: 347-DUP-5				
Wet Weight (Total)	33.13	g		
Tare Weight	26.41	g		
Dry Weight (Total)	29.16	g		
Solids, Percent	40.9	%		
Sample: JB69123-4	**Analyzed:** 18-JUN-14 by MS		**Method:** SM2540 G-97	
ClientID: 348-PE-11				
Wet Weight (Total)	33.91	g		
Tare Weight	27.17	g		
Dry Weight (Total)	30.33	g		
Solids, Percent	46.9	%		
Sample: JB69123-5	**Analyzed:** 19-JUN-14 by NR		**Method:** SM2540 G-97	
ClientID: 349-PE-9				
Wet Weight (Total)	32.58	g		
Tare Weight	24.12	g		
Dry Weight (Total)	28.71	g		
Solids, Percent	54.3	%		
Sample: JB69123-6	**Analyzed:** 19-JUN-14 by NR		**Method:** SM2540 G-97	
ClientID: 350-PE-10				
Wet Weight (Total)	34.92	g		
Tare Weight	26.86	g		
Dry Weight (Total)	29.82	g		
Solids, Percent	36.7	%		

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
042114-3:12171	JB69123-1.3	37.0600	40.4000	3.3400				NAB	
042114-3:12018	JB69123-1.4	35.1600	39.0200	3.8600				NAB	
042114-3:12021	JB69123-1.5	35.2600	39.3700	4.1100				NAB	
042114-3:12289	JB69123-2.3	37.0700	40.5500	3.4800				NAB	
042114-3:11782	JB69123-2.4	34.7700	39.3500	4.5800				NAB	
042114-3:11872	JB69123-2.5	34.7400	39.0600	4.3200				NAB	
042114-3:12178	JB69123-3.3	37.2100	41.0000	3.7900				NAB	
042114-3:11866	JB69123-3.4	34.7100	38.9900	4.2800				NAB	
042114-3:11761	JB69123-3.5	34.7200	39.1100	4.3900				NAB	
042114-3:12269	JB69123-4.3	36.8700	40.8300	3.9600				NAB	
042114-3:11769	JB69123-4.4	34.9500	39.6200	4.6700				NAB	
042114-3:11869	JB69123-4.5	34.9800	39.6700	4.6900				NAB	
5/20/2014-4495	JB69123-5.2	36.7800	41.6300	4.8500	6/12/2014 3:56:25 PM	dk010	jp	10ml MeOH	
5/29/2014-5906	JB69123-5.3	34.3900	39.0000	4.6100	6/12/2014 3:56:43 PM	di	jp	DI water	
5/29/2014-5907	JB69123-5.4	34.5600	39.5400	4.9800	6/12/2014 3:56:57 PM	di	jp	DI water	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
5/20/2014-4511	JB69123-6.2	36.3600	39.9100	3.5500	6/12/2014 3:57:07 PM	dk010	jp	10ml MeOH	
5/29/2014-5938	JB69123-6.3	34.2400	38.1400	3.9000	6/12/2014 3:57:18 PM	di	jp	DI water	
5/29/2014-5939	JB69123-6.4	34.4200	38.2100	3.7900	6/12/2014 3:57:37 PM	di	jp	DI water	