New Jersey ACCUTEST LABORATORIES

09/18/14

Technical Report for

Langan Engineering & Environmental

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

100287501 365 Bond Street

Accutest Job Number: JB68458

Sampling Dates: 06/03/14 - 06/04/14

Report to:

Langan Engineering & Environmental

ldeckard@langan.com

ATTN: Lindsay Deckard

Total number of pages in report: **1172**

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: JB68458

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB68458-1	06/03/14	14:35	CBM	06/04/14	SO	Soil	329-PE-42
JB68458-2	06/04/14	07:20	CBM	06/04/14	SO	Soil	269-PE-52
JB68458-3	06/04/14	09:20	CBM	06/04/14	AQ	Trip Blank Soil	330-TB-9
JB68458-4	06/04/14	09:05	CBM	06/04/14	AQ	Field Blank Soil	331-FB-10
JB68458-5	06/04/14	09:15	CBM	06/04/14	SO	Soil	332-PE-58
JB68458-6	06/04/14	09:20	CBM	06/04/14	SO	Soil	333-PE-57

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB68458
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/19/2014 6:32:01 PM

On 06/04/2014, 4 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB68458 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V2C5484

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

Matrix: SO **Batch ID:** V3V487

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB68467-1MS, JB68467-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** V3V489

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68403-4DUP, JB68403-5MS were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75437

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68401-1MS, JB68401-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Benzaldehyde are outside control limits. Outside of in-house control limits.

Matrix: SO **Batch ID:** OP75383

- All samples were extracted within the recommended method holding time.
- Sample(s) JB68432-18MS, JB68432-18MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for 2-Methylnaphthalene, Butyl benzyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Naphthalene , Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzo(k)fluoranthene, Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Carbazole, Chrysene, Fluorene, Fluoranthene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Recovery(s) for Acenaphthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Carbazole, Fluorene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, bis(2-Ethylhexyl)phthalate, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 1,4-Dioxane, 2-Methylnaphthalene, 4-Chloroaniline, Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Butyl benzyl phthalate, Carbazole, Chrysene, Di-n-octyl phthalate, Dibenzofuran, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene are outside control limits for sample OP75383-MSD. Outside control limits due to matrix interference.
- OP75383-MSD: Dilution required due to viscosity of the extract matrix
- OP75383-MS: Dilution required due to viscosity of the extract matrix

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP79919

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

Matrix: SO **Batch ID:** MP79946

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68291-1MS, JB68291-1MSD, JB68291-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Calcium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Calcium, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cadmium, Selenium are outside control limits for sample MP79946-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP79946-SD1 for Cobalt: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP80118

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68411-1MS, JB68411-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix:	SO	Batch ID:	MP80104

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68432-19MSD, JB68432-19MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.

Matrix:	SO	Batch ID:	MP80127

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69450-5MS, JB69450-5MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix:	SO	Batch ID:	GN6127

- 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: JB68458
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/03/14 thru 06/04/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68458-1	**329-PE-42**					
Acetone		0.0819	0.033	0.015	mg/kg	SW846 8260C
Carbon disulfide		0.0448	0.016	0.00047	mg/kg	SW846 8260C
Toluene		0.0024 J	0.0033	0.00047	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0791	0.078	0.025	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0711 J	0.078	0.024	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0842	0.078	0.026	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0429 J	0.078	0.029	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0321 J	0.078	0.029	mg/kg	SW846 8270D
Chrysene		0.0757 J	0.078	0.026	mg/kg	SW846 8270D
Fluoranthene		0.136	0.078	0.034	mg/kg	SW846 8270D
Phenanthrene		0.0832	0.078	0.035	mg/kg	SW846 8270D
Pyrene		0.132	0.078	0.030	mg/kg	SW846 8270D
Aluminum		15400	51	1.3	mg/kg	SW846 6010C
Arsenic		3.3	2.0	0.30	mg/kg	SW846 6010C
Barium		30.5	20	0.082	mg/kg	SW846 6010C
Beryllium		0.72	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.13 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		2700	510	3.1	mg/kg	SW846 6010C
Chromium		26.0	1.0	0.072	mg/kg	SW846 6010C
Cobalt		7.6	5.1	0.061	mg/kg	SW846 6010C
Copper		8.9	2.6	0.15	mg/kg	SW846 6010C
Iron		18700	51	0.98	mg/kg	SW846 6010C
Lead		12.7	2.0	0.21	mg/kg	SW846 6010C
Magnesium		5870	510	3.5	mg/kg	SW846 6010C
Manganese		192	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.032 B	0.043	0.0096	mg/kg	SW846 7471B
Nickel		22.7	4.1	0.10	mg/kg	SW846 6010C
Potassium		3420	1000	4.1	mg/kg	SW846 6010C
Selenium		0.92 B	2.0	0.34	mg/kg	SW846 6010C
Sodium		2090	1000	1.9	mg/kg	SW846 6010C
Vanadium		45.7	5.1	0.092	mg/kg	SW846 6010C
Zinc		51.3	2.0	0.39	mg/kg	SW846 6010C
JB68458-2	**269-PE-52**					
Acetone		0.0573	0.015	0.0066	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0118 J	0.015	0.0064	mg/kg	SW846 8260C
Aluminum		16500	51	1.4	mg/kg	SW846 6010C
Antimony		0.34 B	2.1	0.28	mg/kg	SW846 6010C
Arsenic		8.9	2.1	0.30	mg/kg	SW846 6010C
Barium		39.6	21	0.082	mg/kg	SW846 6010C
Beryllium		0.61	0.21	0.021	mg/kg	SW846 6010C
Cadmium		0.082 B	0.51	0.051	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68458
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/03/14 thru 06/04/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		3580	510	3.1	mg/kg	SW846 6010C
Chromium		31.3	1.0	0.072	mg/kg	SW846 6010C
Cobalt		6.9	5.1	0.062	mg/kg	SW846 6010C
Copper		23.7	2.6	0.15	mg/kg	SW846 6010C
Iron		38700	51	0.99	mg/kg	SW846 6010C
Lead		60.0	2.1	0.22	mg/kg	SW846 6010C
Magnesium		5910	510	3.5	mg/kg	SW846 6010C
Manganese		265	1.5	0.062	mg/kg	SW846 6010C
Mercury		0.10	0.050	0.011	mg/kg	SW846 7471B
Nickel		23.8	4.1	0.10	mg/kg	SW846 6010C
Potassium		3380	1000	4.1	mg/kg	SW846 6010C
Selenium		0.58 B	2.1	0.34	mg/kg	SW846 6010C
Sodium		820 B	1000	1.9	mg/kg	SW846 6010C
Vanadium		37.6	5.1	0.092	mg/kg	SW846 6010C
Zinc		62.2	2.1	0.39	mg/kg	SW846 6010C
JB68458-3	**330-TB-9**					
No hits reported in this sample.						
JB68458-4	**331-FB-10**					
bis(2-Ethylhexyl)phthalate		1.5 J	2.2	0.62	ug/l	SW846 8270D
Calcium		52.5 B	5000	19	ug/l	SW846 6010C
Sodium		213 B	10000	19	ug/l	SW846 6010C
JB68458-5	**332-PE-58**					
Acetone		0.0273	0.022	0.010	mg/kg	SW846 8260C
Carbon disulfide		0.0246	0.011	0.00031	mg/kg	SW846 8260C
Aluminum		17600	52	1.4	mg/kg	SW846 6010C
Antimony		0.39 B	2.1	0.28	mg/kg	SW846 6010C
Arsenic		10.3	2.1	0.30	mg/kg	SW846 6010C
Barium		35.9	21	0.084	mg/kg	SW846 6010C
Beryllium		0.99	0.21	0.021	mg/kg	SW846 6010C
Cadmium		0.17 B	0.52	0.052	mg/kg	SW846 6010C
Calcium		2150	520	3.2	mg/kg	SW846 6010C
Chromium		31.9	1.0	0.073	mg/kg	SW846 6010C
Cobalt		11.2	5.2	0.063	mg/kg	SW846 6010C
Copper		12.1	2.6	0.16	mg/kg	SW846 6010C
Iron		31400	52	1.0	mg/kg	SW846 6010C
Lead		14.8	2.1	0.22	mg/kg	SW846 6010C
Magnesium		7360	520	3.5	mg/kg	SW846 6010C
Manganese		372	1.6	0.063	mg/kg	SW846 6010C
Mercury		0.025 B	0.059	0.013	mg/kg	SW846 7471B

Summary of Hits

Job Number: JB68458
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/03/14 thru 06/04/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		28.4	4.2	0.10	mg/kg	SW846 6010C
Potassium		3910	1000	4.2	mg/kg	SW846 6010C
Selenium		0.75 B	2.1	0.35	mg/kg	SW846 6010C
Sodium		2440	1000	2.0	mg/kg	SW846 6010C
Vanadium		39.5	5.2	0.094	mg/kg	SW846 6010C
Zinc		76.4	2.1	0.40	mg/kg	SW846 6010C
JB68458-6	**333-PE-57**					
Acetone		0.0278	0.023	0.011	mg/kg	SW846 8260C
Carbon disulfide		0.0126	0.012	0.00033	mg/kg	SW846 8260C
Pyrene		0.0276 J	0.063	0.024	mg/kg	SW846 8270D
Aluminum		17500	50	1.3	mg/kg	SW846 6010C
Antimony		0.48 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		11.1	2.0	0.29	mg/kg	SW846 6010C
Barium		35.9	20	0.081	mg/kg	SW846 6010C
Beryllium		1.0	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.19 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		2190	500	3.0	mg/kg	SW846 6010C
Chromium		32.3	1.0	0.070	mg/kg	SW846 6010C
Cobalt		11.0	5.0	0.060	mg/kg	SW846 6010C
Copper		12.0	2.5	0.15	mg/kg	SW846 6010C
Iron		33500	50	0.97	mg/kg	SW846 6010C
Lead		15.1	2.0	0.21	mg/kg	SW846 6010C
Magnesium		7340	500	3.4	mg/kg	SW846 6010C
Manganese		357	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.030 B	0.065	0.015	mg/kg	SW846 7471B
Nickel		27.8	4.0	0.10	mg/kg	SW846 6010C
Potassium		3890	1000	4.0	mg/kg	SW846 6010C
Selenium		0.45 B	2.0	0.33	mg/kg	SW846 6010C
Sodium		2480	1000	1.9	mg/kg	SW846 6010C
Vanadium		40.7	5.0	0.091	mg/kg	SW846 6010C
Zinc		83.7	2.0	0.38	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	329-PE-42		
Lab Sample ID:	JB68458-1	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	37.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11492.D	1	06/06/14	TDN	n/a	n/a	V3V489
Run #2							

	Initial Weight
Run #1	4.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0819	0.033	0.015	mg/kg	
71-43-2	Benzene	ND	0.0033	0.00042	mg/kg	
74-97-5	Bromochloromethane	ND	0.016	0.0017	mg/kg	
75-27-4	Bromodichloromethane	ND	0.016	0.00093	mg/kg	
75-25-2	Bromoform	ND	0.016	0.00086	mg/kg	
74-83-9	Bromomethane	ND	0.016	0.0016	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.033	0.015	mg/kg	
75-15-0	Carbon disulfide	0.0448	0.016	0.00047	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.016	0.00083	mg/kg	
108-90-7	Chlorobenzene	ND	0.016	0.00065	mg/kg	
75-00-3	Chloroethane	ND	0.016	0.0033	mg/kg	
67-66-3	Chloroform	ND	0.016	0.00084	mg/kg	
74-87-3	Chloromethane	ND	0.016	0.0011	mg/kg	
110-82-7	Cyclohexane	ND	0.016	0.00085	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.033	0.0044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.016	0.00080	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0033	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.016	0.0011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.016	0.00072	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.016	0.00083	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.016	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.016	0.0010	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0033	0.0011	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.016	0.00095	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.016	0.00068	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.016	0.0014	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.016	0.0014	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.016	0.00075	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.016	0.00089	mg/kg	
100-41-4	Ethylbenzene	ND	0.0033	0.00058	mg/kg	
76-13-1	Freon 113	ND	0.016	0.0014	mg/kg	
591-78-6	2-Hexanone	ND	0.016	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:	329-PE-42		
Lab Sample ID:	JB68458-1	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	37.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.016	0.00048	mg/kg	
79-20-9	Methyl Acetate	ND	0.016	0.0055	mg/kg	
108-87-2	Methylcyclohexane	ND	0.016	0.00054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0033	0.0011	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.016	0.0044	mg/kg	
75-09-2	Methylene chloride	ND	0.016	0.0056	mg/kg	
100-42-5	Styrene	ND	0.016	0.00077	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.016	0.0011	mg/kg	
127-18-4	Tetrachloroethene	ND	0.016	0.0014	mg/kg	
108-88-3	Toluene	0.0024	0.0033	0.00047	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.016	0.00068	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.016	0.00060	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.016	0.00095	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.016	0.0027	mg/kg	
79-01-6	Trichloroethene	ND	0.016	0.0012	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.016	0.00074	mg/kg	
75-01-4	Vinyl chloride	ND	0.016	0.0011	mg/kg	
	m,p-Xylene	ND	0.0033	0.0016	mg/kg	
95-47-6	o-Xylene	ND	0.0033	0.00059	mg/kg	
1330-20-7	Xylene (total)	ND	0.0033	0.00059	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		59-130%
17060-07-0	1,2-Dichloroethane-D4	101%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	111%		71-132%

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

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	329-PE-42		
Lab Sample ID:	JB68458-1	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	37.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32775.D	1	06/16/14	SP	06/09/14	OP75383	E3P1403
Run #2							

	Initial Weight	Final Volume
Run #1	34.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.16	0.078	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.39	0.078	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	1.6	0.095	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.6	0.095	mg/kg	
95-48-7	2-Methylphenol	ND	0.16	0.088	mg/kg	
	3&4-Methylphenol	ND	0.16	0.099	mg/kg	
88-75-5	2-Nitrophenol	ND	0.39	0.082	mg/kg	
100-02-7	4-Nitrophenol	ND	0.78	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.78	0.13	mg/kg	
108-95-2	Phenol	ND	0.16	0.081	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.39	0.080	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	0.078	0.023	mg/kg	
208-96-8	Acenaphthylene	ND	0.078	0.025	mg/kg	
98-86-2	Acetophenone	ND	0.39	0.014	mg/kg	
120-12-7	Anthracene	ND	0.078	0.027	mg/kg	
1912-24-9	Atrazine	ND	0.16	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	0.0791	0.078	0.025	mg/kg	
50-32-8	Benzo(a)pyrene	0.0711	0.078	0.024	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0842	0.078	0.026	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0429	0.078	0.029	mg/kg	J
207-08-9	Benzo(k)fluoranthene	0.0321	0.078	0.029	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.16	0.028	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.16	0.045	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.16	0.0090	mg/kg	
100-52-7	Benzaldehyde	ND	0.39	0.018	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.16	0.024	mg/kg	
106-47-8	4-Chloroaniline	ND	0.39	0.025	mg/kg	
86-74-8	Carbazole	ND	0.16	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:	329-PE-42		
Lab Sample ID:	JB68458-1	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	37.9
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	0.024	mg/kg	
218-01-9	Chrysene	0.0757	0.078	0.026	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.16	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.16	0.023	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.16	0.023	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.16	0.023	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.078	0.034	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.078	0.030	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.16	0.020	mg/kg	
123-91-1	1,4-Dioxane	ND	0.078	0.050	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.078	0.026	mg/kg	
132-64-9	Dibenzofuran	ND	0.16	0.023	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.16	0.017	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.16	0.038	mg/kg	
84-66-2	Diethyl phthalate	ND	0.16	0.026	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.16	0.027	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.16	0.069	mg/kg	
206-44-0	Fluoranthene	0.136	0.078	0.034	mg/kg	
86-73-7	Fluorene	ND	0.078	0.025	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.16	0.025	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.078	0.022	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.78	0.079	mg/kg	
67-72-1	Hexachloroethane	ND	0.39	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.078	0.027	mg/kg	
78-59-1	Isophorone	ND	0.16	0.021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.16	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	0.078	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.16	0.022	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.16	0.019	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.39	0.046	mg/kg	
85-01-8	Phenanthrene	0.0832	0.078	0.035	mg/kg	
129-00-0	Pyrene	0.132	0.078	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	74%		13-110%

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

Report of Analysis

Client Sample ID:	329-PE-42		
Lab Sample ID:	JB68458-1	**Date Sampled:**	06/03/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	37.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	74%		15-110%
118-79-6	2,4,6-Tribromophenol	106%		20-123%
4165-60-0	Nitrobenzene-d5	82%		10-110%
321-60-8	2-Fluorobiphenyl	85%		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: 329-PE-42
Lab Sample ID: JB68458-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/03/14
Date Received: 06/04/14
Percent Solids: 37.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15400	51	1.3	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.28 U	2.0	0.28	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.3	2.0	0.30	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	30.5	20	0.082	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.72	0.20	0.020	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.13 B	0.51	0.051	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2700	510	3.1	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	26.0	1.0	0.072	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	7.6	5.1	0.061	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	8.9	2.6	0.15	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	18700	51	0.98	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	12.7	2.0	0.21	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	5870	510	3.5	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Manganese	192	1.5	0.061	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.032 B	0.043	0.0096	mg/kg	1	06/18/14	06/18/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	22.7	4.1	0.10	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	3420	1000	4.1	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.92 B	2.0	0.34	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.14 U	0.51	0.14	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Sodium	2090	1000	1.9	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.42 U	1.0	0.42	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Vanadium	45.7	5.1	0.092	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	51.3	2.0	0.39	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34228
(3) Instrument QC Batch: MA34271
(4) Prep QC Batch: MP79946
(5) Prep QC Batch: MP80127

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	269-PE-52		
Lab Sample ID:	JB68458-2	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	63.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11459.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0573	0.015	0.0066	mg/kg	
71-43-2	Benzene	ND	0.0015	0.00018	mg/kg	
74-97-5	Bromochloromethane	ND	0.0073	0.00076	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0073	0.00041	mg/kg	
75-25-2	Bromoform	ND	0.0073	0.00038	mg/kg	
74-83-9	Bromomethane	ND	0.0073	0.00070	mg/kg	
78-93-3	2-Butanone (MEK)	0.0118	0.015	0.0064	mg/kg	J
75-15-0	Carbon disulfide	ND	0.0073	0.00021	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0073	0.00037	mg/kg	
108-90-7	Chlorobenzene	ND	0.0073	0.00029	mg/kg	
75-00-3	Chloroethane	ND	0.0073	0.0014	mg/kg	
67-66-3	Chloroform	ND	0.0073	0.00037	mg/kg	
74-87-3	Chloromethane	ND	0.0073	0.00050	mg/kg	
110-82-7	Cyclohexane	ND	0.0073	0.00037	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0073	0.00035	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0015	0.00080	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0073	0.00049	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0073	0.00032	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0073	0.00037	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0073	0.00051	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0073	0.00046	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0015	0.00047	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0073	0.00042	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0073	0.00030	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0073	0.00062	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0073	0.00063	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0073	0.00033	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0073	0.00039	mg/kg	
100-41-4	Ethylbenzene	ND	0.0015	0.00025	mg/kg	
76-13-1	Freon 113	ND	0.0073	0.00063	mg/kg	
591-78-6	2-Hexanone	ND	0.0073	0.0026	mg/kg	

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

Report of Analysis

Client Sample ID:	269-PE-52		
Lab Sample ID:	JB68458-2	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	63.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0073	0.00021	mg/kg	
79-20-9	Methyl Acetate	ND	0.0073	0.0024	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0073	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00050	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0073	0.0019	mg/kg	
75-09-2	Methylene chloride	ND	0.0073	0.0025	mg/kg	
100-42-5	Styrene	ND	0.0073	0.00034	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0073	0.00050	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0073	0.00060	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0073	0.00030	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0073	0.00026	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0073	0.00042	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0073	0.0012	mg/kg	
79-01-6	Trichloroethene	ND	0.0073	0.00051	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0073	0.00033	mg/kg	
75-01-4	Vinyl chloride	ND	0.0073	0.00050	mg/kg	
	m,p-Xylene	ND	0.0015	0.00070	mg/kg	
95-47-6	o-Xylene	ND	0.0015	0.00026	mg/kg	
1330-20-7	Xylene (total)	ND	0.0015	0.00026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	104%		71-132%

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

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	269-PE-52		
Lab Sample ID:	JB68458-2	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	63.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32732.D	1	06/15/14	EA	06/09/14	OP75383	E3P1402
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.098	0.049	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.25	0.049	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.25	0.079	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.25	0.083	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.98	0.060	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.98	0.060	mg/kg	
95-48-7	2-Methylphenol	ND	0.098	0.056	mg/kg	
	3&4-Methylphenol	ND	0.098	0.062	mg/kg	
88-75-5	2-Nitrophenol	ND	0.25	0.052	mg/kg	
100-02-7	4-Nitrophenol	ND	0.49	0.083	mg/kg	
87-86-5	Pentachlorophenol	ND	0.49	0.084	mg/kg	
108-95-2	Phenol	ND	0.098	0.052	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.25	0.051	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.25	0.057	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.25	0.046	mg/kg	
83-32-9	Acenaphthene	ND	0.049	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.049	0.016	mg/kg	
98-86-2	Acetophenone	ND	0.25	0.0086	mg/kg	
120-12-7	Anthracene	ND	0.049	0.017	mg/kg	
1912-24-9	Atrazine	ND	0.098	0.0097	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.049	0.016	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.049	0.015	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.049	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.049	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.049	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.098	0.018	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.098	0.028	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.098	0.0057	mg/kg	
100-52-7	Benzaldehyde	ND	0.25	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.098	0.015	mg/kg	
106-47-8	4-Chloroaniline	ND	0.25	0.016	mg/kg	
86-74-8	Carbazole	ND	0.098	0.023	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:	269-PE-52		
Lab Sample ID:	JB68458-2	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	63.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.098	0.015	mg/kg	
218-01-9	Chrysene	ND	0.049	0.017	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.098	0.020	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.098	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.098	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.098	0.015	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.049	0.021	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.049	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.098	0.012	mg/kg	
123-91-1	1,4-Dioxane	ND	0.049	0.032	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.049	0.017	mg/kg	
132-64-9	Dibenzofuran	ND	0.098	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.098	0.011	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.098	0.024	mg/kg	
84-66-2	Diethyl phthalate	ND	0.098	0.017	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.098	0.017	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.098	0.043	mg/kg	
206-44-0	Fluoranthene	ND	0.049	0.022	mg/kg	
86-73-7	Fluorene	ND	0.049	0.016	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.098	0.016	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.049	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.49	0.050	mg/kg	
67-72-1	Hexachloroethane	ND	0.25	0.014	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.049	0.017	mg/kg	
78-59-1	Isophorone	ND	0.098	0.013	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.098	0.027	mg/kg	
88-74-4	2-Nitroaniline	ND	0.25	0.022	mg/kg	
99-09-2	3-Nitroaniline	ND	0.25	0.020	mg/kg	
100-01-6	4-Nitroaniline	ND	0.25	0.019	mg/kg	
91-20-3	Naphthalene	ND	0.049	0.013	mg/kg	
98-95-3	Nitrobenzene	ND	0.098	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.098	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.25	0.029	mg/kg	
85-01-8	Phenanthrene	ND	0.049	0.022	mg/kg	
129-00-0	Pyrene	ND	0.049	0.019	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.25	0.015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		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:	269-PE-52		
Lab Sample ID:	JB68458-2	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	63.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	62%		15-110%
118-79-6	2,4,6-Tribromophenol	65%		20-123%
4165-60-0	Nitrobenzene-d5	62%		10-110%
321-60-8	2-Fluorobiphenyl	59%		17-110%
1718-51-0	Terphenyl-d14	67%		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: 269-PE-52
Lab Sample ID: JB68458-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/04/14
Date Received: 06/04/14
Percent Solids: 63.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	16500	51	1.4	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.34 B	2.1	0.28	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	8.9	2.1	0.30	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	39.6	21	0.082	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.61	0.21	0.021	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.082 B	0.51	0.051	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	3580	510	3.1	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	31.3	1.0	0.072	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.9	5.1	0.062	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	23.7	2.6	0.15	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	38700	51	0.99	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	60.0	2.1	0.22	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	5910	510	3.5	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Manganese	265	1.5	0.062	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.10	0.050	0.011	mg/kg	1	06/17/14	06/17/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	23.8	4.1	0.10	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	3380	1000	4.1	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.58 B	2.1	0.34	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.14 U	0.51	0.14	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Sodium	820 B	1000	1.9	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.42 U	1.0	0.42	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Vanadium	37.6	5.1	0.092	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	62.2	2.1	0.39	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34228
(3) Instrument QC Batch: MA34255
(4) Prep QC Batch: MP79946
(5) Prep QC Batch: MP80104

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:	330-TB-9		
Lab Sample ID:	JB68458-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/04/14
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	2C119290.D	1	06/09/14	TP	n/a	n/a	V2C5484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.30	ug/l	
74-83-9	Bromomethane	ND	2.0	0.56	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	3.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.23	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.35	ug/l	
75-00-3	Chloroethane	ND	1.0	0.39	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
74-87-3	Chloromethane	ND	1.0	0.36	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.18	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.19	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.31	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.38	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
76-13-1	Freon 113	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

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

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

Report of Analysis

Client Sample ID:	330-TB-9		
Lab Sample ID:	JB68458-3	**Date Sampled:**	06/04/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

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

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

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

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Report of Analysis

Client Sample ID:	331-FB-10		
Lab Sample ID:	JB68458-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/04/14
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	2C119291.D	1	06/09/14	TP	n/a	n/a	V2C5484
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.30	ug/l	
74-83-9	Bromomethane	ND	2.0	0.56	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	3.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.23	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.35	ug/l	
75-00-3	Chloroethane	ND	1.0	0.39	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
74-87-3	Chloromethane	ND	1.0	0.36	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.18	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.19	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.31	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.38	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
76-13-1	Freon 113	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	

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

Report of Analysis

Client Sample ID:	331-FB-10		
Lab Sample ID:	JB68458-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-120%
17060-07-0	1,2-Dichloroethane-D4	95%		72-123%
2037-26-5	Toluene-D8	109%		78-119%
460-00-4	4-Bromofluorobenzene	103%		74-119%

ND = Not detected MDL = Method Detection Limit
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:	331-FB-10		
Lab Sample ID:	JB68458-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/04/14
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	Z92332.D	1	06/10/14	AD	06/09/14	OP75437	EZ4590
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	1.5	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	7.3	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.5	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.4	ug/l	
	3&4-Methylphenol	ND	2.2	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.61	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.7	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.33	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.22	ug/l	
98-86-2	Acetophenone	ND	2.2	0.41	ug/l	
120-12-7	Anthracene	ND	1.1	0.21	ug/l	
1912-24-9	Atrazine	ND	2.2	0.48	ug/l	
100-52-7	Benzaldehyde	ND	5.6	0.76	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.25	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.28	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.34	ug/l	
86-74-8	Carbazole	ND	1.1	0.19	ug/l	

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

Report of Analysis

Client Sample ID:	331-FB-10		
Lab Sample ID:	JB68458-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/04/14
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	0.46	ug/l	
218-01-9	Chrysene	ND	1.1	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.47	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.43	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.36	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.29	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.63	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.80	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.31	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.26	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.65	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.28	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.5	2.2	0.62	ug/l	J
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.31	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.51	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.54	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.32	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.45	ug/l	
78-59-1	Isophorone	ND	2.2	0.38	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.33	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.36	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.34	ug/l	
91-20-3	Naphthalene	ND	1.1	0.30	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.58	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.42	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.21	ug/l	
129-00-0	Pyrene	ND	1.1	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		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:	331-FB-10		
Lab Sample ID:	JB68458-4	**Date Sampled:**	06/04/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/04/14
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	32%		10-110%
118-79-6	2,4,6-Tribromophenol	98%		29-139%
4165-60-0	Nitrobenzene-d5	92%		28-131%
321-60-8	2-Fluorobiphenyl	81%		30-121%
1718-51-0	Terphenyl-d14	87%		16-147%

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

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

Report of Analysis

Client Sample ID: 331-FB-10
Lab Sample ID: JB68458-4
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/04/14
Date Received: 06/04/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11 U	200	11	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Calcium	52.5 B	5000	19	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/17/14	06/17/14	JW	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Sodium	213 B	10000	19	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	2.0	1.8	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]
Zinc	7.6 U	20	7.6	ug/l	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34257
(3) Prep QC Batch: MP79919
(4) Prep QC Batch: MP80118

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	332-PE-58		
Lab Sample ID:	JB68458-5	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	51.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11460.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0273	0.022	0.010	mg/kg	
71-43-2	Benzene	ND	0.0022	0.00028	mg/kg	
74-97-5	Bromochloromethane	ND	0.011	0.0011	mg/kg	
75-27-4	Bromodichloromethane	ND	0.011	0.00062	mg/kg	
75-25-2	Bromoform	ND	0.011	0.00058	mg/kg	
74-83-9	Bromomethane	ND	0.011	0.0011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.022	0.0097	mg/kg	
75-15-0	Carbon disulfide	0.0246	0.011	0.00031	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.011	0.00055	mg/kg	
108-90-7	Chlorobenzene	ND	0.011	0.00043	mg/kg	
75-00-3	Chloroethane	ND	0.011	0.0022	mg/kg	
67-66-3	Chloroform	ND	0.011	0.00056	mg/kg	
74-87-3	Chloromethane	ND	0.011	0.00075	mg/kg	
110-82-7	Cyclohexane	ND	0.011	0.00056	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.022	0.0029	mg/kg	
124-48-1	Dibromochloromethane	ND	0.011	0.00053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	0.0012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.011	0.00074	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.011	0.00048	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.011	0.00055	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.011	0.00078	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.011	0.00069	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	0.00071	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.011	0.00063	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.011	0.00045	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.011	0.00093	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.011	0.00096	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.011	0.00050	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.011	0.00059	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00038	mg/kg	
76-13-1	Freon 113	ND	0.011	0.00096	mg/kg	
591-78-6	2-Hexanone	ND	0.011	0.0039	mg/kg	

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

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

Report of Analysis

Client Sample ID:	332-PE-58		
Lab Sample ID:	JB68458-5	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	51.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		59-130%
17060-07-0	1,2-Dichloroethane-D4	92%		65-123%
2037-26-5	Toluene-D8	100%		77-125%
460-00-4	4-Bromofluorobenzene	110%		71-132%

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

Accutest LabLink@815166 15:10 18-Sep-2014

Report of Analysis

Client Sample ID:	332-PE-58		
Lab Sample ID:	JB68458-5	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	51.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32733.D	1	06/15/14	EA	06/09/14	OP75383	E3P1402
Run #2							

	Initial Weight	Final Volume
Run #1	34.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.11	0.056	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.28	0.056	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.28	0.089	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.28	0.093	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.068	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.068	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.063	mg/kg	
	3&4-Methylphenol	ND	0.11	0.071	mg/kg	
88-75-5	2-Nitrophenol	ND	0.28	0.059	mg/kg	
100-02-7	4-Nitrophenol	ND	0.56	0.094	mg/kg	
87-86-5	Pentachlorophenol	ND	0.56	0.095	mg/kg	
108-95-2	Phenol	ND	0.11	0.058	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.28	0.057	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.28	0.064	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.28	0.052	mg/kg	
83-32-9	Acenaphthene	ND	0.056	0.016	mg/kg	
208-96-8	Acenaphthylene	ND	0.056	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.28	0.0098	mg/kg	
120-12-7	Anthracene	ND	0.056	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.056	0.018	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.056	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.056	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.056	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.020	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.032	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.11	0.0064	mg/kg	
100-52-7	Benzaldehyde	ND	0.28	0.013	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.017	mg/kg	
106-47-8	4-Chloroaniline	ND	0.28	0.018	mg/kg	
86-74-8	Carbazole	ND	0.11	0.026	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:	332-PE-58		
Lab Sample ID:	JB68458-5	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	51.7
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	0.11	0.018	mg/kg	
218-01-9	Chrysene	ND	0.056	0.019	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.022	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.11	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.11	0.017	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.11	0.017	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.056	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.056	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.11	0.014	mg/kg	
123-91-1	1,4-Dioxane	ND	0.056	0.036	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.056	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.11	0.012	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.11	0.027	mg/kg	
84-66-2	Diethyl phthalate	ND	0.11	0.019	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.11	0.020	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.11	0.049	mg/kg	
206-44-0	Fluoranthene	ND	0.056	0.025	mg/kg	
86-73-7	Fluorene	ND	0.056	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.11	0.018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.056	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.56	0.057	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.056	0.019	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	0.031	mg/kg	
88-74-4	2-Nitroaniline	ND	0.28	0.024	mg/kg	
99-09-2	3-Nitroaniline	ND	0.28	0.022	mg/kg	
100-01-6	4-Nitroaniline	ND	0.28	0.022	mg/kg	
91-20-3	Naphthalene	ND	0.056	0.015	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.11	0.014	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	0.033	mg/kg	
85-01-8	Phenanthrene	ND	0.056	0.025	mg/kg	
129-00-0	Pyrene	ND	0.056	0.021	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.28	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		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:	332-PE-58		
Lab Sample ID:	JB68458-5	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	51.7
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	83%		15-110%
118-79-6	2,4,6-Tribromophenol	81%		20-123%
4165-60-0	Nitrobenzene-d5	77%		10-110%
321-60-8	2-Fluorobiphenyl	74%		17-110%
1718-51-0	Terphenyl-d14	82%		30-124%

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

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

Report of Analysis

Client Sample ID: 332-PE-58
Lab Sample ID: JB68458-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/04/14
Date Received: 06/04/14
Percent Solids: 51.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	17600	52	1.4	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.39 B	2.1	0.28	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	10.3	2.1	0.30	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	35.9	21	0.084	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.99	0.21	0.021	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.17 B	0.52	0.052	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2150	520	3.2	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	31.9	1.0	0.073	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	11.2	5.2	0.063	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	12.1	2.6	0.16	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	31400	52	1.0	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	14.8	2.1	0.22	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	7360	520	3.5	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Manganese	372	1.6	0.063	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.025 B	0.059	0.013	mg/kg	1	06/17/14	06/17/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	28.4	4.2	0.10	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	3910	1000	4.2	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.75 B	2.1	0.35	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.15 U	0.52	0.15	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Sodium	2440	1000	2.0	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.43 U	1.0	0.43	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Vanadium	39.5	5.2	0.094	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	76.4	2.1	0.40	mg/kg	1	06/09/14	06/10/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34228
(3) Instrument QC Batch: MA34255
(4) Prep QC Batch: MP79946
(5) Prep QC Batch: MP80104

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:	333-PE-57		
Lab Sample ID:	JB68458-6	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	48.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11461.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0278	0.023	0.011	mg/kg	
71-43-2	Benzene	ND	0.0023	0.00029	mg/kg	
74-97-5	Bromochloromethane	ND	0.012	0.0012	mg/kg	
75-27-4	Bromodichloromethane	ND	0.012	0.00066	mg/kg	
75-25-2	Bromoform	ND	0.012	0.00061	mg/kg	
74-83-9	Bromomethane	ND	0.012	0.0011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.023	0.010	mg/kg	
75-15-0	Carbon disulfide	0.0126	0.012	0.00033	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.012	0.00059	mg/kg	
108-90-7	Chlorobenzene	ND	0.012	0.00046	mg/kg	
75-00-3	Chloroethane	ND	0.012	0.0023	mg/kg	
67-66-3	Chloroform	ND	0.012	0.00059	mg/kg	
74-87-3	Chloromethane	ND	0.012	0.00080	mg/kg	
110-82-7	Cyclohexane	ND	0.012	0.00060	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.023	0.0031	mg/kg	
124-48-1	Dibromochloromethane	ND	0.012	0.00056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	0.0013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.012	0.00079	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.012	0.00051	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.012	0.00059	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.012	0.00082	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.012	0.00073	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	0.00075	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.012	0.00067	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.012	0.00048	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.012	0.00099	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.012	0.0010	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.012	0.00053	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.012	0.00063	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00041	mg/kg	
76-13-1	Freon 113	ND	0.012	0.0010	mg/kg	
591-78-6	2-Hexanone	ND	0.012	0.0042	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:	333-PE-57		
Lab Sample ID:	JB68458-6	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8260C	**Percent Solids:**	48.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.012	0.00034	mg/kg	
79-20-9	Methyl Acetate	ND	0.012	0.0039	mg/kg	
108-87-2	Methylcyclohexane	ND	0.012	0.00038	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	0.00080	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.012	0.0031	mg/kg	
75-09-2	Methylene chloride	ND	0.012	0.0040	mg/kg	
100-42-5	Styrene	ND	0.012	0.00054	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.012	0.00080	mg/kg	
127-18-4	Tetrachloroethene	ND	0.012	0.00096	mg/kg	
108-88-3	Toluene	ND	0.0023	0.00033	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.012	0.00048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.012	0.00042	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.012	0.00067	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.012	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.012	0.00082	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.012	0.00053	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	0.00080	mg/kg	
	m,p-Xylene	ND	0.0023	0.0011	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00042	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.00042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		59-130%
17060-07-0	1,2-Dichloroethane-D4	98%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	105%		71-132%

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

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Report of Analysis

Client Sample ID:	333-PE-57		
Lab Sample ID:	JB68458-6	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	48.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P32776.D	1	06/16/14	SP	06/09/14	OP75383	E3P1403
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	0.13	0.063	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.32	0.063	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.32	0.10	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.32	0.11	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.3	0.077	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.3	0.077	mg/kg	
95-48-7	2-Methylphenol	ND	0.13	0.072	mg/kg	
	3&4-Methylphenol	ND	0.13	0.080	mg/kg	
88-75-5	2-Nitrophenol	ND	0.32	0.067	mg/kg	
100-02-7	4-Nitrophenol	ND	0.63	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.63	0.11	mg/kg	
108-95-2	Phenol	ND	0.13	0.066	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.32	0.065	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.32	0.073	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.32	0.059	mg/kg	
83-32-9	Acenaphthene	ND	0.063	0.018	mg/kg	
208-96-8	Acenaphthylene	ND	0.063	0.020	mg/kg	
98-86-2	Acetophenone	ND	0.32	0.011	mg/kg	
120-12-7	Anthracene	ND	0.063	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.13	0.012	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.063	0.021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.063	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.063	0.021	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.063	0.024	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.063	0.024	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.13	0.023	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.13	0.037	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.13	0.0073	mg/kg	
100-52-7	Benzaldehyde	ND	0.32	0.015	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.13	0.020	mg/kg	
106-47-8	4-Chloroaniline	ND	0.32	0.020	mg/kg	
86-74-8	Carbazole	ND	0.13	0.029	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:	333-PE-57		
Lab Sample ID:	JB68458-6	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	48.7
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	0.13	0.020	mg/kg	
218-01-9	Chrysene	ND	0.063	0.021	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.13	0.026	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.13	0.019	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.13	0.019	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.13	0.019	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.063	0.028	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.063	0.024	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.13	0.016	mg/kg	
123-91-1	1,4-Dioxane	ND	0.063	0.041	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.063	0.022	mg/kg	
132-64-9	Dibenzofuran	ND	0.13	0.019	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.13	0.014	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.13	0.031	mg/kg	
84-66-2	Diethyl phthalate	ND	0.13	0.022	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.13	0.022	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.13	0.056	mg/kg	
206-44-0	Fluoranthene	ND	0.063	0.028	mg/kg	
86-73-7	Fluorene	ND	0.063	0.021	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.13	0.021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.063	0.018	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.63	0.064	mg/kg	
67-72-1	Hexachloroethane	ND	0.32	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.063	0.022	mg/kg	
78-59-1	Isophorone	ND	0.13	0.017	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.13	0.035	mg/kg	
88-74-4	2-Nitroaniline	ND	0.32	0.028	mg/kg	
99-09-2	3-Nitroaniline	ND	0.32	0.025	mg/kg	
100-01-6	4-Nitroaniline	ND	0.32	0.025	mg/kg	
91-20-3	Naphthalene	ND	0.063	0.017	mg/kg	
98-95-3	Nitrobenzene	ND	0.13	0.018	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.13	0.015	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.32	0.038	mg/kg	
85-01-8	Phenanthrene	ND	0.063	0.029	mg/kg	
129-00-0	Pyrene	0.0276	0.063	0.024	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.32	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		13-110%

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

Report of Analysis

Client Sample ID:	333-PE-57		
Lab Sample ID:	JB68458-6	**Date Sampled:**	06/04/14
Matrix:	SO - Soil	**Date Received:**	06/04/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	48.7
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	65%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		20-123%
4165-60-0	Nitrobenzene-d5	70%		10-110%
321-60-8	2-Fluorobiphenyl	73%		17-110%
1718-51-0	Terphenyl-d14	88%		30-124%

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

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

Report of Analysis

Client Sample ID: 333-PE-57
Lab Sample ID: JB68458-6
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/04/14
Date Received: 06/04/14
Percent Solids: 48.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	17500	50	1.3	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.48 B	2.0	0.27	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	11.1	2.0	0.29	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	35.9	20	0.081	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	1.0	0.20	0.020	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.19 B	0.50	0.050	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2190	500	3.0	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	32.3	1.0	0.070	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	11.0	5.0	0.060	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	12.0	2.5	0.15	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	33500	50	0.97	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	15.1	2.0	0.21	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	7340	500	3.4	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Manganese	357	1.5	0.060	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.030 B	0.065	0.015	mg/kg	1	06/17/14	06/17/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	27.8	4.0	0.10	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	3890	1000	4.0	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.45 B	2.0	0.33	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.14 U	0.50	0.14	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Sodium	2480	1000	1.9	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.41 U	1.0	0.41	mg/kg	1	06/09/14	06/12/14	RR	SW846 6010C [2]	SW846 3050B [4]
Vanadium	40.7	5.0	0.091	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	83.7	2.0	0.38	mg/kg	1	06/09/14	06/11/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34208
(2) Instrument QC Batch: MA34228
(3) Instrument QC Batch: MA34255
(4) Prep QC Batch: MP79946
(5) Prep QC Batch: MP80104

RL = Reporting Limit
MDL = Method Detection Limit

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

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

SO SLL

WTB WFB

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF ___

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 # JB68458

Client / Reporting Information

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

Project Information

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

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

VOCs SVOCs TAL Metals

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
-1	329-PE-42	—	6/3/14	1435	CBM	S	5					2	2	1		E49
-2	269-PE-52	—	6/4/14	0720	CBM	S	5					2	2	1		A2
-3	330-TB-9	—	6/4/14	—	CBM	TB	2									P26
-4	331-FB-10	—	6/4/14	0905	CBM	FB	5	2		1		2				14M4
-5	332-PE-58	—	6/4/14	0915	CBM	S	5					2	2	1		4910
-6	333-PE-57	—	6/4/14	0920	CBM	S	5					2	2	1		B3
																V572

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

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

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

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

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		6/4/14 0930	Chris Lau	Chris Lau	6/4/14 1645	George D. Brooks
2						
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice: X Cooler Temp. 5.0°C
				[ ] Intact [ ] Not intact	[ ]	

3A RT

4A R IG

5.1 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB68458 **Client:** LANGAN **Project:** BOND ST REDEVELOPMENT,365 BOND ST,BKLYN,

Date / Time Received: 6/4/2014 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (5/4.7); 0

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

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

Quality Control _Preservation	Y	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	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 -4: The field blank VOA vials do not have sample labels on them. They were set up as part of sample -4 through process of elimination.

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB68458: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB68458 **Initiator:** TERRYB

CSR: Tammy McCloskey **Response Date:** 6/6/2014

Response: -4 this is correct (ran out of labels), please proceed as noted per Christine Madsen

JB68458: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68458

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68458-1	Collected: 03-JUN-14 14:35 By: CBM		Received: 04-JUN-14 By: TB			
329-PE-42						
JB68458-1	SW846 8260C	06-JUN-14 16:38	TDN			VC8260TCL20
JB68458-1	SM2540 G-97	07-JUN-14 12:00	AA			%SOL
JB68458-1	SW846 6010C	10-JUN-14 23:42	RR	09-JUN-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JB68458-1	SW846 6010C	12-JUN-14 22:03	RR	09-JUN-14	WWZ	TL
JB68458-1	SW846 8270D	16-JUN-14 19:48	SP	09-JUN-14	AD	AB8270TCL20
JB68458-1	SW846 7471B	18-JUN-14 12:15	DP	18-JUN-14	DP	HG
JB68458-2	Collected: 04-JUN-14 07:20 By: CBM		Received: 04-JUN-14 By: TB			
269-PE-52						
JB68458-2	SW846 8260C	05-JUN-14 18:19	TDN			VC8260TCL20
JB68458-2	SM2540 G-97	07-JUN-14 12:00	AA			%SOL
JB68458-2	SW846 6010C	10-JUN-14 23:48	RR	09-JUN-14	WWZ	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MG,MN,NA,NI,PB,SB,SE, V,ZN
JB68458-2	SW846 6010C	12-JUN-14 22:09	RR	09-JUN-14	WWZ	AG,TL
JB68458-2	SW846 8270D	15-JUN-14 15:26	EA	09-JUN-14	AD	AB8270TCL20
JB68458-2	SW846 7471B	17-JUN-14 17:01	DP	17-JUN-14	DP	HG
JB68458-3	Collected: 04-JUN-14 09:20 By: CBM		Received: 04-JUN-14 By: TB			
330-TB-9						
JB68458-3	SW846 8260C	09-JUN-14 19:21	TP			VC8260TCL20
JB68458-4	Collected: 04-JUN-14 09:05 By: CBM		Received: 04-JUN-14 By: TB			
331-FB-10						
JB68458-4	SW846 8260C	09-JUN-14 19:50	TP			VC8260TCL20
JB68458-4	SW846 8270D	10-JUN-14 06:22	AD	09-JUN-14	RM	AB8270TCL20
JB68458-4	SW846 6010C	11-JUN-14 01:34	RR	09-JUN-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB68458-4	SW846 7470A	17-JUN-14 14:32	JW	17-JUN-14	JW	HG

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68458

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68458-5	Collected: 04-JUN-14 09:15 By: CBM		Received: 04-JUN-14 By: TB			
332-PE-58						
JB68458-5	SW846 8260C	05-JUN-14 18:46	TDN			VC8260TCL20
JB68458-5	SM2540 G-97	07-JUN-14 12:00	AA			%SOL
JB68458-5	SW846 6010C	10-JUN-14 23:54	RR	09-JUN-14	WWZ	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MG,MN,NA,NI,PB,SB,SE, V,ZN
JB68458-5	SW846 6010C	12-JUN-14 22:22	RR	09-JUN-14	WWZ	AG,TL
JB68458-5	SW846 8270D	15-JUN-14 15:54	EA	09-JUN-14	AD	AB8270TCL20
JB68458-5	SW846 7471B	17-JUN-14 17:02	DP	17-JUN-14	DP	HG
JB68458-6	Collected: 04-JUN-14 09:20 By: CBM		Received: 04-JUN-14 By: TB			
333-PE-57						
JB68458-6	SW846 8260C	05-JUN-14 19:13	TDN			VC8260TCL20
JB68458-6	SM2540 G-97	07-JUN-14 12:00	AA			%SOL
JB68458-6	SW846 6010C	11-JUN-14	RR	09-JUN-14	WWZ	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MG,MN,NA,NI,PB,SB,SE, V,ZN
JB68458-6	SW846 6010C	12-JUN-14 22:34	RR	09-JUN-14	WWZ	AG,TL
JB68458-6	SW846 8270D	16-JUN-14 20:14	SP	09-JUN-14	AD	AB8270TCL20
JB68458-6	SW846 7471B	17-JUN-14 17:03	DP	17-JUN-14	DP	HG

Accutest Internal Chain of Custody

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/04/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68458-1.1	Secured Storage	Mike Sikorsky	06/06/14 06:15	Retrieve from Storage
JB68458-1.1	Mike Sikorsky	Secured Storage	06/06/14 14:54	Return to Storage
JB68458-1.1	Secured Storage	Ana Maria Moreta	06/07/14 06:46	Retrieve from Storage
JB68458-1.1	Ana Maria Moreta	Secured Staging Area	06/07/14 06:46	Return to Storage
JB68458-1.1	Secured Staging Area	Aly Abdelgawad	06/07/14 10:10	Retrieve from Storage
JB68458-1.1	Aly Abdelgawad	Secured Storage	06/07/14 11:51	Return to Storage
JB68458-1.1	Secured Storage	Mike Sikorsky	06/09/14 08:43	Retrieve from Storage
JB68458-1.1	Mike Sikorsky	Secured Storage	06/09/14 15:06	Return to Storage
JB68458-1.1	Secured Storage	Gage Donahue	06/17/14 10:10	Retrieve from Storage
JB68458-1.1	Gage Donahue	Secured Staging Area	06/17/14 10:10	Return to Storage
JB68458-1.1	Secured Staging Area	Masooda Sultani	06/17/14 10:47	Retrieve from Storage
JB68458-1.1	Masooda Sultani	Secured Storage	06/17/14 13:49	Return to Storage
JB68458-1.1	Secured Storage	Alfredo Crespo	06/18/14 07:32	Retrieve from Storage
JB68458-1.1	Alfredo Crespo	Secured Staging Area	06/18/14 07:32	Return to Storage
JB68458-1.1	Secured Staging Area	Darshananben Patel	06/18/14 09:01	Retrieve from Storage
JB68458-1.1	Darshananben Patel	Secured Storage	06/18/14 11:42	Return to Storage
JB68458-1.1	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-1.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:55	Extract from JB68458-1.1
JB68458-1.1.2	Mike Sikorsky	Organics Prep	06/09/14 08:43	Extract from JB68458-1.1
JB68458-1.1.2	Organics Prep	Mike Sikorsky	06/09/14 17:28	Extract from JB68458-1.1
JB68458-1.1.2	Mike Sikorsky		06/09/14 17:28	Depleted
JB68458-1.2	Secured Storage	Gage Donahue	06/09/14 14:13	Retrieve from Storage
JB68458-1.2	Gage Donahue	Secured Staging Area	06/09/14 14:13	Return to Storage
JB68458-1.2	Secured Staging Area	Juliana Franchetti	06/09/14 14:58	Retrieve from Storage
JB68458-1.2	Juliana Franchetti	Secured Storage	06/09/14 19:58	Return to Storage
JB68458-1.2	Secured Storage	Edwin Gonzalez	06/17/14 07:37	Retrieve from Storage
JB68458-1.2	Edwin Gonzalez	Secured Staging Area	06/17/14 07:38	Return to Storage
JB68458-1.2	Secured Staging Area	Darshananben Patel	06/17/14 08:29	Retrieve from Storage
JB68458-1.2	Gage Donahue	Secured Storage	06/17/14 10:13	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB68458-1.2	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-1.4	Secured Storage	Thien Nguyen	06/05/14 13:38	Retrieve from Storage
JB68458-1.4	Thien Nguyen	GCMS3V	06/05/14 13:39	Load on Instrument
JB68458-1.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68458-1.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68458-1.4	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-1.5	Secured Storage	Thien Nguyen	06/06/14 10:29	Retrieve from Storage
JB68458-1.5	Thien Nguyen	GCMS3V	06/06/14 10:29	Load on Instrument
JB68458-1.5	GCMS3V	Thien Nguyen	06/09/14 10:38	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/04/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68458-1.5	Thien Nguyen	Secured Storage	06/09/14 10:38	Return to Storage
JB68458-1.5	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-2.1	Secured Storage	Mike Sikorsky	06/06/14 06:15	Retrieve from Storage
JB68458-2.1	Mike Sikorsky	Secured Storage	06/06/14 14:54	Return to Storage
JB68458-2.1	Secured Storage	Ana Maria Moreta	06/07/14 06:46	Retrieve from Storage
JB68458-2.1	Ana Maria Moreta	Secured Staging Area	06/07/14 06:46	Return to Storage
JB68458-2.1	Secured Staging Area	Aly Abdelgawad	06/07/14 10:10	Retrieve from Storage
JB68458-2.1	Aly Abdelgawad	Secured Storage	06/07/14 11:51	Return to Storage
JB68458-2.1	Secured Storage	Mike Sikorsky	06/09/14 06:33	Retrieve from Storage
JB68458-2.1	Mike Sikorsky	Secured Storage	06/09/14 15:06	Return to Storage
JB68458-2.1	Secured Storage	Gage Donahue	06/17/14 10:10	Retrieve from Storage
JB68458-2.1	Gage Donahue	Secured Staging Area	06/17/14 10:10	Return to Storage
JB68458-2.1	Secured Staging Area	Masooda Sultani	06/17/14 10:47	Retrieve from Storage
JB68458-2.1	Masooda Sultani	Secured Storage	06/17/14 13:49	Return to Storage
JB68458-2.1	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-2.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:55	Extract from JB68458-2.1
JB68458-2.1.2	Mike Sikorsky	Organics Prep	06/09/14 06:38	Extract from JB68458-2.1
JB68458-2.1.2	Organics Prep	Mike Sikorsky	06/09/14 17:28	Extract from JB68458-2.1
JB68458-2.1.2	Mike Sikorsky		06/09/14 17:28	Depleted
JB68458-2.2	Secured Storage	Gage Donahue	06/09/14 14:13	Retrieve from Storage
JB68458-2.2	Gage Donahue	Secured Staging Area	06/09/14 14:13	Return to Storage
JB68458-2.2	Secured Staging Area	Juliana Franchetti	06/09/14 14:58	Retrieve from Storage
JB68458-2.2	Juliana Franchetti	Secured Storage	06/09/14 19:58	Return to Storage
JB68458-2.2	Secured Storage	Edwin Gonzalez	06/17/14 07:37	Retrieve from Storage
JB68458-2.2	Edwin Gonzalez	Secured Staging Area	06/17/14 07:38	Return to Storage
JB68458-2.2	Secured Staging Area	Darshananben Patel	06/17/14 08:29	Retrieve from Storage
JB68458-2.2	Gage Donahue	Secured Storage	06/17/14 10:13	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB68458-2.2	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-2.4	Secured Storage	Thien Nguyen	06/05/14 13:38	Retrieve from Storage
JB68458-2.4	Thien Nguyen	GCMS3V	06/05/14 13:39	Load on Instrument
JB68458-2.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68458-2.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68458-2.4	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-3.2	Secured Storage	Toan Pham	06/09/14 12:47	Retrieve from Storage
JB68458-3.2	Toan Pham	GCMS2C	06/09/14 12:47	Load on Instrument
JB68458-3.2	GCMS2C	Toan Pham	06/10/14 13:37	Unload from Instrument
JB68458-3.2	Toan Pham	Secured Storage	06/10/14 13:37	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/04/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68458-3.2	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-4.2	Secured Storage	Raghava Marthi	06/09/14 08:10	Retrieve from Storage
JB68458-4.2	Raghava Marthi		06/09/14 16:59	Depleted
JB68458-4.2.1	Raghava Marthi	Organics Prep	06/09/14 08:11	Extract from JB68458-4.2
JB68458-4.2.1	Organics Prep	Raghava Marthi	06/09/14 17:39	Extract from JB68458-4.2
JB68458-4.2.1	Raghava Marthi	Extract Storage	06/09/14 17:39	Return to Storage
JB68458-4.2.1	Extract Storage	Andrew Lee Smith	06/12/14 23:59	Retrieve from Storage
JB68458-4.2.1	Andrew Lee Smith	GCMSZ	06/12/14 23:59	Load on Instrument
JB68458-4.2.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68458-4.2.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68458-4.2.1	Extract Freezer		07/21/14 09:00	Disposed
JB68458-4.3	Secured Storage	Ana Maria Moreta	06/07/14 07:19	Retrieve from Storage
JB68458-4.3	Ana Maria Moreta	Secured Staging Area	06/07/14 07:19	Return to Storage
JB68458-4.3	Secured Staging Area	Masooda Sultani	06/07/14 09:56	Retrieve from Storage
JB68458-4.3	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB68458-4.3	Secured Storage	Gage Donahue	06/09/14 09:18	Retrieve from Storage
JB68458-4.3	Gage Donahue	Secured Storage	06/09/14 09:18	Return to Storage
JB68458-4.3	Secured Storage	Gage Donahue	06/09/14 09:44	Retrieve from Storage
JB68458-4.3	Gage Donahue	Secured Staging Area	06/09/14 09:44	Return to Storage
JB68458-4.3	Secured Staging Area	Amirah Hillman	06/09/14 09:45	Retrieve from Storage
JB68458-4.3	Amirah Hillman	Secured Storage	06/09/14 11:56	Return to Storage
JB68458-4.3	Secured Storage	Gage Donahue	06/17/14 08:32	Retrieve from Storage
JB68458-4.3	Gage Donahue	Secured Staging Area	06/17/14 08:32	Return to Storage
JB68458-4.3	Secured Staging Area	Jieyu Wang	06/17/14 10:13	Retrieve from Storage
JB68458-4.3	Jieyu Wang	Secured Storage	06/17/14 11:59	Return to Storage
JB68458-4.3	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-4.3.1	Amirah Hillman	Metals Digestion	06/09/14 11:49	Digestate from JB68458-4.3
JB68458-4.3.1	Metals Digestion	Amirah Hillman	06/09/14 11:54	Digestate from JB68458-4.3
JB68458-4.3.1	Amirah Hillman	Metals Digestate Storage	06/09/14 11:55	Return to Storage
JB68458-4.3.1	Metals Digestate Storage	Ryan Rebo	06/10/14 15:10	Retrieve from Storage
JB68458-4.3.1	Ryan Rebo	Metals Digestate Storage	06/10/14 15:12	Return to Storage
JB68458-4.3.1	Metals Digestate Storage	Samreen Bano	06/11/14 10:48	Retrieve from Storage
JB68458-4.3.1	Samreen Bano	Metals Digestate Storage	06/11/14 10:54	Return to Storage
JB68458-4.3.1	Metals Digestate Storage		08/18/14 09:00	Disposed
JB68458-4.5	Secured Storage	Toan Pham	06/09/14 12:47	Retrieve from Storage
JB68458-4.5	Toan Pham	GCMS2C	06/09/14 12:47	Load on Instrument
JB68458-4.5	GCMS2C	Toan Pham	06/10/14 13:37	Unload from Instrument
JB68458-4.5	Toan Pham	Secured Storage	06/10/14 13:37	Return to Storage
JB68458-4.5	Shirley Grzybowski		07/10/14 10:21	Disposed

Accutest Internal Chain of Custody

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/04/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68458-5.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68458-5.1	Mike Sikorsky	Secured Storage	06/06/14 14:54	Return to Storage
JB68458-5.1	Secured Storage	Ana Maria Moreta	06/07/14 06:46	Retrieve from Storage
JB68458-5.1	Ana Maria Moreta	Secured Staging Area	06/07/14 06:46	Return to Storage
JB68458-5.1	Secured Staging Area	Aly Abdelgawad	06/07/14 10:10	Retrieve from Storage
JB68458-5.1	Aly Abdelgawad	Secured Storage	06/07/14 11:51	Return to Storage
JB68458-5.1	Secured Storage	Mike Sikorsky	06/09/14 06:33	Retrieve from Storage
JB68458-5.1	Mike Sikorsky	Secured Storage	06/09/14 15:06	Return to Storage
JB68458-5.1	Secured Storage	Gage Donahue	06/17/14 10:10	Retrieve from Storage
JB68458-5.1	Gage Donahue	Secured Staging Area	06/17/14 10:10	Return to Storage
JB68458-5.1	Secured Staging Area	Masooda Sultani	06/17/14 10:47	Retrieve from Storage
JB68458-5.1	Masooda Sultani	Secured Storage	06/17/14 13:49	Return to Storage
JB68458-5.1	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-5.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:55	Extract from JB68458-5.1
JB68458-5.1.2	Mike Sikorsky	Organics Prep	06/09/14 06:38	Extract from JB68458-5.1
JB68458-5.1.2	Organics Prep	Mike Sikorsky	06/09/14 17:28	Extract from JB68458-5.1
JB68458-5.1.2	Mike Sikorsky		06/09/14 17:28	Depleted
JB68458-5.2	Secured Storage	Gage Donahue	06/09/14 14:13	Retrieve from Storage
JB68458-5.2	Gage Donahue	Secured Staging Area	06/09/14 14:13	Return to Storage
JB68458-5.2	Secured Staging Area	Juliana Franchetti	06/09/14 14:58	Retrieve from Storage
JB68458-5.2	Juliana Franchetti	Secured Storage	06/09/14 19:58	Return to Storage
JB68458-5.2	Secured Storage	Edwin Gonzalez	06/17/14 07:37	Retrieve from Storage
JB68458-5.2	Edwin Gonzalez	Secured Staging Area	06/17/14 07:38	Return to Storage
JB68458-5.2	Secured Staging Area	Darshananben Patel	06/17/14 08:29	Retrieve from Storage
JB68458-5.2	Gage Donahue	Secured Storage	06/17/14 10:13	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB68458-5.2	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-5.4	Secured Storage	Thien Nguyen	06/05/14 13:38	Retrieve from Storage
JB68458-5.4	Thien Nguyen	GCMS3V	06/05/14 13:39	Load on Instrument
JB68458-5.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68458-5.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68458-5.4	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-6.1	Secured Storage	Mike Sikorsky	06/06/14 06:22	Retrieve from Storage
JB68458-6.1	Mike Sikorsky	Secured Storage	06/06/14 14:54	Return to Storage
JB68458-6.1	Secured Storage	Ana Maria Moreta	06/07/14 06:46	Retrieve from Storage
JB68458-6.1	Ana Maria Moreta	Secured Staging Area	06/07/14 06:46	Return to Storage
JB68458-6.1	Secured Staging Area	Aly Abdelgawad	06/07/14 10:10	Retrieve from Storage
JB68458-6.1	Aly Abdelgawad	Secured Storage	06/07/14 11:51	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/04/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68458-6.1	Secured Storage	Mike Sikorsky	06/09/14 06:33	Retrieve from Storage
JB68458-6.1	Mike Sikorsky	Secured Storage	06/09/14 15:06	Return to Storage
JB68458-6.1	Secured Storage	Gage Donahue	06/17/14 10:10	Retrieve from Storage
JB68458-6.1	Gage Donahue	Secured Staging Area	06/17/14 10:10	Return to Storage
JB68458-6.1	Secured Staging Area	Masooda Sultani	06/17/14 10:47	Retrieve from Storage
JB68458-6.1	Masooda Sultani	Secured Storage	06/17/14 13:49	Return to Storage
JB68458-6.1	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-6.1.1	Mike Sikorsky	Organics Prep	06/06/14 06:55	Extract from JB68458-6.1
JB68458-6.1.2	Mike Sikorsky	Organics Prep	06/09/14 06:38	Extract from JB68458-6.1
JB68458-6.1.2	Organics Prep	Mike Sikorsky	06/09/14 17:28	Extract from JB68458-6.1
JB68458-6.1.2	Mike Sikorsky		06/09/14 17:28	Depleted
JB68458-6.2	Secured Storage	Gage Donahue	06/09/14 14:13	Retrieve from Storage
JB68458-6.2	Gage Donahue	Secured Staging Area	06/09/14 14:13	Return to Storage
JB68458-6.2	Secured Staging Area	Juliana Franchetti	06/09/14 14:58	Retrieve from Storage
JB68458-6.2	Juliana Franchetti	Secured Storage	06/09/14 19:58	Return to Storage
JB68458-6.2	Secured Storage	Edwin Gonzalez	06/17/14 07:37	Retrieve from Storage
JB68458-6.2	Edwin Gonzalez	Secured Staging Area	06/17/14 07:38	Return to Storage
JB68458-6.2	Secured Staging Area	Darshananben Patel	06/17/14 08:29	Retrieve from Storage
JB68458-6.2	Gage Donahue	Secured Storage	06/17/14 10:13	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB68458-6.2	Shirley Grzybowski		07/10/14 10:21	Disposed
JB68458-6.4	Secured Storage	Thien Nguyen	06/05/14 13:38	Retrieve from Storage
JB68458-6.4	Thien Nguyen	GCMS3V	06/05/14 13:39	Load on Instrument
JB68458-6.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68458-6.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68458-6.4	Shirley Grzybowski		07/10/14 10:21	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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V487-MB1	3V11444.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V487-MB1	3V11444.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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

Method Blank Summary

Job Number: JB68458
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
V3V489-MB1	3V11478.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

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: JB68458
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
V3V489-MB1	3V11478.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	59-130%
17060-07-0	1,2-Dichloroethane-D4	85%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	108%	71-132%

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

Method Blank Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C5484-MB	2C119274.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C5484-MB	2C119274.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-120%
17060-07-0	1,2-Dichloroethane-D4	97%	72-123%
2037-26-5	Toluene-D8	110%	78-119%
460-00-4	4-Bromofluorobenzene	106%	74-119%

Blank Spike Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V487-BS	3V11445.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V487-BS	3V11445.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
V3V489-BS	3V11479.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	40.3	81	50-147
71-43-2	Benzene	50	52.3	105	75-122
74-97-5	Bromochloromethane	50	47.6	95	77-127
75-27-4	Bromodichloromethane	50	53.4	107	79-132
75-25-2	Bromoform	50	52.9	106	76-134
74-83-9	Bromomethane	50	48.8	98	56-151
78-93-3	2-Butanone (MEK)	50	46.8	94	68-137
75-15-0	Carbon disulfide	50	51.9	104	70-129
56-23-5	Carbon tetrachloride	50	55.2	110	71-148
108-90-7	Chlorobenzene	50	54.2	108	78-120
75-00-3	Chloroethane	50	52.5	105	64-145
67-66-3	Chloroform	50	47.9	96	75-124
74-87-3	Chloromethane	50	50.1	100	51-139
110-82-7	Cyclohexane	50	54.8	110	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.5	101	69-134
124-48-1	Dibromochloromethane	50	52.2	104	79-130
106-93-4	1,2-Dibromoethane	50	54.1	108	80-122
95-50-1	1,2-Dichlorobenzene	50	53.0	106	76-118
541-73-1	1,3-Dichlorobenzene	50	52.7	105	75-120
106-46-7	1,4-Dichlorobenzene	50	52.3	105	73-116
75-71-8	Dichlorodifluoromethane	50	47.6	95	34-161
75-34-3	1,1-Dichloroethane	50	52.5	105	78-128
107-06-2	1,2-Dichloroethane	50	52.8	106	75-139
75-35-4	1,1-Dichloroethene	50	47.2	94	73-128
156-59-2	cis-1,2-Dichloroethene	50	41.7	83	76-123
156-60-5	trans-1,2-Dichloroethene	50	44.4	89	74-123
78-87-5	1,2-Dichloropropane	50	54.3	109	78-125
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	75-115
10061-02-6	trans-1,3-Dichloropropene	50	51.3	103	80-125
100-41-4	Ethylbenzene	50	53.8	108	75-122
76-13-1	Freon 113	50	47.2	94	60-155
591-78-6	2-Hexanone	50	49.8	100	69-134
98-82-8	Isopropylbenzene	50	58.1	116	73-123
79-20-9	Methyl Acetate	50	42.3	85	59-133
108-87-2	Methylcyclohexane	50	49.1	98	63-142
1634-04-4	Methyl Tert Butyl Ether	100	96.1	96	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
V3V489-BS	3V11479.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	52.3	105	72-130
75-09-2	Methylene chloride	50	44.0	88	72-122
100-42-5	Styrene	50	57.5	115	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	53.7	107	70-117
127-18-4	Tetrachloroethene	50	53.4	107	70-136
108-88-3	Toluene	50	48.8	98	75-122
87-61-6	1,2,3-Trichlorobenzene	50	52.7	105	67-135
120-82-1	1,2,4-Trichlorobenzene	50	52.5	105	64-137
71-55-6	1,1,1-Trichloroethane	50	51.4	103	78-136
79-00-5	1,1,2-Trichloroethane	50	50.9	102	75-123
79-01-6	Trichloroethene	50	52.7	105	81-130
75-69-4	Trichlorofluoromethane	50	51.1	102	57-146
75-01-4	Vinyl chloride	50	50.9	102	55-133
	m,p-Xylene	100	105	105	75-122
95-47-6	o-Xylene	50	55.1	110	75-121
1330-20-7	Xylene (total)	150	161	107	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	59-130%
17060-07-0	1,2-Dichloroethane-D4	86%	65-123%
2037-26-5	Toluene-D8	101%	77-125%
460-00-4	4-Bromofluorobenzene	104%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C5484-BS	2C119275.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C5484-BS	2C119275.D	1	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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

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

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68458
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
JB68403-5MS	3V11490.D	1	06/06/14	TDN	n/a	n/a	V3V489
JB68403-5	3V11483.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	JB68403-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		43.1	30.2	70	10-181
71-43-2	Benzene	ND		43.1	43.6	101	45-131
74-97-5	Bromochloromethane	ND		43.1	39.6	92	50-131
75-27-4	Bromodichloromethane	ND		43.1	44.8	104	44-138
75-25-2	Bromoform	ND		43.1	40.4	94	34-140
74-83-9	Bromomethane	ND		43.1	37.6	87	18-152
78-93-3	2-Butanone (MEK)	ND		43.1	34.3	80	25-156
75-15-0	Carbon disulfide	ND		43.1	40.2	93	28-139
56-23-5	Carbon tetrachloride	ND		43.1	41.7	97	33-153
108-90-7	Chlorobenzene	ND		43.1	43.7	101	34-138
75-00-3	Chloroethane	ND		43.1	38.2	89	26-142
67-66-3	Chloroform	ND		43.1	40.7	94	51-129
74-87-3	Chloromethane	ND		43.1	42.9	99	34-134
110-82-7	Cyclohexane	ND		43.1	37.8	88	13-150
96-12-8	1,2-Dibromo-3-chloropropane	ND		43.1	38.0	88	22-145
124-48-1	Dibromochloromethane	ND		43.1	42.8	99	41-137
106-93-4	1,2-Dibromoethane	ND		43.1	41.5	96	41-133
95-50-1	1,2-Dichlorobenzene	ND		43.1	43.0	100	22-140
541-73-1	1,3-Dichlorobenzene	ND		43.1	43.0	100	21-141
106-46-7	1,4-Dichlorobenzene	ND		43.1	42.5	99	20-140
75-71-8	Dichlorodifluoromethane	ND		43.1	32.4	75	10-156
75-34-3	1,1-Dichloroethane	ND		43.1	45.4	105	50-130
107-06-2	1,2-Dichloroethane	ND		43.1	44.3	103	49-136
75-35-4	1,1-Dichloroethene	ND		43.1	36.3	84	32-143
156-59-2	cis-1,2-Dichloroethene	ND		43.1	36.0	83	46-129
156-60-5	trans-1,2-Dichloroethene	ND		43.1	37.8	88	41-131
78-87-5	1,2-Dichloropropane	ND		43.1	45.7	106	46-131
10061-01-5	cis-1,3-Dichloropropene	ND		43.1	43.5	101	40-134
10061-02-6	trans-1,3-Dichloropropene	ND		43.1	43.2	100	37-137
100-41-4	Ethylbenzene	ND		43.1	43.9	102	30-139
76-13-1	Freon 113	ND		43.1	35.5	82	16-157
591-78-6	2-Hexanone	ND		43.1	35.6	83	19-155
98-82-8	Isopropylbenzene	ND		43.1	45.9	106	26-141
79-20-9	Methyl Acetate	ND		43.1	38.7	90	17-179
108-87-2	Methylcyclohexane	ND		43.1	38.2	89	10-150
1634-04-4	Methyl Tert Butyl Ether	ND		43.1	41.5	96	45-130

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68458
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
JB68403-5MS	3V11490.D	1	06/06/14	TDN	n/a	n/a	V3V489
JB68403-5	3V11483.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	JB68403-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		43.1	38.8	90	31-140
75-09-2	Methylene chloride	ND		43.1	37.9	88	44-127
100-42-5	Styrene	ND		43.1	47.0	109	30-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		43.1	42.8	99	30-131
127-18-4	Tetrachloroethene	ND		43.1	41.3	96	15-183
108-88-3	Toluene	ND		43.1	40.1	93	38-135
87-61-6	1,2,3-Trichlorobenzene	ND		43.1	41.4	96	10-159
120-82-1	1,2,4-Trichlorobenzene	ND		43.1	41.8	97	10-161
71-55-6	1,1,1-Trichloroethane	ND		43.1	42.4	98	43-142
79-00-5	1,1,2-Trichloroethane	ND		43.1	40.6	94	37-135
79-01-6	Trichloroethene	ND		43.1	42.8	99	29-161
75-69-4	Trichlorofluoromethane	ND		43.1	34.8	81	14-160
75-01-4	Vinyl chloride	ND		43.1	36.5	85	31-140
	m,p-Xylene	ND		86.2	84.6	98	29-140
95-47-6	o-Xylene	ND		43.1	45.4	105	31-140
1330-20-7	Xylene (total)	ND		129	130	100	30-140

CAS No.	Surrogate Recoveries	MS	JB68403-5	Limits
1868-53-7	Dibromofluoromethane	90%	90%	59-130%
17060-07-0	1,2-Dichloroethane-D4	88%	89%	65-123%
2037-26-5	Toluene-D8	102%	102%	77-125%
460-00-4	4-Bromofluorobenzene	105%	104%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB68467-1MS	3V11450.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1MSD	3V11451.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1	3V11447.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB68467-1MS	3V11450.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1MSD	3V11451.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1	3V11447.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68458-2, JB68458-5, JB68458-6

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

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB68478-1MS	2C119285.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1MSD	2C119286.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1	2C119279.D	10	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB68478-1MS	2C119285.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1MSD	2C119286.D	10	06/09/14	TP	n/a	n/a	V2C5484
JB68478-1	2C119279.D	10	06/09/14	TP	n/a	n/a	V2C5484

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

JB68458-3, JB68458-4

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

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

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68458
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
JB68403-4DUP	3V11489.D	1	06/06/14	TDN	n/a	n/a	V3V489
JB68403-4	3V11482.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	JB68403-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	39
71-43-2	Benzene	ND		ND		nc	24
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
78-93-3	2-Butanone (MEK)	ND		ND		nc	19
75-15-0	Carbon disulfide	ND		ND		nc	21
56-23-5	Carbon tetrachloride	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	12
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	17
76-13-1	Freon 113	ND		ND		nc	30
591-78-6	2-Hexanone	ND		ND		nc	30
98-82-8	Isopropylbenzene	ND		ND		nc	17
79-20-9	Methyl Acetate	ND		ND		nc	30
108-87-2	Methylcyclohexane	ND		ND		nc	11
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	16

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68458
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
JB68403-4DUP	3V11489.D	1	06/06/14	TDN	n/a	n/a	V3V489
JB68403-4	3V11482.D	1	06/06/14	TDN	n/a	n/a	V3V489

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

JB68458-1

CAS No.	Compound	JB68403-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	30
75-09-2	Methylene chloride	ND		ND		nc	60
100-42-5	Styrene	ND		ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	30
127-18-4	Tetrachloroethene	ND		ND		nc	18
108-88-3	Toluene	ND		ND		nc	33
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	30
79-01-6	Trichloroethene	ND		ND		nc	17
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	22
95-47-6	o-Xylene	ND		ND		nc	19
1330-20-7	Xylene (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JB68403-4	Limits
1868-53-7	Dibromofluoromethane	92%	88%	59-130%
17060-07-0	1,2-Dichloroethane-D4	92%	87%	65-123%
2037-26-5	Toluene-D8	103%	102%	77-125%
460-00-4	4-Bromofluorobenzene	106%	106%	71-132%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

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

Instrument Performance Check (BFB)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16681	17.6		Pass
75	30.0 - 60.0% of mass 95	42837	45.3		Pass
95	Base peak, 100% relative abundance	94634	100.0		Pass
96	5.0 - 9.0% of mass 95	6073	6.42		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	95880	101.3		Pass
175	5.0 - 9.0% of mass 174	7129	7.53	(7.44) [a]	Pass
176	95.0 - 101.0% of mass 174	92506	97.8	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5981	6.32	(6.47) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2C5484-CC5480	2C119272.D	06/09/14	10:30	00:28	Continuing cal 20
V2C5484-MB	2C119274.D	06/09/14	11:33	01:31	Method Blank
V2C5484-BS	2C119275.D	06/09/14	12:11	02:09	Blank Spike
JB68478-1	2C119279.D	06/09/14	14:05	04:03	(used for QC only; not part of job JB68458)
ZZZZZZ	2C119281.D	06/09/14	15:03	05:01	(unrelated sample)
ZZZZZZ	2C119282.D	06/09/14	15:31	05:29	(unrelated sample)
ZZZZZZ	2C119284.D	06/09/14	16:29	06:27	(unrelated sample)
JB68478-1MS	2C119285.D	06/09/14	16:58	06:56	Matrix Spike
JB68478-1MSD	2C119286.D	06/09/14	17:26	07:24	Matrix Spike Duplicate
ZZZZZZ	2C119288.D	06/09/14	18:24	08:22	(unrelated sample)
ZZZZZZ	2C119289.D	06/09/14	18:53	08:51	(unrelated sample)
JB68458-3	2C119290.D	06/09/14	19:21	09:19	330-TB-9
JB68458-4	2C119291.D	06/09/14	19:50	09:48	331-FB-10

Instrument Performance Check (BFB)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

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

Instrument Performance Check (BFB)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10535	15.4		Pass
75	30.0 - 60.0% of mass 95	29352	43.0		Pass
95	Base peak, 100% relative abundance	68291	100.0		Pass
96	5.0 - 9.0% of mass 95	4569	6.69		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	63792	93.4		Pass
175	5.0 - 9.0% of mass 174	4870	7.13	(7.63) [a]	Pass
176	95.0 - 101.0% of mass 174	62488	91.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	4150	6.08	(6.64) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3V487-CC474	3V11442.D	06/05/14	10:07	01:36	Continuing cal 20
V3V487-MB1	3V11444.D	06/05/14	11:24	02:53	Method Blank
V3V487-BS	3V11445.D	06/05/14	11:50	03:19	Blank Spike
JB68467-1	3V11447.D	06/05/14	12:44	04:13	(used for QC only; not part of job JB68458)
ZZZZZZ	3V11448.D	06/05/14	13:25	04:54	(unrelated sample)
ZZZZZZ	3V11449.D	06/05/14	13:52	05:21	(unrelated sample)
JB68467-1MS	3V11450.D	06/05/14	14:19	05:48	Matrix Spike
JB68467-1MSD	3V11451.D	06/05/14	14:46	06:15	Matrix Spike Duplicate
ZZZZZZ	3V11453.D	06/05/14	15:39	07:08	(unrelated sample)
ZZZZZZ	3V11454.D	06/05/14	16:06	07:35	(unrelated sample)
ZZZZZZ	3V11455.D	06/05/14	16:32	08:01	(unrelated sample)
ZZZZZZ	3V11456.D	06/05/14	16:59	08:28	(unrelated sample)
ZZZZZZ	3V11457.D	06/05/14	17:26	08:55	(unrelated sample)
JB68458-2	3V11459.D	06/05/14	18:19	09:48	269-PE-52
JB68458-5	3V11460.D	06/05/14	18:46	10:15	332-PE-58
JB68458-6	3V11461.D	06/05/14	19:13	10:42	333-PE-57
ZZZZZZ	3V11462.D	06/05/14	19:40	11:09	(unrelated sample)
ZZZZZZ	3V11463.D	06/05/14	20:06	11:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V489-BFB	**Injection Date:**	06/06/14
Lab File ID:	3V11475.D	**Injection Time:**	08:28
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10490	15.9		Pass
75	30.0 - 60.0% of mass 95	29136	44.2		Pass
95	Base peak, 100% relative abundance	65965	100.0		Pass
96	5.0 - 9.0% of mass 95	4419	6.70		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	60693	92.0		Pass
175	5.0 - 9.0% of mass 174	4720	7.16	(7.78) [a]	Pass
176	95.0 - 101.0% of mass 174	59141	89.7	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	3866	5.86	(6.54) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3V489-CC474	3V11477.D	06/06/14	09:44	01:16	Continuing cal 20
V3V489-MB1	3V11478.D	06/06/14	10:15	01:47	Method Blank
V3V489-BS	3V11479.D	06/06/14	10:52	02:24	Blank Spike
ZZZZZZ	3V11481.D	06/06/14	11:45	03:17	(unrelated sample)
JB68403-4	3V11482.D	06/06/14	12:12	03:44	(used for QC only; not part of job JB68458)
JB68403-5	3V11483.D	06/06/14	12:39	04:11	(used for QC only; not part of job JB68458)
ZZZZZZ	3V11484.D	06/06/14	13:05	04:37	(unrelated sample)
ZZZZZZ	3V11485.D	06/06/14	13:32	05:04	(unrelated sample)
ZZZZZZ	3V11486.D	06/06/14	13:58	05:30	(unrelated sample)
JB68403-4DUP	3V11489.D	06/06/14	15:19	06:51	Duplicate
JB68403-5MS	3V11490.D	06/06/14	15:45	07:17	Matrix Spike
JB68458-1	3V11492.D	06/06/14	16:38	08:10	329-PE-42
ZZZZZZ	3V11493.D	06/06/14	17:05	08:37	(unrelated sample)
ZZZZZZ	3V11494.D	06/06/14	17:31	09:03	(unrelated sample)
ZZZZZZ	3V11495.D	06/06/14	17:58	09:30	(unrelated sample)
ZZZZZZ	3V11496.D	06/06/14	18:25	09:57	(unrelated sample)
ZZZZZZ	3V11497.D	06/06/14	18:51	10:23	(unrelated sample)
ZZZZZZ	3V11498.D	06/06/14	19:18	10:50	(unrelated sample)
ZZZZZZ	3V11499.D	06/06/14	19:45	11:17	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V2C5484-CC5480	**Injection Date:**	06/09/14
Lab File ID:	2C119272.D	**Injection Time:**	10:30
Instrument ID:	GCMS2C	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	201391	7.40	387807	9.88	453463	10.83	382162	13.91	206759	16.10
Upper Limit [a]	402782	7.90	775614	10.38	906926	11.33	764324	14.41	413518	16.60
Lower Limit [b]	100696	6.90	193904	9.38	226732	10.33	191081	13.41	103380	15.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2C5484-MB	190543	7.40	390188	9.88	449401	10.83	384980	13.91	200568	16.10
V2C5484-BS	196520	7.40	377319	9.88	436903	10.83	380167	13.91	201041	16.10
JB68478-1	192169	7.39	401137	9.88	457729	10.83	391758	13.91	209288	16.10
ZZZZZZ	192530	7.39	402921	9.88	464198	10.83	395614	13.91	212093	16.10
ZZZZZZ	200508	7.40	404403	9.88	463579	10.83	398828	13.91	212029	16.10
ZZZZZZ	197737	7.40	404732	9.88	461877	10.83	393967	13.91	210072	16.10
JB68478-1MS	198956	7.40	394199	9.88	458728	10.83	382173	13.91	209013	16.10
JB68478-1MSD	201592	7.40	410961	9.88	474643	10.83	391450	13.91	211611	16.10
ZZZZZZ	200394	7.40	427898	9.88	490340	10.83	418018	13.91	220357	16.10
ZZZZZZ	202848	7.40	426535	9.88	484363	10.83	413981	13.91	218912	16.10
JB68458-3	197936	7.40	413767	9.88	474516	10.83	404511	13.91	215048	16.10
JB68458-4	197160	7.40	403730	9.88	462348	10.83	397468	13.91	210522	16.10

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

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

Volatile Internal Standard Area Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V487-CC474	**Injection Date:**	06/05/14
Lab File ID:	3V11442.D	**Injection Time:**	10:07
Instrument ID:	GCMS3V	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	100696	7.31	192742	9.78	271953	10.74	251981	13.96	158462	16.32
Upper Limit [a]	201392	7.81	385484	10.28	543906	11.24	503962	14.46	316924	16.82
Lower Limit [b]	50348	6.81	96371	9.28	135977	10.24	125991	13.46	79231	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3V487-MB1	108428	7.27	178514	9.78	256972	10.75	235515	13.96	153398	16.32
V3V487-BS	102461	7.31	189939	9.79	268378	10.75	242011	13.97	151412	16.32
JB68467-1	95747	7.31	191850	9.79	271504	10.75	253947	13.96	158415	16.32
ZZZZZZ	86617	7.28	173454	9.78	248619	10.75	229079	13.96	145210	16.32
ZZZZZZ	73837	7.30	187168	9.79	263616	10.75	238329	13.96	150299	16.32
JB68467-1MS	93238	7.30	199976	9.79	280529	10.75	253734	13.97	158114	16.32
JB68467-1MSD	92257	7.30	204209	9.79	290455	10.75	258024	13.96	157943	16.32
ZZZZZZ	62503	7.28	181347	9.79	249667	10.75	221578	13.96	133293	16.32
ZZZZZZ	98520	7.29	188283	9.79	268591	10.75	235637	13.96	149834	16.32
ZZZZZZ	83521	7.30	174471	9.79	247413	10.75	226935	13.96	141063	16.32
ZZZZZZ	76394	7.30	175825	9.79	247350	10.75	225638	13.97	136848	16.32
ZZZZZZ	85782	7.27	166328	9.78	238839	10.75	221759	13.97	132654	16.32
JB68458-2	89588	7.29	170391	9.79	244591	10.75	225158	13.96	141052	16.32
JB68458-5	95328	7.31	165389	9.79	237689	10.75	208491	13.97	118093	16.32
JB68458-6	113700	7.28	159110	9.78	229015	10.75	212310	13.96	122294	16.32
ZZZZZZ	78204	7.30	164494	9.79	238318	10.75	221848	13.96	150751	16.32
ZZZZZZ	96883	7.30	187918	9.78	273192	10.75	265564	13.96	176904	16.32

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

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

Volatile Internal Standard Area Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V489-CC474	**Injection Date:**	06/06/14
Lab File ID:	3V11477.D	**Injection Time:**	09:44
Instrument ID:	GCMS3V	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	89512	7.30	163756	9.78	232353	10.75	213448	13.96	134016	16.32
Upper Limit [a]	179024	7.80	327512	10.28	464706	11.25	426896	14.46	268032	16.82
Lower Limit [b]	44756	6.80	81878	9.28	116177	10.25	106724	13.46	67008	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3V489-MB1	78130	7.31	175112	9.79	247822	10.75	229157	13.96	136308	16.32
V3V489-BS	83476	7.30	167119	9.79	239313	10.75	212886	13.96	132925	16.32
ZZZZZZ	88697	7.30	172747	9.79	247853	10.75	220940	13.96	141798	16.32
JB68403-4	83599	7.30	171483	9.79	244474	10.75	225089	13.97	138595	16.32
JB68403-5	80808	7.30	172592	9.79	248659	10.75	224823	13.96	137124	16.32
ZZZZZZ	78187	7.30	169666	9.79	243182	10.75	219249	13.96	132259	16.32
ZZZZZZ	77455	7.30	163299	9.79	235716	10.75	216044	13.96	133627	16.32
ZZZZZZ	81400	7.31	167232	9.79	242825	10.75	219261	13.97	131186	16.32
JB68403-4DUP	73237	7.29	158928	9.79	231315	10.75	211782	13.96	131558	16.32
JB68403-5MS	66019	7.30	161504	9.79	235255	10.75	208182	13.97	129084	16.32
JB68458-1	102044	7.30	156884	9.79	231508	10.75	212881	13.96	124039	16.32
ZZZZZZ	84606	7.30	164822	9.79	241271	10.75	222098	13.97	137827	16.32
ZZZZZZ	84851	7.29	157340	9.78	229290	10.75	213304	13.97	131086	16.32
ZZZZZZ	81949	7.30	159186	9.79	234102	10.75	216812	13.96	132066	16.32
ZZZZZZ	82916	7.30	158718	9.79	233861	10.75	212464	13.97	124368	16.32
ZZZZZZ	61985	7.28	143101	9.78	216109	10.75	198556	13.96	122950	16.32
ZZZZZZ	69564	7.29	156298	9.79	225396	10.75	204732	13.96	125192	16.32
ZZZZZZ	85570	7.30	173048	9.79	254592	10.75	236694	13.97	144620	16.32

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

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

Volatile Surrogate Recovery Summary

Job Number: JB68458
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
JB68458-3	2C119290.D	96	94	108	103
JB68458-4	2C119291.D	97	95	109	103
JB68478-1MS	2C119285.D	98	95	109	103
JB68478-1MSD	2C119286.D	96	94	108	104
V2C5484-BS	2C119275.D	98	95	109	101
V2C5484-MB	2C119274.D	98	97	110	106

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-120%
S2 = 1,2-Dichloroethane-D4	72-123%
S3 = Toluene-D8	78-119%
S4 = 4-Bromofluorobenzene	74-119%

Volatile Surrogate Recovery Summary

Job Number: JB68458
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
JB68458-1	3V11492.D	96	101	103	111
JB68458-2	3V11459.D	90	90	101	104
JB68458-5	3V11460.D	91	92	100	110
JB68458-6	3V11461.D	92	98	102	105
JB68403-4DUP	3V11489.D	92	92	103	106
JB68403-5MS	3V11490.D	90	88	102	105
JB68467-1MS	3V11450.D	87	78	102	103
JB68467-1MSD	3V11451.D	86	79	100	104
V3V487-BS	3V11445.D	87	84	101	104
V3V487-MB1	3V11444.D	87	84	102	100
V3V489-BS	3V11479.D	87	86	101	104
V3V489-MB1	3V11478.D	87	85	102	108

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: JB68458 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

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

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

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

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

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V2C5480-ICC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119193.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V2C5480-ICV5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119198.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V2C5484-CC5480
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2C119272.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2C119192.D M2C5480.M Tue Jun 10 15:02:46 2014 RPT1

Initial Calibration Summary

Job Number: JB68458 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3V

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

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

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB68458 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Verification

Job Number: JB68458 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11442.D Vial: 3
Acq On : 5 Jun 2014 10:07 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68397,V3V487,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	99	0.00	7.31
2		1,4-dioxane	0.127	0.130	-2.4	106	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.363	-1.8	101	0.00	7.45
5	I	pentafluorobenzene	1.000	1.000	0.0	126	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	16.792	16.0	116	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.173	11.7	107	0.00	3.54
8		chloromethane	1.143	1.062	7.1	116	0.00	3.85
9		vinyl chloride	1.231	1.164	5.4	117	0.00	4.12
10		bromomethane	0.781	0.744	4.7	115	0.00	4.80
11		chloroethane	0.406	0.420	-3.4	121	0.00	4.99
12		trichlorofluoromethane	1.355	1.252	7.6	111	0.00	5.51
13		ethyl ether	0.251	0.233	7.2	105	0.00	5.96
14		2-chloropropane	0.971	0.904	6.9	112	0.00	6.18
15		acrolein	0.101	0.109	-7.9	127	0.00	6.28
16		1,1-dichloroethene	0.677	0.582	14.0	102	0.00	6.42
17		acetone	0.177	0.147	16.9	86	0.01	6.55
18		allyl chloride	0.309	0.267	13.6	100	0.00	7.05
19		acetonitrile	0.044	0.042	4.5	111	0.00	7.06
20		iodomethane	1.414	1.281	9.4	104	0.00	6.74
21		iso-butyl alcohol	0.019	0.018	5.3	105	0.00	10.14
22		carbon disulfide	2.498	2.321	7.1	106	0.00	6.85
23		methylene chloride	0.795	0.702	11.7	111	0.00	7.28
24		1-chloropropane	1.082	0.926	14.4	103	0.00	7.30
25		methyl acetate	0.071	0.073	-2.8	116	0.00	7.05
26		methyl tert butyl ether	1.628	1.569	3.6	106	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.620	13.4	105	0.00	7.69
28		di-isopropyl ether	1.711	1.739	-1.6	122	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.737	-1.2	120	0.00	8.86
30		2-butanone	0.056	0.048	14.3	91	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.050	4.3	107	0.00	8.36
32		chloroprene	0.724	0.724	0.0	118	0.00	8.47
33		acrylonitrile	0.161	0.158	1.9	105	-0.01	7.69
34		vinyl acetate	0.062	0.058	6.5	109	-0.01	8.36
35		ethyl acetate	0.055	0.052	5.5	107	-0.01	9.19
36		2,2-dichloropropane	1.110	1.032	7.0	107	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.655	19.8	102	0.00	9.19

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V489-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11477.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11477.D Vial: 3
Acq On : 6 Jun 2014 9:44 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68397,V3V489,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	88	0.00	7.30
2		1,4-dioxane	0.127	0.132	-3.9	95	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.413	-5.5	93	0.00	7.45
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	19.913	0.4	112	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.379	-3.8	107	0.00	3.54
8		chloromethane	1.143	1.175	-2.8	109	-0.01	3.84
9		vinyl chloride	1.231	1.326	-7.7	113	0.00	4.12
10		bromomethane	0.781	0.843	-7.9	111	-0.01	4.79
11		chloroethane	0.406	0.452	-11.3	111	0.00	4.98
12		trichlorofluoromethane	1.355	1.425	-5.2	108	0.00	5.51
13		ethyl ether	0.251	0.241	4.0	92	0.00	5.96
14		2-chloropropane	0.971	0.978	-0.7	103	0.00	6.18
15		acrolein	0.101	0.108	-6.9	107	0.00	6.28
16		1,1-dichloroethene	0.677	0.618	8.7	92	0.00	6.43
17		acetone	0.177	0.154	13.0	76	0.00	6.54
18		allyl chloride	0.309	0.275	11.0	88	0.00	7.05
19		acetonitrile	0.044	0.045	-2.3	102	-0.01	7.05
20		iodomethane	1.414	1.317	6.9	91	-0.01	6.73
21		iso-butyl alcohol	0.019	0.020	-5.3	98	0.00	10.14
22		carbon disulfide	2.498	2.486	0.5	97	0.00	6.85
23		methylene chloride	0.795	0.680	14.5	92	0.00	7.28
24		1-chloropropane	1.082	1.004	7.2	95	0.00	7.30
25		methyl acetate	0.071	0.072	-1.4	97	0.00	7.06
26		methyl tert butyl ether	1.628	1.637	-0.6	94	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.647	9.6	93	0.00	7.69
28		di-isopropyl ether	1.711	1.886	-10.2	113	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.831	-6.7	108	0.00	8.85
30		2-butanone	0.056	0.050	10.7	80	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.118	-1.9	97	0.00	8.36
32		chloroprene	0.724	0.792	-9.4	110	0.00	8.46
33		acrylonitrile	0.161	0.161	0.0	91	0.00	7.69
34		vinyl acetate	0.062	0.060	3.2	96	0.00	8.36
35		ethyl acetate	0.055	0.058	-5.5	102	0.00	9.20
36		2,2-dichloropropane	1.110	1.137	-2.4	100	-0.01	9.18
37		cis-1,2-dichloroethene	0.817	0.689	15.7	91	0.00	9.19

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V489-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11477.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.071	0.0	93	-0.01	9.31
39		methyl acrylate	0.466	0.447	4.1	91	0.00	9.28
40		bromochloromethane	0.337	0.315	6.5	89	0.00	9.54
41		tetrahydrofuran	0.149	0.155	-4.0	97	0.00	9.57
42		chloroform	1.191	1.086	8.8	94	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.547	13.6	93	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.475	14.3	90	0.00	10.27
45		freon 113	0.604	0.643	-6.5	111	0.00	6.40
46		methacrylonitrile	0.231	0.231	0.0	95	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.108	0.1	97	0.00	9.85
48		tert-amyl methyl ether	1.714	1.721	-0.4	103	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	10.75
50		epichlorohydrin	0.028	0.031	-10.7	102	0.00	12.07
51		n-butyl alcohol	0.011	0.012	-9.1	92	0.00	10.93
52	M	cyclohexane	0.652	0.701	-7.5	96	0.00	9.90
53		carbon tetrachloride	0.661	0.709	-7.3	96	-0.01	10.05
54		1,1-dichloropropene	0.519	0.550	-6.0	96	0.00	10.04
55		hexane	0.413	0.510	-23.5#	117	0.00	8.02
56		ISOOCTANE	1.472	1.585	-7.7	108	0.00	10.30
57	M	benzene	1.558	1.608	-3.2	96	0.00	10.33
58		heptane	0.252	0.299	-18.7	106	0.00	10.50
59		isopropyl acetate	0.736	0.807	-9.6	103	0.00	10.29
60		1,2-dichloroethane	0.437	0.458	-4.8	93	0.00	10.37
61		trichloroethene	0.407	0.427	-4.9	95	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.657	-26.3#	119	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.198	-38.5#	123	0.00	11.94
65		methyl methacrylate	0.258	0.315	-22.1#	116	0.00	11.28
66		1,2-dichloropropane	0.375	0.400	-6.7	96	0.00	11.37
67		methylcyclohexane	0.671	0.788	-17.4	112	0.00	11.29
68		dibromomethane	0.236	0.239	-1.3	90	0.00	11.54
69		bromodichloromethane	0.498	0.512	-2.8	93	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.582	-5.1	94	0.00	12.14
71	S	toluene-d8 (s)	1.238	1.277	-3.2	101	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.120	-4.3	89	0.00	12.25
73		toluene	0.910	0.899	1.2	94	0.00	12.49
74		3-methyl-1-butanol	0.010	0.010	0.0	89	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.502	-6.6	92	0.00	12.72
76		ethyl methacrylate	0.351	0.357	-1.7	91	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.264	-3.5	92	0.00	12.94
78		2-hexanone	0.105	0.107	-1.9	87	0.00	13.11
79	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	13.96
80		tetrachloroethene	0.464	0.493	-6.2	94	0.00	13.07
81		1,3-dichloropropane	0.470	0.502	-6.8	91	0.00	13.12
82		butyl acetate	0.194	0.214	-10.3	91	0.00	13.19
83		dibromochloromethane	0.430	0.436	-1.4	90	0.00	13.39
84		1,2-dibromoethane	0.336	0.353	-5.1	89	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.185	-5.1	93	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.481	-4.1	92	0.00	14.06
88		ethylbenzene	1.964	2.086	-6.2	97	0.00	14.05
89		m,p-xylene	0.770	0.801	-4.0	96	0.00	14.16
90		o-xylene	0.748	0.808	-8.0	94	0.00	14.60
91		styrene	1.141	1.279	-12.1	95	0.00	14.61
92		bromoform	0.314	0.315	-0.3	86	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	93	0.00	16.32
94		isopropylbenzene	3.160	3.517	-11.3	95	0.00	14.94

Continuing Calibration Summary

Job Number: JB68458 **Sample:** V3V489-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11477.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.916	-4.4	98	0.00	15.17
96		bromobenzene	0.872	0.927	-6.3	92	0.00	15.36
97		cyclohexanone	0.123	0.056	54.5#	33#	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.899	-10.2	91	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.201	-10.4	94	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.189	-7.4	88	0.00	15.36
101		n-propylbenzene	3.811	4.300	-12.8	97	0.00	15.36
102		2-chlorotoluene	0.819	0.907	-10.7	93	0.00	15.52
103		4-chlorotoluene	2.362	2.570	-8.8	95	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.086	-12.6	96	0.00	15.52
105		tert-butylbenzene	2.254	2.348	-4.2	94	0.00	15.86
106		pentachloroethane	0.587	0.582	0.9	90	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.131	-8.0	95	0.00	15.91
108		sec-butylbenzene	3.759	4.170	-10.9	96	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.929	-4.5	92	0.00	16.27
110		p-isopropyltoluene	3.109	3.544	-14.0	96	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.923	-3.2	92	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.899	-4.2	91	0.00	16.73
113		n-butylbenzene	1.776	1.974	-11.1	93	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.182	0.5	88	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.899	-4.1	92	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.751	-2.5	91	0.00	18.21
117		hexachlorobutadiene	0.890	0.933	-4.8	92	0.00	18.30
118		naphthalene	3.405	3.540	-4.0	90	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.658	-3.8	91	0.00	18.69
120		hexachloroethane	0.672	0.690	-2.7	97	0.00	16.96
121		Benzyl chloride	1.615	1.766	-9.3	96	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11189.D M3V474.M Tue Jun 10 13:48:19 2014 GCMS3V

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11492.D
Acq On : 6 Jun 2014 4:38 pm
Operator : thienn
Sample : jb68458-1
Misc : MS68605,V3V489,4,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 14:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

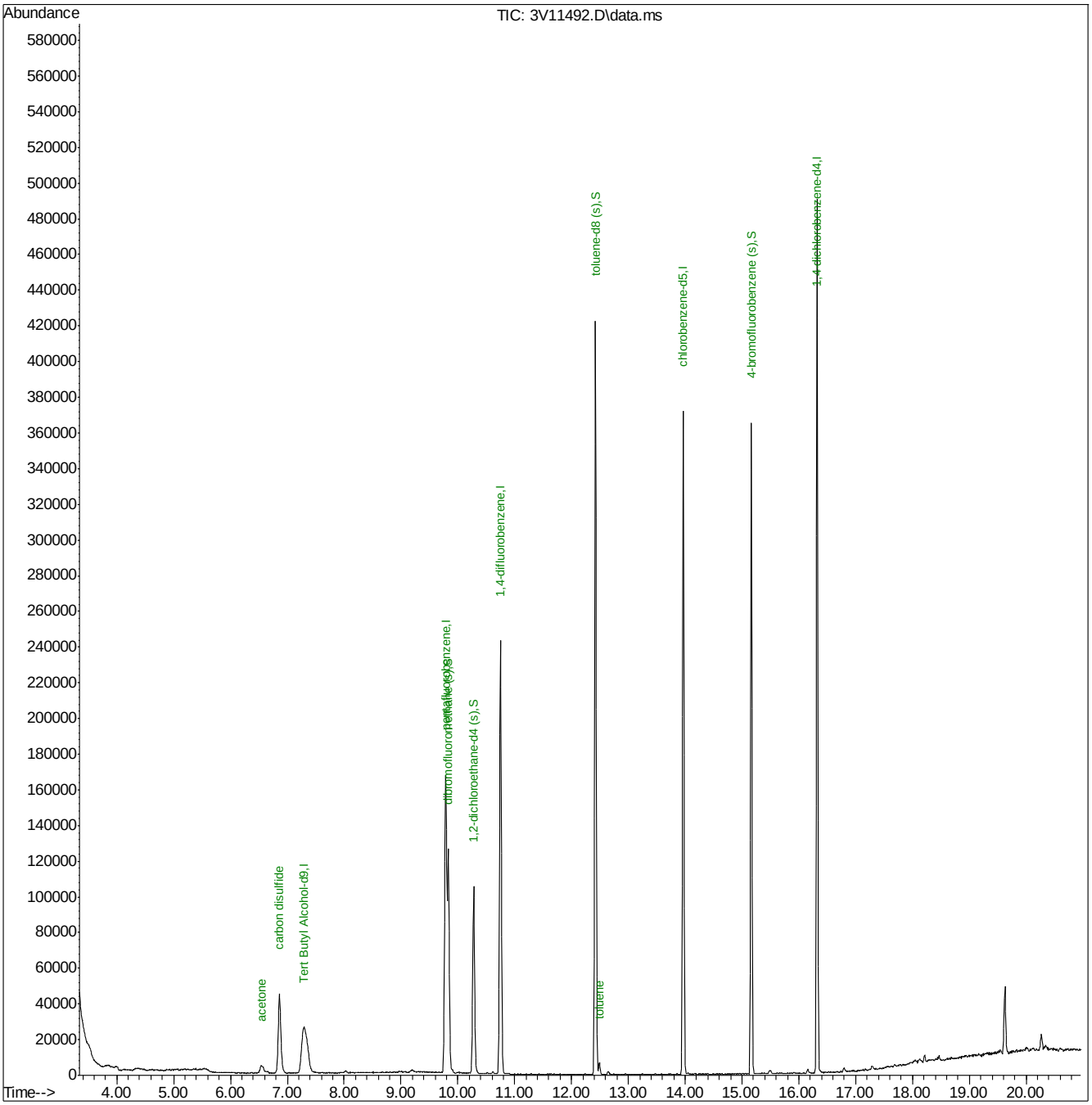
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	102044	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	156884	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	231508	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	212881	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	124039	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	94958	47.84	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.68%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	88151	50.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.44%			
71) toluene-d8 (s)	12.418	98	296060	51.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.28%			
95) 4-bromofluorobenzene (s)	15.165	95	120668	55.48	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 110.96%			
Target Compounds						Qvalue
17) acetone	6.545	43	13785	24.83	ug/L	92
22) carbon disulfide	6.860	76	106554	13.60	ug/L	99
73) toluene	12.496	92	3081	0.73	ug/L	97

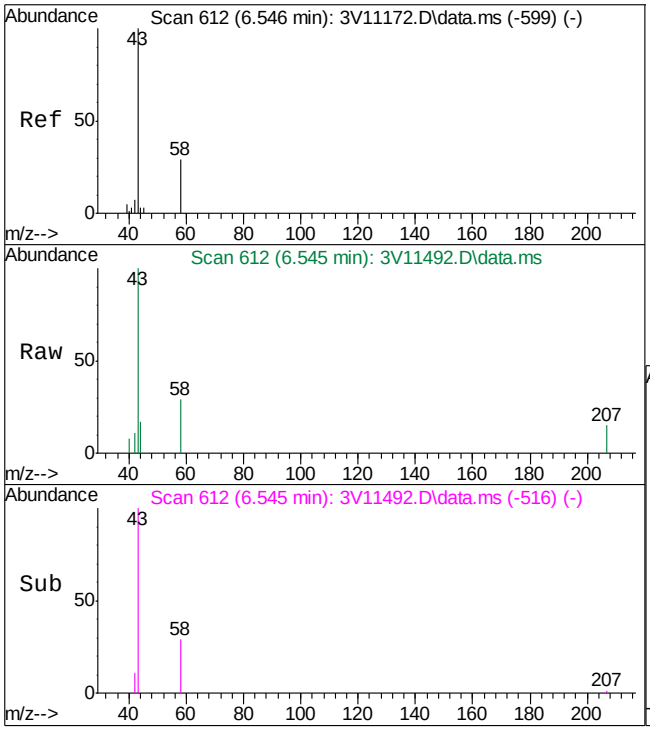
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11492.D
Acq On : 6 Jun 2014 4:38 pm
Operator : thienn
Sample : jb68458-1
Misc : MS68605,V3V489,4,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 10 14:55:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

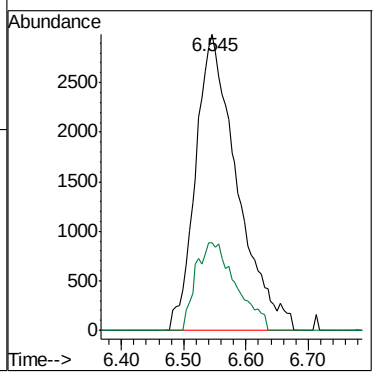


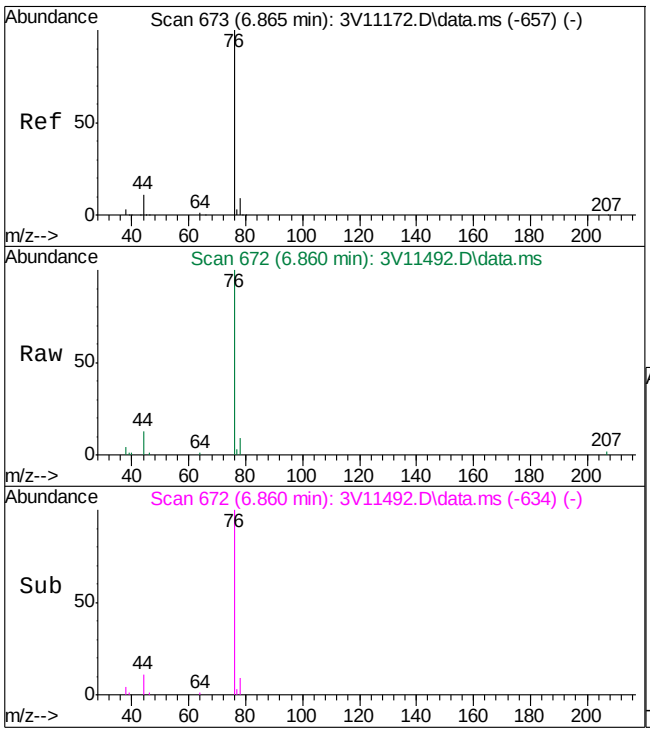


#17
acetone
Concen: 24.83 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11492.D
Acq: 6 Jun 2014 4:38 pm

Tgt Ion: 43 Resp: 13785

Ion	Ratio	Lower	Upper
43	100		
58	29.4	3.8	63.8

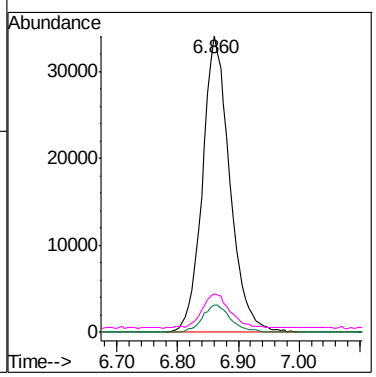


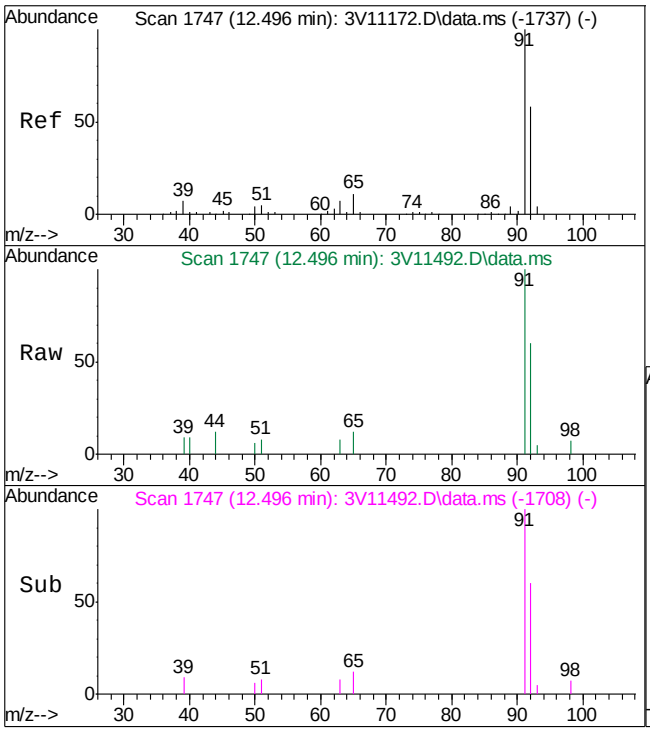


#22
carbon disulfide
Concen: 13.60 ug/L
RT: 6.860 min Scan# 672
Delta R.T. -0.000 min
Lab File: 3V11492.D
Acq: 6 Jun 2014 4:38 pm

Tgt Ion: 76 Resp: 106554

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.0
44	11.3	0.0	40.7

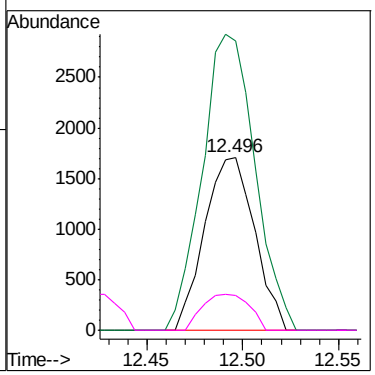




#73
toluene
Concen: 0.73 ug/L
RT: 12.496 min Scan# 1747
Delta R.T. 0.005 min
Lab File: 3V11492.D
Acq: 6 Jun 2014 4:38 pm

Tgt Ion: 92 Resp: 3081

Ion	Ratio	Lower	Upper
92	100		
91	167.6	141.7	201.7
65	20.4	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11459.D
Acq On : 5 Jun 2014 6:19 pm
Operator : thienn
Sample : jb68458-2
Misc : MS68605,V3V487,5.4,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 09 10:19:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

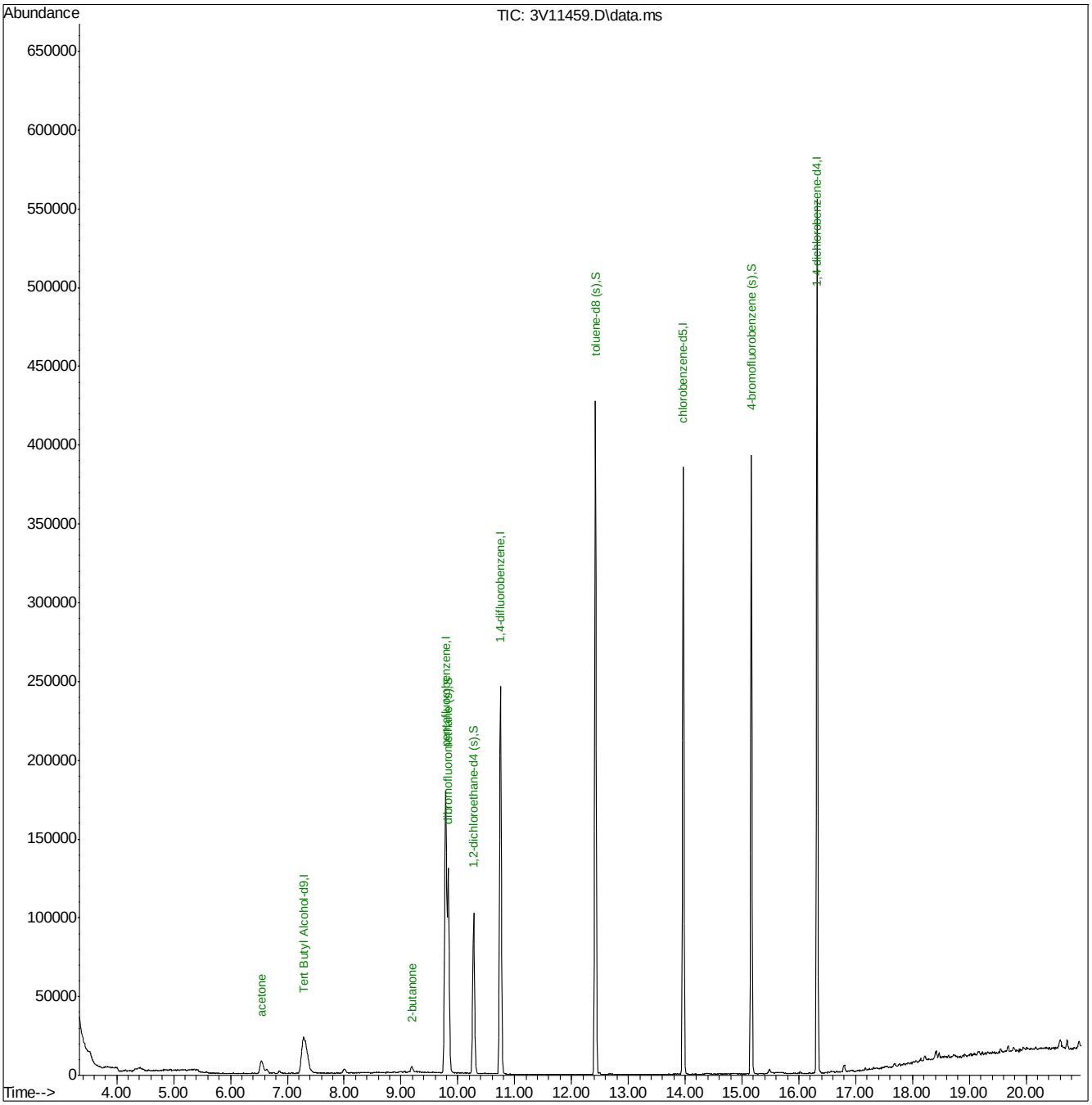
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	89588	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	170391	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	244591	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	225158	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	141052	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	97434	45.19	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.38%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	84819	44.93	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.86%			
71) toluene-d8 (s)	12.418	98	306944	50.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.34%			
95) 4-bromofluorobenzene (s)	15.165	95	128737	52.05	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.10%			
Target Compounds						Qvalue
17) acetone	6.540	43	23734	39.36	ug/L	90
30) 2-butanone	9.188	72	1542	8.12	ug/L #	1

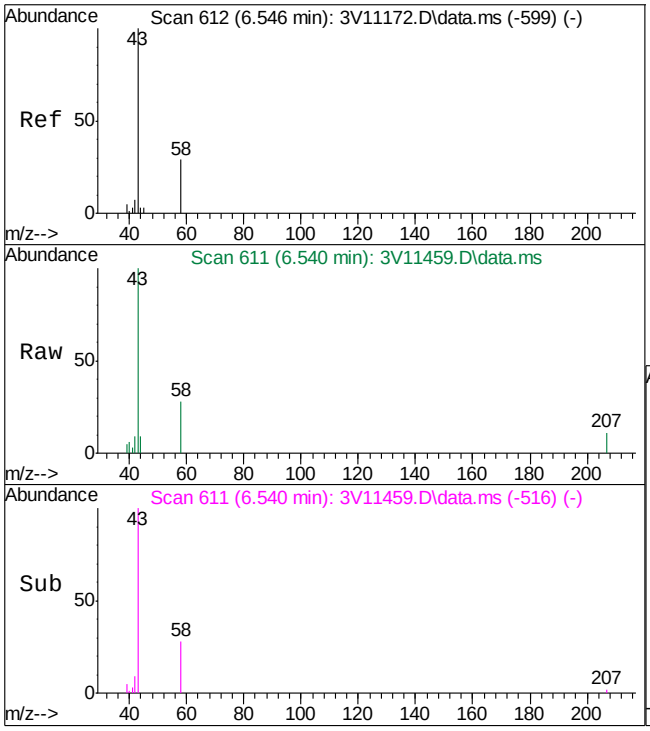
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11459.D
Acq On : 5 Jun 2014 6:19 pm
Operator : thienn
Sample : jb68458-2
Misc : MS68605,V3V487,5.4,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 09 10:19:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

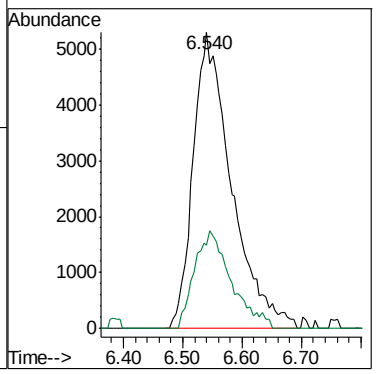


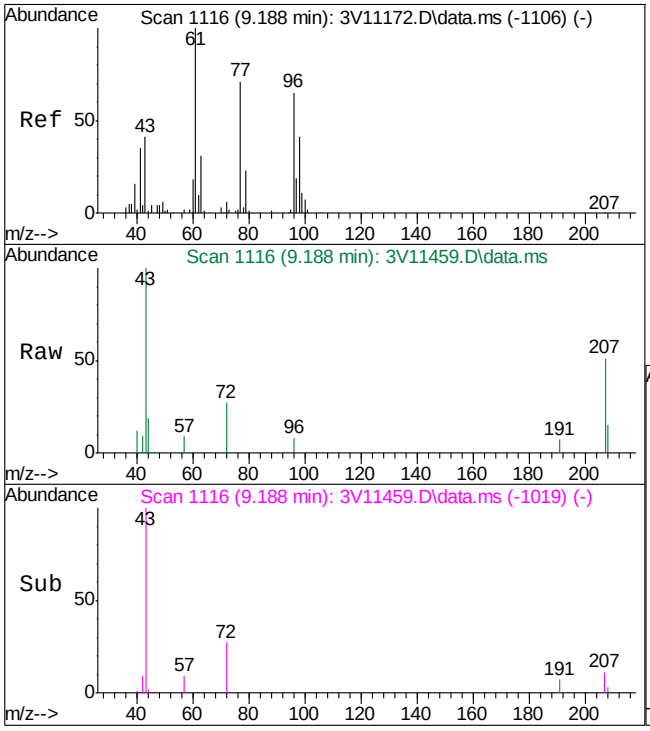


#17
acetone
Concen: 39.36 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11459.D
Acq: 5 Jun 2014 6:19 pm

Tgt Ion: 43 Resp: 23734

Ion	Ratio	Lower	Upper
43	100		
58	28.2	3.8	63.8

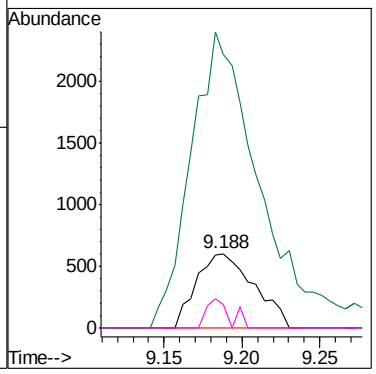




#30
2-butanone
Concen: 8.12 ug/L
RT: 9.188 min Scan# 1116
Delta R.T. 0.010 min
Lab File: 3V11459.D
Acq: 5 Jun 2014 6:19 pm

Tgt Ion: 72 Resp: 1542

Ion	Ratio	Lower	Upper
72	100		
43	484.6	704.9	1309.1#
57	0.0	17.5	32.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119290.D
Acq On : 9 Jun 2014 7:21 pm
Operator : toanp
Sample : jb68458-3
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:19:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

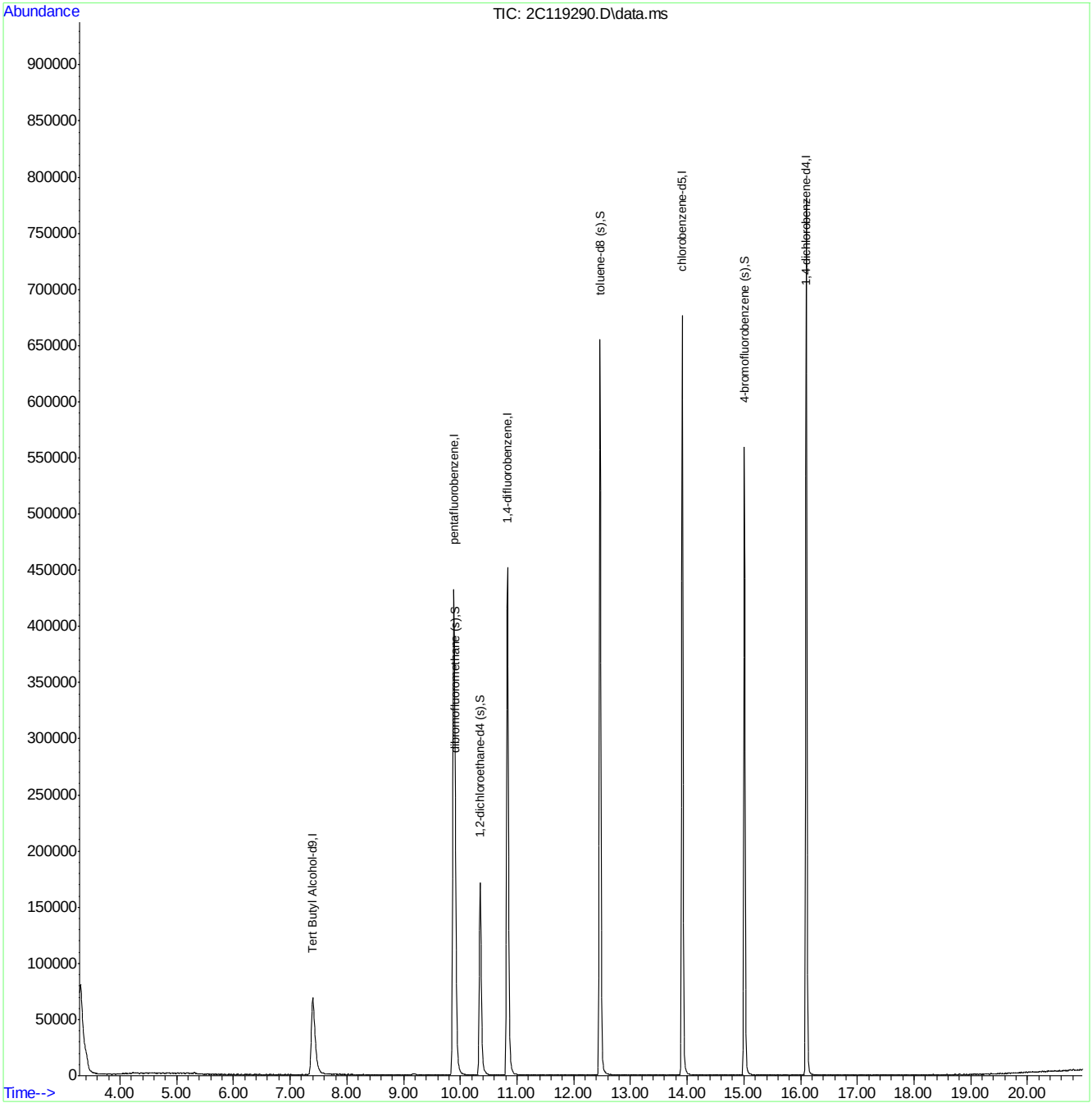
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.397	65	197936	500.00	ug/L	-0.02
5) pentafluorobenzene	9.882	168	413767	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.831	114	474516	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	404511	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	215048	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.914	113	134028	47.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.62%			
55) 1,2-dichloroethane-d4 (s)	10.349	65	154438	47.21	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 94.42%			
84) toluene-d8 (s)	12.462	98	494319	54.23	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.46%			
109) 4-bromofluorobenzene (s)	15.010	95	178559	51.44	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.88%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119290.D
Acq On : 9 Jun 2014 7:21 pm
Operator : toanp
Sample : jb68458-3
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:19:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119291.D
Acq On : 9 Jun 2014 7:50 pm
Operator : toanp
Sample : jb68458-4
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:20:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

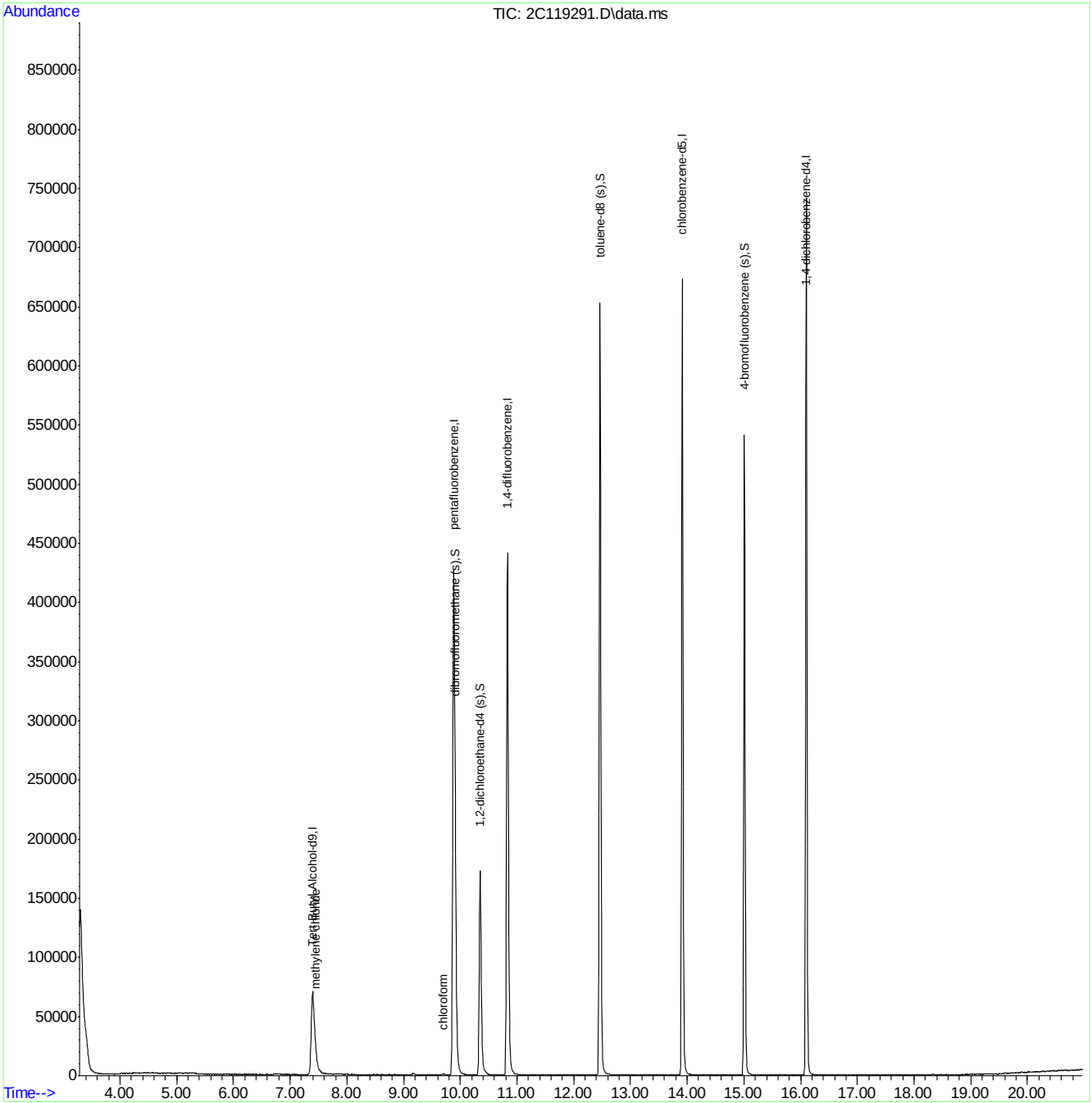
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.397	65	197160	500.00	ug/L	-0.02
5) pentafluorobenzene	9.883	168	403730	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.832	114	462348	50.00	ug/L	0.00
92) chlorobenzene-d5	13.915	117	397468	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	210522	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	132422	48.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.82%			
55) 1,2-dichloroethane-d4 (s)	10.349	65	152274	47.71	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 95.42%			
84) toluene-d8 (s)	12.462	98	485560	54.67	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 109.34%			
109) 4-bromofluorobenzene (s)	15.010	95	175792	51.73	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.46%			
Target Compounds						Qvalue
34) methylene chloride	7.439	84	784	0.27	ug/L	74
52) chloroform	9.694	83	1022	0.21	ug/L	81

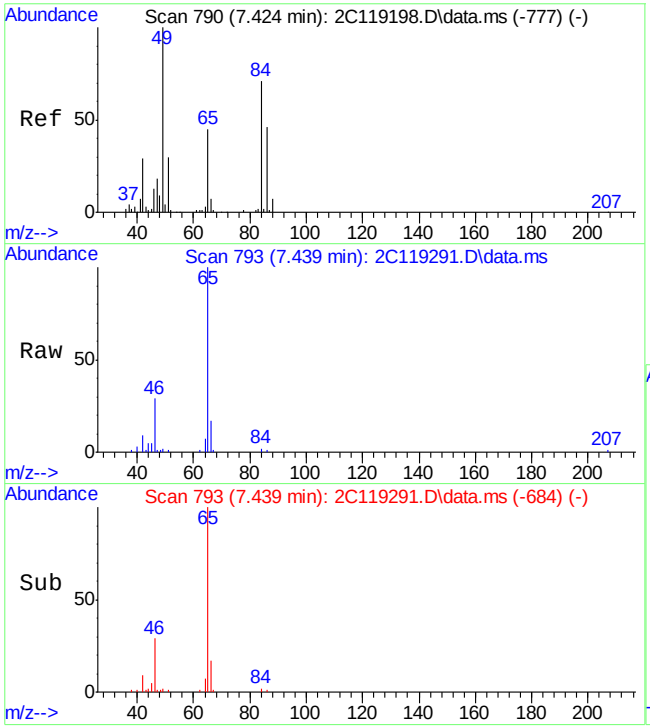
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119291.D
Acq On : 9 Jun 2014 7:50 pm
Operator : toanp
Sample : jb68458-4
Misc : MS68607,V2C5484,w,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:20:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

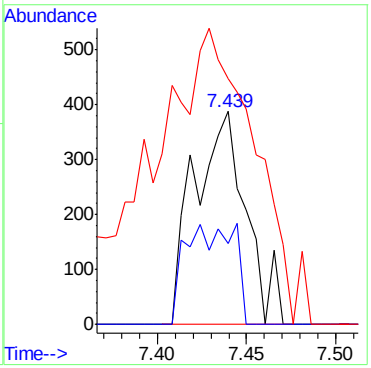


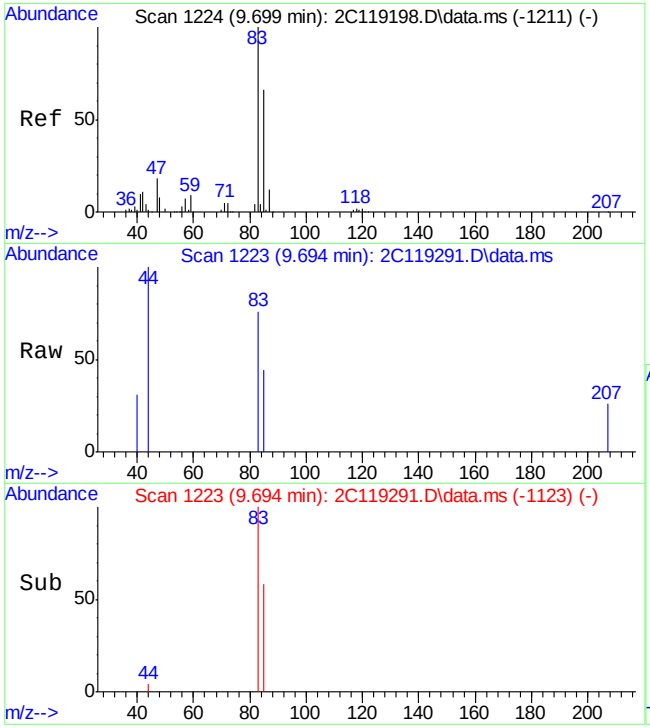


#34
methylene chloride
Concen: 0.27 ug/L
RT: 7.439 min Scan# 793
Delta R.T. 0.010 min
Lab File: 2C119291.D
Acq: 9 Jun 2014 7:50 pm

Tgt Ion: 84 Resp: 784

Ion	Ratio	Lower	Upper
84	100		
86	37.9	34.0	94.0
49	115.2	113.0	173.0

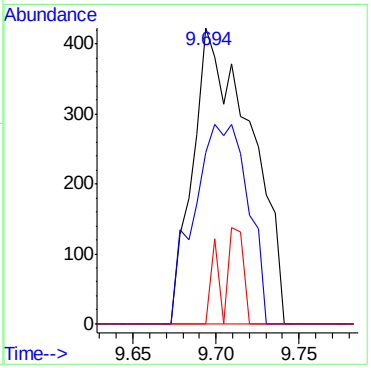




#52
chloroform
Concen: 0.21 ug/L
RT: 9.694 min Scan# 1223
Delta R.T. -0.005 min
Lab File: 2C119291.D
Acq: 9 Jun 2014 7:50 pm

Tgt Ion: 83 Resp: 1022

Ion	Ratio	Lower	Upper
83	100		
85	57.9	35.3	95.3
47	0.0	0.0	52.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11460.D
Acq On : 5 Jun 2014 6:46 pm
Operator : thienn
Sample : jb68458-5
Misc : MS68605,V3V487,4.4,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 09 10:20:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

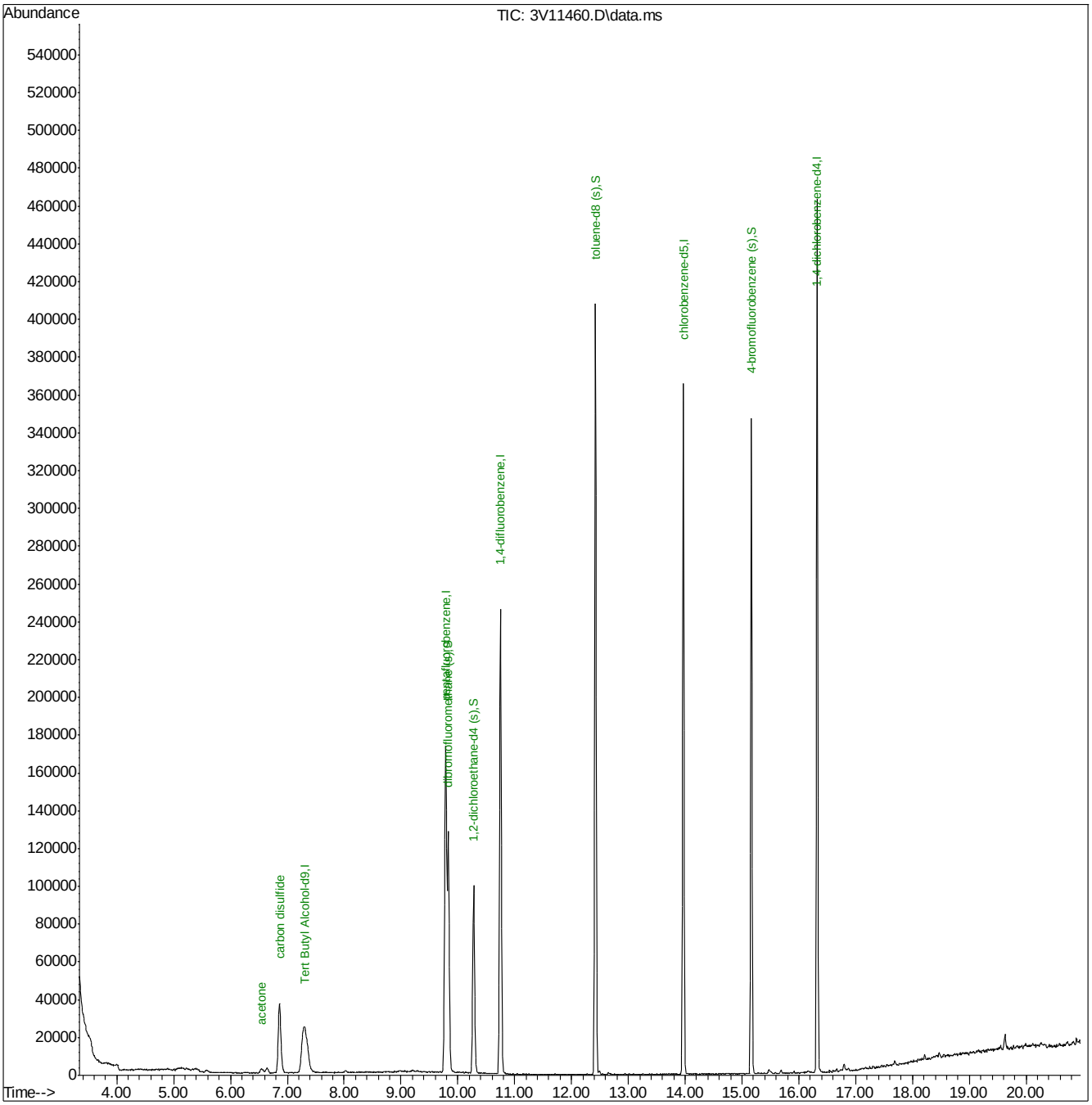
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	95328	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	165389	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	237689	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	208491	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	118093	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	95019	45.40	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.80%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	84227	45.97	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.94%			
71) toluene-d8 (s)	12.418	98	295116	50.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.26%			
95) 4-bromofluorobenzene (s)	15.165	95	114317	55.21	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 110.42%			
Target Compounds						Qvalue
17) acetone	6.545	43	7265	12.41	ug/L	92
22) carbon disulfide	6.865	76	92374	11.18	ug/L	99

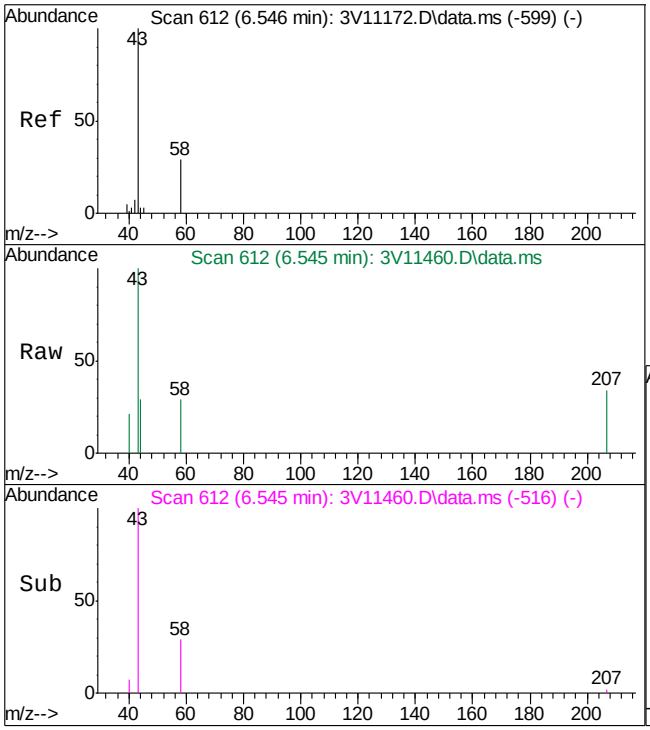
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11460.D
Acq On : 5 Jun 2014 6:46 pm
Operator : thienn
Sample : jb68458-5
Misc : MS68605,V3V487,4.4,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 09 10:20:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

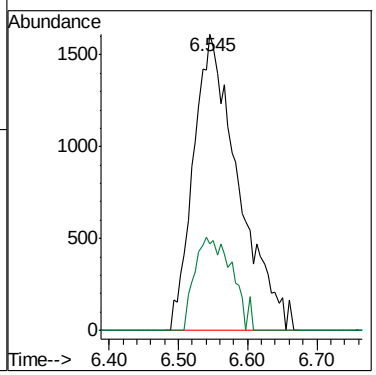


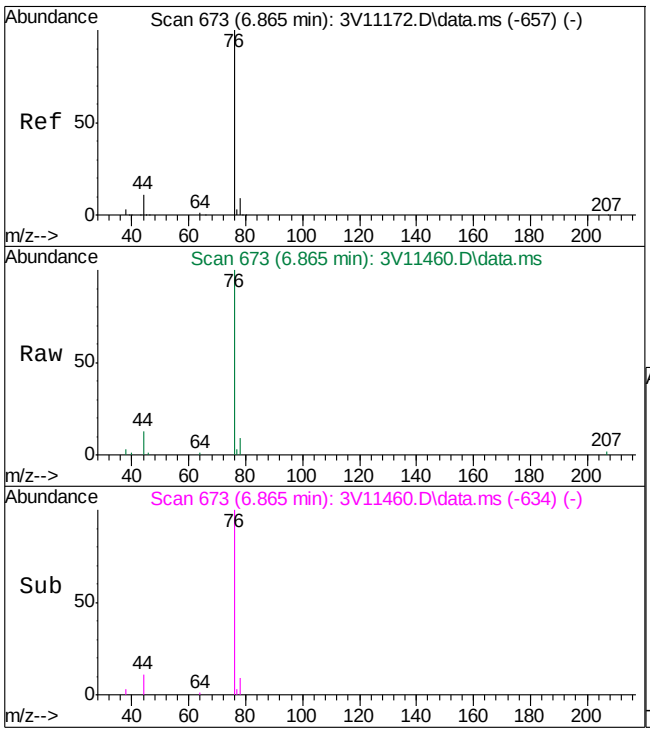


#17
acetone
Concen: 12.41 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11460.D
Acq: 5 Jun 2014 6:46 pm

Tgt Ion: 43 Resp: 7265

Ion	Ratio	Lower	Upper
43	100		
58	29.3	3.8	63.8

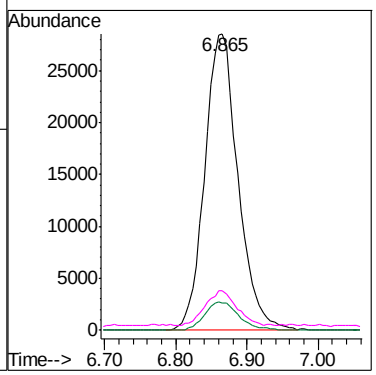




#22
carbon disulfide
Concen: 11.18 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11460.D
Acq: 5 Jun 2014 6:46 pm

Tgt Ion: 76 Resp: 92374

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.0
44	11.6	0.0	40.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11461.D
Acq On : 5 Jun 2014 7:13 pm
Operator : thienn
Sample : jb68458-6
Misc : MS68605,V3V487,4.4,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 09 10:20:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

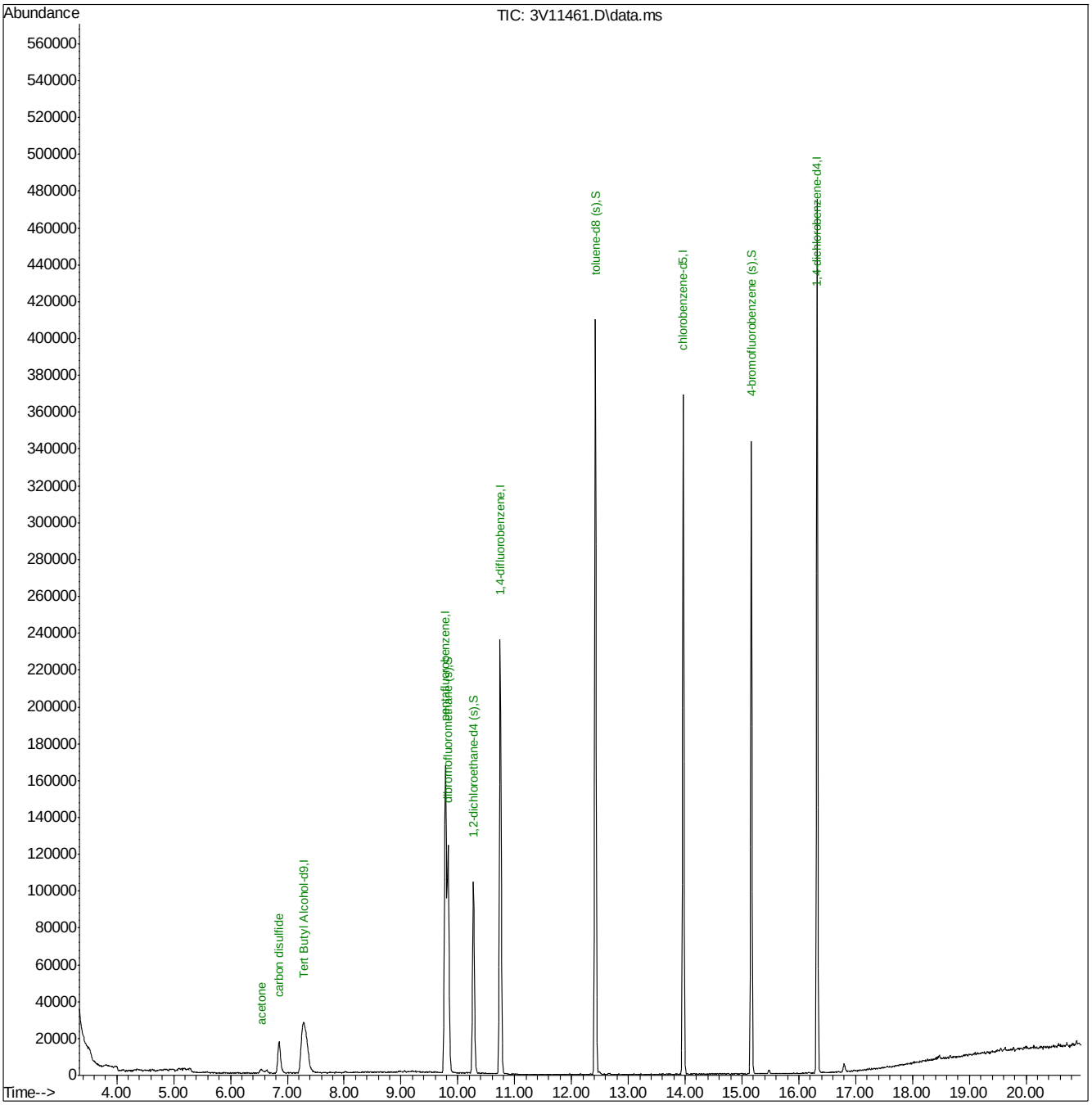
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.285	65	113700	500.00	ug/L	-0.02
5) pentafluorobenzene	9.781	168	159110	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	229015	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	212310	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	122294	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	93034	46.21	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 92.42%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	85976	48.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.56%			
71) toluene-d8 (s)	12.418	98	290425	51.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.40%			
95) 4-bromofluorobenzene (s)	15.165	95	113088	52.74	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.48%			
Target Compounds						Qvalue
17) acetone	6.546	43	6706	11.91	ug/L	88
22) carbon disulfide	6.855	76	42851	5.39	ug/L	97

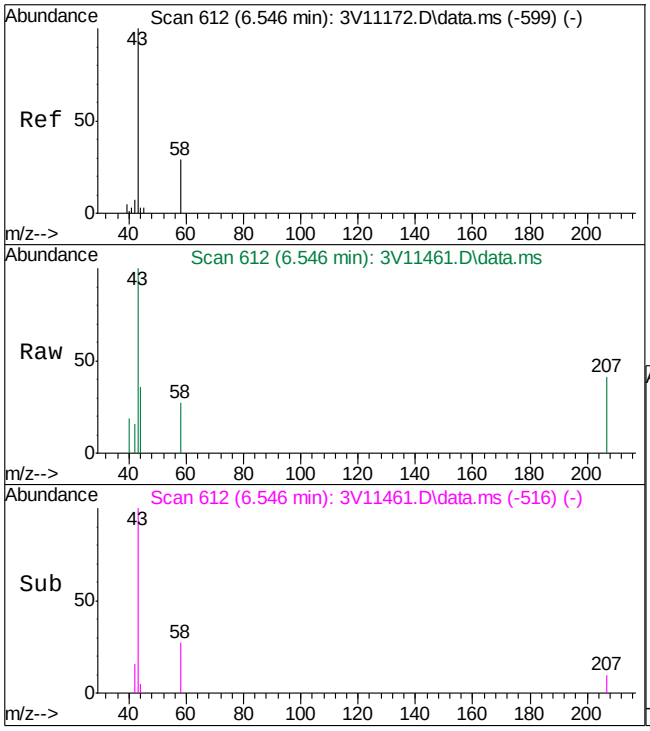
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11461.D
Acq On : 5 Jun 2014 7:13 pm
Operator : thienn
Sample : jb68458-6
Misc : MS68605,V3V487,4.4,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 09 10:20:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

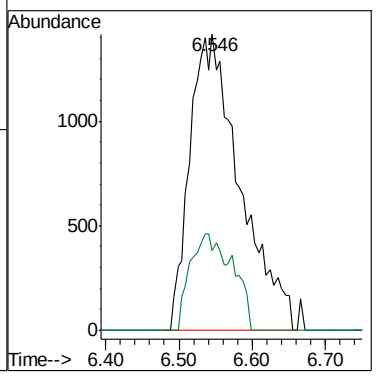


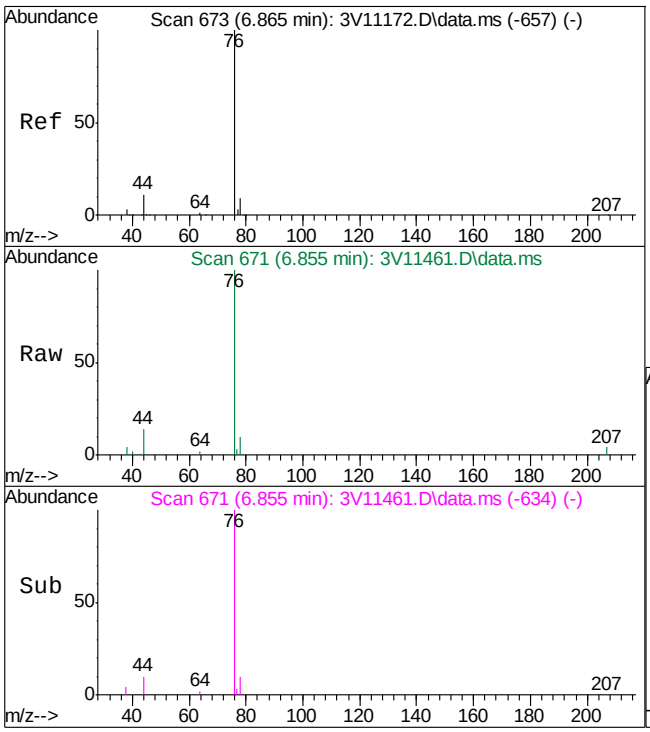


#17
acetone
Concen: 11.91 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11461.D
Acq: 5 Jun 2014 7:13 pm

Tgt Ion: 43 Resp: 6706

Ion	Ratio	Lower	Upper
43	100		
58	26.9	3.8	63.8

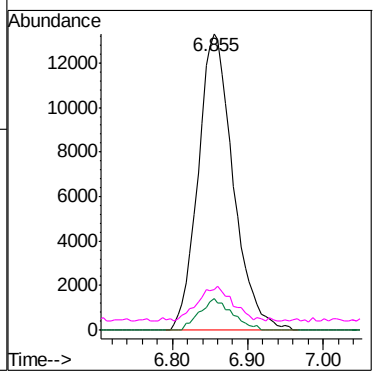




#22
carbon disulfide
Concen: 5.39 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11461.D
Acq: 5 Jun 2014 7:13 pm

Tgt Ion: 76 Resp: 42851

Ion	Ratio	Lower	Upper
76	100		
78	10.5	0.0	39.0
44	10.1	0.0	40.7



Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:24:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

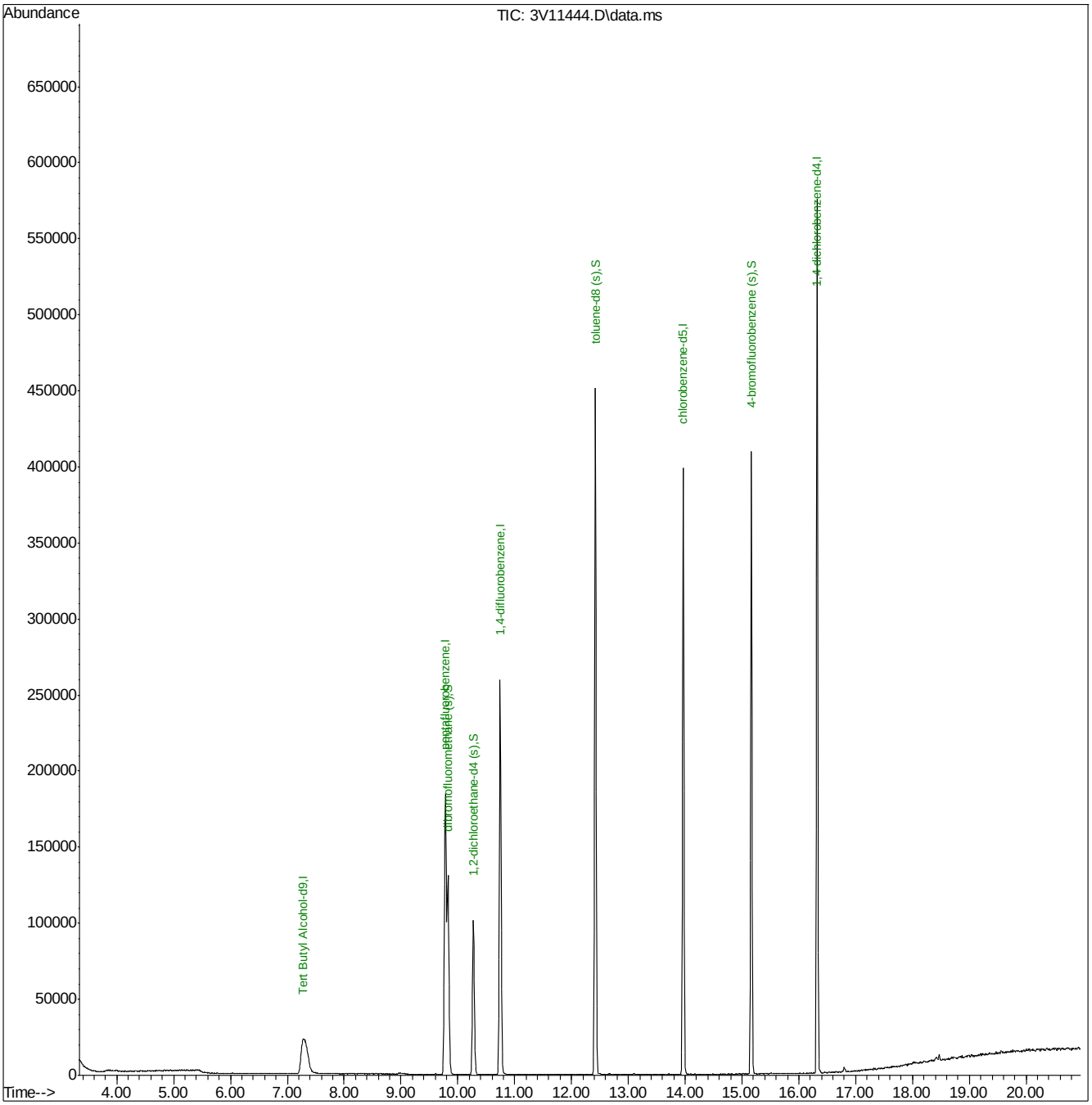
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.274	65	108428	500.00	ug/L	-0.03
5) pentafluorobenzene	9.780	168	178514	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	256972	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	235515	50.00	ug/L	0.00
93)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

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

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:24:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11478.D
Acq On : 6 Jun 2014 10:15 am
Operator : thienn
Sample : mb1
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 13:49:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

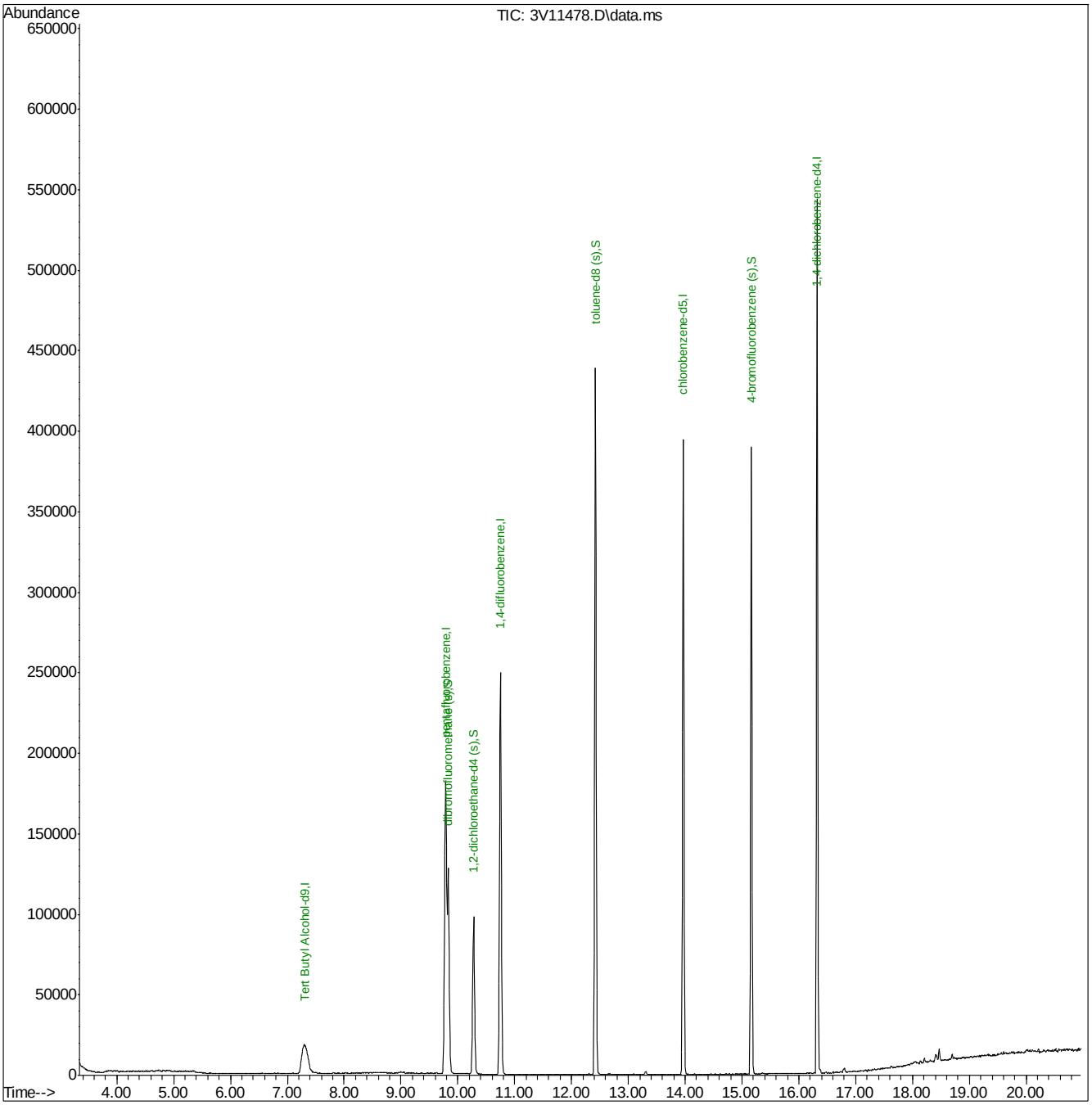
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	78130	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	175112	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	247822	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	229157	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	136308	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	96374	43.50	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.00%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	82352	42.45	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 84.90%			
71) toluene-d8 (s)	12.418	98	313405	51.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.12%			
95) 4-bromofluorobenzene (s)	15.165	95	129301	54.10	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.20%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11478.D
Acq On : 6 Jun 2014 10:15 am
Operator : thienn
Sample : mb1
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 13:49:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

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

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

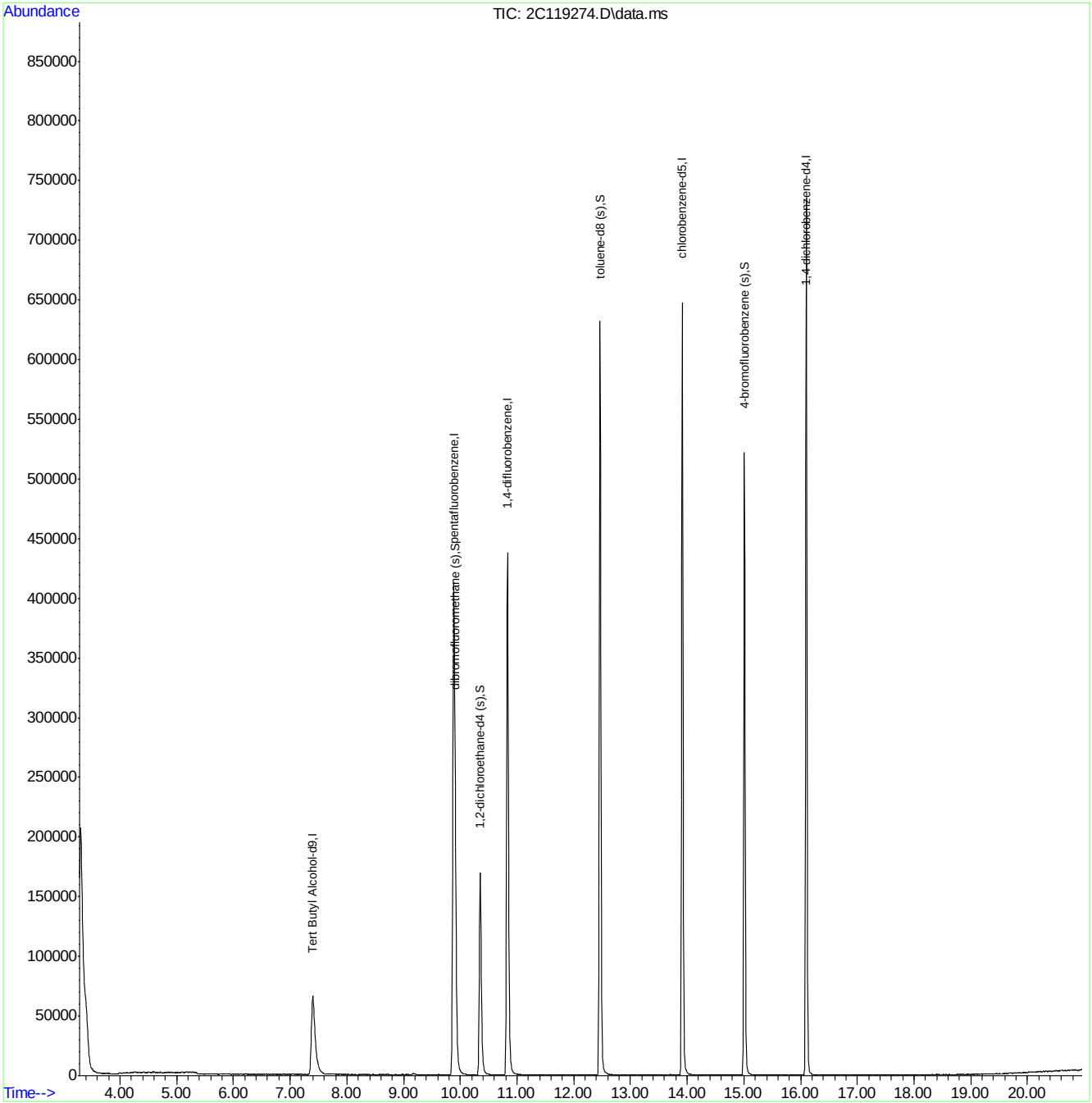
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.397	65	190543	500.00	ug/L	-0.02
5) pentafluorobenzene	9.882	168	390188	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.831	114	449401	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	384980	50.00	ug/L	0.00
107)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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:25:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	102461	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	189939	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	268378	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	242011	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	151412	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	104520	43.49	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.98%				
44) 1,2-dichloroethane-d4 (s)	10.278	65	88109	41.87	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 83.74%				
71) toluene-d8 (s)	12.418	98	336671	50.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.30%				
95) 4-bromofluorobenzene (s)	15.165	95	137789	51.90	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.80%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.511	88	31246	1196.43	ug/L	#	99
4) tertiary butyl alcohol	7.426	59	68541	249.74	ug/L		99
6) chlorodifluoromethane	3.557	51	129846	34.12	ug/L		98
7) dichlorodifluoromethane	3.536	85	212223	42.06	ug/L		99
8) chloromethane	3.866	50	196042	45.14	ug/L		100
9) vinyl chloride	4.128	62	219035	46.85	ug/L		99
10) bromomethane	4.815	94	136674	46.05	ug/L		98
11) chloroethane	4.993	64	75053	48.65	ug/L		98
12) trichlorofluoromethane	5.518	101	231141	44.91	ug/L		99
13) ethyl ether	5.969	74	46148	48.34	ug/L		97
14) 2-chloropropane	6.184	43	175764	47.65	ug/L		99
15) acrolein	6.283	56	206902	541.89	ug/L		98
16) 1,1-dichloroethene	6.430	96	112440	43.72	ug/L		94
17) acetone	6.551	43	26282	39.10	ug/L		96
18) allyl chloride	7.054	76	59484	50.60	ug/L		99
19) acetonitrile	7.059	40	78876	474.92	ug/L	#	70
20) iodomethane	6.745	142	238936	44.49	ug/L		99
21) iso-butyl alcohol	10.142	41	34344	471.87	ug/L		96
22) carbon disulfide	6.860	76	455586	48.02	ug/L		100
23) methylene chloride	7.285	84	125085	41.43	ug/L		96
24) 1-chloropropane	7.306	42	161078	39.19	ug/L		99
25) methyl acetate	7.064	74	12086	45.04	ug/L		98
26) methyl tert butyl ether	7.646	73	574376	92.87	ug/L		99
27) trans-1,2-dichloroethene	7.699	96	111975	41.15	ug/L		99
28) di-isopropyl ether	8.339	45	310110	47.72	ug/L		93
29) ethyl tert-butyl ether	8.858	59	308650	47.35	ug/L		100
30) 2-butanone	9.183	72	10216	48.26	ug/L		100
31) 1,1-dichloroethane	8.365	63	195664	46.95	ug/L		97
32) chloroprene	8.470	53	117643	42.79	ug/L		99
33) acrylonitrile	7.699	53	154634	252.52	ug/L		98
34) vinyl acetate	8.365	86	11968	50.59	ug/L		75
35) ethyl acetate	9.204	45	10243	49.04	ug/L		73

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:25:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	188597	44.73	ug/L		100
37) cis-1,2-dichloroethene	9.198	96	122535	39.49	ug/L		98
38) propionitrile	9.319	54	134047	495.62	ug/L		94
39) methyl acrylate	9.282	55	84899	47.99	ug/L	#	98
40) bromochloromethane	9.544	128	57506	44.94	ug/L		96
41) tetrahydrofuran	9.571	42	27627	48.90	ug/L		99
42) chloroform	9.613	83	192785	42.59	ug/L		100
45) freon 113	6.404	151	103169	44.97	ug/L		99
46) methacrylonitrile	9.497	41	41997	47.85	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	188219	44.67	ug/L		98
48) tert-amyl methyl ether	10.368	73	295380	45.37	ug/L		98
50) epichlorohydrin	12.066	57	39885	266.66	ug/L		95
51) n-butyl alcohol	10.939	56	165051	2739.59	ug/L		99
52) cyclohexane	9.906	84	175591	50.17	ug/L		99
53) carbon tetrachloride	10.063	117	174037	49.06	ug/L		98
54) 1,1-dichloropropene	10.043	75	132424	47.52	ug/L		99
56) ISOOCTANE	10.310	57	362470	45.88	ug/L		96
57) benzene	10.331	78	400042	47.83	ug/L		99
58) heptane	10.504	57	64652	47.80	ug/L		98
59) isopropyl acetate	10.294	43	211283	53.52	ug/L		98
60) 1,2-dichloroethane	10.373	62	114591	48.84	ug/L		98
61) trichloroethene	11.086	95	106168	48.62	ug/L		99
63) 2-nitropropane	11.935	43	161219	57.75	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	244157	318.38	ug/L		99
65) methyl methacrylate	11.280	41	89807	64.80	ug/L		87
66) 1,2-dichloropropane	11.374	63	99835	49.64	ug/L		99
67) methylcyclohexane	11.285	83	173104	48.06	ug/L		94
68) dibromomethane	11.542	93	61739	48.83	ug/L		99
69) bromodichloromethane	11.684	83	132505	49.54	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	145200	48.82	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	33343	53.97	ug/L		99
73) toluene	12.491	92	220268	45.12	ug/L		99
74) 3-methyl-1-butanol	12.297	70	56721	1079.41	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	123263	48.73	ug/L		99
76) ethyl methacrylate	12.711	69	95655	50.76	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	67613	49.46	ug/L		98
78) 2-hexanone	13.115	58	29331	51.99	ug/L		100
80) tetrachloroethene	13.078	166	112530	50.11	ug/L		98
81) 1,3-dichloropropane	13.120	76	117805	51.84	ug/L		99
82) butyl acetate	13.188	56	48717	51.99	ug/L		97
83) dibromochloromethane	13.388	129	104976	50.47	ug/L		97
84) 1,2-dibromoethane	13.534	107	84133	51.80	ug/L		97
86) chlorobenzene	14.001	112	274316	50.29	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	111744	50.00	ug/L		99
88) ethylbenzene	14.053	91	462698	48.67	ug/L		99
89) m,p-xylene	14.164	106	359695	96.54	ug/L		98
90) o-xylene	14.599	106	183366	50.68	ug/L		97
91) styrene	14.614	104	294672	53.35	ug/L		100
92) bromoform	14.898	173	79143	52.10	ug/L		99
94) isopropylbenzene	14.945	105	497491	51.98	ug/L		99

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:25:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

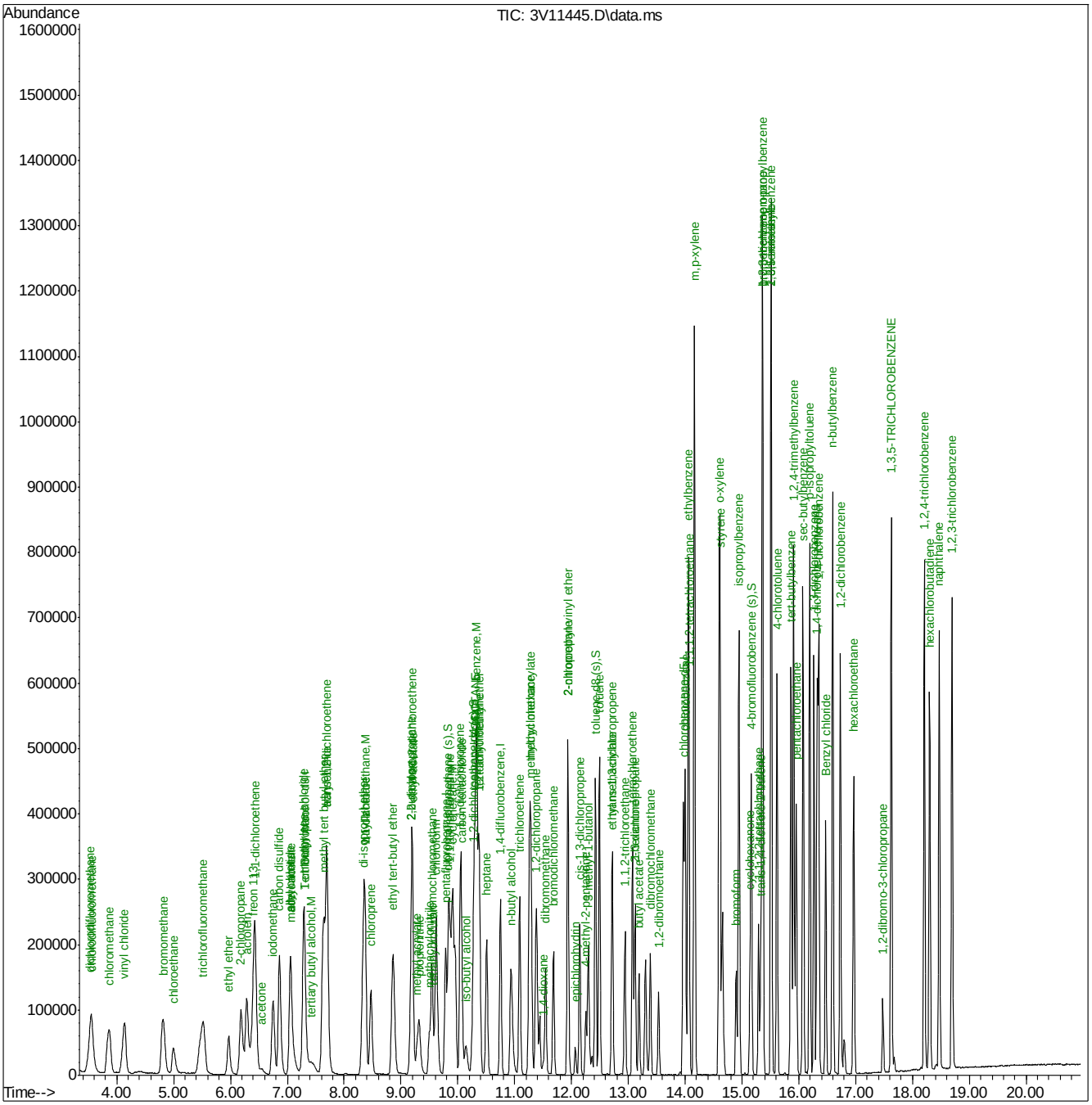
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	135353	51.28	ug/L	99
97)	cyclohexanone	15.144	55	74854	201.24	ug/L	96
98)	1,1,2,2-tetrachloroethane	15.291	83	127572	51.61	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	29211	52.91	ug/L	95
100)	1,2,3-trichloropropane	15.359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

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

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 16:25:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11479.D
Acq On : 6 Jun 2014 10:52 am
Operator : thienn
Sample : bs
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 13:49:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	83476	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	167119	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239313	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	212886	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	132925	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	92508	43.75	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.50%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	79247	42.80	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.60%			
71) toluene-d8 (s)	12.418	98	297829	50.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.50%			
95) 4-bromofluorobenzene (s)	15.165	95	120918	51.88	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.76%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	27156	1276.31	ug/L #	98
4) tertiary butyl alcohol	7.426	59	58360	261.01	ug/L	97
6) chlorodifluoromethane	3.552	51	129144	39.26	ug/L	97
7) dichlorodifluoromethane	3.541	85	211141	47.56	ug/L	99
8) chloromethane	3.866	50	191253	50.05	ug/L	100
9) vinyl chloride	4.128	62	209553	50.95	ug/L	99
10) bromomethane	4.815	94	127476	48.81	ug/L	100
11) chloroethane	4.999	64	71292	52.52	ug/L	100
12) trichlorofluoromethane	5.518	101	231290	51.08	ug/L	99
13) ethyl ether	5.963	74	41544	49.46	ug/L	94
14) 2-chloropropane	6.189	43	173849	53.57	ug/L	99
15) acrolein	6.283	56	155139	461.80	ug/L	100
16) 1,1-dichloroethene	6.425	96	106696	47.15	ug/L	93
17) acetone	6.545	43	23830	40.29	ug/L	95
18) allyl chloride	7.049	76	56276	54.41	ug/L	94
19) acetonitrile	7.064	40	71543	489.59	ug/L	94
20) iodomethane	6.745	142	223477	47.29	ug/L	100
21) iso-butyl alcohol	10.137	41	30689	479.23	ug/L	97
22) carbon disulfide	6.860	76	433328	51.91	ug/L	99
23) methylene chloride	7.285	84	116882	44.00	ug/L	95
24) 1-chloropropane	7.300	42	158699	43.89	ug/L	99
25) methyl acetate	7.064	74	9976	42.25	ug/L	94
26) methyl tert butyl ether	7.636	73	523068	96.12	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	106261	44.38	ug/L	97
28) di-isopropyl ether	8.338	45	289357	50.61	ug/L	90
29) ethyl tert-butyl ether	8.857	59	279394	48.72	ug/L	99
30) 2-butanone	9.183	72	8719	46.81	ug/L	100
31) 1,1-dichloroethane	8.359	63	192544	52.51	ug/L	99
32) chloroprene	8.470	53	109765	45.37	ug/L	98
33) acrylonitrile	7.699	53	136757	253.82	ug/L	99
34) vinyl acetate	8.365	86	10269	49.33	ug/L	51
35) ethyl acetate	9.204	45	8312	45.22	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11479.D
Acq On : 6 Jun 2014 10:52 am
Operator : thienn
Sample : bs
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 13:49:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	2,2-dichloropropane	9.183	77	192212	51.82	ug/L		100
37)	cis-1,2-dichloroethene	9.193	96	113887	41.72	ug/L		94
38)	propionitrile	9.319	54	115818	486.69	ug/L		99
39)	methyl acrylate	9.282	55	74985	48.17	ug/L	#	97
40)	bromochloromethane	9.539	128	53538	47.55	ug/L		93
41)	tetrahydrofuran	9.571	42	24296	48.88	ug/L		97
42)	chloroform	9.612	83	190683	47.88	ug/L		99
45)	freon 113	6.404	151	95279	47.20	ug/L		97
46)	methacrylonitrile	9.497	41	37632	48.74	ug/L		89
47)	1,1,1-trichloroethane	9.848	97	190374	51.36	ug/L		98
48)	tert-amyl methyl ether	10.367	73	264041	46.09	ug/L		94
50)	epichlorohydrin	12.066	57	32645	244.77	ug/L		99
51)	n-butyl alcohol	10.934	56	137205	2553.99	ug/L		98
52)	cyclohexane	9.906	84	171112	54.82	ug/L		95
53)	carbon tetrachloride	10.058	117	174738	55.24	ug/L		99
54)	1,1-dichloropropene	10.042	75	130311	52.44	ug/L		98
56)	ISOOCTANE	10.310	57	342942	48.68	ug/L		97
57)	benzene	10.326	78	389727	52.25	ug/L		99
58)	heptane	10.509	57	59441	49.29	ug/L		97
59)	isopropyl acetate	10.289	43	184837	52.50	ug/L		97
60)	1,2-dichloroethane	10.373	62	110537	52.84	ug/L		100
61)	trichloroethene	11.086	95	102547	52.67	ug/L		99
63)	2-nitropropane	11.935	43	140895	56.60	ug/L		98
64)	2-chloroethyl vinyl ether	11.935	63	208477	304.87	ug/L		99
65)	methyl methacrylate	11.280	41	86269	69.81	ug/L		86
66)	1,2-dichloropropane	11.374	63	97462	54.35	ug/L		96
67)	methylcyclohexane	11.285	83	157735	49.11	ug/L		92
68)	dibromomethane	11.542	93	57558	51.06	ug/L		97
69)	bromodichloromethane	11.683	83	127234	53.35	ug/L		99
70)	cis-1,3-dichloropropene	12.145	75	138440	52.20	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	28822	52.32	ug/L		94
73)	toluene	12.491	92	212632	48.84	ug/L		98
74)	3-methyl-1-butanol	12.297	70	45352	967.88	ug/L		96
75)	trans-1,3-dichloropropene	12.722	75	115658	51.27	ug/L		99
76)	ethyl methacrylate	12.711	69	84889	50.52	ug/L		96
77)	1,1,2-trichloroethane	12.937	83	61989	50.85	ug/L		99
78)	2-hexanone	13.115	58	25027	49.75	ug/L		95
80)	tetrachloroethene	13.078	166	105445	53.38	ug/L		99
81)	1,3-dichloropropane	13.120	76	109299	54.68	ug/L		98
82)	butyl acetate	13.188	56	41865	50.79	ug/L		95
83)	dibromochloromethane	13.387	129	95485	52.19	ug/L		98
84)	1,2-dibromoethane	13.534	107	77272	54.08	ug/L		99
86)	chlorobenzene	13.996	112	260297	54.25	ug/L		97
87)	1,1,1,2-tetrachloroethane	14.069	131	107881	54.88	ug/L		99
88)	ethylbenzene	14.053	91	449906	53.80	ug/L		99
89)	m,p-xylene	14.163	106	345601	105.45	ug/L		99
90)	o-xylene	14.599	106	175412	55.11	ug/L		99
91)	styrene	14.614	104	279297	57.49	ug/L		99
92)	bromoform	14.897	173	70679	52.89	ug/L		100
94)	isopropylbenzene	14.945	105	488137	58.10	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11479.D
Acq On : 6 Jun 2014 10:52 am
Operator : thienn
Sample : bs
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 13:49:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

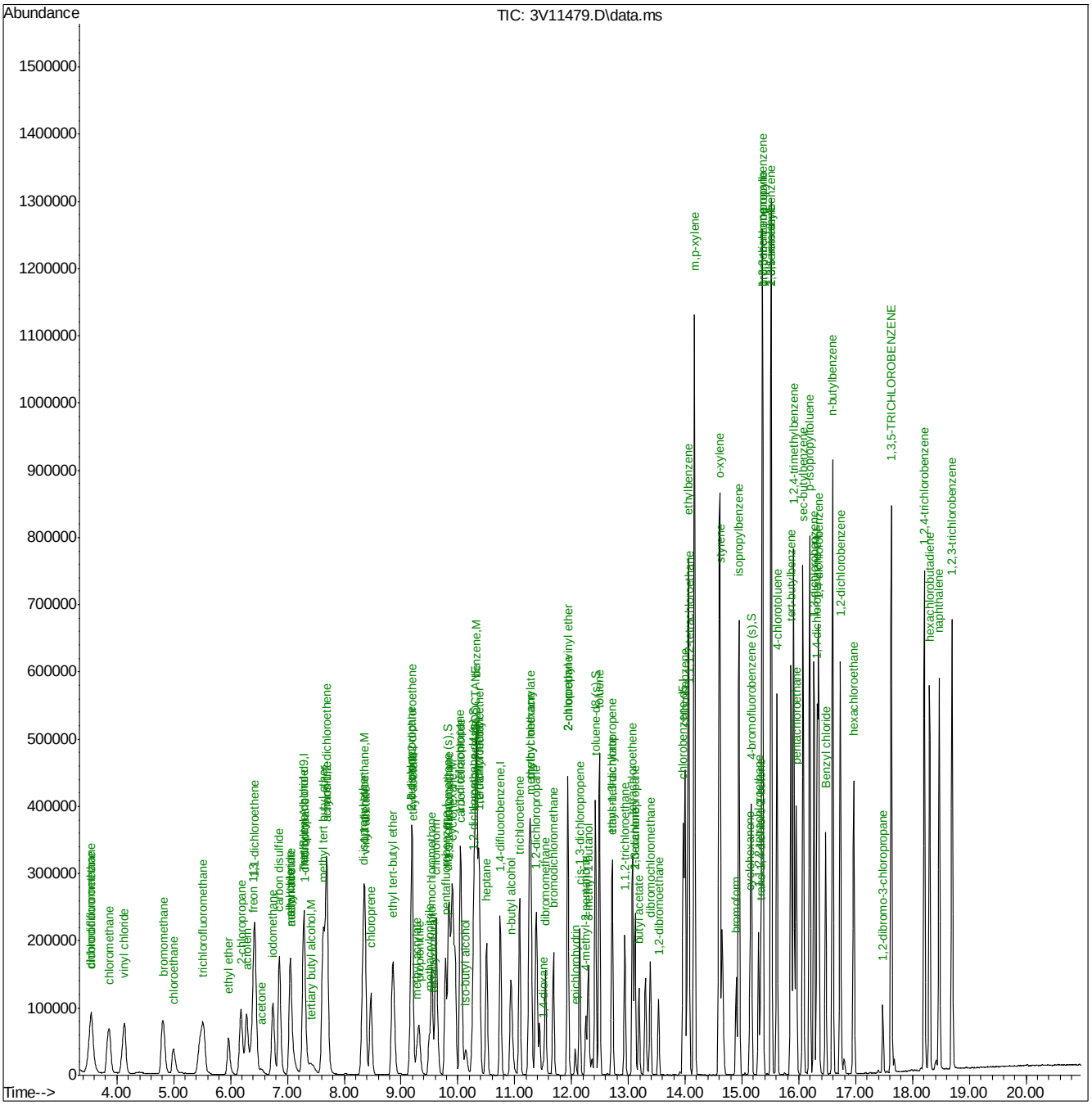
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	126484	54.58	ug/L	98
97)	cyclohexanone	15.144	55	71327	218.42	ug/L	95
98)	1,1,2,2-tetrachloroethane	15.291	83	116448	53.66	ug/L	97
99)	trans-1,4-dichloro-2-b...	15.333	53	27371	56.47	ug/L	96
100)	1,2,3-trichloropropane	15.359	110	24723	52.90	ug/L	98
101)	n-propylbenzene	15.364	91	619562	61.15	ug/L	100
102)	2-chlorotoluene	15.516	126	123284	56.59	ug/L	97
103)	4-chlorotoluene	15.616	91	332150	52.90	ug/L	100
104)	1,3,5-trimethylbenzene	15.516	105	421063	57.80	ug/L	100
105)	tert-butylbenzene	15.862	119	333741	55.69	ug/L	100
106)	pentachloroethane	15.957	167	86152	55.17	ug/L	99
107)	1,2,4-trimethylbenzene	15.909	105	446772	57.99	ug/L	98
108)	sec-butylbenzene	16.072	105	572904	57.34	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	258492	52.67	ug/L	99
110)	p-isopropyltoluene	16.192	119	489561	59.24	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	258964	52.28	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	256848	53.00	ug/L	98
113)	n-butylbenzene	16.596	92	280162	59.34	ug/L	97
114)	1,2-dibromo-3-chloropr...	17.477	75	24554	50.50	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.624	180	269798	55.63	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	238531	52.52	ug/L	99
117)	hexachlorobutadiene	18.300	225	128855	54.49	ug/L	98
118)	naphthalene	18.468	128	454915	50.26	ug/L	100
119)	1,2,3-trichlorobenzene	18.693	180	223683	52.68	ug/L	99
120)	hexachloroethane	16.968	119	97119	54.39	ug/L	99
121)	Benzyl chloride	16.470	91	245865	57.25	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11479.D
Acq On : 6 Jun 2014 10:52 am
Operator : thienn
Sample : bs
Misc : MS68611,V3V489,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 13:49:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

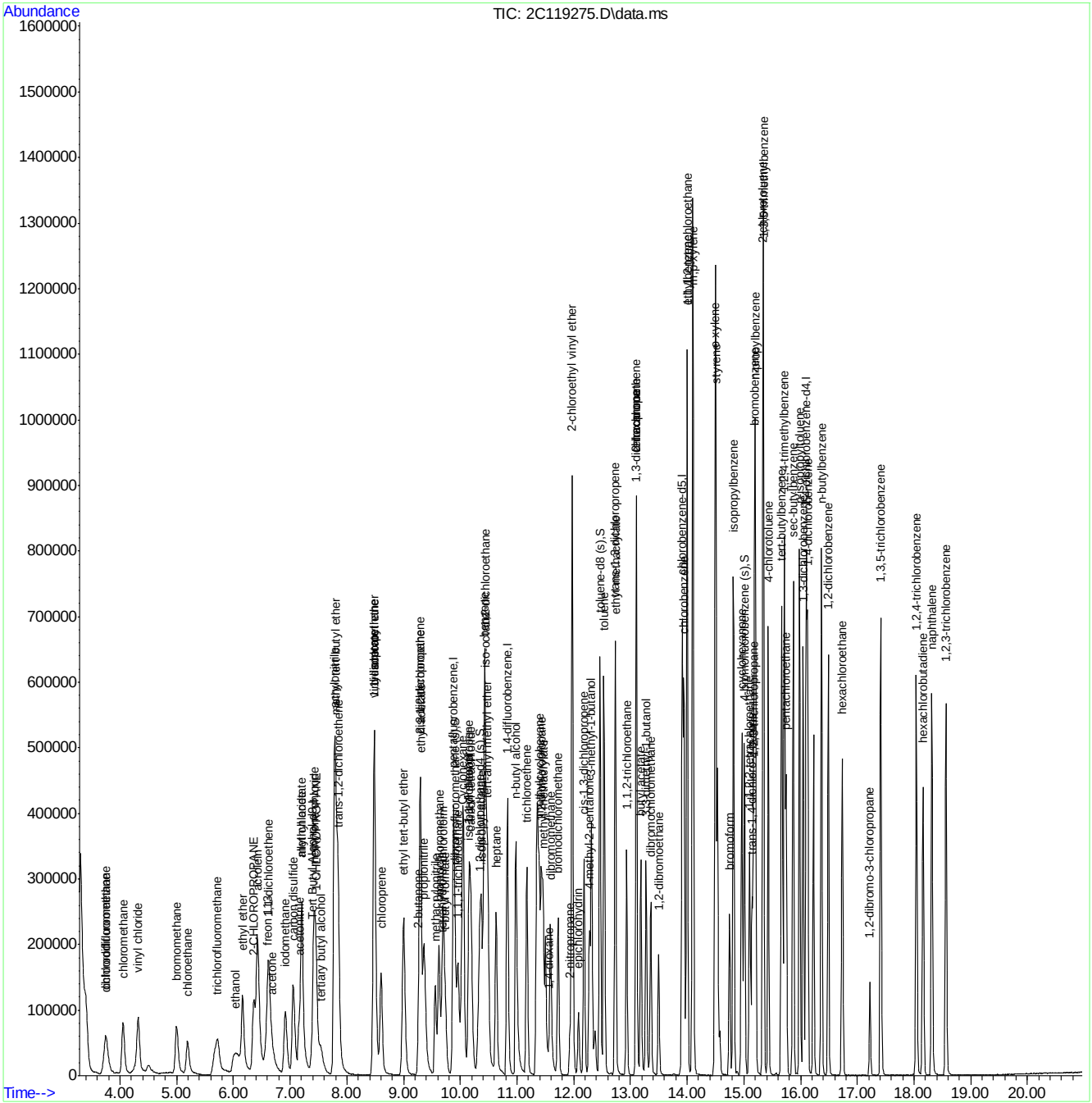
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) bromoform	14.748	173	123047	51.09	ug/L	98
108) isopropylbenzene	14.816	105	522805	50.83	ug/L	99
110) cyclohexanone	14.963	55	235419	481.55	ug/L	99
111) bromobenzene	15.189	156	154151	52.26	ug/L	100
112) 1,1,2,2-tetrachloroethane	15.099	83	183065	49.37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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 14:41:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	93238	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	199976	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	280529	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	253734	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	158114	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109539	43.29	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.58%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	86735	39.15	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 78.30%			
71) toluene-d8 (s)	12.418	98	353434	50.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.74%			
95) 4-bromofluorobenzene (s)	15.165	95	142285	51.32	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.64%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.500	88	24323	1023.47	ug/L #	98
4) tertiary butyl alcohol	7.432	59	55153	220.84	ug/L	98
6) chlorodifluoromethane	3.552	51	126269	31.10	ug/L	95
7) dichlorodifluoromethane	3.536	85	108133	20.36	ug/L	98
8) chloromethane	3.861	50	199754	43.69	ug/L	100
9) vinyl chloride	4.129	62	213134	43.30	ug/L	99
10) bromomethane	4.815	94	141024	45.13	ug/L	98
11) chloroethane	4.994	64	77471	47.69	ug/L	98
12) trichlorofluoromethane	5.508	101	173622	32.04	ug/L	99
13) ethyl ether	5.969	74	43617	43.39	ug/L	96
14) 2-chloropropane	6.184	43	162992	41.97	ug/L	98
15) acrolein	6.289	56	147064	365.84	ug/L	99
16) 1,1-dichloroethene	6.436	96	103697	38.30	ug/L	97
17) acetone	6.540	43	35037	49.50	ug/L	98
18) allyl chloride	7.054	76	45779	36.99	ug/L	95
19) acetonitrile	7.065	40	60886	348.20	ug/L	90
20) iodomethane	6.745	142	240262	42.49	ug/L	98
21) iso-butyl alcohol	10.142	41	28266	368.87	ug/L	97
22) carbon disulfide	6.860	76	413896	41.43	ug/L	99
23) methylene chloride	7.285	84	123873	38.97	ug/L	95
24) 1-chloropropane	7.306	42	161968	37.43	ug/L	99
25) methyl acetate	7.059	74	11097	39.28	ug/L	97
26) methyl tert butyl ether	7.641	73	286350	43.98	ug/L	100
27) trans-1,2-dichloroethene	7.699	96	113269	39.54	ug/L	99
28) di-isopropyl ether	8.334	45	292507	42.75	ug/L	98
29) ethyl tert-butyl ether	8.863	59	289443	42.18	ug/L	99
30) 2-butanone	9.183	72	8730	39.17	ug/L	90
31) 1,1-dichloroethane	8.365	63	197198	44.94	ug/L	99
32) chloroprene	8.470	53	114909	39.69	ug/L	100
33) acrylonitrile	7.699	53	130488	202.39	ug/L	96
34) vinyl acetate	8.365	86	8314	33.38	ug/L	32
35) ethyl acetate	9.199	45	7908	35.96	ug/L	29

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 14:41:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	2,2-dichloropropane	9.183	77	130634	29.43	ug/L		99
37)	cis-1,2-dichloroethene	9.199	96	124538	38.12	ug/L		100
38)	propionitrile	9.319	54	108806	382.10	ug/L		93
39)	methyl acrylate	9.283	55	73086	39.24	ug/L	#	98
40)	bromochloromethane	9.539	128	57089	42.37	ug/L		95
41)	tetrahydrofuran	9.566	42	23880	40.15	ug/L		98
42)	chloroform	9.613	83	193938	40.70	ug/L		99
45)	freon 113	6.404	151	49286	20.40	ug/L		91
46)	methacrylonitrile	9.497	41	36759	39.78	ug/L		95
47)	1,1,1-trichloroethane	9.854	97	184098	41.50	ug/L		98
48)	tert-amyl methyl ether	10.373	73	269576	39.32	ug/L		98
50)	epichlorohydrin	12.067	57	26001	166.31	ug/L		98
51)	n-butyl alcohol	10.934	56	125664	1995.48	ug/L		97
52)	cyclohexane	9.906	84	103719	28.35	ug/L		87
53)	carbon tetrachloride	10.064	117	157745	42.54	ug/L		99
54)	1,1-dichloropropene	10.048	75	129896	44.60	ug/L		99
55)	hexane	8.029	57	39000	16.83	ug/L		96
56)	ISOOCTANE	10.310	57	107071	12.96	ug/L		98
57)	benzene	10.331	78	403749	46.18	ug/L		100
58)	heptane	10.509	57	19853	14.04	ug/L		98
59)	isopropyl acetate	10.289	43	126456	30.64	ug/L		88
60)	1,2-dichloroethane	10.373	62	109620	44.70	ug/L		98
61)	trichloroethene	11.086	95	103770	45.46	ug/L		99
63)	2-nitropropane	11.935	43	132818	45.51	ug/L		99
64)	2-chloroethyl vinyl ether	11.935	63	199810	249.27	ug/L		98
65)	methyl methacrylate	11.285	41	31130	21.49	ug/L		97
66)	1,2-dichloropropane	11.374	63	101318	48.20	ug/L		97
67)	methylcyclohexane	11.285	83	79829	21.20	ug/L		96
68)	dibromomethane	11.542	93	58627	44.36	ug/L		97
69)	bromodichloromethane	11.684	83	130457	46.67	ug/L		98
70)	cis-1,3-dichloropropene	12.145	75	137460	44.22	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	28507	44.15	ug/L		97
73)	toluene	12.491	92	223390	43.78	ug/L		97
74)	3-methyl-1-butanol	12.297	70	42694	777.28	ug/L		97
75)	trans-1,3-dichloropropene	12.722	75	116116	43.91	ug/L		100
76)	ethyl methacrylate	12.711	69	90737	46.06	ug/L		97
77)	1,1,2-trichloroethane	12.937	83	64553	45.17	ug/L		99
78)	2-hexanone	13.115	58	25300	42.90	ug/L		95
80)	tetrachloroethene	13.078	166	103374	43.91	ug/L		97
81)	1,3-dichloropropane	13.120	76	112075	47.04	ug/L		99
82)	butyl acetate	13.189	56	40455	41.18	ug/L		96
83)	dibromochloromethane	13.388	129	102097	46.82	ug/L		98
84)	1,2-dibromoethane	13.535	107	79505	46.69	ug/L		99
86)	chlorobenzene	14.001	112	268616	46.97	ug/L		99
87)	1,1,1,2-tetrachloroethane	14.069	131	112076	47.83	ug/L		99
88)	ethylbenzene	14.054	91	456832	45.84	ug/L		98
89)	m,p-xylene	14.164	106	348568	89.23	ug/L		99
90)	o-xylene	14.599	106	184141	48.54	ug/L		100
91)	styrene	14.615	104	291515	50.34	ug/L		99
92)	bromoform	14.898	173	72719	45.66	ug/L		99

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 14:41:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

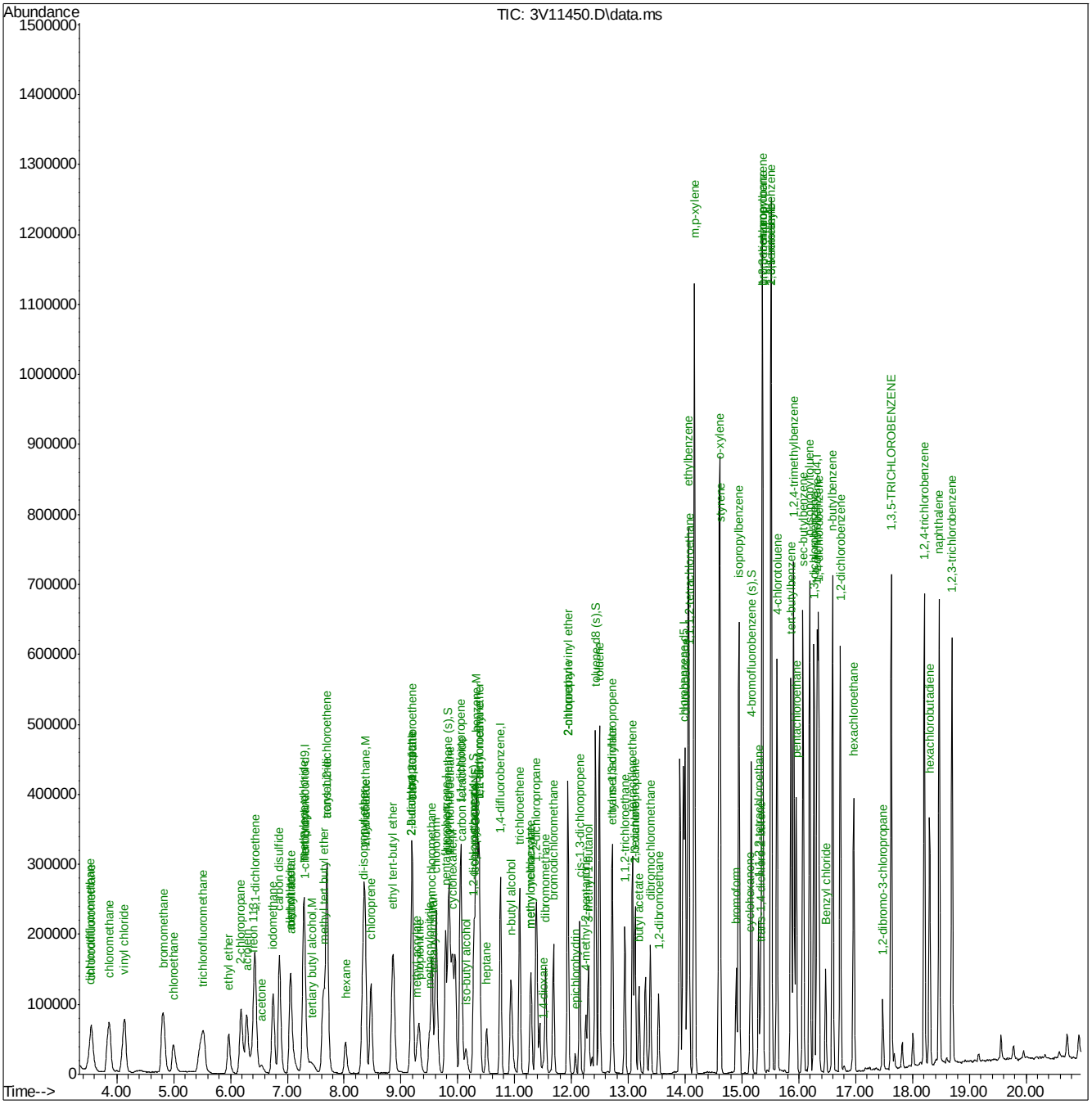
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	476350	47.67	ug/L	99
96) bromobenzene	15.359	156	129364	46.93	ug/L	99
97) cyclohexanone	15.144	55	35189	90.59	ug/L	94
98) 1,1,2,2-tetrachloroethane	15.291	83	119588	46.33	ug/L	98
99) trans-1,4-dichloro-2-b...	15.328	53	22811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

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

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 14:41:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 15:08:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	92257	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	204209	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	290455	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	258024	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	157943	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	111582	43.18	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.36%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	89722	39.66	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 79.32%			
71) toluene-d8 (s)	12.418	98	359216	49.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 99.88%			
95) 4-bromofluorobenzene (s)	15.165	95	143799	51.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.86%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.506	88	25609	1089.04	ug/L #	96
4) tertiary butyl alcohol	7.426	59	56413	228.28	ug/L	96
6) chlorodifluoromethane	3.557	51	132028	31.97	ug/L	95
7) dichlorodifluoromethane	3.547	85	112803	20.79	ug/L	100
8) chloromethane	3.866	50	207113	44.36	ug/L	99
9) vinyl chloride	4.134	62	218832	43.54	ug/L	99
10) bromomethane	4.815	94	144282	45.21	ug/L	96
11) chloroethane	4.994	64	80241	48.37	ug/L	97
12) trichlorofluoromethane	5.518	101	176394	31.88	ug/L	99
13) ethyl ether	5.964	74	44773	43.62	ug/L	99
14) 2-chloropropane	6.184	43	166781	42.06	ug/L	98
15) acrolein	6.289	56	147176	358.53	ug/L	99
16) 1,1-dichloroethene	6.430	96	106760	38.61	ug/L	94
17) acetone	6.546	43	35579	49.23	ug/L	96
18) allyl chloride	7.054	76	46191	36.55	ug/L	91
19) acetonitrile	7.070	40	62005	347.25	ug/L	88
20) iodomethane	6.745	142	246414	42.68	ug/L	99
21) iso-butyl alcohol	10.142	41	26943	344.32	ug/L	98
22) carbon disulfide	6.860	76	425823	41.74	ug/L	99
23) methylene chloride	7.290	84	127094	39.16	ug/L	95
24) 1-chloropropane	7.306	42	168191	38.07	ug/L	99
25) methyl acetate	7.065	74	11799	40.90	ug/L	97
26) methyl tert butyl ether	7.641	73	295754	44.48	ug/L	100
27) trans-1,2-dichloroethene	7.699	96	116815	39.93	ug/L	99
28) di-isopropyl ether	8.334	45	296524	42.44	ug/L	96
29) ethyl tert-butyl ether	8.858	59	295517	42.17	ug/L	99
30) 2-butanone	9.188	72	8690	38.18	ug/L	95
31) 1,1-dichloroethane	8.365	63	203258	45.36	ug/L	99
32) chloroprene	8.475	53	117224	39.65	ug/L	98
33) acrylonitrile	7.699	53	134313	204.01	ug/L	99
34) vinyl acetate	8.365	86	8531	33.54	ug/L	77
35) ethyl acetate	9.199	45	7953	35.41	ug/L	30

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 15:08:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	131215	28.95	ug/L		99
37) cis-1,2-dichloroethene	9.199	96	126746	38.00	ug/L		98
38) propionitrile	9.319	54	111617	383.85	ug/L		93
39) methyl acrylate	9.282	55	75171	39.52	ug/L	#	99
40) bromochloromethane	9.539	128	59062	42.93	ug/L		95
41) tetrahydrofuran	9.571	42	24006	39.53	ug/L		99
42) chloroform	9.613	83	198154	40.72	ug/L		99
45) freon 113	6.409	151	50049	20.29	ug/L		98
46) methacrylonitrile	9.497	41	38092	40.37	ug/L		96
47) 1,1,1-trichloroethane	9.854	97	186015	41.07	ug/L		98
48) tert-amyl methyl ether	10.368	73	276105	39.44	ug/L		97
50) epichlorohydrin	12.067	57	26318	162.58	ug/L		98
51) n-butyl alcohol	10.934	56	130422	2000.26	ug/L		98
52) cyclohexane	9.906	84	106400	28.09	ug/L		93
53) carbon tetrachloride	10.064	117	161093	41.96	ug/L		98
54) 1,1-dichloropropene	10.043	75	132860	44.06	ug/L		98
55) hexane	8.024	57	40121	16.72	ug/L		96
56) ISOOCTANE	10.305	57	108335	12.67	ug/L		98
57) benzene	10.331	78	413363	45.67	ug/L		99
58) heptane	10.504	57	20400	13.94	ug/L		99
59) isopropyl acetate	10.294	43	130926	30.64	ug/L		90
60) 1,2-dichloroethane	10.373	62	111406	43.88	ug/L		97
61) trichloroethene	11.086	95	105853	44.79	ug/L		98
63) 2-nitropropane	11.935	43	133392	44.15	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	200451	241.52	ug/L		99
65) methyl methacrylate	11.285	41	31377	20.92	ug/L		96
66) 1,2-dichloropropane	11.374	63	102651	47.16	ug/L		95
67) methylcyclohexane	11.285	83	80907	20.76	ug/L		97
68) dibromomethane	11.542	93	59925	43.80	ug/L		99
69) bromodichloromethane	11.684	83	133224	46.03	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	140368	43.61	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	29249	43.75	ug/L		99
73) toluene	12.491	92	226390	42.85	ug/L		99
74) 3-methyl-1-butanol	12.297	70	43711	768.60	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	117228	42.82	ug/L		99
76) ethyl methacrylate	12.711	69	92294	45.25	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	65746	44.44	ug/L		98
78) 2-hexanone	13.115	58	25977	42.55	ug/L		98
80) tetrachloroethene	13.078	166	105178	43.93	ug/L		99
81) 1,3-dichloropropane	13.120	76	114955	47.45	ug/L		100
82) butyl acetate	13.189	56	39749	39.79	ug/L		97
83) dibromochloromethane	13.388	129	102907	46.40	ug/L		98
84) 1,2-dibromoethane	13.535	107	80734	46.62	ug/L		99
86) chlorobenzene	14.001	112	272990	46.94	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	113978	47.83	ug/L		99
88) ethylbenzene	14.054	91	460077	45.39	ug/L		99
89) m,p-xylene	14.164	106	353848	89.08	ug/L		99
90) o-xylene	14.599	106	185677	48.13	ug/L		98
91) styrene	14.615	104	293343	49.82	ug/L		100
92) bromoform	14.898	173	73673	45.49	ug/L		97

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 15:08:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

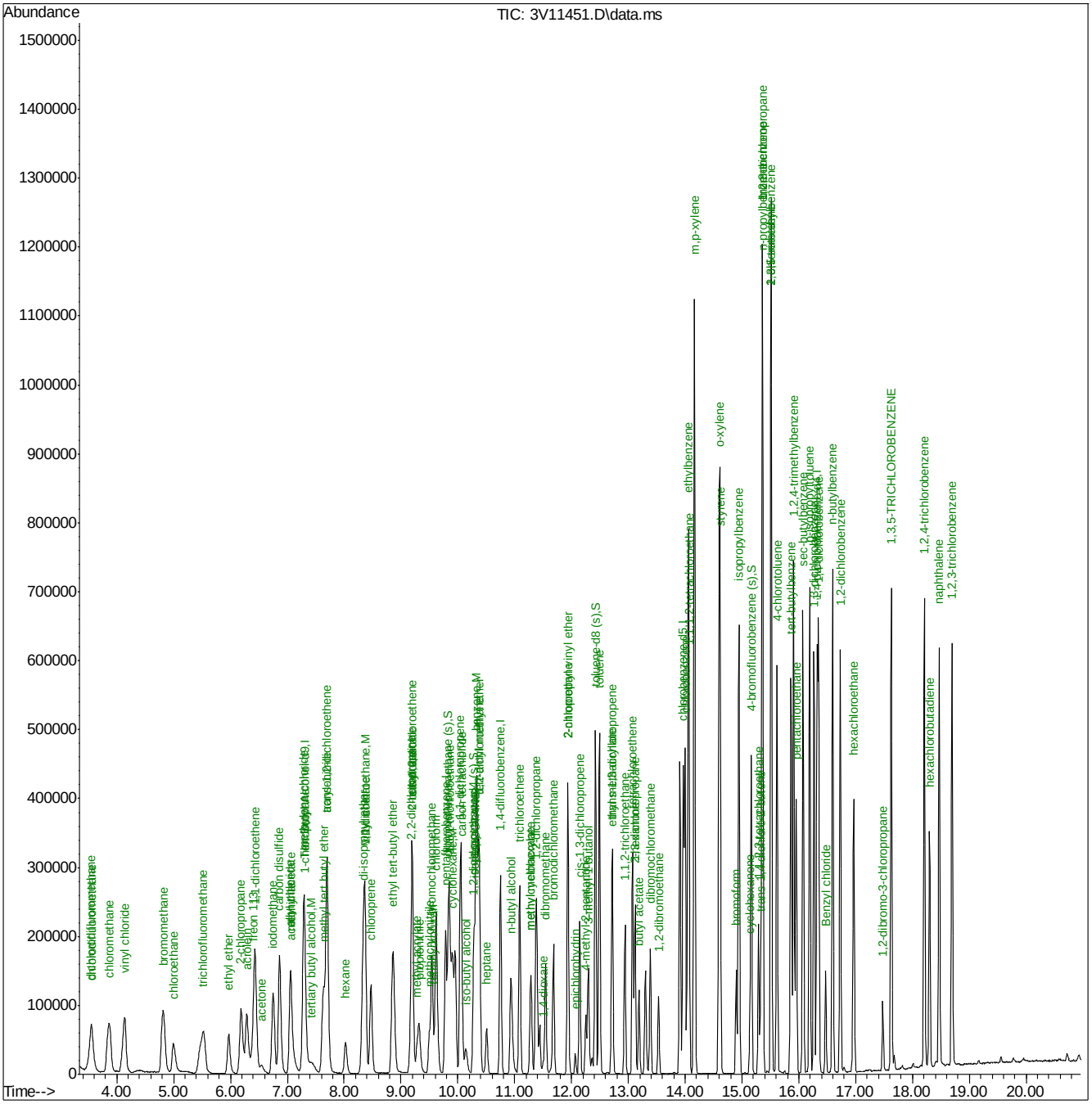
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	483781	48.46	ug/L	99
96) bromobenzene	15.359	156	130723	47.47	ug/L	96
97) cyclohexanone	15.144	55	35391	91.21	ug/L	96
98) 1,1,2,2-tetrachloroethane	15.291	83	120770	46.84	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	22745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

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

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 05 15:08:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11490.D
Acq On : 6 Jun 2014 3:45 pm
Operator : thienn
Sample : jb68403-5ms
Misc : MS68611,V3V489,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 13:53:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.300	65	66019	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.786	168	161504	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	235255	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	208182	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	129084	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	92019	45.03	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.06%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	78549	43.90	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 87.80%			
71) toluene-d8 (s)	12.418	98	296749	50.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.86%			
95) 4-bromofluorobenzene (s)	15.165	95	118989	52.57	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.14%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	22620	1344.23	ug/L	99
4) tertiary butyl alcohol	7.421	59	47937	271.08	ug/L	93
6) chlorodifluoromethane	3.557	51	154763	49.97	ug/L	97
7) dichlorodifluoromethane	3.541	85	161314	37.60	ug/L	98
8) chloromethane	3.866	50	183505	49.69	ug/L	99
9) vinyl chloride	4.123	62	168255	42.33	ug/L	99
10) bromomethane	4.810	94	110003	43.59	ug/L	99
11) chloroethane	5.004	64	58141	44.32	ug/L	99
12) trichlorofluoromethane	5.513	101	176653	40.37	ug/L	99
13) ethyl ether	5.969	74	37772	46.53	ug/L	89
14) 2-chloropropane	6.189	43	156778	49.99	ug/L	99
15) acrolein	6.283	56	163358	503.18	ug/L	97
16) 1,1-dichloroethene	6.435	96	92133	42.13	ug/L	93
17) acetone	6.551	43	20038	35.06	ug/L	94
18) allyl chloride	7.054	76	44893	44.91	ug/L	87
19) acetonitrile	7.070	40	62514	442.67	ug/L	92
20) iodomethane	6.745	142	207981	45.54	ug/L	98
21) iso-butyl alcohol	10.142	41	24347	393.42	ug/L	97
22) carbon disulfide	6.865	76	375932	46.60	ug/L	99
23) methylene chloride	7.290	84	112956	44.00	ug/L	93
24) 1-chloropropane	7.306	42	156310	44.73	ug/L	98
25) methyl acetate	7.059	74	10238	44.87	ug/L #	85
26) methyl tert butyl ether	7.641	73	253329	48.17	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	101324	43.79	ug/L	97
28) di-isopropyl ether	8.333	45	311975	56.46	ug/L	97
29) ethyl tert-butyl ether	8.863	59	301236	54.35	ug/L	97
30) 2-butanone	9.183	72	7167	39.81	ug/L	76
31) 1,1-dichloroethane	8.365	63	186411	52.61	ug/L	98
32) chloroprene	8.470	53	121974	52.17	ug/L	96
33) acrylonitrile	7.699	53	113138	217.28	ug/L	98
34) vinyl acetate	8.375	86	8409	41.80	ug/L	89
35) ethyl acetate	9.204	45	8179	46.05	ug/L	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11490.D
Acq On : 6 Jun 2014 3:45 pm
Operator : thienn
Sample : jb68403-5ms
Misc : MS68611,V3V489,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 13:53:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	161905	45.16	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	110095	41.73	ug/L		95
38) propionitrile	9.319	54	91313	397.06	ug/L		93
39) methyl acrylate	9.288	55	62269	41.39	ug/L	#	97
40) bromochloromethane	9.544	128	49919	45.88	ug/L		90
41) tetrahydrofuran	9.571	42	22239	46.30	ug/L		95
42) chloroform	9.613	83	181584	47.18	ug/L		99
45) freon 113	6.414	151	80212	41.12	ug/L		99
46) methacrylonitrile	9.503	41	33231	44.53	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	175981	49.12	ug/L		98
48) tert-amyl methyl ether	10.373	73	269830	48.74	ug/L		96
50) epichlorohydrin	12.066	57	26538	202.41	ug/L		98
51) n-butyl alcohol	10.934	56	109722	2077.64	ug/L		94
52) cyclohexane	9.906	84	134431	43.81	ug/L		93
53) carbon tetrachloride	10.064	117	150253	48.32	ug/L		98
54) 1,1-dichloropropene	10.048	75	120939	49.51	ug/L		98
55) hexane	8.029	57	93693	48.20	ug/L		99
56) ISOOCTANE	10.310	57	301958	43.60	ug/L		96
57) benzene	10.331	78	370433	50.52	ug/L		99
58) heptane	10.509	57	53202	44.87	ug/L		96
59) isopropyl acetate	10.294	43	157934	45.64	ug/L		99
60) 1,2-dichloroethane	10.373	62	105567	51.33	ug/L		99
61) trichloroethene	11.091	95	94998	49.63	ug/L		97
63) 2-nitropropane	11.935	43	135614	55.41	ug/L		97
64) 2-chloroethyl vinyl ether	11.935	63	200579	298.38	ug/L		99
65) methyl methacrylate	11.290	41	58607	48.24	ug/L		91
66) 1,2-dichloropropane	11.374	63	93418	52.99	ug/L		97
67) methylcyclohexane	11.290	83	139810	44.28	ug/L		98
68) dibromomethane	11.542	93	52773	47.62	ug/L		97
69) bromodichloromethane	11.684	83	121899	52.00	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	131391	50.40	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	24354	44.97	ug/L		94
73) toluene	12.496	92	198944	46.49	ug/L		99
74) 3-methyl-1-butanol	12.297	70	36541	793.29	ug/L		93
75) trans-1,3-dichloropropene	12.722	75	111060	50.08	ug/L		97
76) ethyl methacrylate	12.711	69	77419	46.86	ug/L		98
77) 1,1,2-trichloroethane	12.937	83	56433	47.09	ug/L		98
78) 2-hexanone	13.115	58	20412	41.28	ug/L		91
80) tetrachloroethene	13.078	166	92590	47.93	ug/L		98
81) 1,3-dichloropropane	13.120	76	100972	51.65	ug/L		99
82) butyl acetate	13.188	56	38481	47.74	ug/L		90
83) dibromochloromethane	13.388	129	88862	49.66	ug/L		98
84) 1,2-dibromoethane	13.534	107	67305	48.17	ug/L		99
86) chlorobenzene	14.001	112	237989	50.72	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	101951	53.03	ug/L		100
88) ethylbenzene	14.053	91	416321	50.91	ug/L		98
89) m,p-xylene	14.164	106	314444	98.11	ug/L		97
90) o-xylene	14.599	106	164017	52.69	ug/L		98
91) styrene	14.615	104	259017	54.52	ug/L		98
92) bromoform	14.898	173	61275	46.89	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11490.D
Acq On : 6 Jun 2014 3:45 pm
Operator : thienn
Sample : jb68403-5ms
Misc : MS68611,V3V489,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 13:53:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

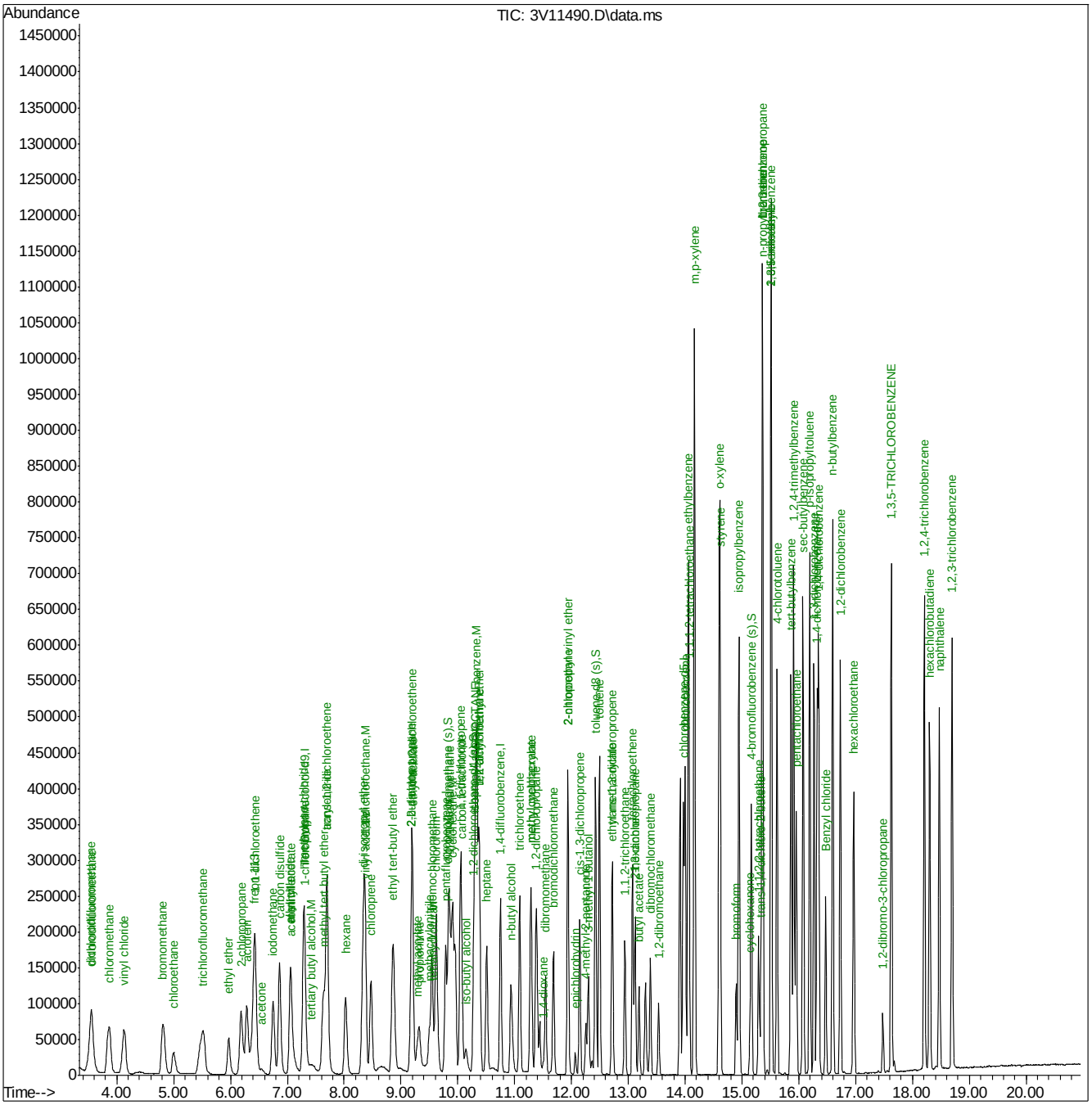
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	434183	53.22	ug/L	98
96) bromobenzene	15.359	156	115826	51.47	ug/L	99
97) cyclohexanone	15.144	55	27853	87.83	ug/L	95
98) 1,1,2,2-tetrachloroethane	15.291	83	104598	49.63	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	22882	48.61	ug/L	91
100) 1,2,3-trichloropropane	15.359	110	21598	47.59	ug/L	98
101) n-propylbenzene	15.364	91	529886	53.85	ug/L	99
102) 2-chlorotoluene	15.516	126	113456	53.63	ug/L	99
103) 4-chlorotoluene	15.616	91	323323	53.02	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	386241	54.60	ug/L	99
105) tert-butylbenzene	15.862	119	298945	51.37	ug/L	100
106) pentachloroethane	15.957	167	78772	51.94	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	394221	52.69	ug/L	98
108) sec-butylbenzene	16.072	105	508099	52.36	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	237764	49.89	ug/L	99
110) p-isopropyltoluene	16.193	119	429553	53.52	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	237149	49.30	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	234486	49.82	ug/L	99
113) n-butylbenzene	16.596	92	238841	52.09	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	20822	44.10	ug/L	89
115) 1,3,5-TRICHLOROBENZENE	17.629	180	232224	49.31	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	213792	48.47	ug/L	99
117) hexachlorobutadiene	18.300	225	107585	46.85	ug/L	98
118) naphthalene	18.473	128	393209	44.73	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	197888	47.99	ug/L	100
120) hexachloroethane	16.963	119	89388	51.55	ug/L	99
121) Benzyl chloride	16.471	91	172603	41.39	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11490.D
Acq On : 6 Jun 2014 3:45 pm
Operator : thienn
Sample : jb68403-5ms
Misc : MS68611,V3V489,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 13:53:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration



M3V474.M Tue Jun 10 14:00:22 2014 GCMS3V Page: 4

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

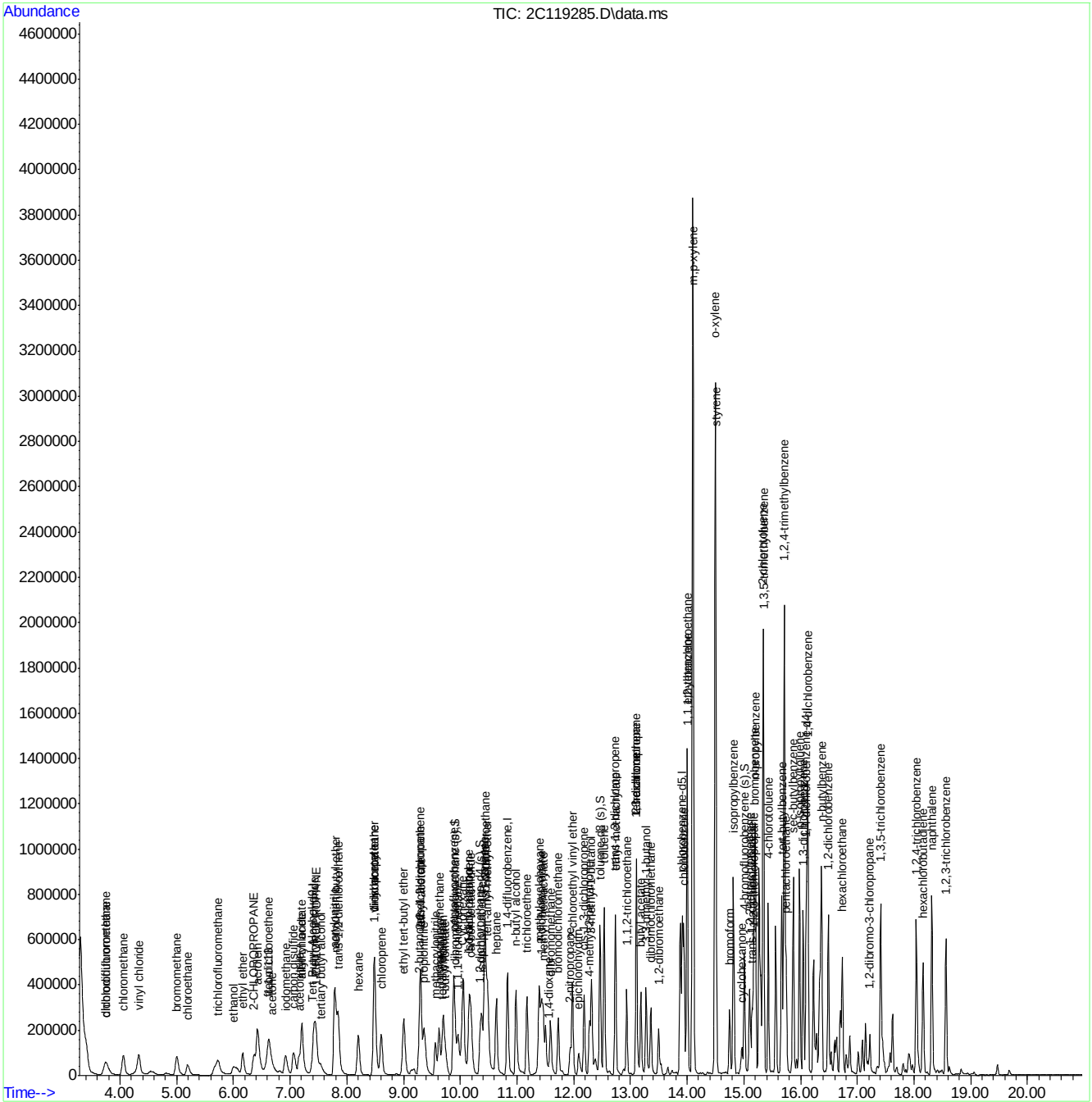
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.502	104	389289	57.00	ug/L	67
106) bromoform	14.748	173	134337	55.48	ug/L	98
108) isopropylbenzene	14.816	105	598026	55.93	ug/L	100
110) cyclohexanone	14.963	55	60152	118.35	ug/L	98
111) bromobenzene	15.188	156	168614	54.98	ug/L	92
112) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

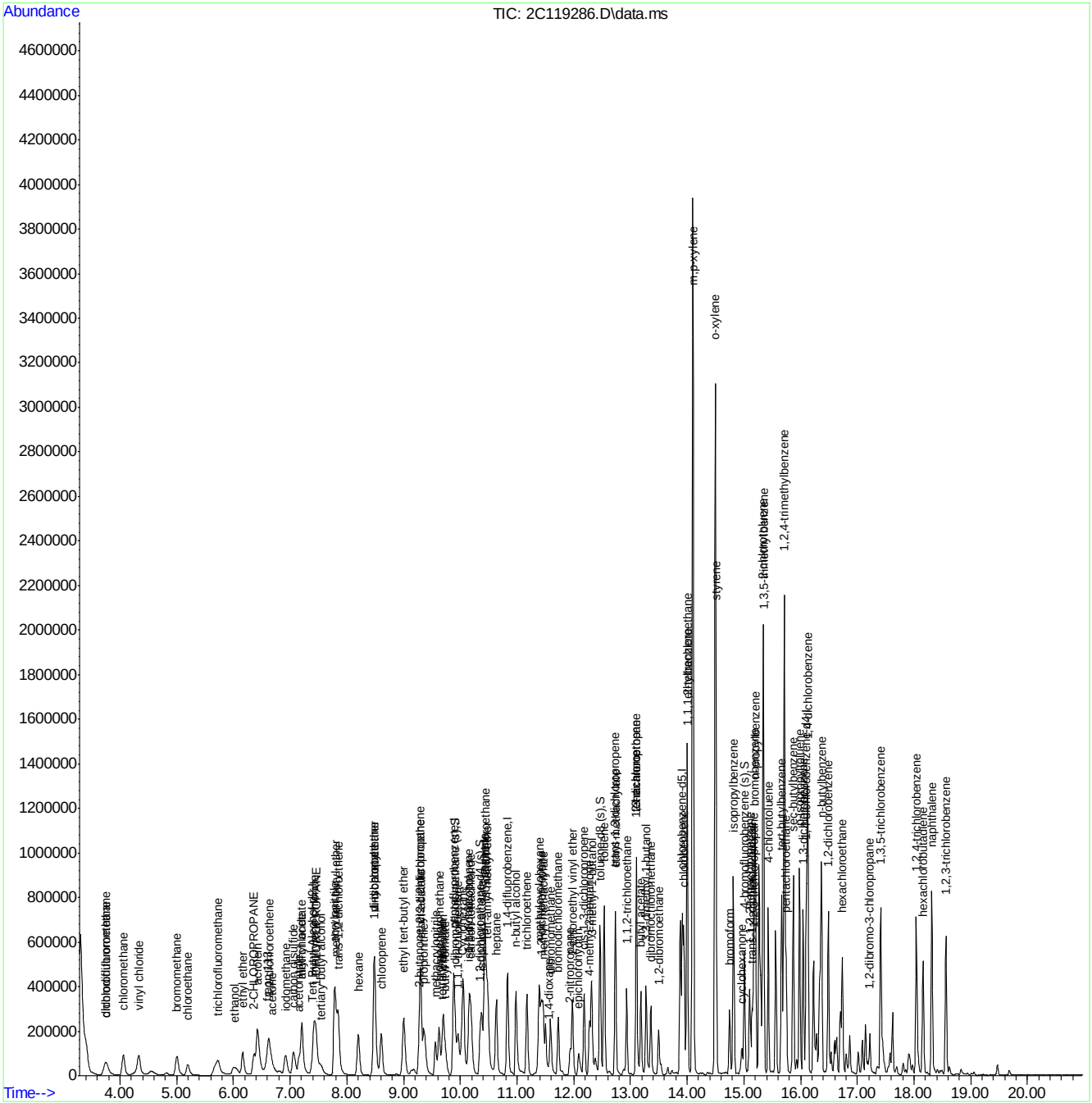
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	401549	57.40	ug/L	86
106) bromoform	14.748	173	136437	55.01	ug/L	99
108) isopropylbenzene	14.816	105	613336	56.65	ug/L	100
110) cyclohexanone	14.963	55	61326	119.18	ug/L	98
111) bromobenzene	15.188	156	173091	55.74	ug/L	90
112) 1,1,2,2-tetrachloroethane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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11489.D
Acq On : 6 Jun 2014 3:19 pm
Operator : thienn
Sample : jb68403-4dup
Misc : MS68611,V3V489,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 13:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

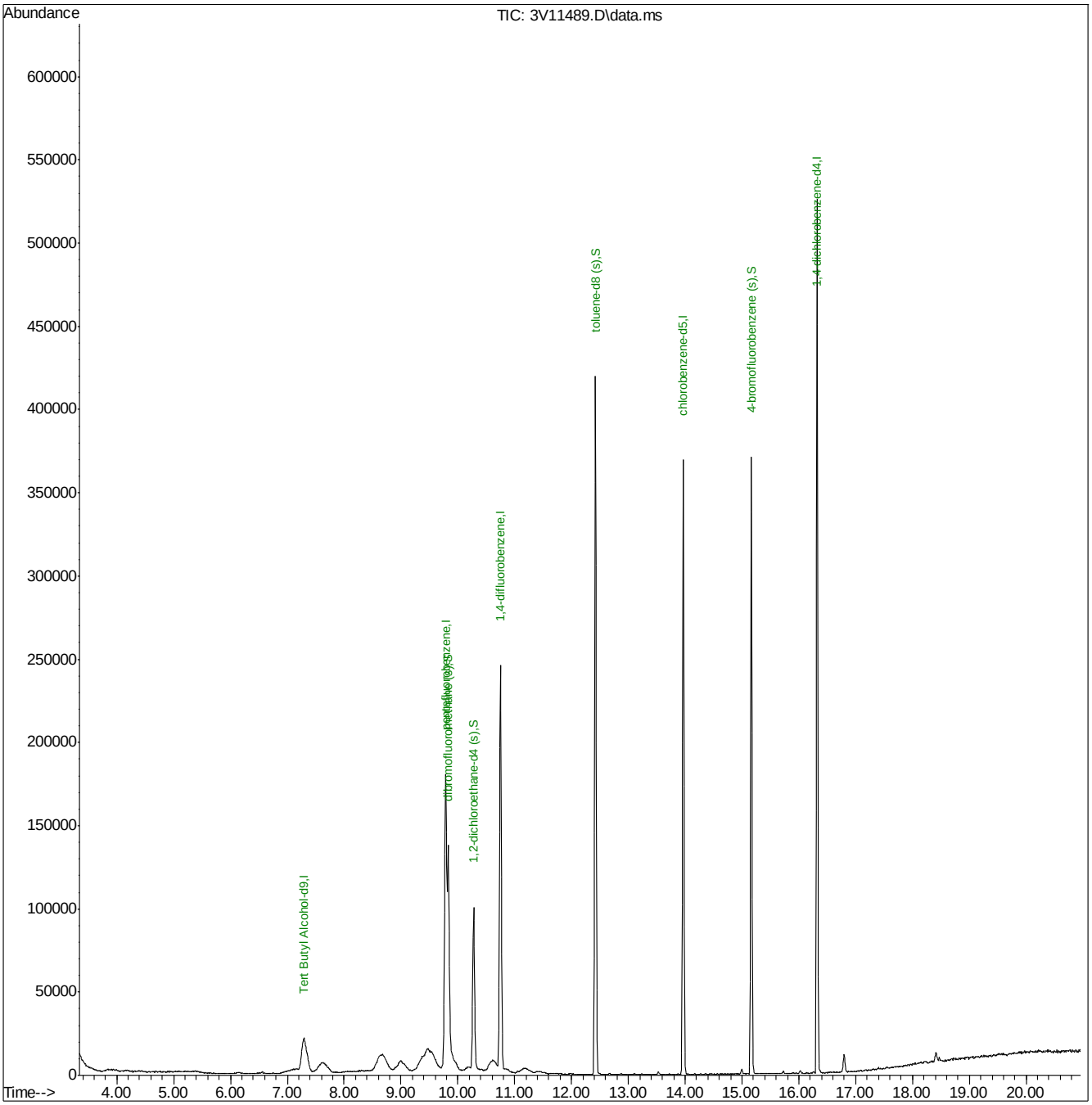
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	73237	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	158928	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	231315	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	211782	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	131558	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	92050	45.77	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.54%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	80941	45.97	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.94%			
71) toluene-d8 (s)	12.418	98	293747	51.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.56%			
95) 4-bromofluorobenzene (s)	15.165	95	121897	52.84	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.68%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11489.D
Acq On : 6 Jun 2014 3:19 pm
Operator : thienn
Sample : jb68403-4dup
Misc : MS68611,V3V489,6.3,,,,1
ALS Vial : 15 Sample Multiplier: 1

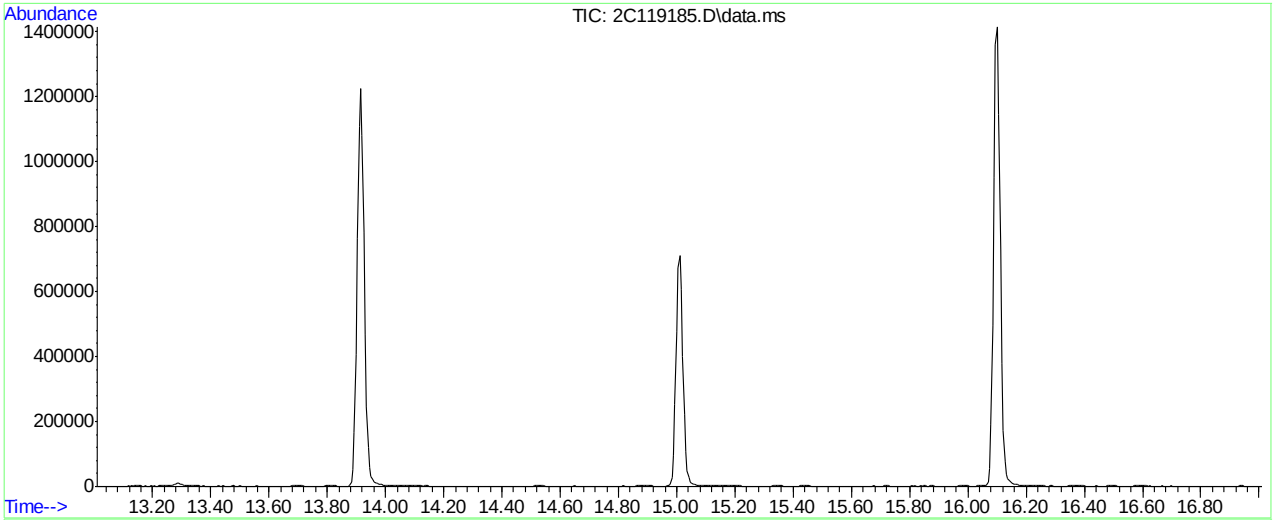
Quant Time: Jun 10 13:53:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

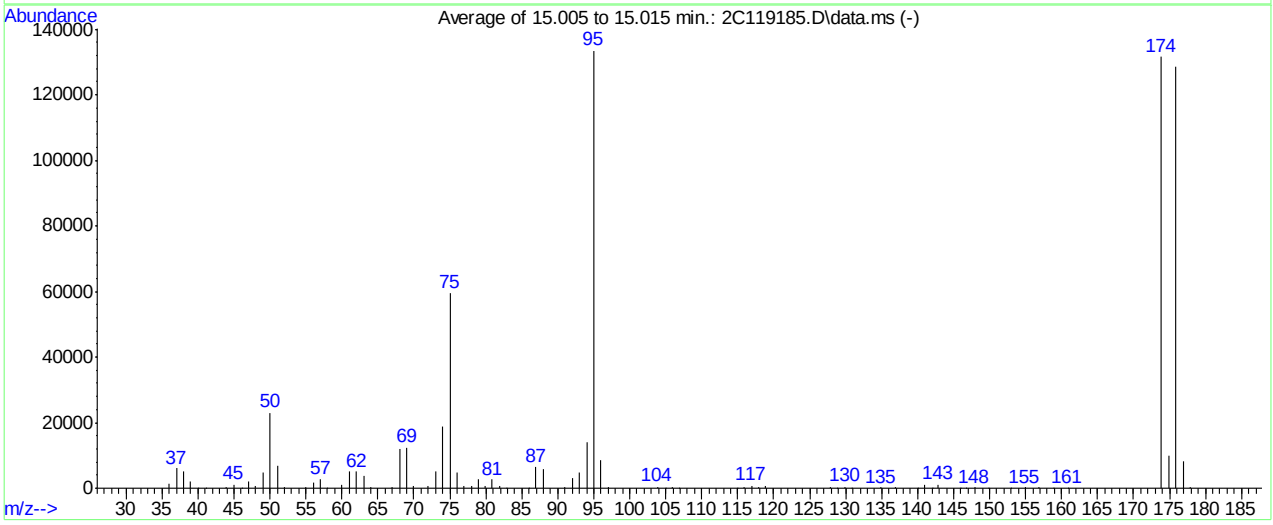


SW-846 Method 8260

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

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





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

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

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

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

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

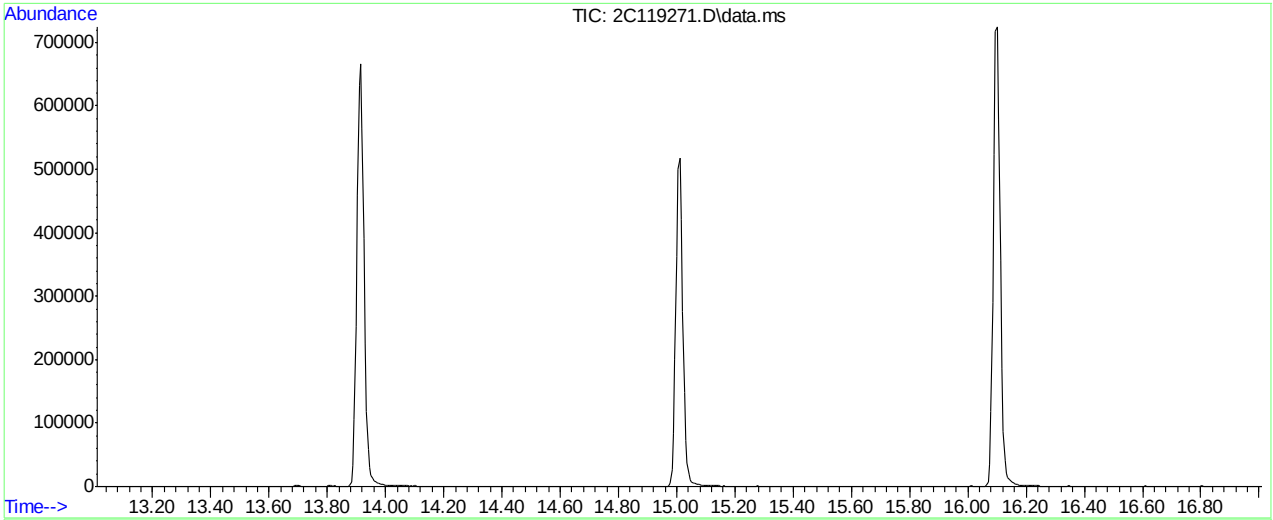
Average of 15.005 to 15.015 min.: 2C119185.D\data.ms
bfb
Modified:subtracted

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

SW-846 Method 8260

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

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



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

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

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

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

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

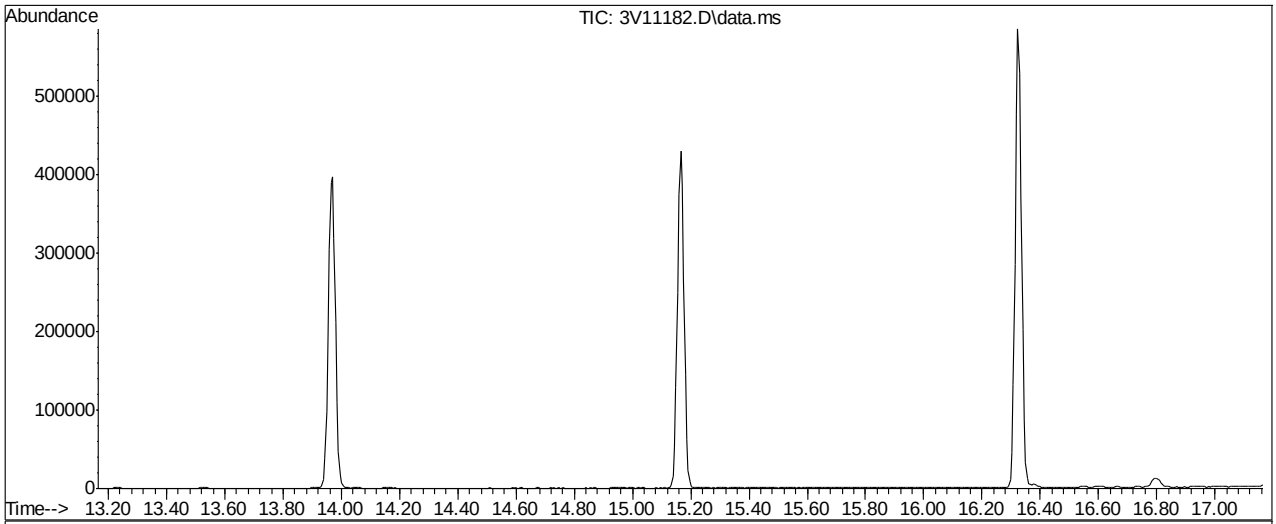
Average of 15.005 to 15.015 min.: 2C119271.D\data.ms
bfb
Modified:subtracted

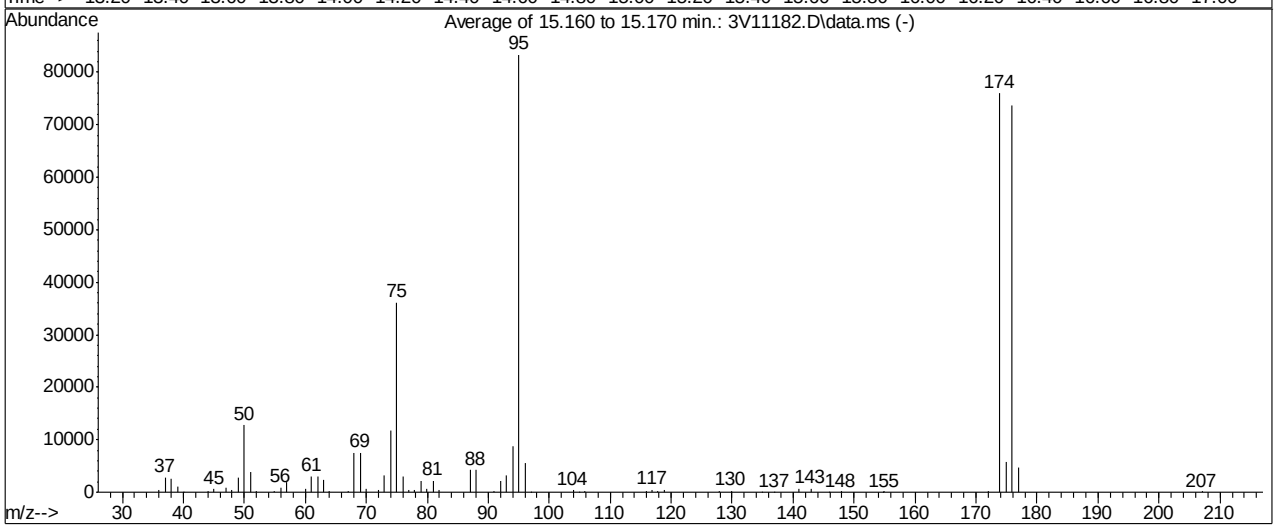
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	6073	128.90	98	154.95	168		
97.00	188	129.85	301	156.85	183		
103.85	329	130.95	130	158.80	59		
104.90	98	134.90	173	171.95	115		
105.90	339	136.80	48	173.90	95880		
114.80	43	140.85	875	174.95	7129		
115.85	326	142.00	41	175.90	92506		
116.85	493	142.90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

SW-846 Method 8260

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

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





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

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

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

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

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

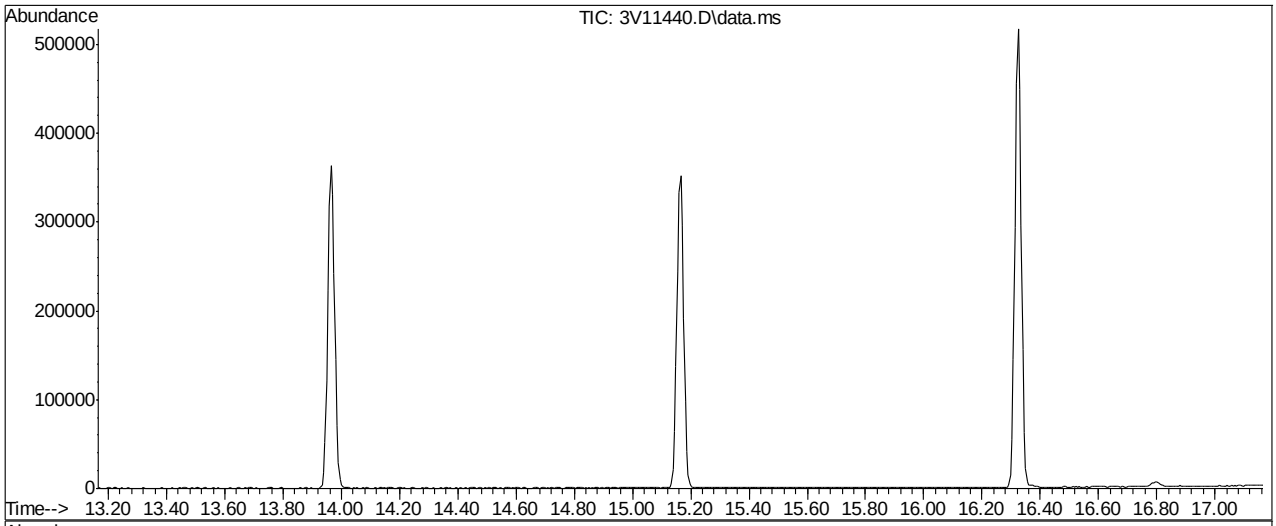
Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

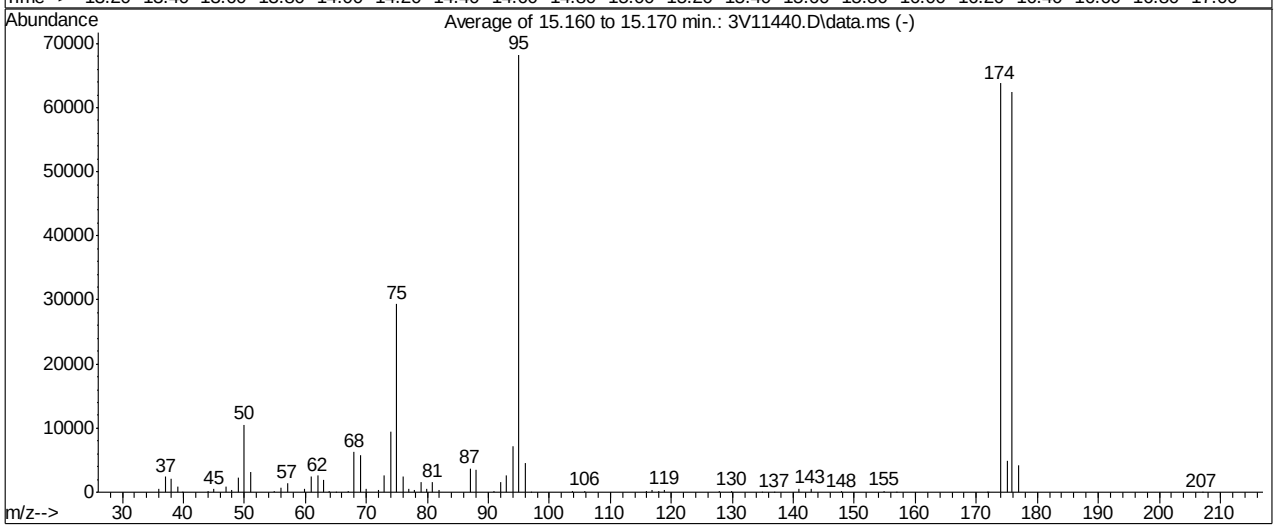
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	57	136.90	69	176.90	4785		
103.90	387	140.90	703	207.05	168		
104.90	53	142.90	731				
105.90	324	145.90	106				
115.90	264	147.90	141				
116.90	503	154.80	54				
117.85	251	154.95	128				
118.90	408	171.95	246				
127.90	255	173.90	76061				
129.90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

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11440.D Vial: 1
Acq On : 5 Jun 2014 8:31 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V487,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	10535	PASS
75	95	30	60	43.0	29352	PASS
95	95	100	100	100.0	68291	PASS
96	95	5	9	6.7	4569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.4	63792	PASS
175	174	5	9	7.6	4870	PASS
176	174	95	101	98.0	62488	PASS
177	176	5	9	6.6	4150	PASS

3V11440.D M3V474.M Thu Jun 05 16:23:15 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11440.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	498	51.00	3234	68.00	6227	79.95	457
37.10	2433	54.95	154	69.00	5763	80.90	1597
38.05	2123	56.00	790	70.00	495	81.90	399
39.05	874	57.05	1452	72.00	313	87.00	3686
39.90	3	59.95	532	73.00	2664	88.00	3562
44.00	232	61.00	2472	74.00	9460	91.00	237
45.00	482	62.00	2591	75.00	29352	92.00	1623
47.00	861	63.00	1857	76.00	2449	93.00	2545
47.95	315	63.95	126	76.95	479	94.00	7204
49.00	2271	65.00	52	77.95	365	95.00	68291
50.00	10535	66.95	122	78.90	1557	96.00	4569

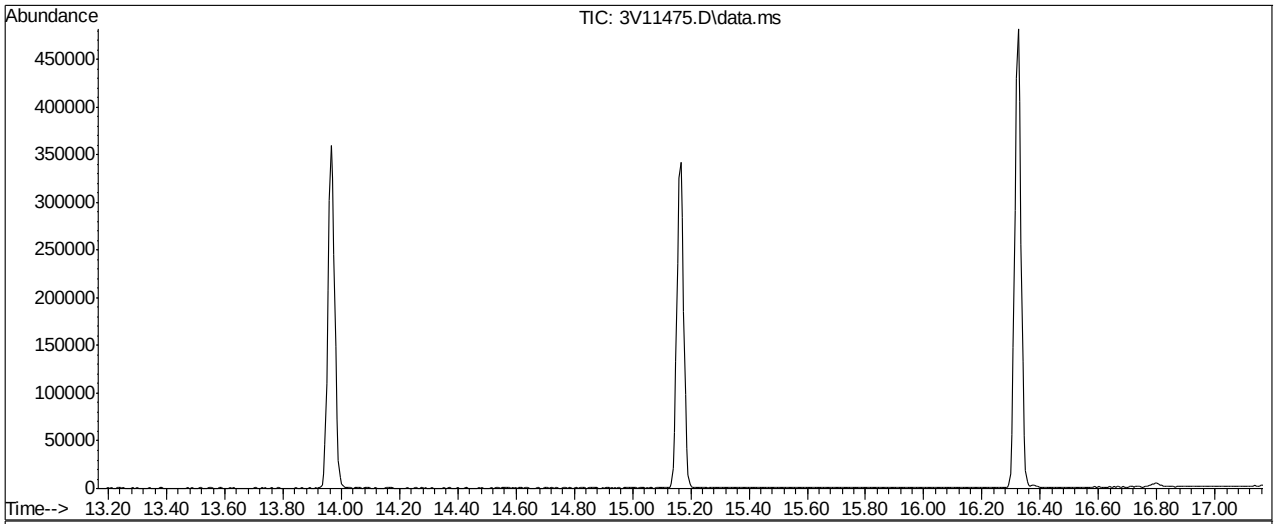
Average of 15.160 to 15.170 min.: 3V11440.D\data.ms
bfb
Modified:subtracted

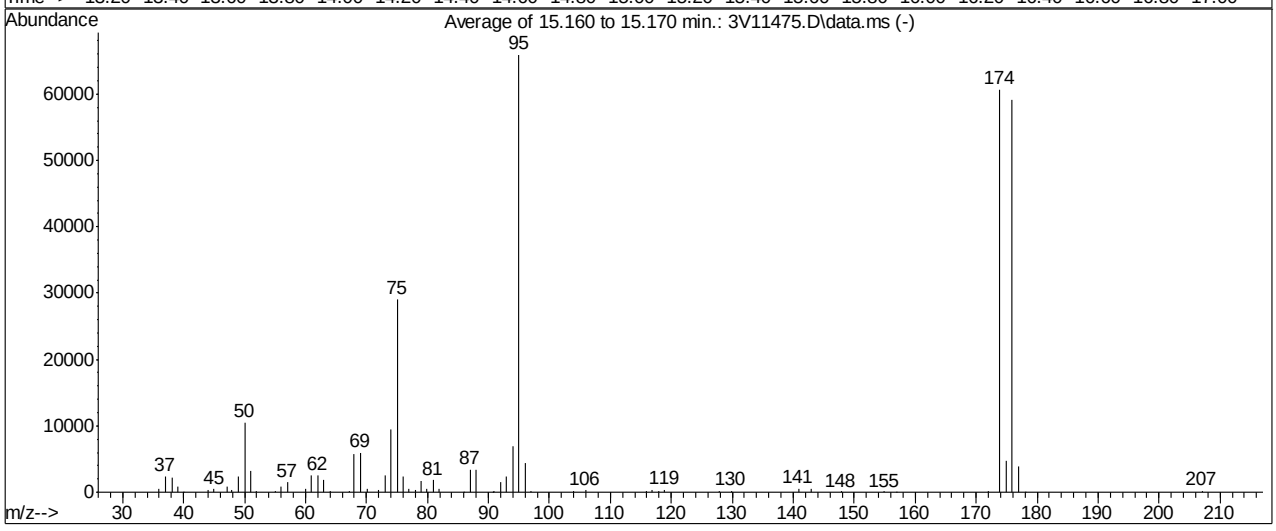
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	55	140.95	530	207.00	23		
103.85	245	142.90	567				
105.85	258	147.90	137				
115.90	223	154.95	240				
116.85	341	156.90	53				
117.90	204	171.80	66				
118.90	353	172.00	52				
127.95	211	173.90	63792				
129.90	218	175.00	4870				
134.80	53	175.90	62488				
136.90	60	176.90	4150				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11475.D Vial: 1
Acq On : 6 Jun 2014 8:28 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V489,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	10490	PASS
75	95	30	60	44.2	29136	PASS
95	95	100	100	100.0	65965	PASS
96	95	5	9	6.7	4419	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.0	60693	PASS
175	174	5	9	7.8	4720	PASS
176	174	95	101	97.4	59141	PASS
177	176	5	9	6.5	3866	PASS

3V11475.D M3V474.M Tue Jun 10 13:47:35 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11475.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	457	51.05	3210	68.00	5808	79.95	531
37.00	2429	51.95	124	69.00	5935	80.90	1812
38.05	2123	55.00	107	70.05	471	81.95	448
39.00	922	56.00	839	72.00	288	86.00	52
40.00	24	57.00	1572	73.00	2533	87.00	3423
44.00	264	60.00	531	74.00	9402	87.95	3401
45.00	449	61.00	2539	75.00	29136	90.80	82
47.05	865	62.00	2570	76.00	2451	90.95	151
47.95	329	63.00	1932	76.95	466	92.00	1516
49.00	2332	64.00	150	77.95	302	93.00	2442
50.00	10490	67.10	174	78.90	1725	94.00	6937

Average of 15.160 to 15.170 min.: 3V11475.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	65965	140.90	576	207.05	220		
96.00	4419	142.90	556				
96.95	106	147.90	119				
103.90	251	154.90	120				
105.90	274	156.90	53				
115.90	216	171.95	184				
116.90	305	173.90	60693				
117.95	169	175.00	4720				
118.90	343	175.90	59141				
127.90	240	176.95	3866				
129.85	245	178.00	57				

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

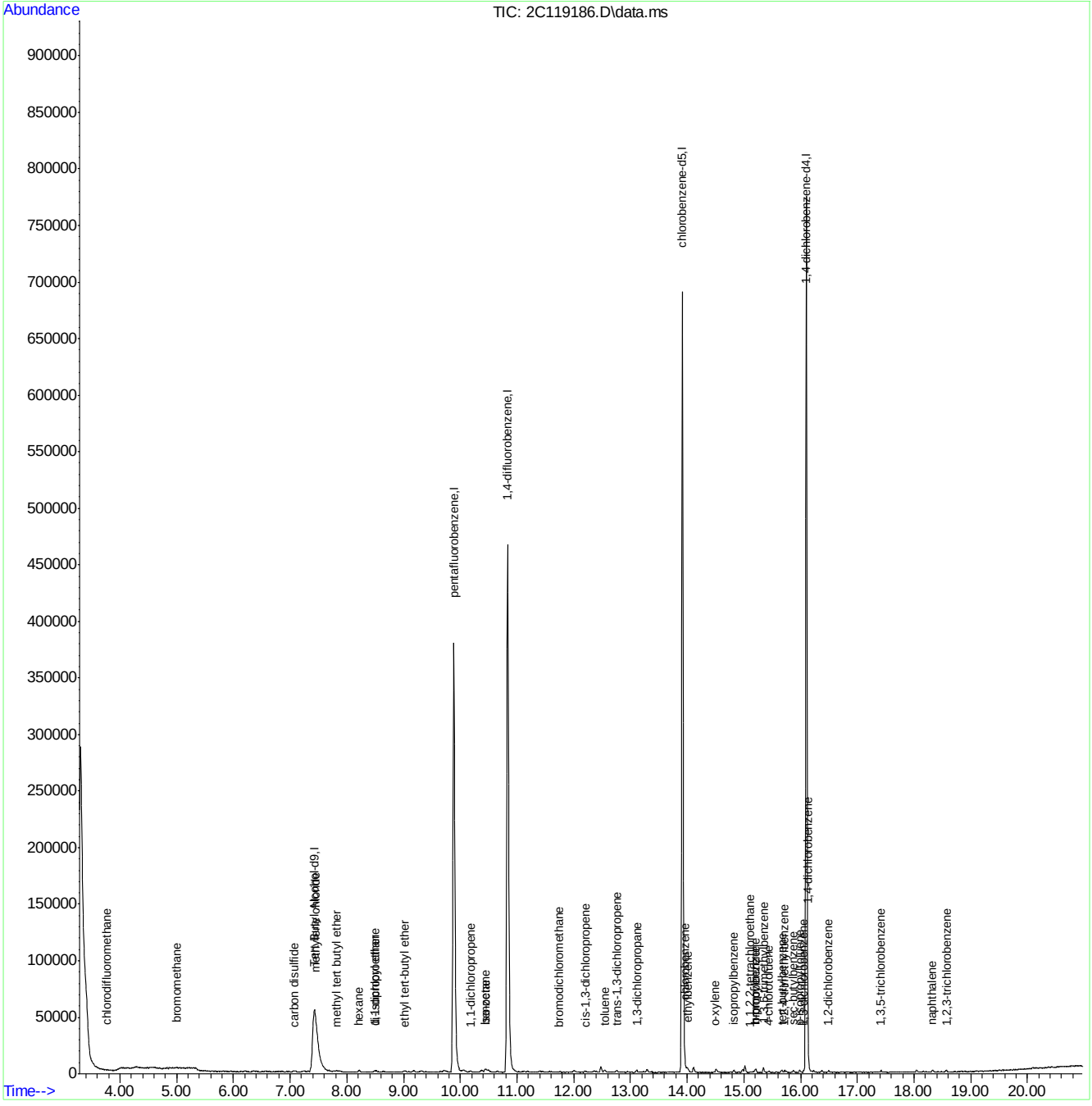
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
127) 1,2-dichlorobenzene	16.489	146	1085	0.19	ug/L	88
130) 1,3,5-trichlorobenzene	17.417	180	928	0.19	ug/L	96
133) naphthalene	18.324	128	2393	0.23	ug/L	84
134) 1,2,3-trichlorobenzene	18.570	180	805	0.20	ug/L	90

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

Quantitation Report (QT Reviewed)

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

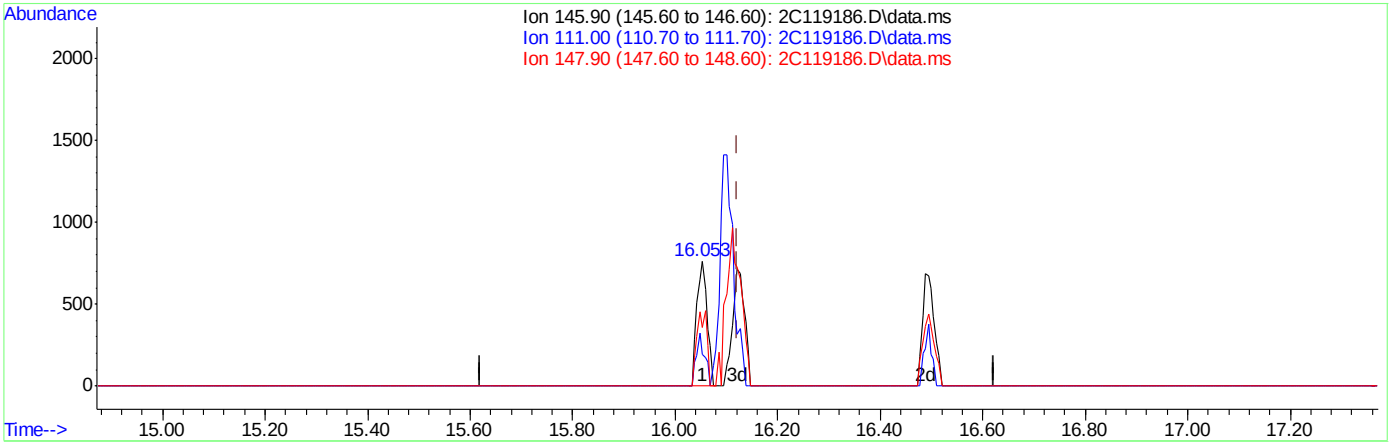
Quant Time: Jun 09 09:08:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

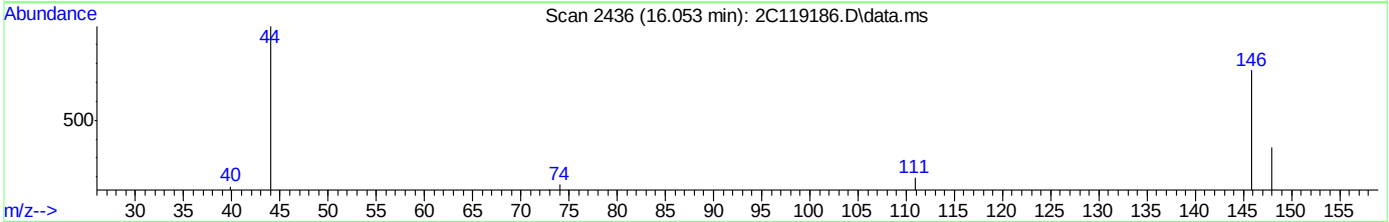


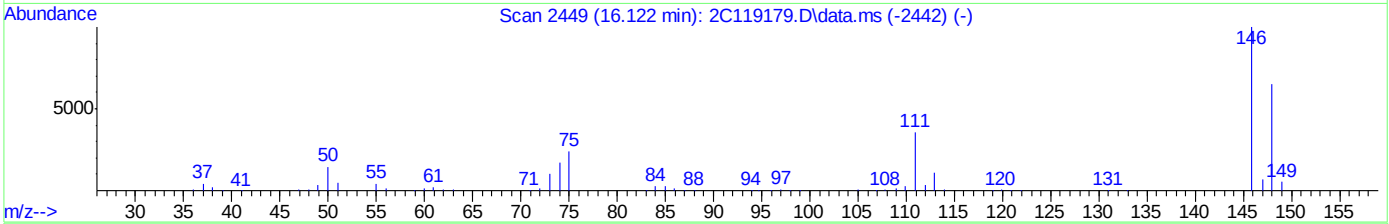
Quantitation Report (Qedit)

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

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







TIC: 2C119186.D\data.ms

(126) 1,4-dichlorobenzene

16.053min (-0.068) 0.19ug/L

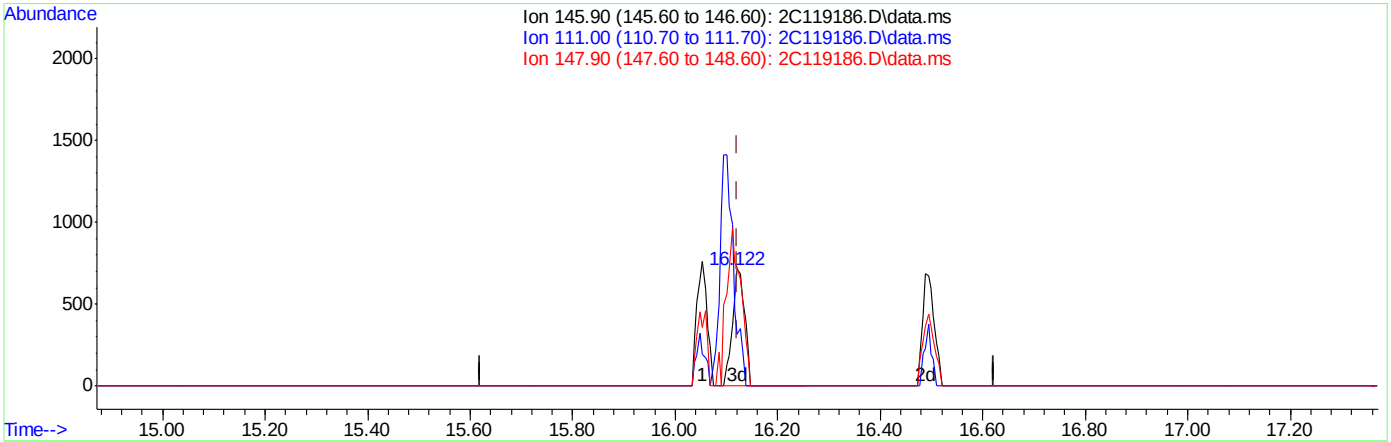
response 1068

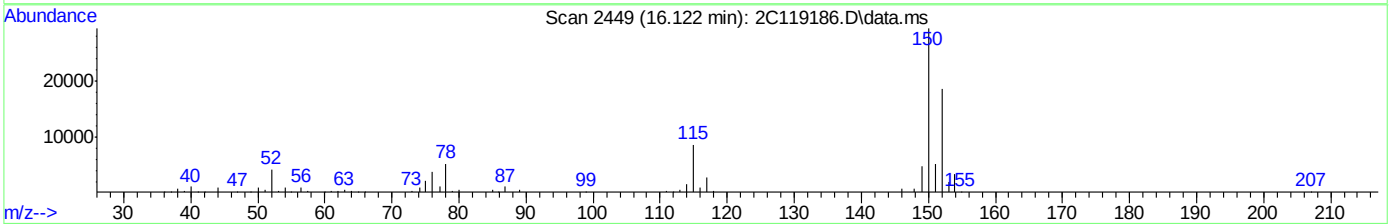
Ion	Exp%	Act%
145.90	100	100
111.00	35.70	25.39
147.90	65.00	46.73
0.00	0.00	0.00

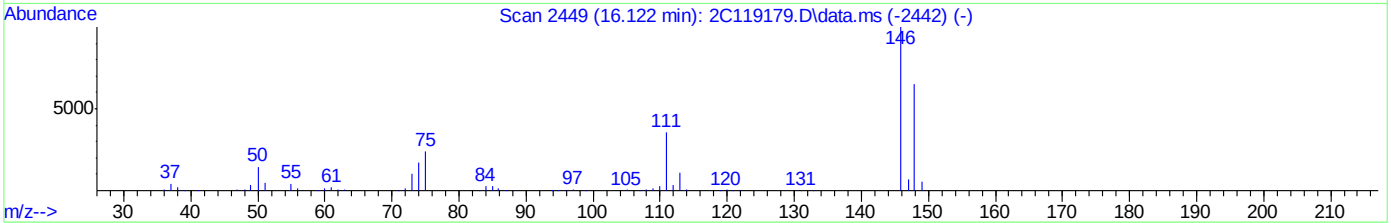
Quantitation Report (Qedit)

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

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







TIC: 2C119186.D\data.ms

(126) 1,4-dichlorobenzene

16.122min (-0.000) 0.21ug/L m

response 1185

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

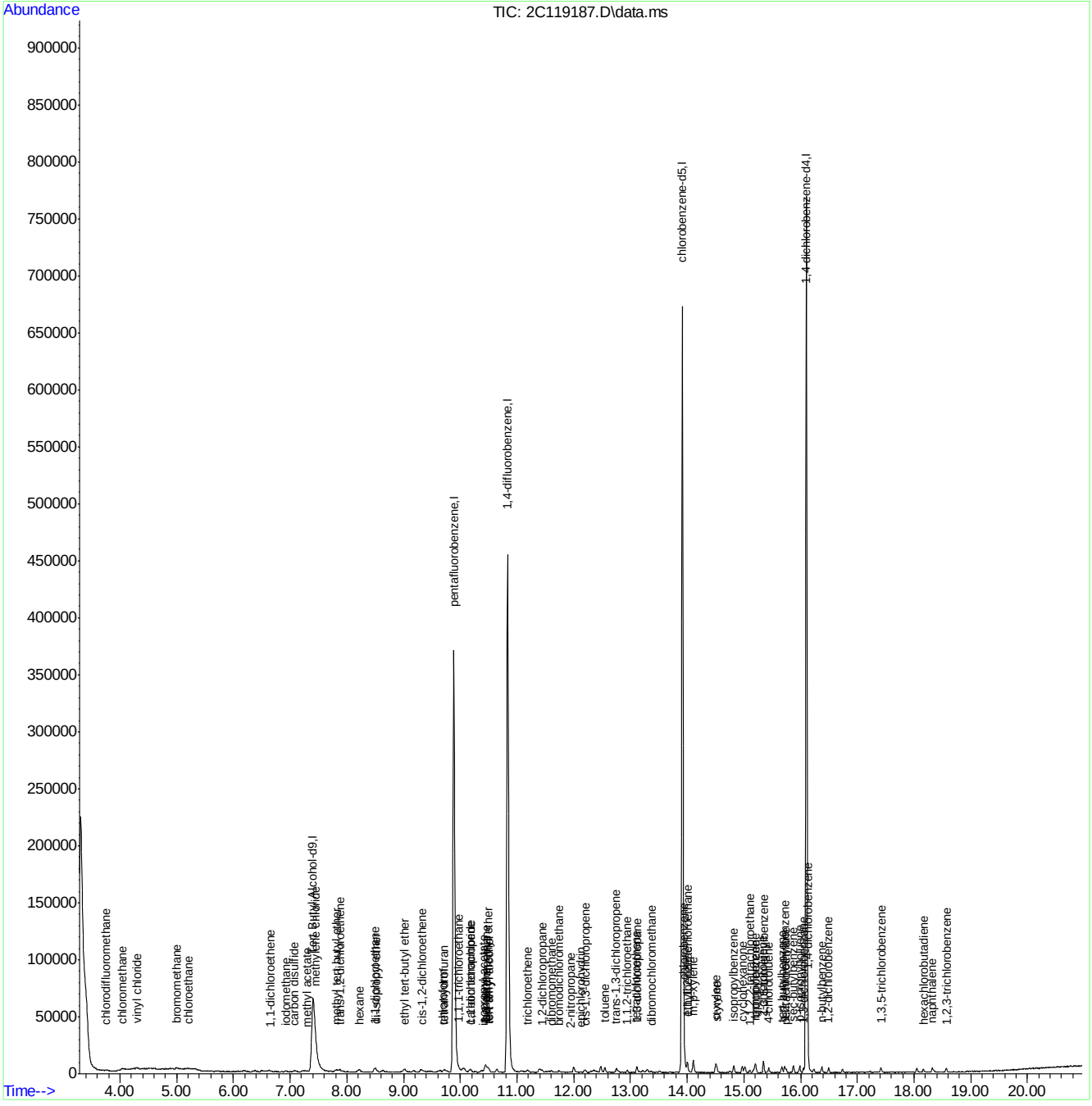
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) dibromomethane	11.602	93	601	0.36	ug/L		94
82) bromodichloromethane	11.733	83	1375	0.40	ug/L		95
83) cis-1,3-dichloropropene	12.200	75	1719	0.40	ug/L		88
86) toluene	12.551	92	2401	0.41	ug/L		96
88) trans-1,3-dichloropropene	12.745	75	1608	0.41	ug/L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

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

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

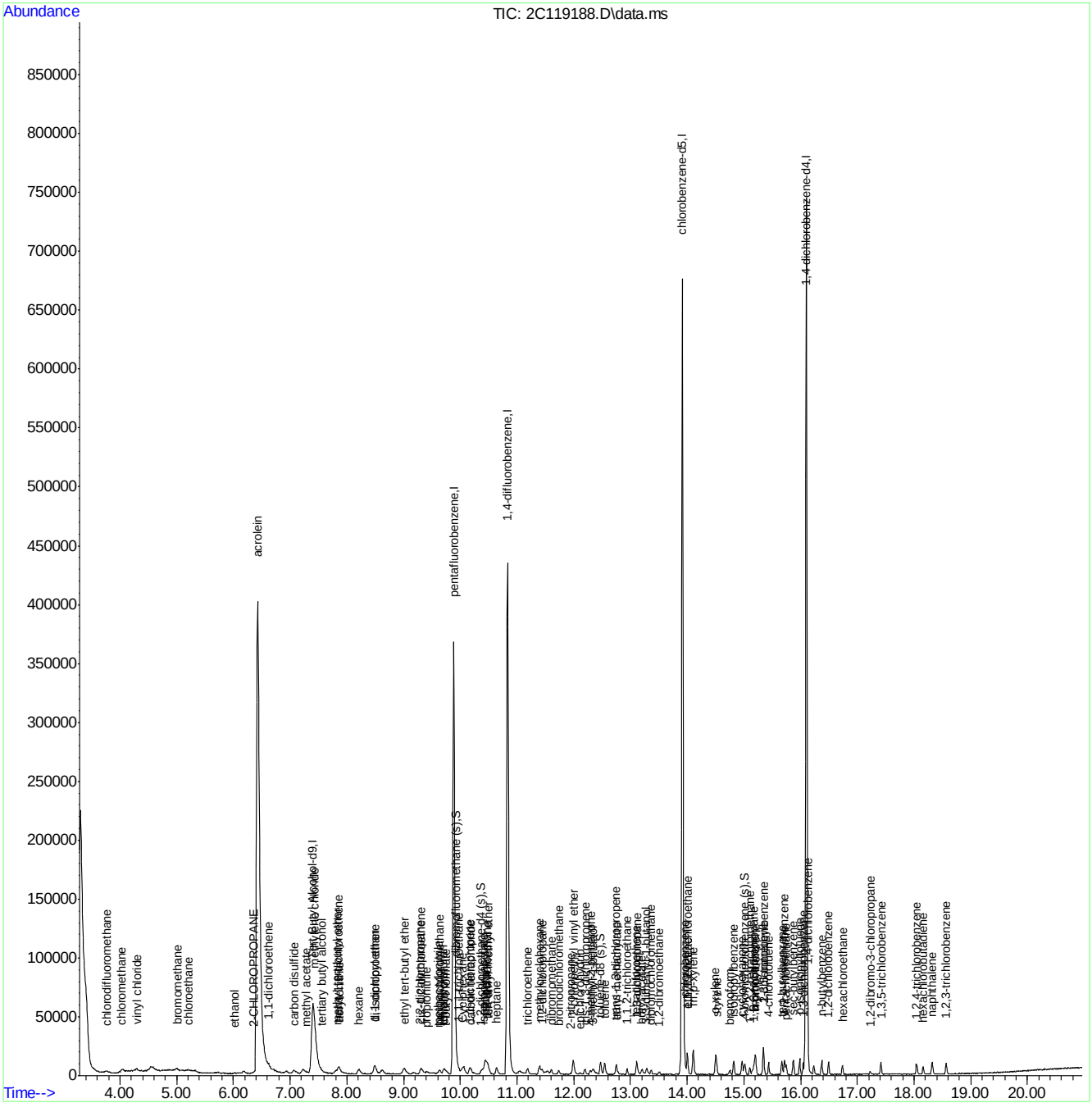
7.7.3

7

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

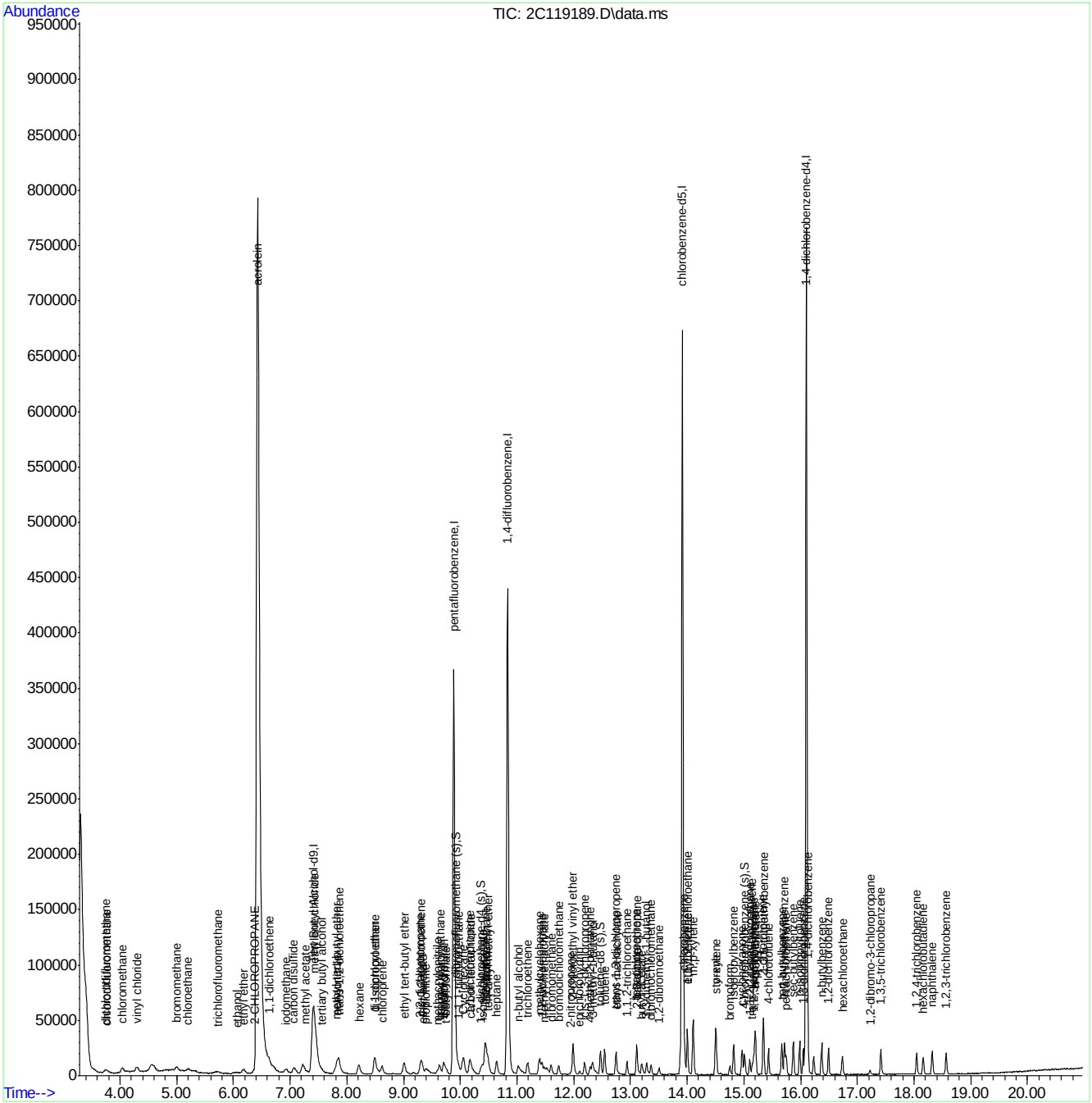
7.7.4

7

Quantitation Report (QT Reviewed)

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

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



Quantitation Report (QT Reviewed)

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

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	186364	500.00	ug/L		-0.01
5) pentafluorobenzene	9.888	168	375826	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	462259	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	391619	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	206768	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.919	113	11949	4.69	ug/L		0.01
Spiked Amount 50.000	Range 79 - 120		Recovery =	9.38%#			
55) 1,2-dichloroethane-d4 (s)	10.360	65	14214	4.78	ug/L		0.01
Spiked Amount 50.000	Range 72 - 123		Recovery =	9.56%#			
84) toluene-d8 (s)	12.467	98	42366	4.77	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	9.54%#			
109) 4-bromofluorobenzene (s)	15.010	95	16066	4.81	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery =	9.62%#			
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.555	59	10375	24.03	ug/L		100
3) ethanol	6.045	45	12414	928.16	ug/L	#	21
4) 1,4-dioxane	11.571	88	3278	114.12	ug/L	#	77
11) chlorodifluoromethane	3.748	51	13710	4.78	ug/L		96
12) dichlorodifluoromethane	3.754	85	14862	4.87	ug/L		95
15) chloromethane	4.042	50	20004	4.87	ug/L		98
16) vinyl chloride	4.299	62	18000	4.94	ug/L		95
17) bromomethane	5.001	94	11490	5.03	ug/L		99
18) chloroethane	5.201	64	8152	4.93	ug/L		96
19) trichlorofluoromethane	5.730	101	18398	4.67	ug/L		96
21) ethyl ether	6.176	74	7165	4.66	ug/L		94
22) 2-CHLOROPROPANE	6.370	43	22901	4.91	ug/L	#	96
26) acrolein	6.454	56	36539	46.94	ug/L		97
27) 1,1-dichloroethene	6.637	96	11278	4.84	ug/L		96
28) acetone	6.732	58	1185	4.07	ug/L	#	46
29) allyl chloride	7.219	76	6896	4.60	ug/L		92
30) acetonitrile	7.214	40	19365	56.94	ug/L	#	1
31) iodomethane	6.926	142	22462	4.93	ug/L		98
32) iso-butyl alcohol	10.161	74	968	12.09	ug/L		64
33) carbon disulfide	7.067	76	39685	5.03	ug/L		97
34) methylene chloride	7.434	84	13219	4.92	ug/L		98
35) 1-CHLOROPROPANE	7.466	42	27193	5.11	ug/L	#	83
36) methyl acetate	7.245	43	13497	4.91	ug/L		97
37) methyl tert butyl ether	7.806	73	38636	5.08	ug/L		97
38) trans-1,2-dichloroethene	7.864	96	12638	5.05	ug/L		95
39) di-isopropyl ether	8.488	45	45964	4.95	ug/L	#	40
40) 2-butanone	9.301	72	1609	4.06	ug/L	#	83
41) 1,1-dichloroethane	8.483	63	24055	4.99	ug/L		98
42) chloroprene	8.619	53	17682	4.83	ug/L		97
43) acrylonitrile	7.817	53	31380	24.14	ug/L		97
45) ethyl tert-butyl ether	9.007	59	41421	5.09	ug/L		99
46) ethyl acetate	9.322	45	2638	5.05	ug/L	#	69

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2,2-dichloropropane	9.295	77	16445	4.98	ug/L		95
48)	cis-1,2-dichloroethene	9.306	96	13970	5.11	ug/L		91
49)	propionitrile	9.379	54	25416	49.39	ug/L		91
50)	bromochloromethane	9.631	128	7026	4.96	ug/L		95
51)	tetrahydrofuran	9.694	42	6826	5.09	ug/L		96
52)	chloroform	9.704	83	22248	4.92	ug/L		98
53)	t-butyl formate	9.746	59	10777	4.73	ug/L		95
56)	freon 113	6.621	151	8082	4.20	ug/L		91
57)	methacrylonitrile	9.584	41	9500	4.56	ug/L		97
58)	1,1,1-trichloroethane	9.967	97	17437	5.01	ug/L		95
59)	Cyclohexane	10.040	84	16977	4.92	ug/L	#	78
62)	Di-isobutylene	10.449	57	36197	5.30	ug/L		96
63)	epichlorohydrin	12.100	57	8944	25.48	ug/L		98
64)	n-butyl alcohol	11.005	56	23432	236.90	ug/L		99
65)	carbon tetrachloride	10.187	117	16642	5.14	ug/L		95
66)	1,1-dichloropropene	10.161	75	17437	5.25	ug/L		100
67)	hexane	8.205	57	16555	4.77	ug/L		96
69)	iso-octane	10.449	57	36197	5.10	ug/L		94
70)	benzene	10.433	78	51264	5.02	ug/L		98
71)	tert-amyl methyl ether	10.491	87	9121	5.15	ug/L		97
72)	heptane	10.643	57	12333	4.41	ug/L		96
73)	isopropyl acetate	10.386	43	32805	4.84	ug/L		97
74)	1,2-dichloroethane	10.449	62	16799	5.21	ug/L		97
75)	trichloroethene	11.183	95	12309	4.92	ug/L		97
76)	2-nitropropane	11.948	41	6789	5.16	ug/L		92
77)	2-chloroethyl vinyl ether	11.980	63	41267	23.10	ug/L		98
78)	methyl methacrylate	11.477	100	3749	4.70	ug/L	#	78
79)	1,2-dichloropropane	11.440	63	13723	5.13	ug/L		98
80)	dibromomethane	11.597	93	8547	5.12	ug/L		95
81)	methylcyclohexane	11.398	83	18892	4.53	ug/L		98
82)	bromodichloromethane	11.728	83	17012	4.99	ug/L		99
83)	cis-1,3-dichloropropene	12.190	75	21599	5.08	ug/L		97
85)	4-methyl-2-pentanone	12.289	58	6468	4.75	ug/L		94
86)	toluene	12.541	92	29733	5.16	ug/L		98
87)	3-methyl-1-butanol	12.321	55	15054	101.19	ug/L		99
88)	trans-1,3-dichloropropene	12.735	75	19804	5.05	ug/L		99
89)	ethyl methacrylate	12.740	69	18555	4.89	ug/L		95
90)	1,1,2-trichloroethane	12.939	83	10613	5.17	ug/L		96
91)	2-hexanone	13.118	58	6789	5.25	ug/L		96
93)	tetrachloroethene	13.107	164	11080	5.06	ug/L		93
94)	1,3-dichloropropane	13.107	76	19771	5.06	ug/L		97
95)	butyl acetate	13.191	56	9813	4.20	ug/L		95
96)	3,3-dimethyl-1-butanol	13.280	57	15611	46.71	ug/L		96
97)	dibromochloromethane	13.364	129	14031	4.82	ug/L		99
98)	1,2-dibromoethane	13.506	107	12820	4.77	ug/L		99
100)	chlorobenzene	13.946	112	32585	5.03	ug/L		94
101)	1,1,1,2-tetrachloroethane	14.004	131	12562	4.98	ug/L		97
102)	ethylbenzene	14.004	91	54339	5.06	ug/L		99
103)	m,p-xylene	14.103	106	41374	9.87	ug/L		98
104)	o-xylene	14.497	106	20808	5.03	ug/L		94

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

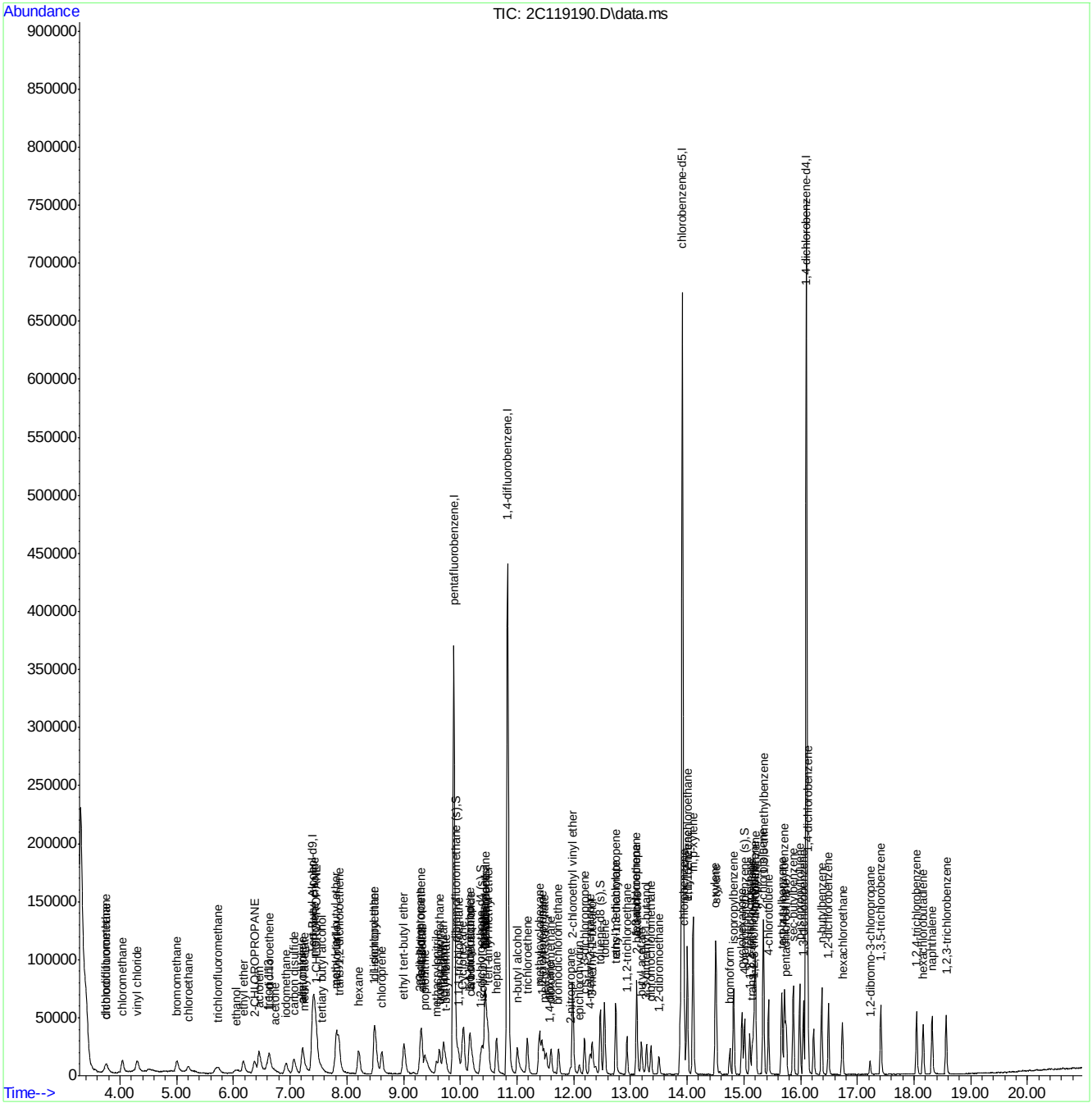
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
105) styrene	14.507	104	34415	4.92	ug/L		95
106) bromoform	14.753	173	11576	4.67	ug/L		99
108) isopropylbenzene	14.822	105	53561	5.06	ug/L		99
110) cyclohexanone	14.968	55	24871	53.93	ug/L		97
111) bromobenzene	15.194	156	15483	5.10	ug/L		96
112) 1,1,2,2-tetrachloroethane	15.105	83	19345	5.07	ug/L		98
113) trans-1,4-dichloro-2-b...	15.147	88	2379	4.54	ug/L	#	88
114) 1,2,3-trichloropropane	15.173	110	4551	5.06	ug/L		100
115) n-propylbenzene	15.204	91	61006	5.12	ug/L		99
116) 2-chlorotoluene	15.335	126	12940	4.85	ug/L		99
117) 4-chlorotoluene	15.435	91	38854	5.00	ug/L		98
118) 1,3,5-trimethylbenzene	15.346	105	43870	5.04	ug/L		97
119) tert-butylbenzene	15.671	119	38239	4.97	ug/L		98
120) pentachloroethane	15.744	167	10009	4.99	ug/L		95
121) 1,2,4-trimethylbenzene	15.713	105	42660	4.98	ug/L		97
122) sec-butylbenzene	15.870	105	57728	4.97	ug/L		98
123) 1,3-dichlorobenzene	16.048	146	28087	4.98	ug/L		99
124) p-isopropyltoluene	15.986	119	47660	4.95	ug/L		98
126) 1,4-dichlorobenzene	16.122	146	27618	4.96	ug/L		97
127) 1,2-dichlorobenzene	16.489	146	26868	4.81	ug/L		99
128) n-butylbenzene	16.374	92	24771	4.98	ug/L		94
129) 1,2-dibromo-3-chloropr...	17.223	75	3189	4.74	ug/L		87
130) 1,3,5-trichlorobenzene	17.417	180	22520	4.83	ug/L		96
131) 1,2,4-trichlorobenzene	18.046	180	19759	4.56	ug/L		98
132) hexachlorobutadiene	18.161	225	12193	5.18	ug/L		99
133) naphthalene	18.319	128	45485	4.53	ug/L		99
134) 1,2,3-trichlorobenzene	18.570	180	19161	4.81	ug/L		98
135) hexachloroethane	16.741	201	9778	4.83	ug/L		97

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

Quantitation Report (QT Reviewed)

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

Quant Time: Jun 06 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.397	65	178934	500.00	ug/L		-0.02
5) pentafluorobenzene	9.882	168	360961	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	445892	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	376831	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	202268	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	26473	10.82	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 21.64%#				
55) 1,2-dichloroethane-d4 (s)	10.354	65	31102	10.90	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 21.80%#				
84) toluene-d8 (s)	12.467	98	96507	11.27	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 22.54%#				
109) 4-bromofluorobenzene (s)	15.010	95	35115	10.76	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 21.52%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.534	59	23421	56.50	ug/L		100
3) ethanol	6.029	45	27233	2120.69	ug/L	#	20
4) 1,4-dioxane	11.571	88	7971	289.01	ug/L	#	80
11) chlorodifluoromethane	3.753	51	34023	12.34	ug/L		98
12) dichlorodifluoromethane	3.738	85	33821	11.54	ug/L		98
15) chloromethane	4.042	50	44223	11.21	ug/L		98
16) vinyl chloride	4.304	62	41093	11.75	ug/L		97
17) bromomethane	5.001	94	24950	11.38	ug/L		96
18) chloroethane	5.190	64	19144	12.06	ug/L		99
19) trichlorofluoromethane	5.730	101	42883	11.32	ug/L		94
21) ethyl ether	6.176	74	15879	10.76	ug/L		91
22) 2-CHLOROPROPANE	6.370	43	50501	11.26	ug/L	#	97
26) acrolein	6.438	56	81275	108.72	ug/L		98
27) 1,1-dichloroethene	6.627	96	25569	11.42	ug/L		95
28) acetone	6.710	58	2701	9.66	ug/L	#	83
29) allyl chloride	7.209	76	16242	11.29	ug/L	#	81
30) acetonitrile	7.193	40	37254	114.05	ug/L	#	32
31) iodomethane	6.925	142	49138	11.23	ug/L		98
32) iso-butyl alcohol	10.160	74	2787	66.62	ug/L		64
33) carbon disulfide	7.067	76	86117	11.37	ug/L		98
34) methylene chloride	7.434	84	28989	11.24	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	62624	12.25	ug/L		98
36) methyl acetate	7.224	43	28276	10.71	ug/L		97
37) methyl tert butyl ether	7.806	73	82645	11.32	ug/L		96
38) trans-1,2-dichloroethene	7.853	96	27272	11.34	ug/L		97
39) di-isopropyl ether	8.488	45	102269	11.46	ug/L	#	51
40) 2-butanone	9.300	72	3885	10.20	ug/L	#	1
41) 1,1-dichloroethane	8.488	63	52036	11.23	ug/L		99
42) chloroprene	8.608	53	41274	11.74	ug/L		98
43) acrylonitrile	7.801	53	69894	55.98	ug/L		97
44) vinyl acetate	8.509	86	4449	9.10	ug/L		56
45) ethyl tert-butyl ether	9.002	59	92488	11.84	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.316	45	5377	10.72	ug/L	79
47) 2,2-dichloropropane	9.290	77	36011	11.35	ug/L	97
48) cis-1,2-dichloroethene	9.306	96	29765	11.34	ug/L	98
49) propionitrile	9.369	54	56052	113.41	ug/L	92
50) bromochloromethane	9.631	128	15211	11.19	ug/L	94
51) tetrahydrofuran	9.683	42	14025	10.89	ug/L	98
52) chloroform	9.699	83	48039	11.07	ug/L	99
53) t-butyl formate	9.741	59	24852	11.35	ug/L	98
56) freon 113	6.611	151	20418	11.05	ug/L	98
57) methacrylonitrile	9.578	41	21432	10.70	ug/L	99
58) 1,1,1-trichloroethane	9.966	97	38500	11.52	ug/L	97
59) Cyclohexane	10.040	84	35615	10.75	ug/L	90
62) Di-isobutylene	10.443	57	85966	13.05	ug/L	98
63) epichlorohydrin	12.090	57	19874	58.70	ug/L	99
64) n-butyl alcohol	10.999	56	53127	556.83	ug/L	99
65) carbon tetrachloride	10.181	117	36295	11.63	ug/L	99
66) 1,1-dichloropropene	10.160	75	37436	11.68	ug/L	98
67) hexane	8.205	57	38927	11.64	ug/L	99
69) iso-octane	10.443	57	85966	12.55	ug/L	98
70) benzene	10.433	78	111168	11.29	ug/L	98
71) tert-amyl methyl ether	10.480	87	20476	11.99	ug/L	90
72) heptane	10.637	57	31720	11.75	ug/L	98
73) isopropyl acetate	10.381	43	72630	11.10	ug/L	99
74) 1,2-dichloroethane	10.449	62	36148	11.63	ug/L	97
75) trichloroethene	11.183	95	27645	11.46	ug/L	95
76) 2-nitropropane	11.938	41	12986	10.24	ug/L	92
77) 2-chloroethyl vinyl ether	11.980	63	96215	55.84	ug/L	98
78) methyl methacrylate	11.471	100	8297	10.79	ug/L	93
79) 1,2-dichloropropane	11.440	63	30173	11.70	ug/L	99
80) dibromomethane	11.597	93	18659	11.58	ug/L	93
81) methylcyclohexane	11.398	83	47023	11.70	ug/L	96
82) bromodichloromethane	11.733	83	37094	11.27	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	47387	11.56	ug/L	96
85) 4-methyl-2-pentanone	12.284	58	14344	10.93	ug/L	92
86) toluene	12.541	92	64951	11.69	ug/L	98
87) 3-methyl-1-butanol	12.320	55	32195	224.36	ug/L	97
88) trans-1,3-dichloropropene	12.735	75	44136	11.67	ug/L	99
89) ethyl methacrylate	12.740	69	40495	11.06	ug/L	97
90) 1,1,2-trichloroethane	12.934	83	21904	11.06	ug/L	100
91) 2-hexanone	13.112	58	12913	10.35	ug/L	97
93) tetrachloroethene	13.107	164	24333	11.54	ug/L	100
94) 1,3-dichloropropane	13.107	76	42886	11.41	ug/L	100
95) butyl acetate	13.186	56	22990	10.43	ug/L	92
96) 3,3-dimethyl-1-butanol	13.280	57	34598	107.58	ug/L	93
97) dibromochloromethane	13.364	129	30749	10.98	ug/L	100
98) 1,2-dibromoethane	13.500	107	27890	10.79	ug/L	93
100) chlorobenzene	13.946	112	70126	11.26	ug/L	99
101) 1,1,1,2-tetrachloroethane	14.004	131	26873	11.08	ug/L	99
102) ethylbenzene	13.998	91	118889	11.51	ug/L	99
103) m,p-xylene	14.103	106	91551	22.69	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

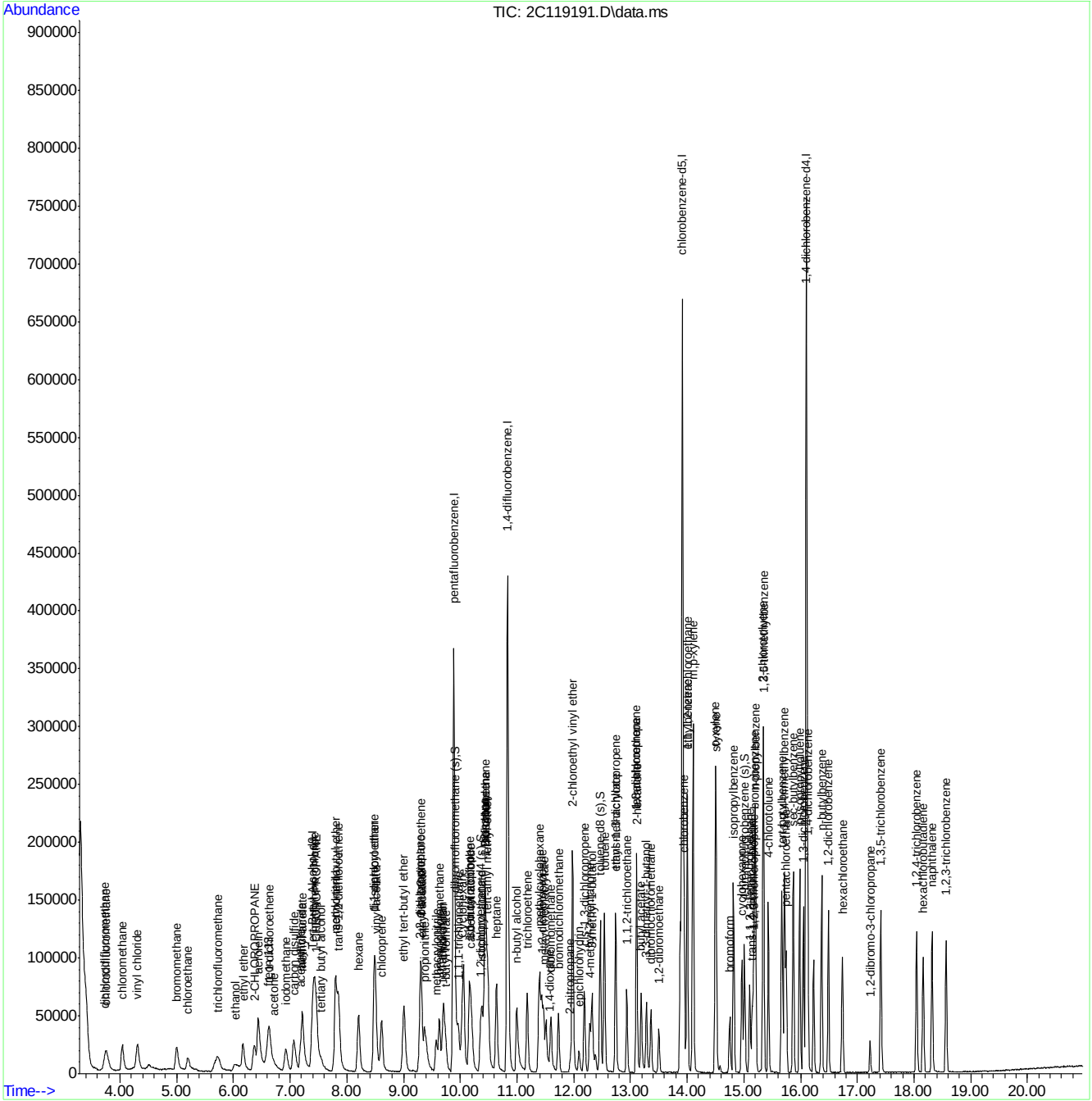
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) o-xylene	14.496	106	45380	11.40	ug/L		96
105) styrene	14.507	104	77132	11.45	ug/L		97
106) bromoform	14.753	173	25115	10.52	ug/L		99
108) isopropylbenzene	14.816	105	118286	11.43	ug/L		98
110) cyclohexanone	14.963	55	46109	102.20	ug/L		98
111) bromobenzene	15.188	156	33932	11.43	ug/L		94
112) 1,1,2,2-tetrachloroethane	15.105	83	41040	11.00	ug/L		99
113) trans-1,4-dichloro-2-b...	15.146	88	5072	9.89	ug/L	#	87
114) 1,2,3-trichloropropane	15.167	110	9679	10.99	ug/L		94
115) n-propylbenzene	15.204	91	135697	11.63	ug/L		99
116) 2-chlorotoluene	15.340	126	29062	11.14	ug/L		94
117) 4-chlorotoluene	15.430	91	86394	11.37	ug/L		97
118) 1,3,5-trimethylbenzene	15.346	105	98453	11.56	ug/L		97
119) tert-butylbenzene	15.671	119	84464	11.23	ug/L		98
120) pentachloroethane	15.744	167	22291	11.35	ug/L		96
121) 1,2,4-trimethylbenzene	15.713	105	96142	11.47	ug/L		97
122) sec-butylbenzene	15.870	105	131648	11.59	ug/L		99
123) 1,3-dichlorobenzene	16.048	146	62716	11.38	ug/L		96
124) p-isopropyltoluene	15.985	119	108470	11.53	ug/L		100
126) 1,4-dichlorobenzene	16.127	146	61027	11.19	ug/L		96
127) 1,2-dichlorobenzene	16.489	146	59636	10.92	ug/L		99
128) n-butylbenzene	16.373	92	55286	11.36	ug/L		96
129) 1,2-dibromo-3-chloropr...	17.228	75	6952	10.57	ug/L		96
130) 1,3,5-trichlorobenzene	17.417	180	51837	11.37	ug/L		99
131) 1,2,4-trichlorobenzene	18.046	180	46370	10.95	ug/L		94
132) hexachlorobutadiene	18.161	225	26653	11.58	ug/L		98
133) naphthalene	18.319	128	103819	10.56	ug/L		99
134) 1,2,3-trichlorobenzene	18.565	180	42933	11.02	ug/L		97
135) hexachloroethane	16.740	201	21612	10.91	ug/L		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119191.D
Acq On : 5 Jun 2014 6:43 pm
Operator : toanp
Sample : ic5480-10
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 10:39:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	177239	500.00	ug/L		-0.01
5) pentafluorobenzene	9.883	168	369253	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	460043	50.00	ug/L		0.00
92) chlorobenzene-d5	13.915	117	382076	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204396	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	126326	50.49	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.98%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147249	50.44	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.88%				
84) toluene-d8 (s)	12.467	98	452630	51.22	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.44%				
109) 4-bromofluorobenzene (s)	15.010	95	165041	50.03	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	42327	103.08	ug/L		100
3) ethanol	6.019	45	49888	3922.03	ug/L	#	29
4) 1,4-dioxane	11.576	88	14240	521.26	ug/L		92
11) chlorodifluoromethane	3.754	51	60482	21.45	ug/L		99
12) dichlorodifluoromethane	3.738	85	61332	20.46	ug/L		97
15) chloromethane	4.047	50	83511	20.70	ug/L		98
16) vinyl chloride	4.309	62	77377	21.62	ug/L		99
17) bromomethane	5.001	94	47688	21.26	ug/L		94
18) chloroethane	5.195	64	36422	22.43	ug/L		95
19) trichlorofluoromethane	5.725	101	80366	20.75	ug/L		97
21) ethyl ether	6.171	74	31073	20.58	ug/L		95
22) 2-CHLOROPROPANE	6.370	43	87812	19.14	ug/L	#	93
26) acrolein	6.433	56	153905	201.25	ug/L		99
27) 1,1-dichloroethene	6.632	96	47109	20.57	ug/L		98
28) acetone	6.700	58	5739	20.06	ug/L		86
29) allyl chloride	7.214	76	30047	20.41	ug/L	#	80
30) acetonitrile	7.182	40	67476	201.93	ug/L		77
31) iodomethane	6.931	142	92208	20.60	ug/L		97
32) iso-butyl alcohol	10.161	74	7522	200.67	ug/L		92
33) carbon disulfide	7.067	76	162020	20.91	ug/L		99
34) methylene chloride	7.429	84	54924	20.82	ug/L		98
35) 1-CHLOROPROPANE	7.460	42	106520	20.37	ug/L		99
36) methyl acetate	7.219	43	56644	20.98	ug/L		96
37) methyl tert butyl ether	7.812	73	159925	21.41	ug/L		98
38) trans-1,2-dichloroethene	7.854	96	51291	20.84	ug/L		96
39) di-isopropyl ether	8.493	45	196123	21.48	ug/L		86
40) 2-butanone	9.285	72	7854	20.15	ug/L	#	63
41) 1,1-dichloroethane	8.483	63	100139	21.13	ug/L		98
42) chloroprene	8.614	53	77554	21.57	ug/L		96
43) acrylonitrile	7.791	53	136851	107.15	ug/L		99
44) vinyl acetate	8.498	86	9895	19.78	ug/L		92
45) ethyl tert-butyl ether	9.007	59	174411	21.83	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.311	45	11260	21.94	ug/L	89
47) 2,2-dichloropropane	9.290	77	66567	20.50	ug/L	96
48) cis-1,2-dichloroethene	9.301	96	57566	21.45	ug/L	99
49) propionitrile	9.364	54	107359	212.35	ug/L	95
50) bromochloromethane	9.631	128	29881	21.48	ug/L	96
51) tetrahydrofuran	9.683	42	25087	19.04	ug/L	95
52) chloroform	9.699	83	91549	20.62	ug/L	98
53) t-butyl formate	9.736	59	48775	21.78	ug/L	99
56) freon 113	6.606	151	37178	19.67	ug/L	97
57) methacrylonitrile	9.573	41	41916	20.46	ug/L	97
58) 1,1,1-trichloroethane	9.961	97	71907	21.04	ug/L	97
59) Cyclohexane	10.040	84	70585	20.82	ug/L	90
62) Di-isobutylene	10.449	57	153667	22.62	ug/L	97
63) epichlorohydrin	12.090	57	36914	105.68	ug/L	98
64) n-butyl alcohol	10.989	56	100247	1018.37	ug/L	98
65) carbon tetrachloride	10.182	117	68828	21.37	ug/L	99
66) 1,1-dichloropropene	10.161	75	71043	21.49	ug/L	98
67) hexane	8.210	57	72344	20.96	ug/L	97
69) iso-octane	10.449	57	153667	21.74	ug/L	98
70) benzene	10.428	78	208680	20.54	ug/L	100
71) tert-amyl methyl ether	10.486	87	38084	21.61	ug/L	97
72) heptane	10.638	57	59432	21.34	ug/L	99
73) isopropyl acetate	10.381	43	135456	20.07	ug/L	99
74) 1,2-dichloroethane	10.449	62	70637	22.03	ug/L	99
75) trichloroethene	11.178	95	52204	20.98	ug/L	97
76) 2-nitropropane	11.938	41	25781	19.71	ug/L	96
77) 2-chloroethyl vinyl ether	11.975	63	192393	108.23	ug/L	98
78) methyl methacrylate	11.466	100	16580	20.91	ug/L	91
79) 1,2-dichloropropane	11.435	63	56716	21.31	ug/L	94
80) dibromomethane	11.592	93	36064	21.69	ug/L	97
81) methylcyclohexane	11.398	83	87856	21.18	ug/L	97
82) bromodichloromethane	11.728	83	71791	21.14	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	92493	21.87	ug/L	99
85) 4-methyl-2-pentanone	12.284	58	27836	20.55	ug/L	97
86) toluene	12.536	92	123966	21.63	ug/L	99
87) 3-methyl-1-butanol	12.315	55	59400	401.21	ug/L	98
88) trans-1,3-dichloropropene	12.735	75	85049	21.79	ug/L	99
89) ethyl methacrylate	12.740	69	78740	20.84	ug/L	98
90) 1,1,2-trichloroethane	12.934	83	43801	21.44	ug/L	98
91) 2-hexanone	13.112	58	25913	20.13	ug/L	90
93) tetrachloroethene	13.102	164	45424	21.25	ug/L	98
94) 1,3-dichloropropane	13.107	76	82681	21.70	ug/L	98
95) butyl acetate	13.186	56	43215	19.46	ug/L	99
96) 3,3-dimethyl-1-butanol	13.280	57	66809	204.88	ug/L	98
97) dibromochloromethane	13.364	129	60687	21.37	ug/L	98
98) 1,2-dibromoethane	13.500	107	54461	20.79	ug/L	96
100) chlorobenzene	13.946	112	134938	21.36	ug/L	98
101) 1,1,1,2-tetrachloroethane	14.004	131	51829	21.07	ug/L	97
102) ethylbenzene	13.998	91	229055	21.88	ug/L	99
103) m,p-xylene	14.103	106	174193	42.58	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

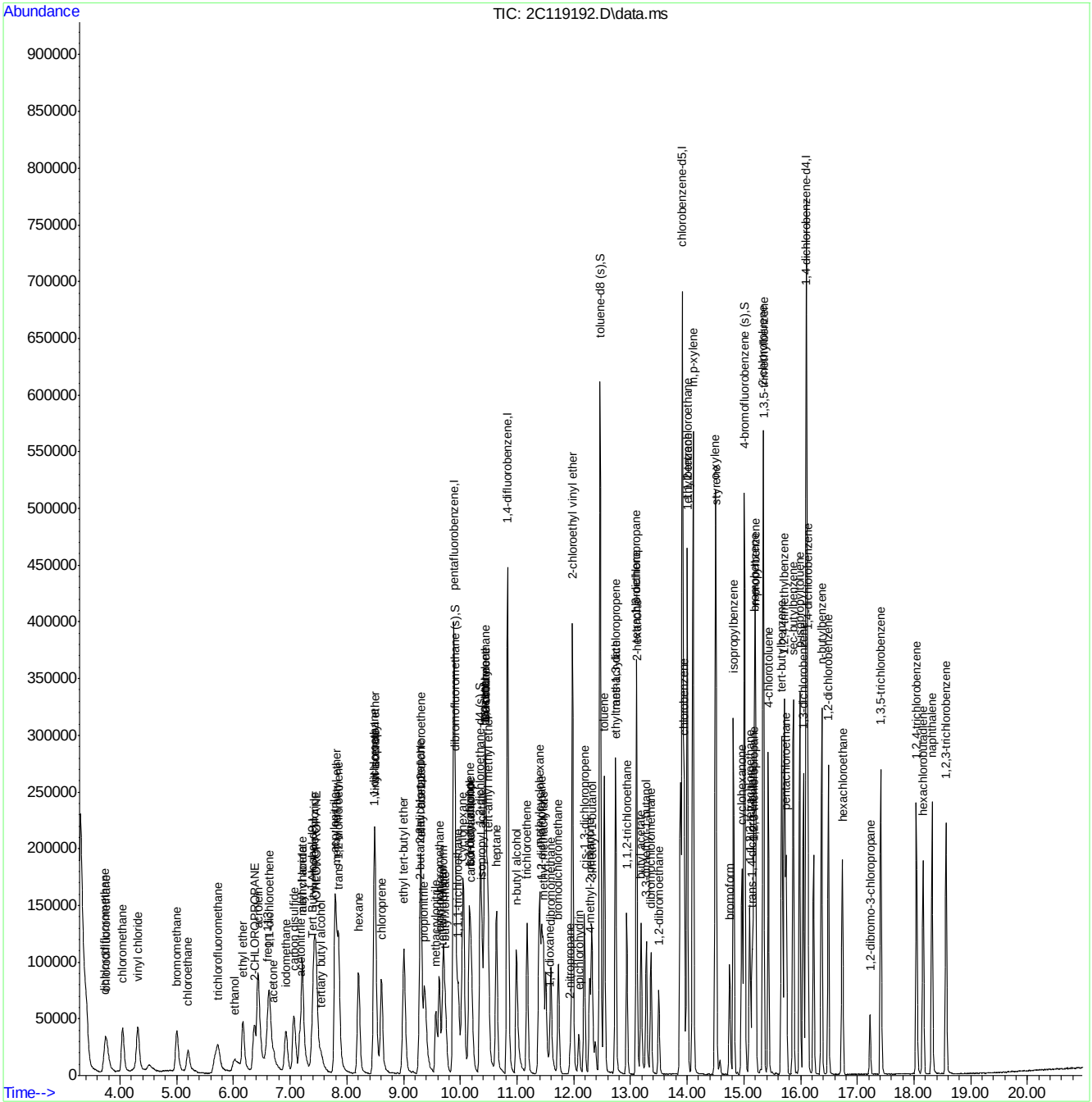
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.497	106	87966	21.79	ug/L	100
105) styrene	14.507	104	149900	21.96	ug/L	99
106) bromoform	14.753	173	48974	20.23	ug/L	96
108) isopropylbenzene	14.816	105	226374	21.65	ug/L	99
110) cyclohexanone	14.963	55	87534	192.00	ug/L	99
111) bromobenzene	15.189	156	65634	21.88	ug/L	98
112) 1,1,2,2-tetrachloroethane	15.105	83	78327	20.78	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	10298	19.87	ug/L	98
114) 1,2,3-trichloropropane	15.168	110	17888	20.10	ug/L	89
115) n-propylbenzene	15.204	91	256161	21.73	ug/L	98
116) 2-chlorotoluene	15.341	126	55552	21.07	ug/L	95
117) 4-chlorotoluene	15.430	91	162472	21.16	ug/L	98
118) 1,3,5-trimethylbenzene	15.346	105	184482	21.43	ug/L	98
119) tert-butylbenzene	15.666	119	161624	21.26	ug/L	98
120) pentachloroethane	15.744	167	42131	21.23	ug/L	98
121) 1,2,4-trimethylbenzene	15.713	105	184724	21.81	ug/L	98
122) sec-butylbenzene	15.870	105	246572	21.48	ug/L	99
123) 1,3-dichlorobenzene	16.048	146	117965	21.18	ug/L	97
124) p-isopropyltoluene	15.986	119	205760	21.64	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	116146	21.08	ug/L	98
127) 1,2-dichlorobenzene	16.489	146	116025	21.03	ug/L	99
128) n-butylbenzene	16.374	92	104568	21.26	ug/L	98
129) 1,2-dibromo-3-chloropr...	17.223	75	13841	20.82	ug/L	92
130) 1,3,5-trichlorobenzene	17.417	180	99203	21.53	ug/L	100
131) 1,2,4-trichlorobenzene	18.046	180	89132	20.83	ug/L	98
132) hexachlorobutadiene	18.161	225	50940	21.89	ug/L	99
133) naphthalene	18.319	128	204239	20.57	ug/L	99
134) 1,2,3-trichlorobenzene	18.565	180	84826	21.55	ug/L	98
135) hexachloroethane	16.741	201	41484	20.72	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119192.D
Acq On : 5 Jun 2014 7:11 pm
Operator : toanp
Sample : ic5480-20
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 10:39:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.402	65	173544	500.00	ug/L		-0.01
5) pentafluorobenzene	9.882	168	368445	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.837	114	457001	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	378625	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	203400	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.914	113	126891	50.83	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 101.66%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147210	50.54	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.08%				
84) toluene-d8 (s)	12.462	98	457449	52.11	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 104.22%				
109) 4-bromofluorobenzene (s)	15.010	95	165351	50.37	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.74%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	104130	258.98	ug/L		100
3) ethanol	6.024	45	113383	9103.59	ug/L	#	28
4) 1,4-dioxane	11.571	88	32428	1212.30	ug/L		100
11) chlorodifluoromethane	3.753	51	155033	55.10	ug/L		100
12) dichlorodifluoromethane	3.753	85	158070	52.85	ug/L		100
15) chloromethane	4.057	50	213269	52.97	ug/L		100
16) vinyl chloride	4.320	62	196091	54.91	ug/L		100
17) bromomethane	5.001	94	119141	53.22	ug/L		100
18) chloroethane	5.195	64	89194	55.06	ug/L		100
19) trichlorofluoromethane	5.719	101	205430	53.15	ug/L		100
21) ethyl ether	6.165	74	81434	54.04	ug/L		100
22) 2-CHLOROPROPANE	6.370	43	230415	50.34	ug/L	#	100
26) acrolein	6.427	56	385176	504.78	ug/L		100
27) 1,1-dichloroethene	6.632	96	124260	54.39	ug/L		100
28) acetone	6.684	58	16130	56.51	ug/L		100
29) allyl chloride	7.208	76	76371	52.00	ug/L		100
30) acetonitrile	7.166	40	162281	486.70	ug/L		100
31) iodomethane	6.925	142	241759	54.14	ug/L		100
32) iso-butyl alcohol	10.155	74	19018	531.78	ug/L		100
33) carbon disulfide	7.067	76	429935	55.61	ug/L		100
34) methylene chloride	7.429	84	142849	54.28	ug/L		100
35) 1-CHLOROPROPANE	7.460	42	256015	49.07	ug/L		100
36) methyl acetate	7.203	43	143927	53.43	ug/L		100
37) methyl tert butyl ether	7.806	73	408543	54.81	ug/L		100
38) trans-1,2-dichloroethene	7.853	96	132143	53.81	ug/L		100
39) di-isopropyl ether	8.488	45	486688	53.43	ug/L		100
40) 2-butanone	9.269	72	20775	53.42	ug/L		100
41) 1,1-dichloroethane	8.482	63	260497	55.08	ug/L		100
42) chloroprene	8.608	53	197243	54.99	ug/L		100
43) acrylonitrile	7.785	53	349186	273.99	ug/L		100
44) vinyl acetate	8.493	86	25947	51.98	ug/L		100
45) ethyl tert-butyl ether	9.007	59	441577	55.38	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.306	45	26168	51.10	ug/L	100
47) 2,2-dichloropropane	9.290	77	170330	52.57	ug/L	100
48) cis-1,2-dichloroethene	9.295	96	148007	55.26	ug/L	100
49) propionitrile	9.358	54	270306	535.82	ug/L	100
50) bromochloromethane	9.631	128	76009	54.76	ug/L	100
51) tetrahydrofuran	9.673	42	64698	49.22	ug/L	100
52) chloroform	9.699	83	235830	53.24	ug/L	100
53) t-butyl formate	9.736	59	119368	53.41	ug/L	100
56) freon 113	6.611	151	98840	52.40	ug/L	100
57) methacrylonitrile	9.563	41	111310	54.45	ug/L	100
58) 1,1,1-trichloroethane	9.961	97	188230	55.19	ug/L	100
59) Cyclohexane	10.040	84	183272	54.19	ug/L	100
62) Di-isobutylene	10.449	57	372621	55.21	ug/L	100
63) epichlorohydrin	12.090	57	92425	266.36	ug/L	100
64) n-butyl alcohol	10.983	56	245314	2508.65	ug/L	100
65) carbon tetrachloride	10.181	117	177254	55.40	ug/L	100
66) 1,1-dichloropropene	10.155	75	184968	56.32	ug/L	100
67) hexane	8.205	57	184396	53.78	ug/L	100
69) iso-octane	10.449	57	372621	53.07	ug/L	100
70) benzene	10.428	78	538748	53.38	ug/L	100
71) tert-amyl methyl ether	10.485	87	93058	53.16	ug/L	100
72) heptane	10.637	57	150461	54.37	ug/L	100
73) isopropyl acetate	10.380	43	346829	51.72	ug/L	100
74) 1,2-dichloroethane	10.443	62	176211	55.32	ug/L	100
75) trichloroethene	11.177	95	135925	55.00	ug/L	100
76) 2-nitropropane	11.938	41	61119	47.03	ug/L	100
77) 2-chloroethyl vinyl ether	11.974	63	487805	276.23	ug/L	100
78) methyl methacrylate	11.466	100	42408	53.83	ug/L	100
79) 1,2-dichloropropane	11.434	63	147855	55.94	ug/L	100
80) dibromomethane	11.592	93	91736	55.54	ug/L	100
81) methylcyclohexane	11.392	83	222262	53.95	ug/L	100
82) bromodichloromethane	11.728	83	188124	55.76	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	238334	56.73	ug/L	100
85) 4-methyl-2-pentanone	12.278	58	72805	54.11	ug/L	100
86) toluene	12.535	92	316977	55.67	ug/L	100
87) 3-methyl-1-butanol	12.315	55	147303	1001.57	ug/L	100
88) trans-1,3-dichloropropene	12.729	75	221050	57.02	ug/L	100
89) ethyl methacrylate	12.735	69	208181	55.47	ug/L	100
90) 1,1,2-trichloroethane	12.934	83	111981	55.17	ug/L	100
91) 2-hexanone	13.107	58	67082	52.47	ug/L	100
93) tetrachloroethene	13.107	164	117550	55.50	ug/L	100
94) 1,3-dichloropropane	13.107	76	211288	55.97	ug/L	100
95) butyl acetate	13.185	56	109906	50.16	ug/L	100
96) 3,3-dimethyl-1-butanol	13.275	57	164848	510.15	ug/L	100
97) dibromochloromethane	13.364	129	159376	56.65	ug/L	100
98) 1,2-dibromoethane	13.500	107	141894	54.65	ug/L	100
100) chlorobenzene	13.946	112	347222	55.46	ug/L	100
101) 1,1,1,2-tetrachloroethane	14.003	131	133643	54.82	ug/L	100
102) ethylbenzene	13.998	91	577338	55.64	ug/L	100
103) m,p-xylene	14.103	106	446136	110.04	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

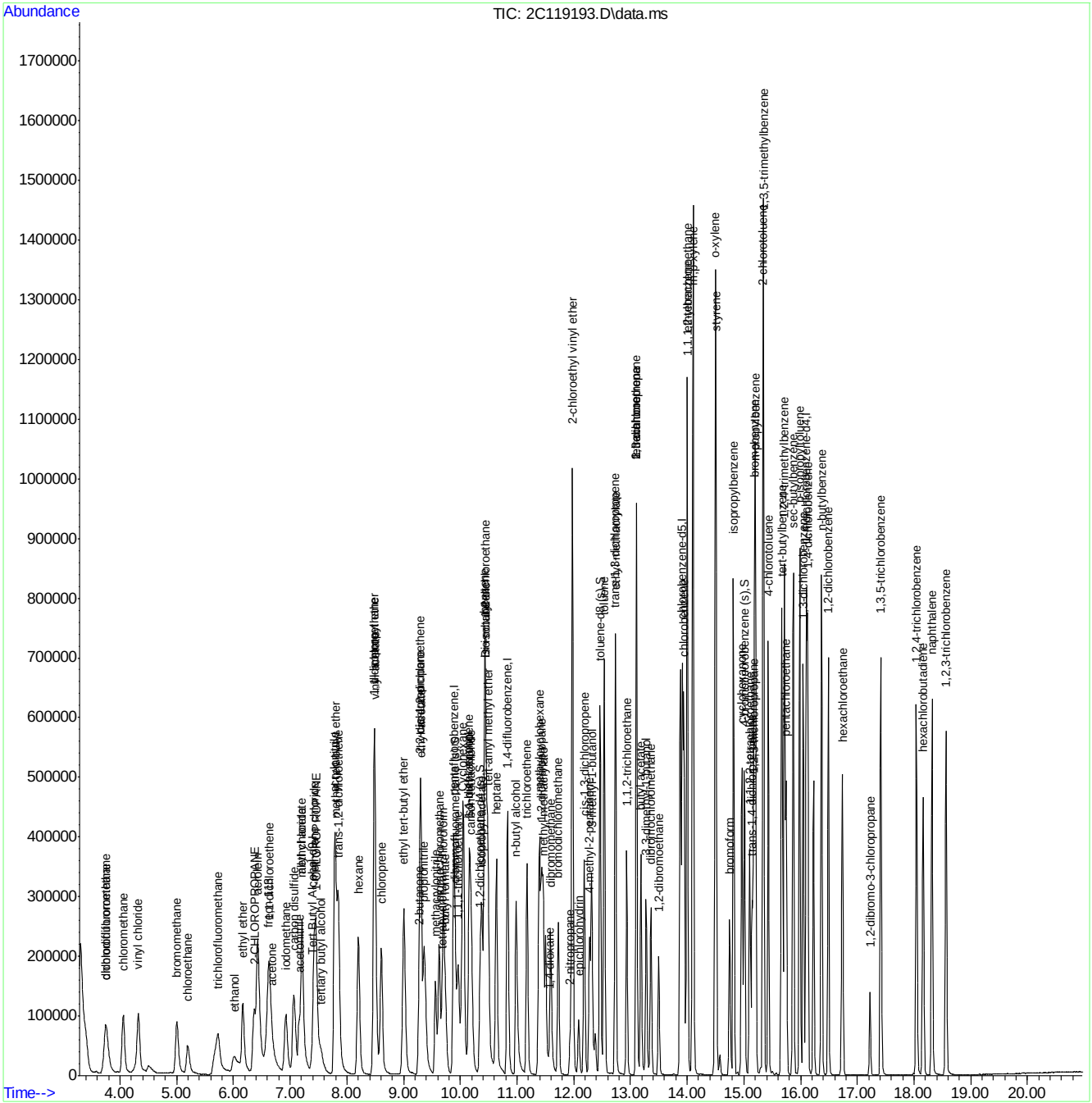
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.496	106	226478	56.62	ug/L	100
105) styrene	14.507	104	386935	57.19	ug/L	100
106) bromoform	14.748	173	131484	54.81	ug/L	100
108) isopropylbenzene	14.816	105	580663	55.80	ug/L	100
110) cyclohexanone	14.963	55	238770	526.29	ug/L	100
111) bromobenzene	15.188	156	165729	55.53	ug/L	100
112) 1,1,2,2-tetrachloroethane	15.104	83	201550	53.72	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	27227	52.80	ug/L	100
114) 1,2,3-trichloropropane	15.167	110	45849	51.78	ug/L	100
115) n-propylbenzene	15.204	91	647003	55.15	ug/L	100
116) 2-chlorotoluene	15.340	126	144433	55.06	ug/L	100
117) 4-chlorotoluene	15.430	91	414388	54.23	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	470486	54.91	ug/L	100
119) tert-butylbenzene	15.671	119	419602	55.46	ug/L	100
120) pentachloroethane	15.744	167	108358	54.87	ug/L	100
121) 1,2,4-trimethylbenzene	15.713	105	465005	55.18	ug/L	100
122) sec-butylbenzene	15.870	105	631399	55.28	ug/L	100
123) 1,3-dichlorobenzene	16.043	146	301822	54.46	ug/L	100
124) p-isopropyltoluene	15.985	119	539150	56.98	ug/L	100
126) 1,4-dichlorobenzene	16.122	146	298599	54.47	ug/L	100
127) 1,2-dichlorobenzene	16.489	146	297294	54.15	ug/L	100
128) n-butylbenzene	16.368	92	274118	56.01	ug/L	100
129) 1,2-dibromo-3-chloropr...	17.223	75	34973	52.86	ug/L	100
130) 1,3,5-trichlorobenzene	17.417	180	257167	56.07	ug/L	100
131) 1,2,4-trichlorobenzene	18.046	180	234109	54.97	ug/L	100
132) hexachlorobutadiene	18.161	225	127947	55.26	ug/L	100
133) naphthalene	18.318	128	535158	54.16	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	221469	56.55	ug/L	100
135) hexachloroethane	16.740	201	111607	56.02	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119193.D
Acq On : 5 Jun 2014 7:40 pm
Operator : toanp
Sample : icc5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 10:40:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/09/14 11:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	193047	500.00	ug/L	0.00
5) pentafluorobenzene	9.883	168	366378	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.837	114	454186	50.00	ug/L	0.00
92) chlorobenzene-d5	13.914	117	370616	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204523	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	245374	98.85	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 197.70%#			
55) 1,2-dichloroethane-d4 (s)	10.349	65	285190	98.46	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 196.92%#			
84) toluene-d8 (s)	12.462	98	862358	98.83	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 197.66%#			
109) 4-bromofluorobenzene (s)	15.010	95	319207	96.70	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 193.40%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.544	59	224559	502.08	ug/L	100
3) ethanol	6.018	45	264903	19120.44	ug/L #	28
4) 1,4-dioxane	11.566	88	83603	2809.69	ug/L	91
11) chlorodifluoromethane	3.753	51	298976	106.86	ug/L	98
12) dichlorodifluoromethane	3.748	85	289643	97.39	ug/L	99
15) chloromethane	4.063	50	408050	101.93	ug/L	100
16) vinyl chloride	4.330	62	373143	105.09	ug/L	100
17) bromomethane	5.001	94	210190	94.42	ug/L	99
18) chloroethane	5.190	64	165614	102.81	ug/L	98
19) trichlorofluoromethane	5.720	101	392898	102.23	ug/L	95
21) ethyl ether	6.165	74	155970	104.09	ug/L	92
22) 2-CHLOROPROPANE	6.364	43	443748	97.50	ug/L #	96
27) 1,1-dichloroethene	6.627	96	238702	105.07	ug/L	98
28) acetone	6.679	58	31075	109.48	ug/L	95
29) allyl chloride	7.209	76	149678	102.49	ug/L	91
30) acetonitrile	7.161	40	325193	980.80	ug/L	95
31) iodomethane	6.925	142	476291	107.25	ug/L	98
32) iso-butyl alcohol	10.155	74	38158	1088.47	ug/L	72
33) carbon disulfide	7.062	76	823242	107.08	ug/L	98
34) methylene chloride	7.424	84	274762	104.99	ug/L	98
35) 1-CHLOROPROPANE	7.460	42	465815	89.78	ug/L	99
36) methyl acetate	7.203	43	286610	106.99	ug/L	99
37) methyl tert butyl ether	7.806	73	786215	106.08	ug/L	99
38) trans-1,2-dichloroethene	7.848	96	249439	102.15	ug/L	99
39) di-isopropyl ether	8.488	45	923876	102.00	ug/L	94
40) 2-butanone	9.264	72	42233	109.22	ug/L #	84
41) 1,1-dichloroethane	8.483	63	488816	103.94	ug/L	100
42) chloroprene	8.603	53	371324	104.10	ug/L	100
43) acrylonitrile	7.780	53	682670	538.68	ug/L	100
44) vinyl acetate	8.488	86	51865	104.50	ug/L	94
45) ethyl tert-butyl ether	9.002	59	850833	107.32	ug/L	98
46) ethyl acetate	9.301	45	49947	98.09	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2,2-dichloropropane	9.295	77	317679	98.61	ug/L		99
48)	cis-1,2-dichloroethene	9.295	96	282140	105.94	ug/L		100
49)	propionitrile	9.358	54	544349	1085.14	ug/L		93
50)	bromochloromethane	9.626	128	148975	107.93	ug/L		98
51)	tetrahydrofuran	9.673	42	130055	99.51	ug/L		98
52)	chloroform	9.699	83	444379	100.88	ug/L		100
53)	t-butyl formate	9.736	59	233129	104.90	ug/L		99
56)	freon 113	6.606	151	190330	101.48	ug/L		99
57)	methacrylonitrile	9.563	41	220830	108.63	ug/L		99
58)	1,1,1-trichloroethane	9.961	97	358568	105.73	ug/L		99
59)	Cyclohexane	10.045	84	353449	105.09	ug/L	#	77
62)	Di-isobutylene	10.449	57	689861	102.84	ug/L		97
63)	epichlorohydrin	12.090	57	189484	549.46	ug/L		100
64)	n-butyl alcohol	10.984	56	571464	5880.16	ug/L		96
65)	carbon tetrachloride	10.181	117	336172	105.72	ug/L		100
66)	1,1-dichloropropene	10.155	75	347975	106.62	ug/L		99
67)	hexane	8.200	57	351148	103.05	ug/L		98
69)	iso-octane	10.449	57	689861	98.87	ug/L		100
70)	benzene	10.428	78	1009563	100.65	ug/L		99
71)	tert-amyl methyl ether	10.485	87	179771	103.32	ug/L		92
72)	heptane	10.638	57	295864	107.58	ug/L		98
73)	isopropyl acetate	10.381	43	670318	100.58	ug/L		100
74)	1,2-dichloroethane	10.444	62	331711	104.79	ug/L		98
75)	trichloroethene	11.178	95	261998	106.66	ug/L		100
76)	2-nitropropane	11.938	41	120104	93.00	ug/L		95
77)	2-chloroethyl vinyl ether	11.975	63	957712	545.69	ug/L		99
78)	methyl methacrylate	11.461	100	82550	105.43	ug/L		92
79)	1,2-dichloropropane	11.434	63	278829	106.14	ug/L		98
80)	dibromomethane	11.592	93	176490	107.52	ug/L		99
81)	methylcyclohexane	11.398	83	423025	103.32	ug/L		97
82)	bromodichloromethane	11.728	83	365684	109.06	ug/L		100
83)	cis-1,3-dichloropropene	12.184	75	460063	110.18	ug/L		99
85)	4-methyl-2-pentanone	12.279	58	144957	108.40	ug/L		96
86)	toluene	12.536	92	600774	106.16	ug/L		98
87)	3-methyl-1-butanol	12.315	55	317404	2171.53	ug/L		98
88)	trans-1,3-dichloropropene	12.730	75	423646	109.96	ug/L		97
89)	ethyl methacrylate	12.735	69	400612	107.40	ug/L		99
90)	1,1,2-trichloroethane	12.934	83	218098	108.12	ug/L		99
91)	2-hexanone	13.102	58	133659	105.19	ug/L		98
93)	tetrachloroethene	13.102	164	224727	108.40	ug/L		99
94)	1,3-dichloropropane	13.107	76	403928	109.30	ug/L		99
95)	butyl acetate	13.186	56	218753	102.15	ug/L		97
96)	3,3-dimethyl-1-butanol	13.280	57	349826	1105.99	ug/L		97
97)	dibromochloromethane	13.359	129	310957	112.91	ug/L		100
98)	1,2-dibromoethane	13.500	107	277836	109.33	ug/L		96
100)	chlorobenzene	13.946	112	662316	108.08	ug/L		99
101)	1,1,1,2-tetrachloroethane	14.004	131	257847	108.05	ug/L		99
102)	ethylbenzene	13.998	91	1081434	106.47	ug/L		100
103)	m,p-xylene	14.103	106	851859	214.65	ug/L		97
104)	o-xylene	14.496	106	439262	112.19	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

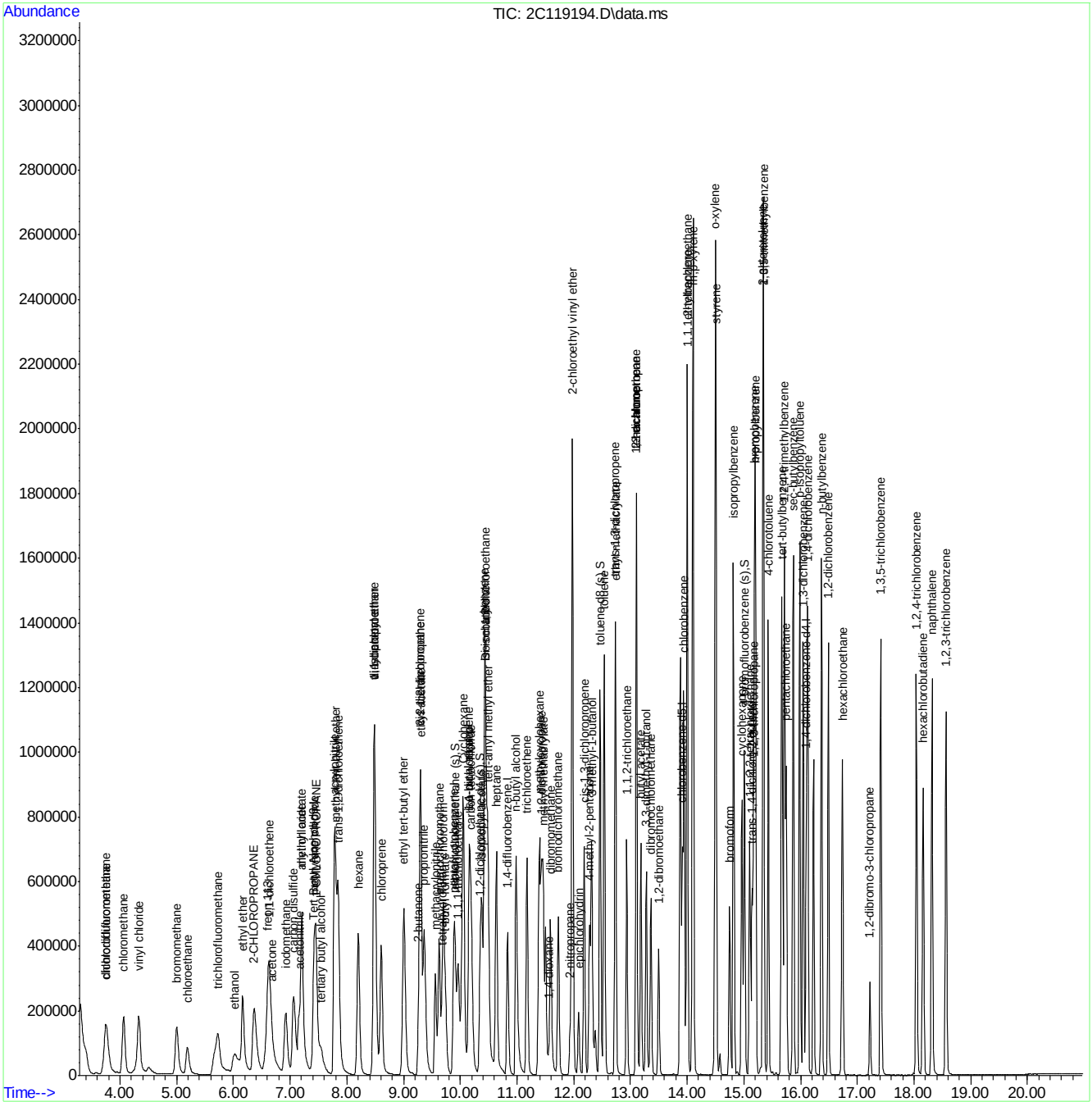
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	731306	110.42	ug/L	99
106) bromoform	14.748	173	263476	112.21	ug/L	98
108) isopropylbenzene	14.816	105	1103424	105.45	ug/L	99
110) cyclohexanone	14.963	55	404569	886.85	ug/L	99
111) bromobenzene	15.188	156	316085	105.32	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.105	83	396550	105.12	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	53708m	103.58	ug/L	
114) 1,2,3-trichloropropane	15.168	110	88960	99.92	ug/L	96
115) n-propylbenzene	15.204	91	1212220	102.77	ug/L	99
116) 2-chlorotoluene	15.341	126	279766	106.07	ug/L	98
117) 4-chlorotoluene	15.430	91	799798	104.09	ug/L	100
118) 1,3,5-trimethylbenzene	15.346	105	897429	104.17	ug/L	98
119) tert-butylbenzene	15.671	119	809047	106.34	ug/L	99
120) pentachloroethane	15.744	167	212366	106.94	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	885872	104.55	ug/L	99
122) sec-butylbenzene	15.870	105	1210302	105.38	ug/L	100
123) 1,3-dichlorobenzene	16.048	146	583513	104.70	ug/L	99
124) p-isopropyltoluene	15.985	119	1033346	108.61	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	581130	105.43	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	575432	104.23	ug/L	100
128) n-butylbenzene	16.368	92	528429	107.38	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	71508	107.49	ug/L	97
130) 1,3,5-trichlorobenzene	17.417	180	493886	107.10	ug/L	100
131) 1,2,4-trichlorobenzene	18.041	180	460644	107.57	ug/L	99
132) hexachlorobutadiene	18.161	225	242675	104.24	ug/L	99
133) naphthalene	18.319	128	1058666	106.55	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	434576	110.35	ug/L	98
135) hexachloroethane	16.740	201	218278	108.95	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 10:41:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

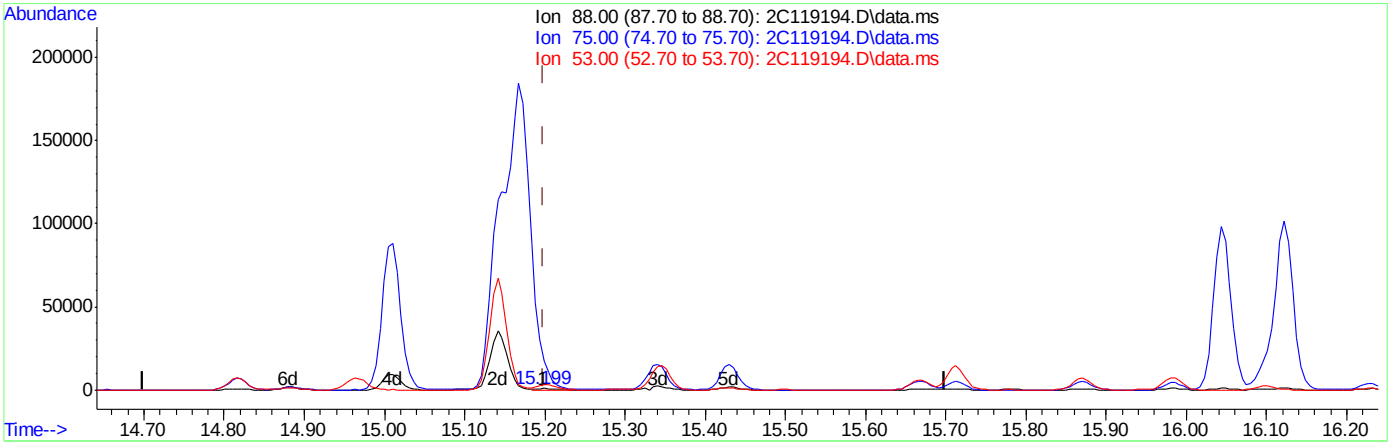
Sample Number:	V2C5480-IC5480	**Method:**	SW846 8260B
Lab FileID:	2C119194.D	**Analyst approved:**	06/06/14 11:06 Robert Szot
Injection Time:	06/05/14 20:09	**Supervisor approved:**	06/09/14 11:43 Jessica Reitan-Chu

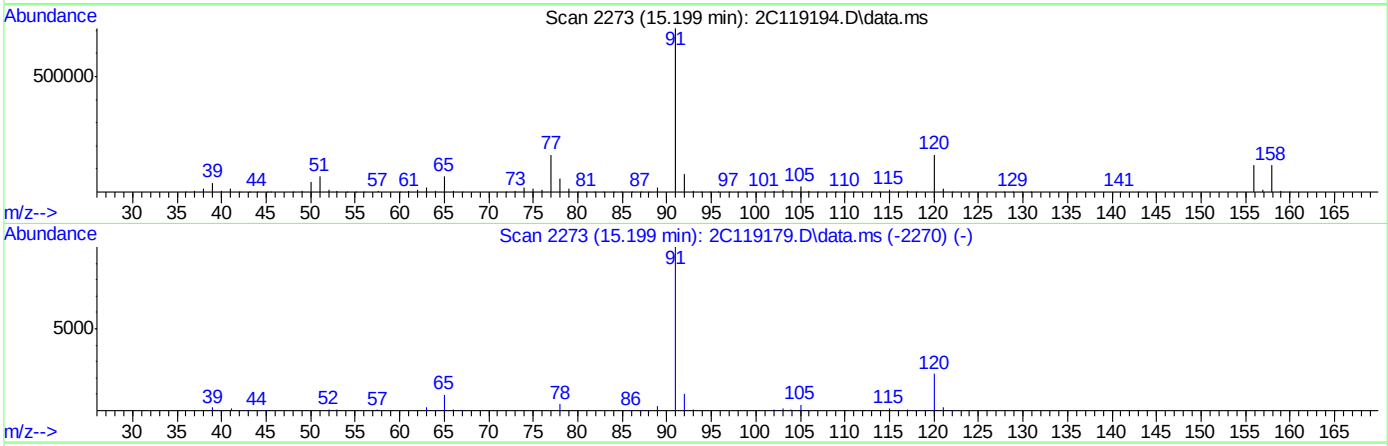
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		15.14	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 20:32:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119194.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.199min (-0.000) 4.53ug/L

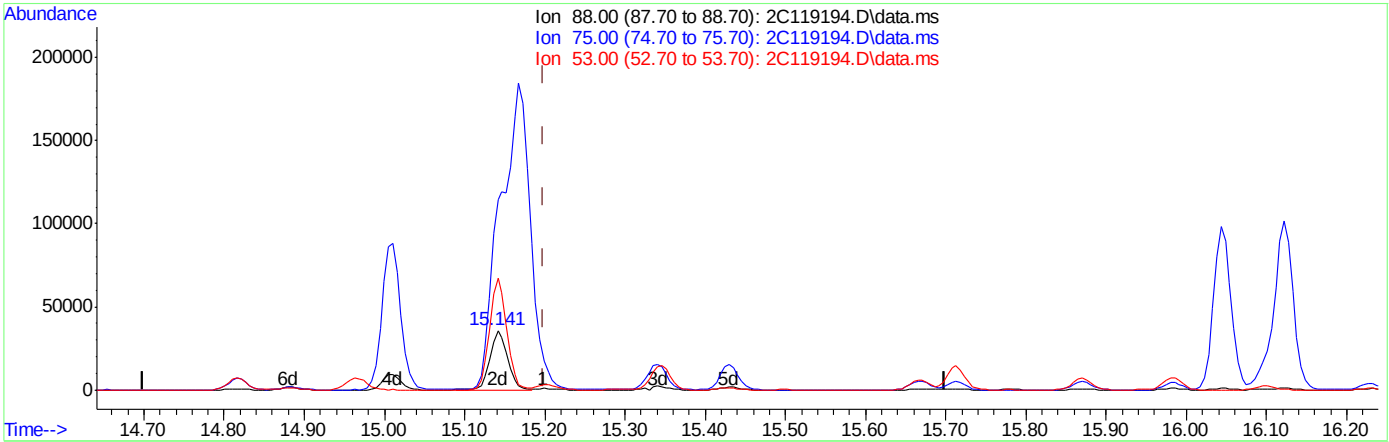
response 1273

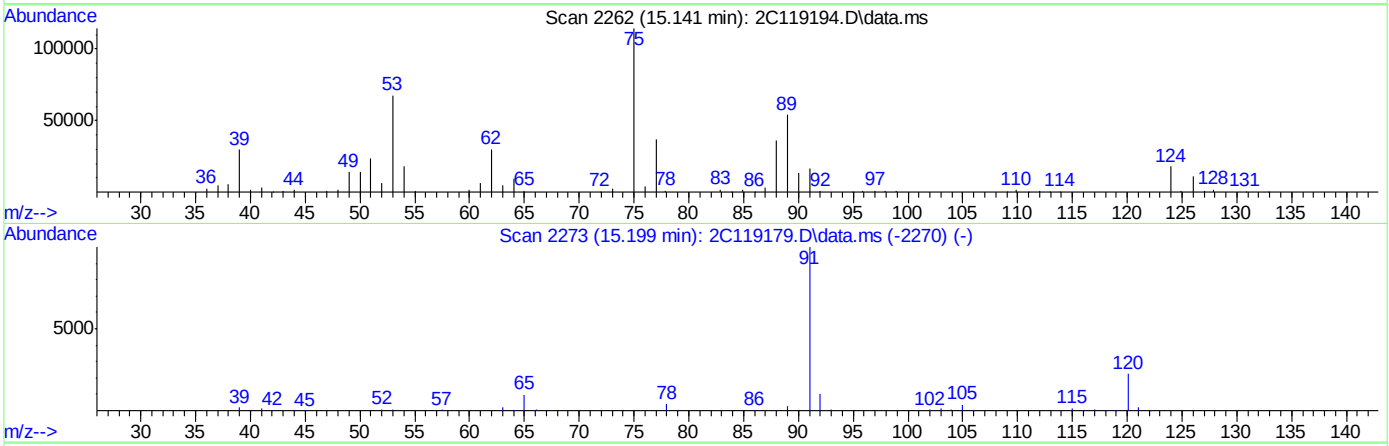
Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	2115.92#
53.00	416.30	400.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119194.D
Acq On : 5 Jun 2014 8:09 pm
Operator : toanp
Sample : ic5480-100
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 20:32:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119194.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.141min (-0.058) 191.28ug/L m

response 53708

Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	319.46#
53.00	416.30	188.52#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/09/14 11:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	158549	500.00	ug/L	0.00
5) pentafluorobenzene	9.883	168	376515	50.00	ug/L	0.00
61) 1,4-difluorobenzene	10.837	114	467644	50.00	ug/L	0.00
92) chlorobenzene-d5	13.915	117	375806	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	16.101	152	204446	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	9.909	113	496917	194.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	389.58%#		
55) 1,2-dichloroethane-d4 (s)	10.349	65	564201	189.54	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery =	379.08%#		
84) toluene-d8 (s)	12.467	98	1716362	191.05	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	382.10%#		
109) 4-bromofluorobenzene (s)	15.010	95	635754	192.66	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery =	385.32%#		
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.549	59	366704	998.29	ug/L	100
3) ethanol	6.019	45	305833	26877.88	ug/L #	31
4) 1,4-dioxane	11.571	88	97114	3973.91	ug/L	92
11) chlorodifluoromethane	3.754	51	603111	209.76	ug/L	98
12) dichlorodifluoromethane	3.738	85	600600	196.51	ug/L	99
15) chloromethane	4.073	50	830658	201.90	ug/L	99
16) vinyl chloride	4.346	62	760565	208.42	ug/L	100
17) bromomethane	5.001	94	424117	185.40	ug/L	99
18) chloroethane	5.190	64	339916	205.32	ug/L	98
19) trichlorofluoromethane	5.720	101	799057	202.30	ug/L	95
21) ethyl ether	6.165	74	317599	206.25	ug/L	99
22) 2-CHLOROPROPANE	6.370	43	891318	190.56	ug/L #	97
26) acrolein	6.443	56	898	1.15	ug/L #	1
27) 1,1-dichloroethene	6.632	96	481507	206.24	ug/L	99
28) acetone	6.674	58	57889	198.45	ug/L	93
29) allyl chloride	7.209	76	304008	202.56	ug/L	93
30) acetonitrile	7.151	40	514960	1511.32	ug/L	91
31) iodomethane	6.926	142	959744	210.30	ug/L	99
32) iso-butyl alcohol	10.161	74	69837	1950.37	ug/L	33
33) carbon disulfide	7.067	76	1659315	210.01	ug/L	99
34) methylene chloride	7.429	84	552763	205.54	ug/L	97
35) 1-CHLOROPROPANE	7.455	42	911631	170.98	ug/L	98
36) methyl acetate	7.203	43	548816	199.36	ug/L	98
37) methyl tert butyl ether	7.806	73	1524244	200.12	ug/L	99
38) trans-1,2-dichloroethene	7.848	96	501691	199.92	ug/L	98
39) di-isopropyl ether	8.488	45	1782874	191.53	ug/L	95
40) 2-butanone	9.264	72	79540	200.15	ug/L	95
41) 1,1-dichloroethane	8.477	63	974964	201.73	ug/L	99
42) chloroprene	8.603	53	746351	203.60	ug/L	98
43) acrylonitrile	7.780	53	1288027	989.00	ug/L	99
44) vinyl acetate	8.488	86	103692	203.29	ug/L	79
45) ethyl tert-butyl ether	9.007	59	1650211	202.54	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.301	45	105723	202.04	ug/L	86
47)	2,2-dichloropropane	9.295	77	623461	188.31	ug/L	97
48)	cis-1,2-dichloroethene	9.295	96	564098	206.12	ug/L	99
49)	propionitrile	9.358	54	981944	1904.76	ug/L	87
50)	bromochloromethane	9.626	128	296162	208.78	ug/L	98
51)	tetrahydrofuran	9.673	42	237350	176.71	ug/L	99
52)	chloroform	9.699	83	889326	196.45	ug/L	99
53)	t-butyl formate	9.736	59	444607	194.67	ug/L	98
56)	freon 113	6.606	151	388867	201.75	ug/L	98
57)	methacrylonitrile	9.558	41	431535	206.57	ug/L	98
58)	1,1,1-trichloroethane	9.961	97	714727	205.08	ug/L	99
59)	Cyclohexane	10.040	84	704208	203.75	ug/L	97
62)	Di-isobutylene	10.449	57	1342013	194.31	ug/L	96
63)	epichlorohydrin	12.085	57	345827	973.97	ug/L	98
64)	n-butyl alcohol	10.984	56	802686	8021.66	ug/L	96
65)	carbon tetrachloride	10.182	117	676532	206.63	ug/L	99
66)	1,1-dichloropropene	10.155	75	703090	209.22	ug/L	99
67)	hexane	8.200	57	710928	202.64	ug/L	98
69)	iso-octane	10.449	57	1342013	186.80	ug/L	99
70)	benzene	10.428	78	2004801	194.12	ug/L	100
71)	tert-amyl methyl ether	10.486	87	352188	196.60	ug/L	93
72)	heptane	10.638	57	612432	216.28	ug/L	98
73)	isopropyl acetate	10.381	43	1272712	185.47	ug/L	99
74)	1,2-dichloroethane	10.444	62	643004	197.28	ug/L	98
75)	trichloroethene	11.178	95	530590	209.79	ug/L	99
76)	2-nitropropane	11.938	41	231304	173.95	ug/L	98
77)	2-chloroethyl vinyl ether	11.975	63	1877489	1038.99	ug/L	98
78)	methyl methacrylate	11.461	100	165386	205.16	ug/L	93
79)	1,2-dichloropropane	11.435	63	554625	205.04	ug/L	99
80)	dibromomethane	11.592	93	354385	209.69	ug/L	99
81)	methylcyclohexane	11.393	83	843849	200.17	ug/L	97
82)	bromodichloromethane	11.728	83	728750	211.09	ug/L	99
83)	cis-1,3-dichloropropene	12.184	75	920366	214.08	ug/L	98
85)	4-methyl-2-pentanone	12.279	58	278463	202.25	ug/L	95
86)	toluene	12.536	92	1201689	206.24	ug/L	97
87)	3-methyl-1-butanol	12.315	55	493731	3280.66	ug/L	97
88)	trans-1,3-dichloropropene	12.730	75	841914	212.23	ug/L	94
89)	ethyl methacrylate	12.735	69	782301	203.70	ug/L	98
90)	1,1,2-trichloroethane	12.934	83	433531	208.74	ug/L	99
91)	2-hexanone	13.102	58	253382	193.68	ug/L	94
93)	tetrachloroethene	13.102	164	451489	214.77	ug/L	98
94)	1,3-dichloropropane	13.107	76	789753	210.76	ug/L	97
95)	butyl acetate	13.186	56	431723	198.94	ug/L	96
96)	3,3-dimethyl-1-butanol	13.275	57	585387	1825.16	ug/L	97
97)	dibromochloromethane	13.359	129	628098	224.92	ug/L	100
98)	1,2-dibromoethane	13.500	107	558100	216.58	ug/L	95
100)	chlorobenzene	13.946	112	1333850	214.66	ug/L	99
101)	1,1,1,2-tetrachloroethane	14.004	131	513892	212.37	ug/L	100
102)	ethylbenzene	13.998	91	2139121	207.70	ug/L	97
103)	m,p-xylene	14.103	106	1704476	423.56	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration

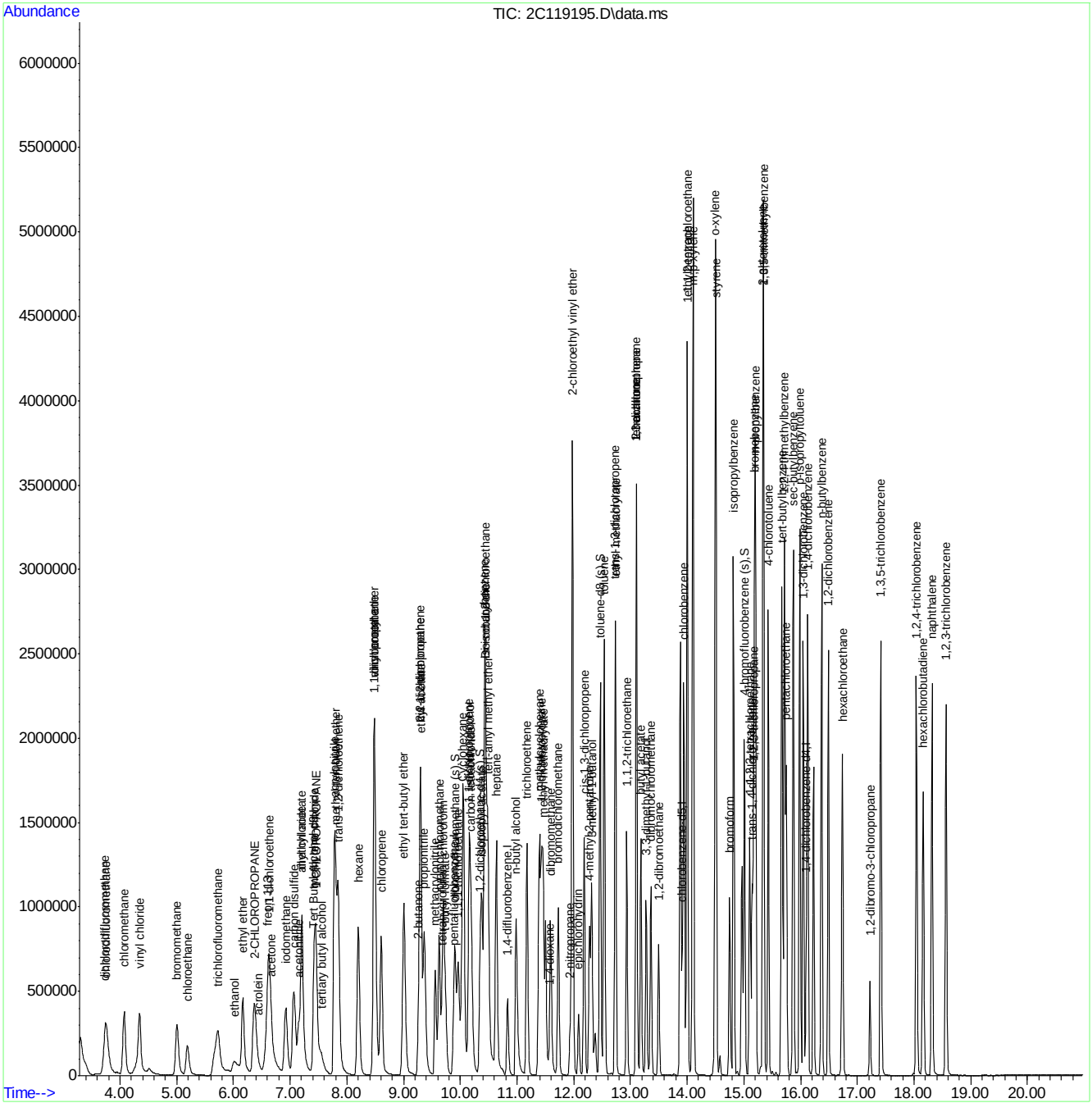
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) o-xylene	14.497	106	872148	219.67	ug/L	91
105) styrene	14.507	104	1431874	213.22	ug/L	99
106) bromoform	14.748	173	522437	219.42	ug/L	96
108) isopropylbenzene	14.816	105	2183840	208.79	ug/L	98
111) bromobenzene	15.189	156	624555	208.19	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.105	83	772751	204.91	ug/L	98
113) trans-1,4-dichloro-2-b...	15.141	88	105541m	203.61	ug/L	
114) 1,2,3-trichloropropane	15.168	110	173632	195.10	ug/L	95
115) n-propylbenzene	15.204	91	2385435	202.30	ug/L	98
116) 2-chlorotoluene	15.341	126	560778	212.69	ug/L	92
117) 4-chlorotoluene	15.430	91	1583544	206.17	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	1752857	203.54	ug/L	98
119) tert-butylbenzene	15.671	119	1627662	214.03	ug/L	99
120) pentachloroethane	15.744	167	420458	211.81	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	1726067	203.79	ug/L	99
122) sec-butylbenzene	15.870	105	2380495	207.35	ug/L	99
123) 1,3-dichlorobenzene	16.048	146	1140714	204.76	ug/L	99
124) p-isopropyltoluene	15.986	119	2001844	210.48	ug/L	98
126) 1,4-dichlorobenzene	16.122	146	1136857	206.32	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	1106118	200.43	ug/L	99
128) n-butylbenzene	16.374	92	1013468	206.01	ug/L	96
129) 1,2-dibromo-3-chloropr...	17.223	75	135761	204.16	ug/L	98
130) 1,3,5-trichlorobenzene	17.417	180	957181	207.64	ug/L	98
131) 1,2,4-trichlorobenzene	18.046	180	892612	208.52	ug/L	99
132) hexachlorobutadiene	18.161	225	469296	201.65	ug/L	97
133) naphthalene	18.319	128	2009408	202.30	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	837720	212.80	ug/L	97
135) hexachloroethane	16.741	201	426395	212.91	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 10:43:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jun 06 09:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

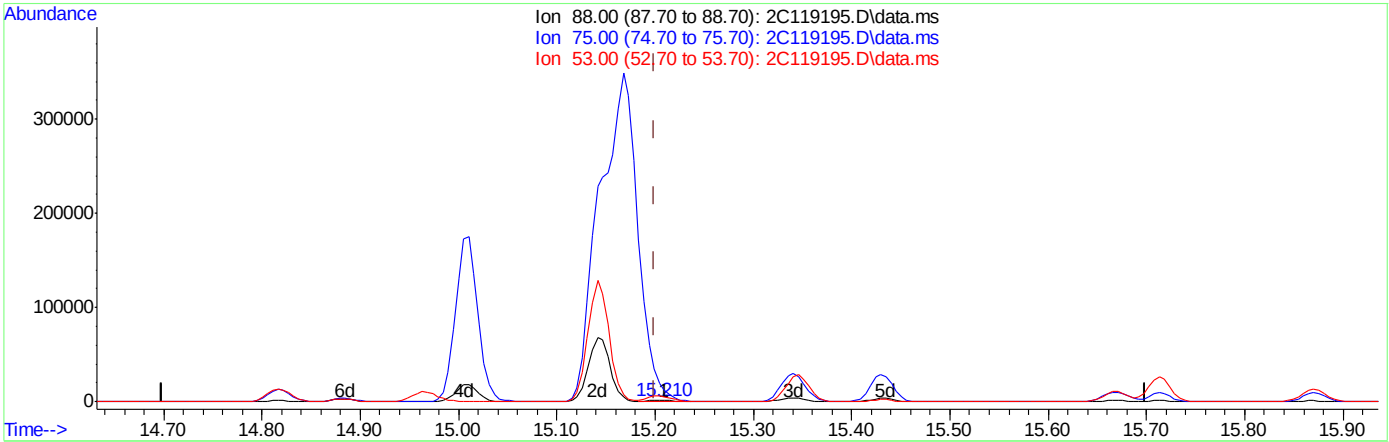
Sample Number:	V2C5480-IC5480	**Method:**	SW846 8260B
Lab FileID:	2C119195.D	**Analyst approved:**	06/06/14 11:06 Robert Szot
Injection Time:	06/05/14 20:37	**Supervisor approved:**	06/09/14 11:43 Jessica Reitan-Chu

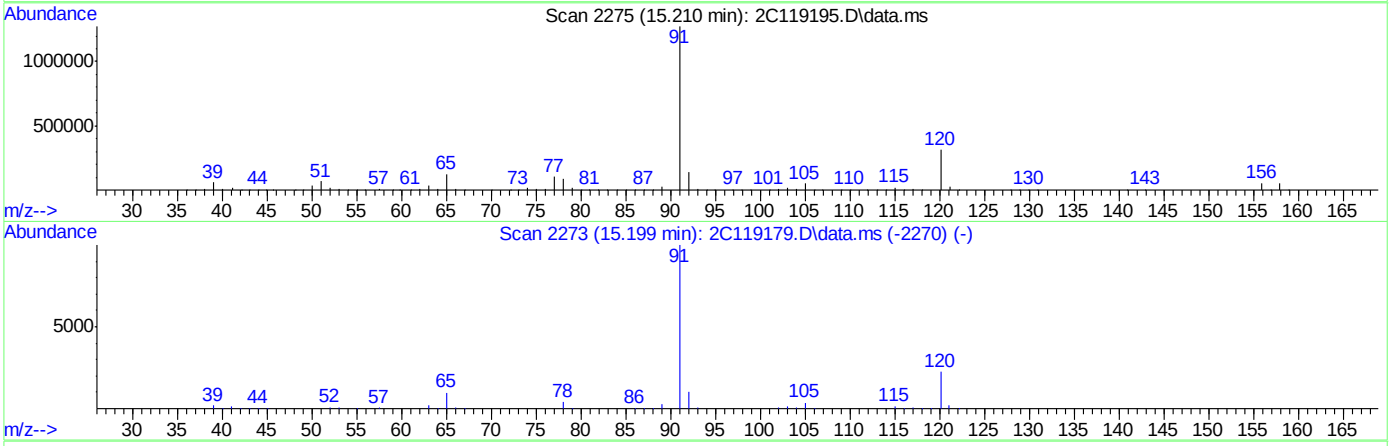
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		15.14	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 21:01:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration





TIC: 2C119195.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.210min (+0.011) 7.96ug/L

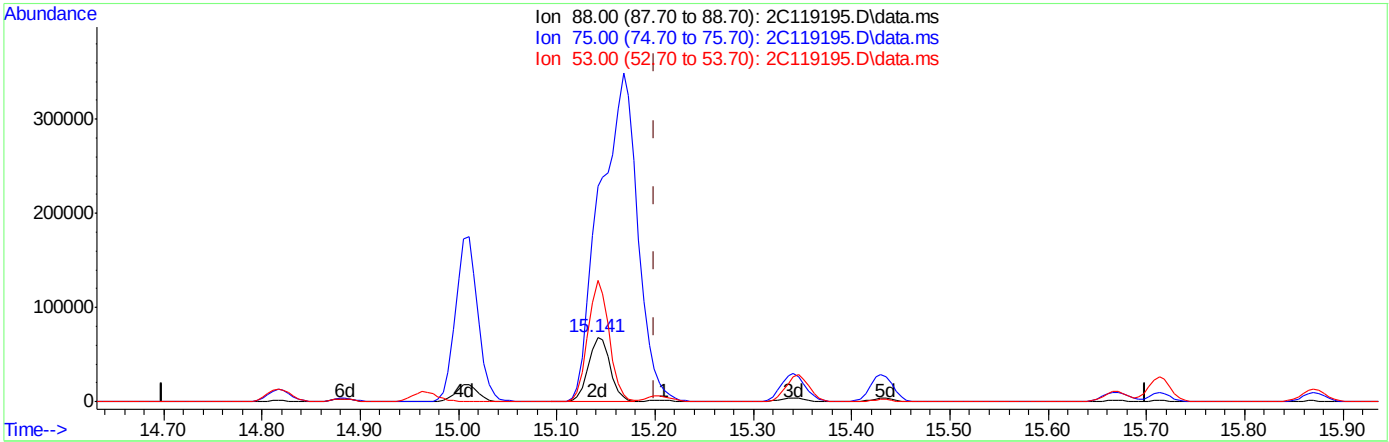
response 2235

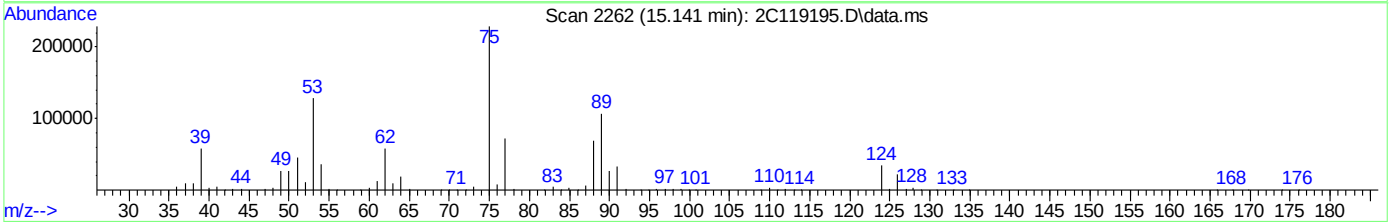
Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	826.93#
53.00	416.30	392.36
0.00	0.00	0.00

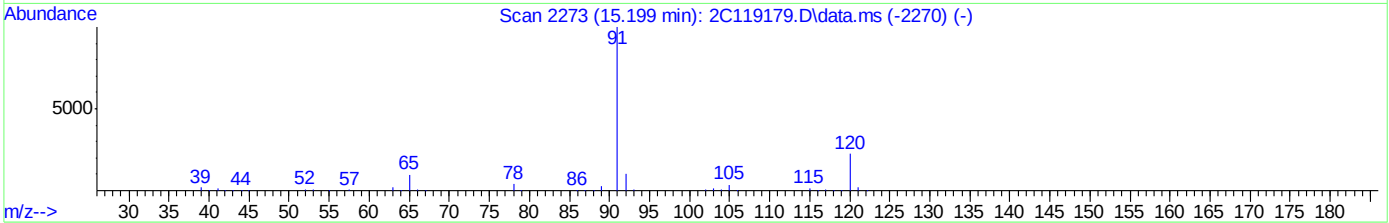
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119195.D
Acq On : 5 Jun 2014 8:37 pm
Operator : toanp
Sample : ic5480-200
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 21:01:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Thu Jun 05 14:45:30 2014
Response via : Initial Calibration







TIC: 2C119195.D\data.ms

(113) trans-1,4-dichloro-2-butene

15.141min (-0.058) 376.02ug/L m

response 105541

Ion	Exp%	Act%
88.00	100	100
75.00	2260.30	334.04#
53.00	416.30	188.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.403	65	191453	500.00	ug/L		-0.01
5) pentafluorobenzene	9.883	168	381043	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.832	114	469153	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	402382	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	209501	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	127618	49.43	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.86%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	147937	49.11	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.22%				
84) toluene-d8 (s)	12.467	98	463896	51.47	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.94%				
109) 4-bromofluorobenzene (s)	15.010	95	170093	50.30	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.60%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.539	59	118281	266.66	ug/L		100
3) ethanol	6.018	45	148055	5835.62	ug/L		96
4) 1,4-dioxane	11.566	88	43654	1479.32	ug/L		94
11) chlorodifluoromethane	3.753	51	120013	41.24	ug/L		96
12) dichlorodifluoromethane	3.743	85	153887	49.75	ug/L		99
15) chloromethane	4.052	50	216112	51.89	ug/L		99
16) vinyl chloride	4.320	62	197268	53.42	ug/L		98
17) bromomethane	4.996	94	117028	50.55	ug/L		97
18) chloroethane	5.185	64	91499	54.61	ug/L		98
19) trichlorofluoromethane	5.720	101	208547	52.17	ug/L		95
21) ethyl ether	6.165	74	83862	53.81	ug/L		93
22) 2-CHLOROPROPANE	6.364	43	240662	50.82	ug/L	#	95
26) acrolein	6.427	56	350645	444.24	ug/L		100
27) 1,1-dichloroethene	6.627	96	127355	55.25	ug/L		99
28) acetone	6.684	58	16538	56.02	ug/L		95
29) allyl chloride	7.209	76	91481	58.78	ug/L		97
30) acetonitrile	7.161	40	170619	494.90	ug/L		97
31) iodomethane	6.915	142	248397	52.02	ug/L		99
32) iso-butyl alcohol	10.160	74	19824	536.12	ug/L		97
33) carbon disulfide	7.057	76	450412	56.33	ug/L		99
34) methylene chloride	7.424	84	143490	52.72	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	249872	46.31	ug/L		99
36) methyl acetate	7.203	43	127717	45.77	ug/L		98
37) methyl tert butyl ether	7.801	73	794968	103.13	ug/L		99
38) trans-1,2-dichloroethene	7.848	96	129882	51.14	ug/L		100
39) di-isopropyl ether	8.488	45	484979	51.48	ug/L		95
40) 2-butanone	9.269	72	21453	53.34	ug/L		96
41) 1,1-dichloroethane	8.477	63	263653	56.30	ug/L		99
42) chloroprene	8.603	53	173541	45.02	ug/L		99
43) acrylonitrile	7.785	53	351760	266.89	ug/L		99
44) vinyl acetate	8.493	86	28296	54.82	ug/L		92
45) ethyl tert-butyl ether	9.002	59	432444	52.45	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	ethyl acetate	9.306	45	28994	54.75	ug/L	95
47)	2,2-dichloropropane	9.290	77	165392	49.36	ug/L	99
48)	cis-1,2-dichloroethene	9.295	96	149525	53.99	ug/L	98
49)	propionitrile	9.358	54	284509	545.33	ug/L	99
50)	bromochloromethane	9.626	128	77184	53.77	ug/L	99
51)	tetrahydrofuran	9.673	42	65944	48.51	ug/L	98
52)	chloroform	9.699	83	237167	51.77	ug/L	99
53)	t-butyl formate	9.730	59	123641	53.49	ug/L	99
56)	freon 113	6.600	151	94454	48.42	ug/L	94
57)	methacrylonitrile	9.563	41	109961	52.01	ug/L	98
58)	1,1,1-trichloroethane	9.961	97	191094	54.18	ug/L	97
59)	Cyclohexane	10.040	84	187229	53.53	ug/L	98
63)	epichlorohydrin	12.085	57	101239	284.21	ug/L	98
64)	n-butyl alcohol	10.984	56	300545	2993.84	ug/L	98
65)	carbon tetrachloride	10.181	117	180889	55.07	ug/L	99
66)	1,1-dichloropropene	10.155	75	179877	53.36	ug/L	96
67)	hexane	8.200	57	209342	59.48	ug/L	97
69)	iso-octane	10.449	57	323414	44.87	ug/L	98
70)	benzene	10.428	78	544299	52.53	ug/L	99
71)	tert-amyl methyl ether	10.486	87	92660	51.56	ug/L	92
72)	heptane	10.638	57	131363	46.24	ug/L	99
73)	isopropyl acetate	10.381	43	371661	53.20	ug/L	99
74)	1,2-dichloroethane	10.444	62	176739	54.05	ug/L	99
75)	trichloroethene	11.178	95	138680	54.66	ug/L	99
76)	2-nitropropane	11.938	41	63962	47.95	ug/L	98
77)	2-chloroethyl vinyl ether	11.975	63	495703	273.44	ug/L	100
78)	methyl methacrylate	11.461	100	43559	53.86	ug/L	95
79)	1,2-dichloropropane	11.435	63	149401	55.06	ug/L	100
80)	dibromomethane	11.592	93	91104	53.73	ug/L	97
81)	methylcyclohexane	11.398	83	194063	45.89	ug/L	99
82)	bromodichloromethane	11.728	83	191887	56.17	ug/L	100
83)	cis-1,3-dichloropropene	12.184	75	235831	54.68	ug/L	99
85)	4-methyl-2-pentanone	12.279	58	75564	54.71	ug/L	99
86)	toluene	12.536	92	319288	54.62	ug/L	99
87)	3-methyl-1-butanol	12.315	55	170230	1127.48	ug/L	99
88)	trans-1,3-dichloropropene	12.730	75	212518	53.40	ug/L	99
89)	ethyl methacrylate	12.735	69	206904	53.70	ug/L	100
90)	1,1,2-trichloroethane	12.934	83	113266	54.36	ug/L	99
91)	2-hexanone	13.107	58	70282	53.55	ug/L	95
93)	tetrachloroethene	13.102	164	119774	53.21	ug/L	99
94)	1,3-dichloropropane	13.107	76	213720	53.27	ug/L	99
95)	butyl acetate	13.186	56	113584	51.37	ug/L	100
96)	3,3-dimethyl-1-butanol	13.280	57	180325	525.10	ug/L	97
97)	dibromochloromethane	13.359	129	158739	53.09	ug/L	98
98)	1,2-dibromoethane	13.500	107	142455	51.63	ug/L	97
100)	chlorobenzene	13.946	112	358436	53.88	ug/L	99
101)	1,1,1,2-tetrachloroethane	14.004	131	134459	51.90	ug/L	99
102)	ethylbenzene	13.998	91	582681	52.84	ug/L	99
103)	m,p-xylene	14.103	106	448390	104.07	ug/L	100
104)	o-xylene	14.496	106	230119	54.13	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

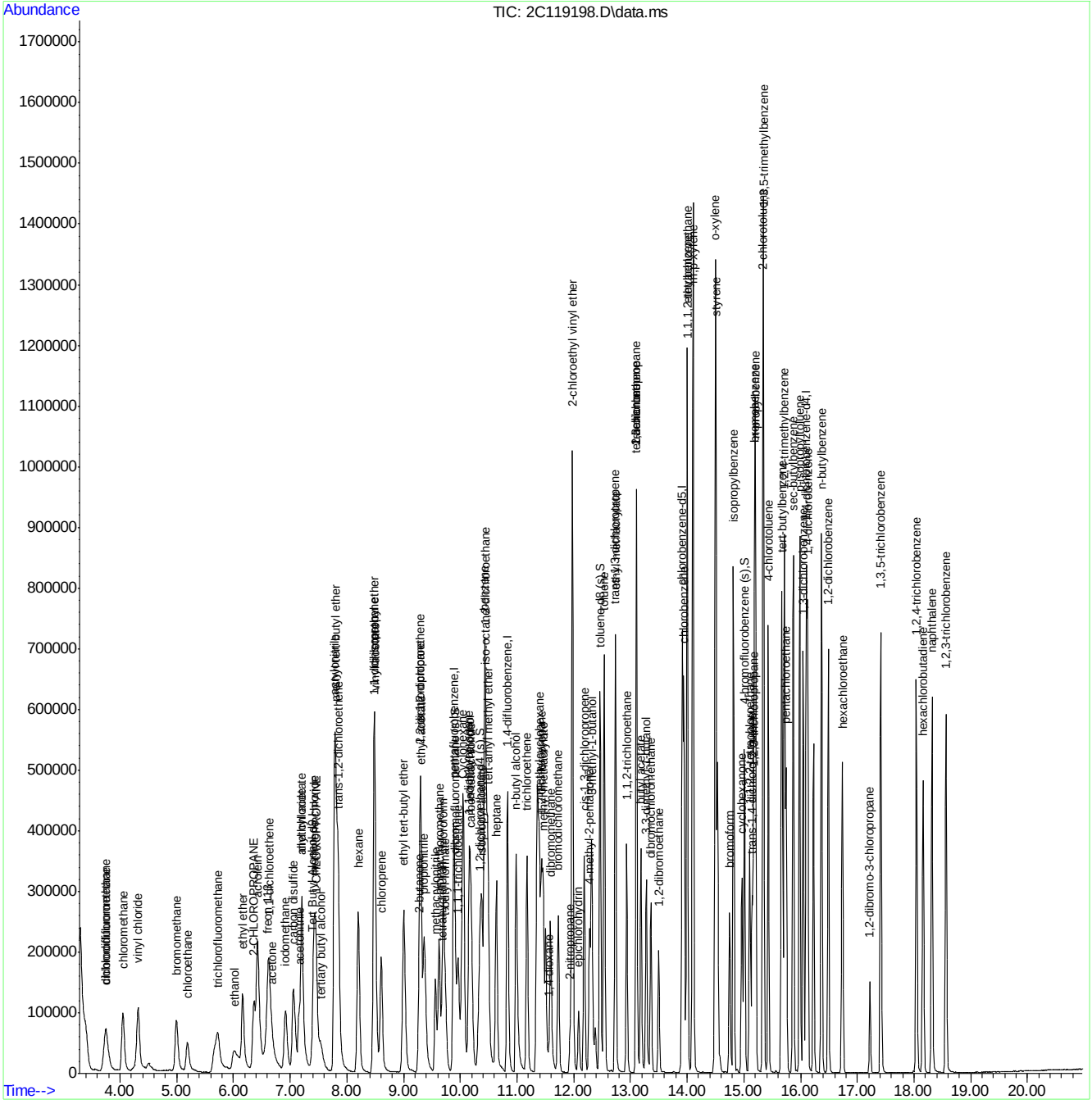
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	391023	54.38	ug/L	100
106) bromoform	14.748	173	132354	51.92	ug/L	98
108) isopropylbenzene	14.816	105	587140	54.78	ug/L	100
110) cyclohexanone	14.963	55	150870	296.14	ug/L	99
111) bromobenzene	15.188	156	168611	54.85	ug/L	97
112) 1,1,2,2-tetrachloroethane	15.105	83	199764	51.69	ug/L	99
113) trans-1,4-dichloro-2-b...	15.141	88	26990	52.00	ug/L	98
114) 1,2,3-trichloropropane	15.168	110	46064	50.51	ug/L	96
115) n-propylbenzene	15.204	91	683058	56.53	ug/L	99
116) 2-chlorotoluene	15.335	126	146434	54.20	ug/L	99
117) 4-chlorotoluene	15.430	91	417864	53.09	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	473650	53.67	ug/L	100
119) tert-butylbenzene	15.671	119	428771	55.02	ug/L	100
120) pentachloroethane	15.744	167	109975	54.07	ug/L	99
121) 1,2,4-trimethylbenzene	15.713	105	495925	57.14	ug/L	99
122) sec-butylbenzene	15.870	105	639363	54.35	ug/L	100
123) 1,3-dichlorobenzene	16.048	146	305862	53.58	ug/L	98
124) p-isopropyltoluene	15.985	119	545546	55.98	ug/L	99
126) 1,4-dichlorobenzene	16.122	146	302373	53.01	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	304038	53.76	ug/L	99
128) n-butylbenzene	16.368	92	285379	56.61	ug/L	99
129) 1,2-dibromo-3-chloropr...	17.223	75	36431	53.46	ug/L	100
130) 1,3,5-trichlorobenzene	17.417	180	268965	56.94	ug/L	100
131) 1,2,4-trichlorobenzene	18.041	180	241176	54.98	ug/L	99
132) hexachlorobutadiene	18.161	225	129683	54.38	ug/L	99
133) naphthalene	18.319	128	539668	53.02	ug/L	99
134) 1,2,3-trichlorobenzene	18.565	180	224262	55.59	ug/L	98
135) hexachloroethane	16.740	201	112293	54.72	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C119198.D
Acq On : 5 Jun 2014 10:03 pm
Operator : toanp
Sample : icv5480-50
Misc : MS68133, V2C5480,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 09:28:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.402	65	201391	500.00	ug/L		-0.01
5) pentafluorobenzene	9.882	168	387807	50.00	ug/L		0.00
61) 1,4-difluorobenzene	10.831	114	453463	50.00	ug/L		0.00
92) chlorobenzene-d5	13.914	117	382162	50.00	ug/L		0.00
107) 1,4-dichlorobenzene-d4	16.101	152	206759	50.00	ug/L		0.00
System Monitoring Compounds							
54) dibromofluoromethane (s)	9.909	113	128334	48.84	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.68%				
55) 1,2-dichloroethane-d4 (s)	10.349	65	150254	49.01	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.02%				
84) toluene-d8 (s)	12.462	98	472653	54.26	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.52%				
109) 4-bromofluorobenzene (s)	15.010	95	170308	51.03	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.544	59	49936	107.02	ug/L		100
3) ethanol	6.050	45	59516	2230.08	ug/L		97
4) 1,4-dioxane	11.565	88	20877	672.56	ug/L		91
11) chlorodifluoromethane	3.753	51	50730	17.13	ug/L		99
12) dichlorodifluoromethane	3.743	85	62517	19.86	ug/L		99
15) chloromethane	4.047	50	84150	19.85	ug/L		98
16) vinyl chloride	4.314	62	74950	19.94	ug/L		100
17) bromomethane	4.996	94	48711	20.67	ug/L		98
18) chloroethane	5.200	64	35095	20.58	ug/L		97
19) trichlorofluoromethane	5.719	101	76782	18.87	ug/L		92
21) ethyl ether	6.165	74	31807	20.05	ug/L		92
22) 2-CHLOROPROPANE	6.370	43	91120	18.91	ug/L	#	97
26) acrolein	6.432	56	119453	148.70	ug/L		98
27) 1,1-dichloroethene	6.637	96	46024	19.62	ug/L		95
28) acetone	6.700	58	7977	26.55	ug/L		97
29) allyl chloride	7.208	76	29270	18.48	ug/L	#	66
30) acetonitrile	7.193	40	73655	209.92	ug/L	#	22
31) iodomethane	6.920	142	93700	19.28	ug/L		99
32) iso-butyl alcohol	10.155	74	4587	110.14	ug/L		64
33) carbon disulfide	7.062	76	164959	20.27	ug/L		100
34) methylene chloride	7.429	84	55520	20.04	ug/L		99
35) 1-CHLOROPROPANE	7.460	42	106772	19.44	ug/L		97
36) methyl acetate	7.214	43	54418	19.16	ug/L		98
37) methyl tert butyl ether	7.806	73	164596	20.98	ug/L		99
38) trans-1,2-dichloroethene	7.853	96	51110	19.77	ug/L		98
39) di-isopropyl ether	8.482	45	192104	20.04	ug/L	#	64
40) 2-butanone	9.279	72	9096	22.22	ug/L		91
41) 1,1-dichloroethane	8.482	63	100033	20.99	ug/L		99
42) chloroprene	8.603	53	72103	18.38	ug/L		97
43) acrylonitrile	7.790	53	139962	104.34	ug/L		99
44) vinyl acetate	8.493	86	9327	17.75	ug/L		93
45) ethyl tert-butyl ether	9.002	59	174461	20.79	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) ethyl acetate	9.306	45	11891	22.06	ug/L	82
47) 2,2-dichloropropane	9.295	77	70646	20.72	ug/L	94
48) cis-1,2-dichloroethene	9.300	96	57954	20.56	ug/L	97
49) propionitrile	9.363	54	115450	217.43	ug/L	98
50) bromochloromethane	9.625	128	30299	20.74	ug/L	96
51) tetrahydrofuran	9.683	42	27467	19.85	ug/L	97
52) chloroform	9.699	83	94265	20.22	ug/L	97
53) t-butyl formate	9.736	59	47140	20.04	ug/L	96
56) freon 113	6.611	151	34482	17.37	ug/L	98
57) methacrylonitrile	9.568	41	43464	20.20	ug/L	98
58) 1,1,1-trichloroethane	9.966	97	72251	20.13	ug/L	98
59) Cyclohexane	10.040	84	67484	18.96	ug/L	98
63) epichlorohydrin	12.090	57	39875	115.81	ug/L	95
64) n-butyl alcohol	10.989	56	124210	1280.11	ug/L	98
65) carbon tetrachloride	10.181	117	68427	21.55	ug/L	98
66) 1,1-dichloropropene	10.160	75	68512	21.03	ug/L	98
67) hexane	8.199	57	62559	18.39	ug/L	97
69) iso-octane	10.443	57	148353	21.30	ug/L	97
70) benzene	10.428	78	208322	20.80	ug/L	100
71) tert-amyl methyl ether	10.485	87	39176	22.55	ug/L	89
72) heptane	10.637	57	54848	19.98	ug/L	98
73) isopropyl acetate	10.380	43	138514	20.51	ug/L	99
74) 1,2-dichloroethane	10.449	62	73217	23.17	ug/L	98
75) trichloroethene	11.177	95	51974	21.19	ug/L	99
76) 2-nitropropane	11.938	41	26010	20.17	ug/L	98
77) 2-chloroethyl vinyl ether	11.974	63	190183	108.54	ug/L	99
78) methyl methacrylate	11.466	100	16568	21.19	ug/L	95
79) 1,2-dichloropropane	11.434	63	58475	22.29	ug/L	99
80) dibromomethane	11.592	93	37285	22.75	ug/L	97
81) methylcyclohexane	11.392	83	79961	19.56	ug/L	98
82) bromodichloromethane	11.728	83	75225	22.78	ug/L	100
83) cis-1,3-dichloropropene	12.184	75	96025	23.03	ug/L	97
85) 4-methyl-2-pentanone	12.278	58	29432	22.04	ug/L	98
86) toluene	12.535	92	123821	21.92	ug/L	98
87) 3-methyl-1-butanol	12.315	55	69601	476.94	ug/L	99
88) trans-1,3-dichloropropene	12.735	75	90497	23.53	ug/L	97
89) ethyl methacrylate	12.735	69	80307	21.56	ug/L	98
90) 1,1,2-trichloroethane	12.934	83	44964	22.33	ug/L	98
91) 2-hexanone	13.107	58	27905	22.00	ug/L	99
93) tetrachloroethene	13.107	164	45096	21.09	ug/L	99
94) 1,3-dichloropropane	13.107	76	87190	22.88	ug/L	97
95) butyl acetate	13.185	56	44780	21.32	ug/L	99
96) 3,3-dimethyl-1-butanol	13.275	57	73646	225.80	ug/L	98
97) dibromochloromethane	13.358	129	64265	22.63	ug/L	99
98) 1,2-dibromoethane	13.500	107	56917	21.72	ug/L	98
100) chlorobenzene	13.946	112	141570	22.40	ug/L	98
101) 1,1,1,2-tetrachloroethane	13.998	131	55167	22.42	ug/L	98
102) ethylbenzene	13.998	91	233329	22.28	ug/L	100
103) m,p-xylene	14.103	106	179677	43.91	ug/L	97
104) o-xylene	14.496	106	90474	22.41	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration

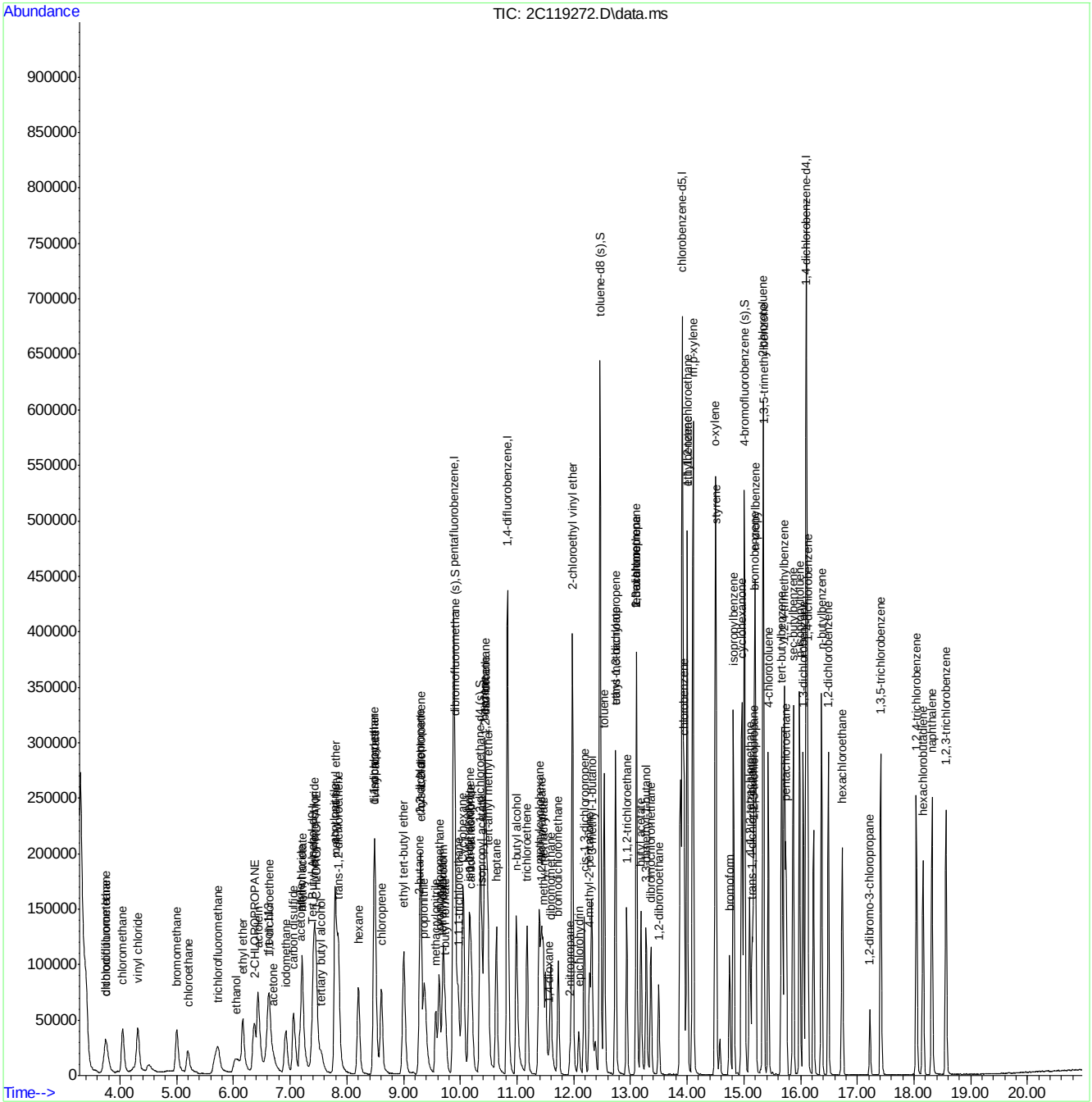
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) styrene	14.507	104	154104	22.57	ug/L	100
106) bromoform	14.748	173	53972	22.29	ug/L	99
108) isopropylbenzene	14.816	105	231408	21.88	ug/L	99
110) cyclohexanone	14.963	55	152747	303.80	ug/L	98
111) bromobenzene	15.188	156	68314	22.52	ug/L	99
112) 1,1,2,2-tetrachloroethane	15.104	83	85398	22.39	ug/L	100
113) trans-1,4-dichloro-2-b...	15.141	88	11386	22.23	ug/L	91
114) 1,2,3-trichloropropane	15.167	110	20117	22.35	ug/L	98
115) n-propylbenzene	15.199	91	260080	21.81	ug/L	99
116) 2-chlorotoluene	15.340	126	58423	21.91	ug/L	99
117) 4-chlorotoluene	15.429	91	172704	22.23	ug/L	99
118) 1,3,5-trimethylbenzene	15.346	105	192036	22.05	ug/L	99
119) tert-butylbenzene	15.665	119	165987	21.58	ug/L	97
120) pentachloroethane	15.744	167	44642	22.24	ug/L	97
121) 1,2,4-trimethylbenzene	15.713	105	191922	22.41	ug/L	98
122) sec-butylbenzene	15.870	105	250443	21.57	ug/L	99
123) 1,3-dichlorobenzene	16.043	146	127471	22.62	ug/L	97
124) p-isopropyltoluene	15.985	119	213475	22.19	ug/L	100
126) 1,4-dichlorobenzene	16.122	146	124024	22.03	ug/L	99
127) 1,2-dichlorobenzene	16.489	146	124822	22.36	ug/L	100
128) n-butylbenzene	16.368	92	108228	21.75	ug/L	98
129) 1,2-dibromo-3-chloropr...	17.223	75	14960	22.25	ug/L	96
130) 1,3,5-trichlorobenzene	17.417	180	107021	22.96	ug/L	98
131) 1,2,4-trichlorobenzene	18.041	180	95606	22.08	ug/L	98
132) hexachlorobutadiene	18.161	225	52267	22.21	ug/L	100
133) naphthalene	18.318	128	220411	21.94	ug/L	100
134) 1,2,3-trichlorobenzene	18.565	180	91263	22.92	ug/L	98
135) hexachloroethane	16.735	201	44013	21.73	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2c\v2c5484-5485\
Data File : 2C119272.D
Acq On : 9 Jun 2014 10:30 am
Operator : toanp
Sample : cc5480-20
Misc : MS68694,V2C5484,w,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 15:02:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2C5480.M
Quant Title : SW846 8260B, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Jun 09 09:24:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration

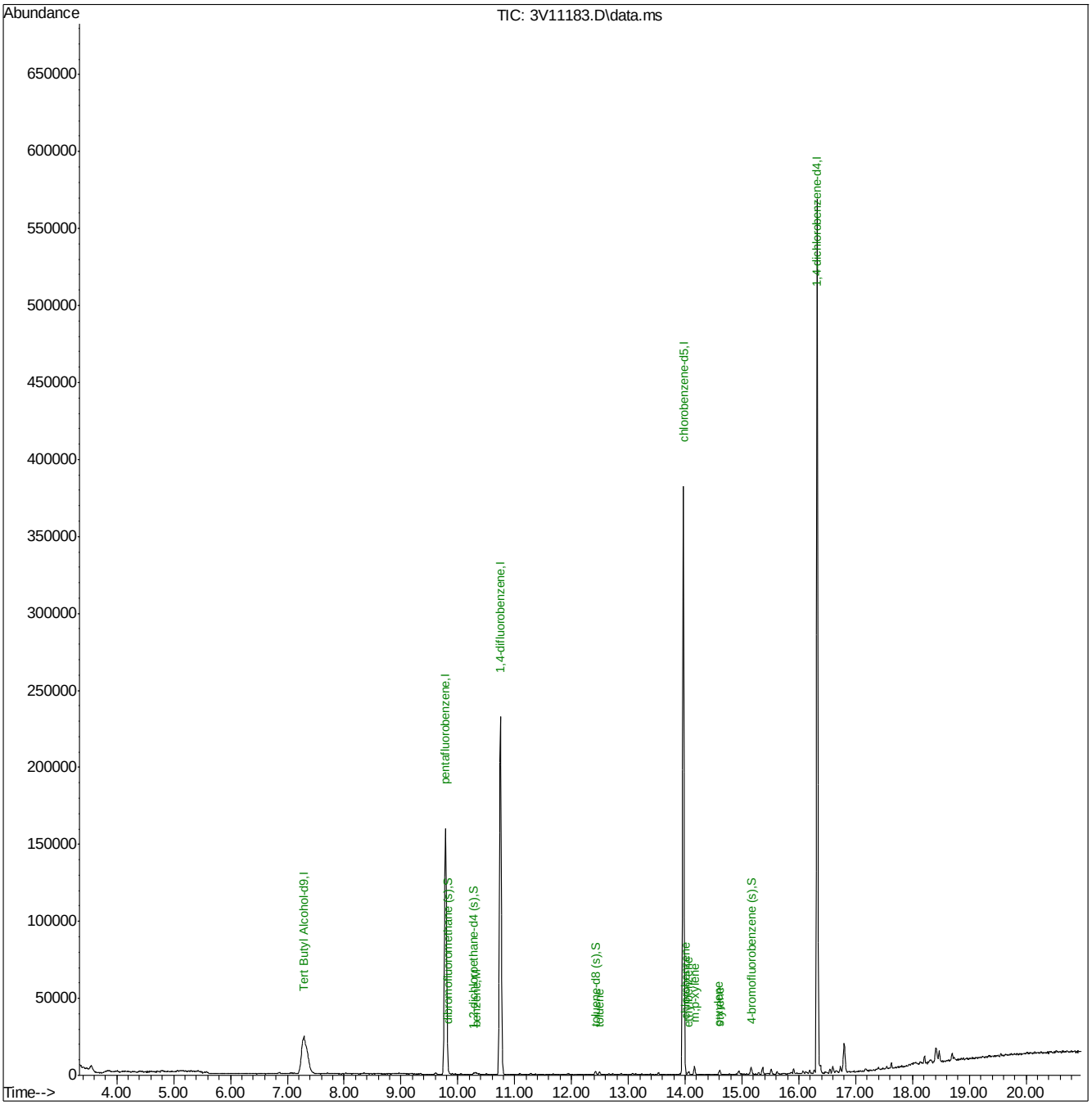
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	92286	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	158490	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	228087	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145861	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	676	0.34	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.68%#			
44) 1,2-dichloroethane-d4 (s)	10.278	65	702	0.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.82%#			
71) toluene-d8 (s)	12.418	98	2010	0.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 0.66%#			
95) 4-bromofluorobenzene (s)	15.165	95	1564	0.62	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.24%#			
Target Compounds						Qvalue
57) benzene	10.331	78	1452	0.19	ug/L	78
73) toluene	12.491	92	993	0.23	ug/L	85
86) chlorobenzene	14.001	112	954	0.18	ug/L	96
88) ethylbenzene	14.053	91	1960	0.21	ug/L	94
89) m,p-xylene	14.164	106	1787	0.49	ug/L	93
90) o-xylene	14.593	106	649	0.17	ug/L	91
91) styrene	14.609	104	920	0.16	ug/L	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	96233	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	162348	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	248601	50.00	ug/L		0.00
79) chlorobenzene-d5	13.969	117	235997	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152552	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	1307	0.61	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.22%#				
44) 1,2-dichloroethane-d4 (s)	10.278	65	1131	0.61	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.22%#				
71) toluene-d8 (s)	12.418	98	3647	0.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.12%#				
95) 4-bromofluorobenzene (s)	15.165	95	2211	0.72	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.44%#				
Target Compounds							Qvalue
16) 1,1-dichloroethene	6.430	96	1203	0.53	ug/L	#	33
22) carbon disulfide	6.865	76	3865	0.44	ug/L		87
26) methyl tert butyl ether	7.652	73	2341	0.42	ug/L		79
27) trans-1,2-dichloroethene	7.694	96	1326	0.55	ug/L	#	68
28) di-isopropyl ether	8.338	45	2572	0.45	ug/L		90
29) ethyl tert-butyl ether	8.863	59	2333	0.41	ug/L		94
31) 1,1-dichloroethane	8.370	63	1502	0.40	ug/L		84
32) chloroprene	8.470	53	770	0.33	ug/L		77
36) 2,2-dichloropropane	9.177	77	1595	0.44	ug/L	#	50
37) cis-1,2-dichloroethene	9.198	96	1783	0.65	ug/L	#	68
42) chloroform	9.613	83	2187	0.54	ug/L		92
47) 1,1,1-trichloroethane	9.859	97	1627	0.45	ug/L		73
48) tert-amyl methyl ether	10.367	73	2775	0.49	ug/L		98
53) carbon tetrachloride	10.058	117	1408	0.42	ug/L	#	81
54) 1,1-dichloropropene	10.048	75	1155	0.44	ug/L		88
57) benzene	10.336	78	3804	0.42	ug/L		92
60) 1,2-dichloroethane	10.378	62	1002	0.44	ug/L	#	49
61) trichloroethene	11.086	95	935	0.44	ug/L		80
64) 2-chloroethyl vinyl ether	11.940	63	1566	2.24	ug/L		90
66) 1,2-dichloropropane	11.379	63	854	0.43	ug/L	#	40
67) methylcyclohexane	11.280	83	1221	0.36	ug/L		91
68) dibromomethane	11.542	93	427	0.36	ug/L		86
69) bromodichloromethane	11.684	83	1141	0.44	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	1196	0.42	ug/L		94
73) toluene	12.496	92	2344	0.47	ug/L		89
75) trans-1,3-dichloropropene	12.727	75	950	0.38	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	512	0.39	ug/L	#	65
80) tetrachloroethene	13.083	166	940	0.40	ug/L		87
81) 1,3-dichloropropane	13.125	76	924	0.37	ug/L		88
83) dibromochloromethane	13.387	129	794	0.37	ug/L		88
84) 1,2-dibromoethane	13.529	107	671	0.39	ug/L	#	69
86) chlorobenzene	14.001	112	2424	0.40	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) 1,1,1,2-tetrachloroethane	14.069	131	873	0.38	ug/L		100
88) ethylbenzene	14.053	91	4400	0.44	ug/L		98
89) m,p-xylene	14.163	106	3412	0.86	ug/L		97
90) o-xylene	14.599	106	1411	0.33	ug/L		91
91) styrene	14.614	104	2271	0.38	ug/L		98
92) bromoform	14.903	173	673	0.43	ug/L		89
94) isopropylbenzene	14.945	105	4401	0.40	ug/L		92
96) bromobenzene	15.354	156	1137	0.39	ug/L		90
98) 1,1,2,2-tetrachloroethane	15.291	83	1166	0.42	ug/L		87
101) n-propylbenzene	15.364	91	5462	0.40	ug/L		88
102) 2-chlorotoluene	15.511	126	1020	0.36	ug/L	#	81
103) 4-chlorotoluene	15.616	91	3469	0.43	ug/L		97
104) 1,3,5-trimethylbenzene	15.516	105	3515	0.34	ug/L		95
105) tert-butylbenzene	15.862	119	2549	0.36	ug/L		92
107) 1,2,4-trimethylbenzene	15.909	105	4446	0.34	ug/L		94
108) sec-butylbenzene	16.072	105	4685	0.37	ug/L		95
109) 1,3-dichlorobenzene	16.266	146	2853	0.45	ug/L		95
110) p-isopropyltoluene	16.192	119	3847	0.36	ug/L		98
111) 1,4-dichlorobenzene	16.350	146	2871	0.44	ug/L		92
112) 1,2-dichlorobenzene	16.733	146	2627	0.42	ug/L		94
113) n-butylbenzene	16.596	92	2402	0.39	ug/L		95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	2733	0.45	ug/L		97
116) 1,2,4-trichlorobenzene	18.211	180	2690	0.46	ug/L		97
117) hexachlorobutadiene	18.300	225	1128	0.38	ug/L		95
118) naphthalene	18.473	128	5819	0.47	ug/L		97
119) 1,2,3-trichlorobenzene	18.693	180	2463	0.45	ug/L		88

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

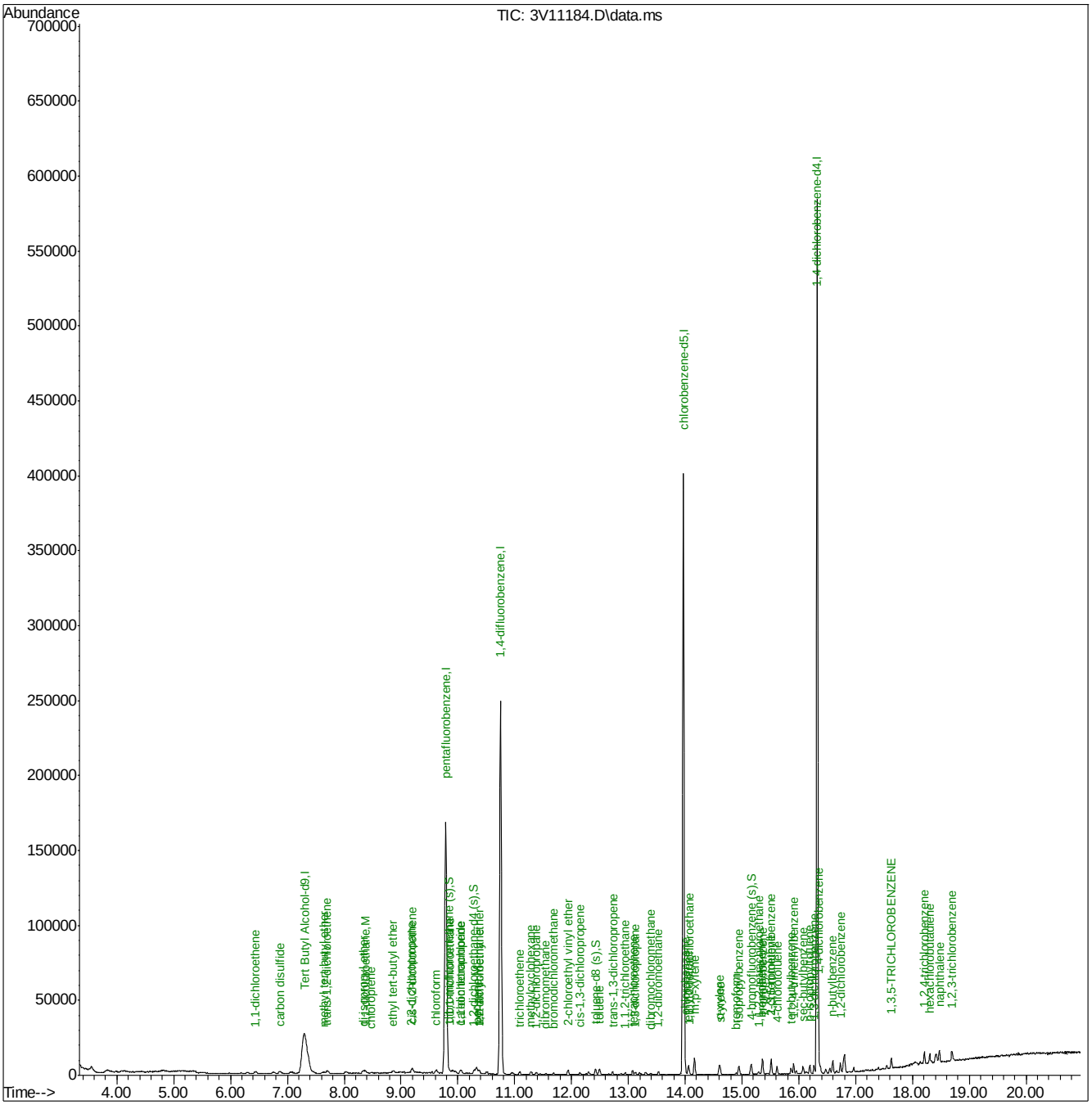
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88284	500.00	ug/L		-0.01
5) pentafluorobenzene	9.786	168	168043	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	250261	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	237615	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150965	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	2001	0.90	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.80%#				
44) 1,2-dichloroethane-d4 (s)	10.284	65	1709	0.89	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.78%#				
71) toluene-d8 (s)	12.423	98	5503	0.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.68%#				
95) 4-bromofluorobenzene (s)	15.165	95	3035	1.00	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 2.00%#				
Target Compounds							Qvalue
15) acrolein	6.289	56	580729	1751.17	ug/L		98
16) 1,1-dichloroethene	6.446	96	2094	0.89	ug/L	#	79
20) iodomethane	6.750	142	3890	0.80	ug/L		95
22) carbon disulfide	6.860	76	7010	0.77	ug/L		88
26) methyl tert butyl ether	7.641	73	4428	0.77	ug/L		93
27) trans-1,2-dichloroethene	7.704	96	2330	0.93	ug/L		82
28) di-isopropyl ether	8.349	45	4709	0.80	ug/L		94
29) ethyl tert-butyl ether	8.868	59	4791	0.82	ug/L		96
31) 1,1-dichloroethane	8.365	63	2912	0.75	ug/L		94
32) chloroprene	8.475	53	1767	0.74	ug/L		79
36) 2,2-dichloropropane	9.193	77	3036	0.81	ug/L		100
37) cis-1,2-dichloroethene	9.204	96	2832	1.00	ug/L	#	79
40) bromochloromethane	9.555	128	806	0.73	ug/L		86
42) chloroform	9.613	83	3642	0.88	ug/L		95
47) 1,1,1-trichloroethane	9.854	97	3061	0.82	ug/L		81
48) tert-amyl methyl ether	10.378	73	4687	0.80	ug/L		91
52) cyclohexane	9.912	84	2485	0.75	ug/L		94
53) carbon tetrachloride	10.064	117	2650	0.79	ug/L		82
54) 1,1-dichloropropene	10.048	75	2164	0.82	ug/L		93
55) hexane	8.019	57	1835	0.84	ug/L		94
57) benzene	10.336	78	6885	0.75	ug/L		96
58) heptane	10.515	57	876	0.67	ug/L		89
60) 1,2-dichloroethane	10.378	62	1760	0.77	ug/L		88
61) trichloroethene	11.091	95	1677	0.79	ug/L	#	74
64) 2-chloroethyl vinyl ether	11.941	63	2689	3.82	ug/L		92
65) methyl methacrylate	11.280	41	1111	0.87	ug/L		88
66) 1,2-dichloropropane	11.374	63	1526	0.77	ug/L		91
67) methylcyclohexane	11.291	83	2537	0.75	ug/L		98
68) dibromomethane	11.542	93	858	0.71	ug/L		97
69) bromodichloromethane	11.684	83	1976	0.76	ug/L		95
70) cis-1,3-dichloropropene	12.145	75	2180	0.77	ug/L		97
73) toluene	12.496	92	3932	0.78	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

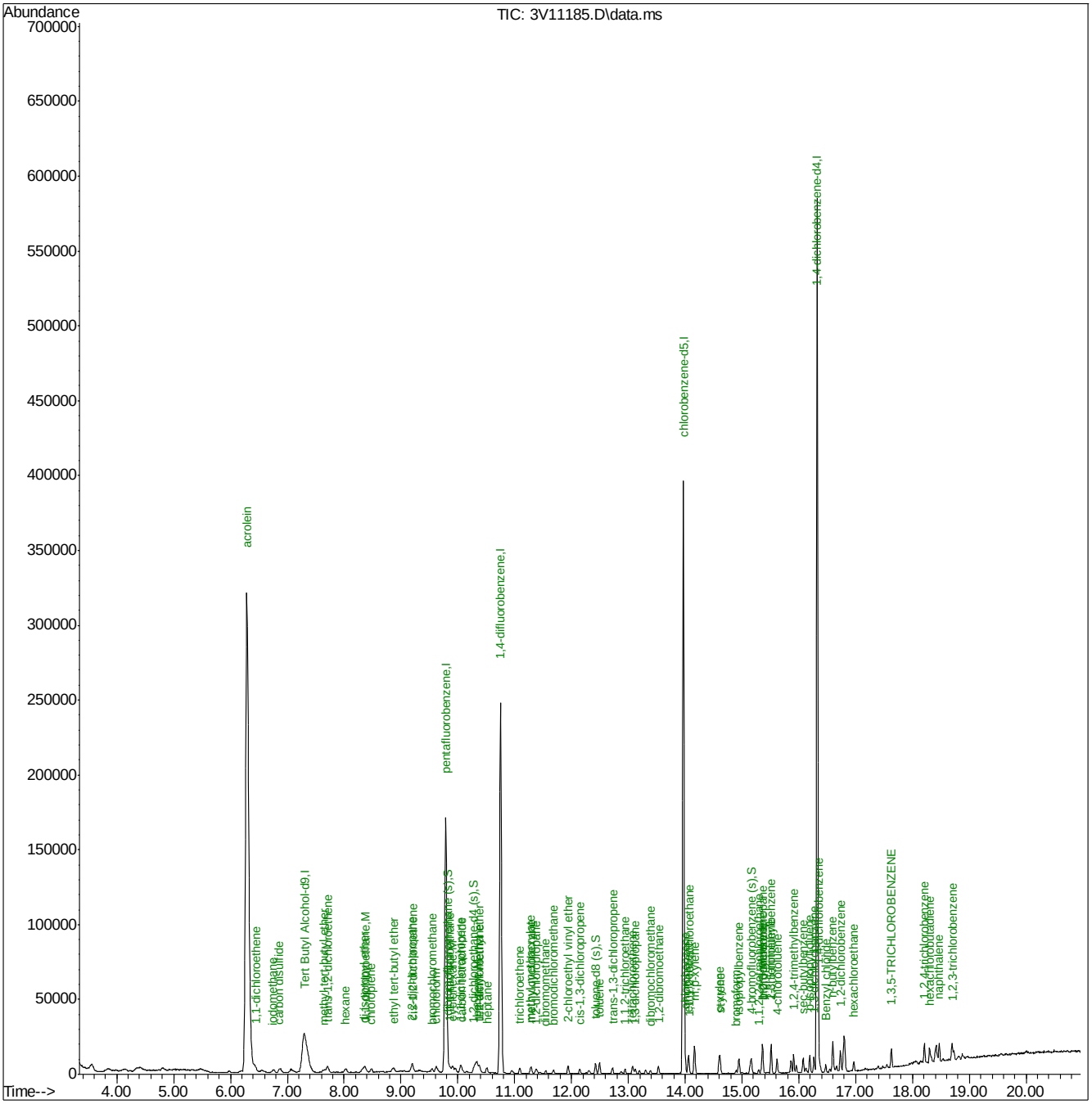
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	trans-1,3-dichloropropene	12.727	75	1826	0.73	ug/L	88
77)	1,1,2-trichloroethane	12.942	83	1031	0.78	ug/L	84
80)	tetrachloroethene	13.078	166	1782	0.76	ug/L	97
81)	1,3-dichloropropane	13.120	76	1733	0.69	ug/L	92
83)	dibromochloromethane	13.393	129	1440	0.67	ug/L	96
84)	1,2-dibromoethane	13.535	107	1272	0.73	ug/L	98
86)	chlorobenzene	14.001	112	4634	0.76	ug/L	95
87)	1,1,1,2-tetrachloroethane	14.069	131	1716	0.74	ug/L	91
88)	ethylbenzene	14.054	91	7939	0.80	ug/L	96
89)	m,p-xylene	14.164	106	6073	1.52	ug/L	94
90)	o-xylene	14.599	106	2900	0.68	ug/L	97
91)	styrene	14.615	104	4251	0.71	ug/L	95
92)	bromoform	14.903	173	1135	0.73	ug/L	77
94)	isopropylbenzene	14.945	105	7688	0.70	ug/L	98
96)	bromobenzene	15.359	156	2259	0.77	ug/L	91
98)	1,1,2,2-tetrachloroethane	15.291	83	1850	0.67	ug/L	85
100)	1,2,3-trichloropropane	15.359	110	370	0.67	ug/L	83
101)	n-propylbenzene	15.364	91	9248	0.68	ug/L	99
102)	2-chlorotoluene	15.516	126	1918	0.68	ug/L	90
103)	4-chlorotoluene	15.616	91	6157	0.76	ug/L	96
104)	1,3,5-trimethylbenzene	15.516	105	6504	0.64	ug/L	99
107)	1,2,4-trimethylbenzene	15.910	105	7423	0.57	ug/L	86
108)	sec-butylbenzene	16.072	105	8254	0.67	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	4692	0.75	ug/L	100
110)	p-isopropyltoluene	16.193	119	7186	0.68	ug/L	98
111)	1,4-dichlorobenzene	16.350	146	5030	0.79	ug/L	91
112)	1,2-dichlorobenzene	16.733	146	4806	0.77	ug/L	98
113)	n-butylbenzene	16.596	92	4205	0.70	ug/L	95
115)	1,3,5-TRICHLOROBENZENE	17.629	180	4698	0.78	ug/L	94
116)	1,2,4-trichlorobenzene	18.211	180	4222	0.73	ug/L	97
117)	hexachlorobutadiene	18.306	225	2184	0.74	ug/L	87
118)	naphthalene	18.468	128	8671	0.71	ug/L	98
119)	1,2,3-trichlorobenzene	18.699	180	4079	0.76	ug/L	91
120)	hexachloroethane	16.964	119	1703	0.79	ug/L	76
121)	Benzyl chloride	16.471	91	4188	0.86	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	81258	500.00	ug/L	0.00
5) pentafluorobenzene	9.785	168	155450	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234535	50.00	ug/L	0.00
79) chlorobenzene-d5	13.969	117	220566	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	142306	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	3545	1.72	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	3.44%#		
44) 1,2-dichloroethane-d4 (s)	10.273	65	3257	1.82	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery =	3.64%#		
71) toluene-d8 (s)	12.423	98	10482	1.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	3.42%#		
95) 4-bromofluorobenzene (s)	15.165	95	4933	1.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	3.44%#		
Target Compounds						Qvalue
4) tertiary butyl alcohol	7.416	59	2128	9.23	ug/L	58
7) dichlorodifluoromethane	3.541	85	7045	1.94	ug/L	91
8) chloromethane	3.835	50	6176	1.67	ug/L	96
9) vinyl chloride	4.102	62	6178	1.65	ug/L	89
10) bromomethane	4.789	94	4658	1.92	ug/L	82
11) chloroethane	4.993	64	2112	1.72	ug/L	93
12) trichlorofluoromethane	5.518	101	6940	1.76	ug/L	96
13) ethyl ether	5.963	74	1219	1.59	ug/L	94
15) acrolein	6.283	56	293684	957.34	ug/L	99
16) 1,1-dichloroethene	6.435	96	4125	1.89	ug/L	92
20) iodomethane	6.750	142	8003	1.77	ug/L	93
22) carbon disulfide	6.865	76	14377	1.72	ug/L	97
23) methylene chloride	7.285	84	5844	2.18	ug/L	92
26) methyl tert butyl ether	7.636	73	9365	1.76	ug/L	97
27) trans-1,2-dichloroethene	7.694	96	4300	1.85	ug/L	78
28) di-isopropyl ether	8.333	45	9627	1.77	ug/L	88
29) ethyl tert-butyl ether	8.857	59	9445	1.75	ug/L	95
31) 1,1-dichloroethane	8.370	63	6320	1.75	ug/L	96
32) chloroprene	8.469	53	4032	1.82	ug/L	94
33) acrylonitrile	7.704	53	4318	8.77	ug/L	93
36) 2,2-dichloropropane	9.188	77	6693	1.93	ug/L	90
37) cis-1,2-dichloroethene	9.198	96	5096	1.95	ug/L	85
38) propionitrile	9.324	54	3828	18.21	ug/L	91
40) bromochloromethane	9.550	128	1911	1.86	ug/L	97
42) chloroform	9.618	83	6906	1.79	ug/L	97
45) freon 113	6.388	151	3133	1.81	ug/L	83
46) methacrylonitrile	9.497	41	1372	1.98	ug/L	81
47) 1,1,1-trichloroethane	9.859	97	6463	1.88	ug/L	96
48) tert-amyl methyl ether	10.373	73	9282	1.72	ug/L	92
51) n-butyl alcohol	10.949	56	4456	87.76	ug/L	97
52) cyclohexane	9.906	84	5272	1.69	ug/L	96
53) carbon tetrachloride	10.058	117	5742	1.82	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54)	1,1-dichloropropene	10.048	75	4485	1.80	ug/L		89
55)	hexane	8.019	57	3419	1.68	ug/L		90
56)	ISOOCTANE	10.299	57	10441	1.58	ug/L	#	92
57)	benzene	10.331	78	13751	1.60	ug/L		99
58)	heptane	10.504	57	2078	1.69	ug/L		94
59)	isopropyl acetate	10.299	43	6254	1.84	ug/L	#	88
60)	1,2-dichloroethane	10.378	62	3701	1.73	ug/L		95
61)	trichloroethene	11.091	95	3417	1.71	ug/L		92
64)	2-chloroethyl vinyl ether	11.935	63	5886	8.92	ug/L		98
65)	methyl methacrylate	11.285	41	2175	1.81	ug/L		96
66)	1,2-dichloropropane	11.374	63	3255	1.74	ug/L		98
67)	methylcyclohexane	11.290	83	5591	1.76	ug/L		87
68)	dibromomethane	11.542	93	2001	1.77	ug/L		94
69)	bromodichloromethane	11.683	83	4125	1.70	ug/L		96
70)	cis-1,3-dichloropropene	12.145	75	4722	1.77	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	943	1.80	ug/L	#	78
73)	toluene	12.491	92	7927	1.68	ug/L		99
74)	3-methyl-1-butanol	12.307	70	1477	34.07	ug/L		92
75)	trans-1,3-dichloropropene	12.722	75	4056	1.73	ug/L		93
76)	ethyl methacrylate	12.706	69	2751	1.70	ug/L		95
77)	1,1,2-trichloroethane	12.942	83	2317	1.87	ug/L		94
80)	tetrachloroethene	13.078	166	3999	1.84	ug/L		92
81)	1,3-dichloropropane	13.120	76	4043	1.74	ug/L		98
82)	butyl acetate	13.188	56	1513	1.80	ug/L	#	77
83)	dibromochloromethane	13.382	129	3589	1.80	ug/L		88
84)	1,2-dibromoethane	13.534	107	2700	1.68	ug/L		92
86)	chlorobenzene	14.001	112	9499	1.68	ug/L		94
87)	1,1,1,2-tetrachloroethane	14.069	131	3806	1.78	ug/L		99
88)	ethylbenzene	14.053	91	16151	1.74	ug/L		95
89)	m,p-xylene	14.163	106	12008	3.23	ug/L		98
90)	o-xylene	14.599	106	6194	1.56	ug/L		89
91)	styrene	14.614	104	9199	1.66	ug/L		98
92)	bromoform	14.897	173	2583	1.78	ug/L		99
94)	isopropylbenzene	14.950	105	16440	1.59	ug/L		99
96)	bromobenzene	15.359	156	5117	1.86	ug/L		88
97)	cyclohexanone	15.149	55	7731	20.92	ug/L		97
98)	1,1,2,2-tetrachloroethane	15.291	83	4859	1.88	ug/L		98
100)	1,2,3-trichloropropane	15.364	110	1045	1.99	ug/L		82
101)	n-propylbenzene	15.364	91	20393	1.58	ug/L		99
102)	2-chlorotoluene	15.516	126	4390	1.66	ug/L		91
103)	4-chlorotoluene	15.616	91	12842	1.69	ug/L		96
104)	1,3,5-trimethylbenzene	15.516	105	13877	1.46	ug/L		97
105)	tert-butylbenzene	15.862	119	10521	1.59	ug/L		96
106)	pentachloroethane	15.951	167	2782	1.62	ug/L		96
107)	1,2,4-trimethylbenzene	15.909	105	15098	1.23	ug/L		89
108)	sec-butylbenzene	16.077	105	18601	1.60	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	10210	1.74	ug/L		95
110)	p-isopropyltoluene	16.192	119	15924	1.60	ug/L		98
111)	1,4-dichlorobenzene	16.350	146	10412	1.73	ug/L		93
112)	1,2-dichlorobenzene	16.733	146	10125	1.73	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) n-butylbenzene	16.596	92	9589	1.68	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.482	75	1146	2.18	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	9981	1.75	ug/L	98
116) 1,2,4-trichlorobenzene	18.211	180	9654	1.77	ug/L	97
117) hexachlorobutadiene	18.300	225	4857	1.75	ug/L	94
118) naphthalene	18.473	128	19090	1.65	ug/L	98
119) 1,2,3-trichlorobenzene	18.699	180	8870	1.74	ug/L	90
120) hexachloroethane	16.968	119	3585	1.75	ug/L	83
121) Benzyl chloride	16.476	91	8728	1.90	ug/L	98

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

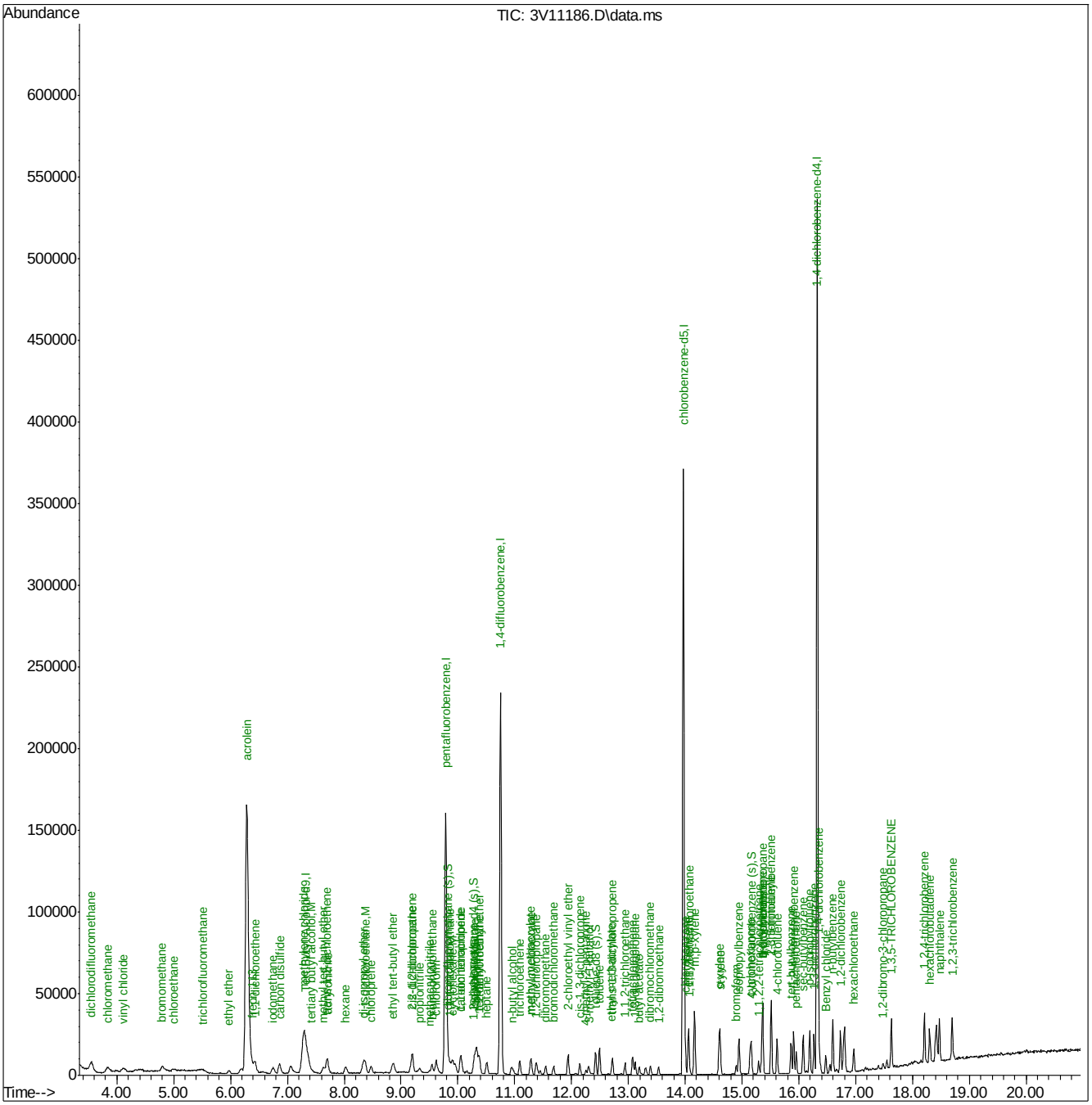
7.7.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 05/29/14 17:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88650	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	152136	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	230267	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	221836	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	144075	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	8894	4.51	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 9.02%#				
44) 1,2-dichloroethane-d4 (s)	10.279	65	7760	4.49	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 8.98%#				
71) toluene-d8 (s)	12.423	98	26541	4.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 9.30%#				
95) 4-bromofluorobenzene (s)	15.165	95	11917	4.54	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 9.08%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	2556m	108.29	ug/L		
4) tertiary butyl alcohol	7.442	59	5952m	25.22	ug/L		
6) chlorodifluoromethane	3.552	51	25265	8.43	ug/L		94
7) dichlorodifluoromethane	3.547	85	19846	5.19	ug/L		99
8) chloromethane	3.835	50	15556	4.73	ug/L		95
9) vinyl chloride	4.123	62	17175	4.96	ug/L		98
10) bromomethane	4.789	94	12301	5.25	ug/L		87
11) chloroethane	5.004	64	6192	5.38	ug/L		96
12) trichlorofluoromethane	5.513	101	19833	5.21	ug/L		88
13) ethyl ether	5.964	74	3746	5.47	ug/L		82
14) 2-chloropropane	6.184	43	14363	5.17	ug/L		98
15) acrolein	6.289	56	19037	69.00	ug/L		97
16) 1,1-dichloroethene	6.436	96	10164	4.95	ug/L		98
17) acetone	6.551	43	3085	6.69	ug/L		97
18) allyl chloride	7.059	76	4525	6.39	ug/L		97
19) acetonitrile	7.070	40	7035	54.54	ug/L		93
20) iodomethane	6.745	142	21448	5.39	ug/L		97
21) iso-butyl alcohol	10.153	41	2953	54.31	ug/L		89
22) carbon disulfide	6.860	76	38326	5.36	ug/L		98
23) methylene chloride	7.285	84	12580	3.91	ug/L		94
24) 1-chloropropane	7.306	42	21524	7.54	ug/L	#	88
25) methyl acetate	7.075	74	979m	4.53	ug/L		
26) methyl tert butyl ether	7.636	73	25139	5.53	ug/L		98
27) trans-1,2-dichloroethene	7.699	96	10873	4.93	ug/L		96
28) di-isopropyl ether	8.339	45	26984	5.59	ug/L		96
29) ethyl tert-butyl ether	8.858	59	26368	5.56	ug/L		98
30) 2-butanone	9.183	72	634m	3.79	ug/L		
31) 1,1-dichloroethane	8.365	63	17674	5.86	ug/L		99
32) chloroprene	8.475	53	11063	5.99	ug/L		95
33) acrylonitrile	7.704	53	12189	26.72	ug/L		94
34) vinyl acetate	8.370	86	748	3.75	ug/L	#	55
35) ethyl acetate	9.204	45	776	4.77	ug/L		42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	17362	5.51	ug/L		97
37) cis-1,2-dichloroethene	9.204	96	11916	4.46	ug/L		89
38) propionitrile	9.324	54	10917	61.47	ug/L		90
39) methyl acrylate	9.293	55	6908	5.04	ug/L	#	94
40) bromochloromethane	9.545	128	5233	5.74	ug/L		94
41) tetrahydrofuran	9.581	42	2137	4.85	ug/L		97
42) chloroform	9.618	83	18047	5.03	ug/L		99
45) freon 113	6.415	151	9347	6.18	ug/L		98
46) methacrylonitrile	9.503	41	3476	5.10	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	16919	5.38	ug/L		96
48) tert-amyl methyl ether	10.368	73	26309	5.42	ug/L		95
50) epichlorohydrin	12.067	57	3246	30.54	ug/L		89
51) n-butyl alcohol	10.945	56	12504	258.67	ug/L		96
52) cyclohexane	9.906	84	15594	5.79	ug/L		98
53) carbon tetrachloride	10.064	117	15657	5.60	ug/L		99
54) 1,1-dichloropropene	10.048	75	12008	5.41	ug/L		96
55) hexane	8.019	57	9859	5.54	ug/L		94
56) ISOOCTANE	10.305	57	31602	5.56	ug/L		98
57) benzene	10.331	78	36754	5.32	ug/L		98
58) heptane	10.504	57	6117	5.97	ug/L		97
59) isopropyl acetate	10.300	43	16946	5.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	10533	5.68	ug/L		100
61) trichloroethene	11.091	95	9598	5.53	ug/L		97
63) 2-nitropropane	11.935	43	11857	4.94	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	17241	29.08	ug/L		98
65) methyl methacrylate	11.285	41	6239	5.60	ug/L		99
66) 1,2-dichloropropane	11.374	63	8908	5.56	ug/L		97
67) methylcyclohexane	11.291	83	15477	6.26	ug/L		95
68) dibromomethane	11.542	93	5594	6.03	ug/L		97
69) bromodichloromethane	11.684	83	11546	5.48	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	12758	5.48	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	2533	5.06	ug/L		88
73) toluene	12.491	92	20100	4.81	ug/L		99
74) 3-methyl-1-butanol	12.297	70	4303	103.18	ug/L		96
75) trans-1,3-dichloropropene	12.727	75	11315	5.80	ug/L		92
76) ethyl methacrylate	12.711	69	7672	5.60	ug/L		97
77) 1,1,2-trichloroethane	12.942	83	6248	5.84	ug/L		97
78) 2-hexanone	13.120	58	2250	4.77	ug/L		97
80) tetrachloroethene	13.078	166	10474	5.51	ug/L		100
81) 1,3-dichloropropane	13.120	76	10821	5.70	ug/L		99
82) butyl acetate	13.189	56	4187	5.71	ug/L		93
83) dibromochloromethane	13.388	129	9328	5.59	ug/L		98
84) 1,2-dibromoethane	13.535	107	7607	5.63	ug/L		98
86) chlorobenzene	14.001	112	25505	5.41	ug/L		95
87) 1,1,1,2-tetrachloroethane	14.069	131	10136	5.48	ug/L		95
88) ethylbenzene	14.054	91	42979	5.07	ug/L		97
89) m,p-xylene	14.164	106	32813	9.69	ug/L		96
90) o-xylene	14.599	106	16729	5.46	ug/L		98
91) styrene	14.615	104	25315	5.49	ug/L		97
92) bromoform	14.898	173	7120	5.58	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	43020	5.08	ug/L	97
96)	bromobenzene	15.359	156	12846	5.40	ug/L	97
97)	cyclohexanone	15.144	55	16268	53.02	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	11850	5.35	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	2420	4.66	ug/L	95
100)	1,2,3-trichloropropane	15.364	110	2666	5.70	ug/L	91
101)	n-propylbenzene	15.364	91	54902	5.32	ug/L	99
102)	2-chlorotoluene	15.516	126	12283	5.74	ug/L	98
103)	4-chlorotoluene	15.616	91	34176	5.26	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	38831	5.44	ug/L	99
105)	tert-butylbenzene	15.863	119	29155	5.37	ug/L	96
106)	pentachloroethane	15.957	167	7454	4.66	ug/L	94
107)	1,2,4-trimethylbenzene	15.910	105	40923	5.14	ug/L	93
108)	sec-butylbenzene	16.077	105	51756	5.46	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	27046	5.28	ug/L	97
110)	p-isopropyltoluene	16.193	119	44733	5.56	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	26890	5.13	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	26860	5.37	ug/L	97
113)	n-butylbenzene	16.597	92	25801	5.47	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.483	75	2733	5.07	ug/L	92
115)	1,3,5-TRICHLOROBENZENE	17.629	180	25815	5.11	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	23950	5.00	ug/L	97
117)	hexachlorobutadiene	18.301	225	12827	5.43	ug/L	97
118)	naphthalene	18.468	128	47207	4.86	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	22239	4.98	ug/L	95
120)	hexachloroethane	16.969	119	8719	4.79	ug/L	94
121)	Benzyl chloride	16.471	91	23420	5.34	ug/L	99

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

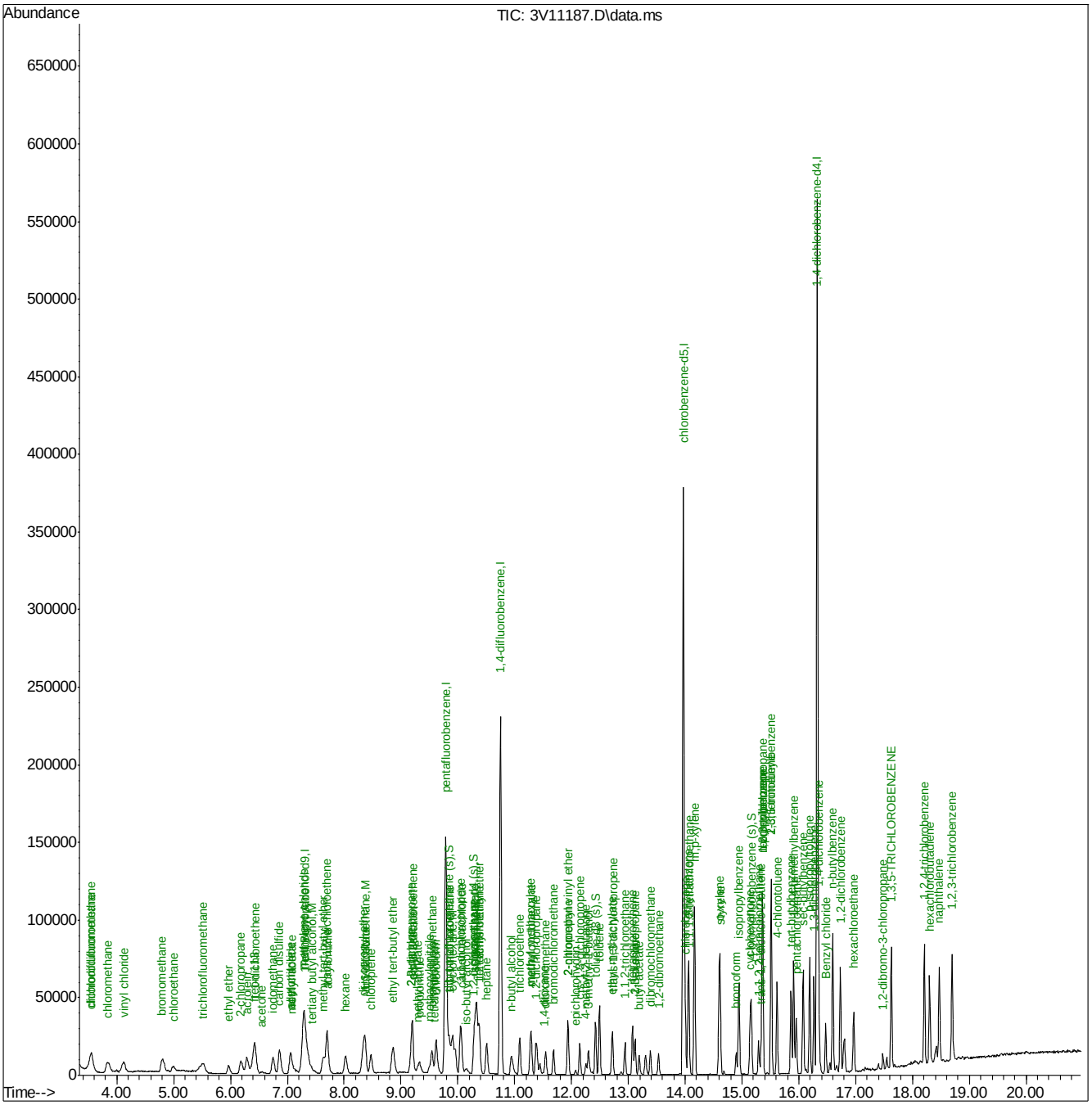
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3V474-IC474
Lab FileID: 3V11187.D
Injection Time: 05/22/14 12:08

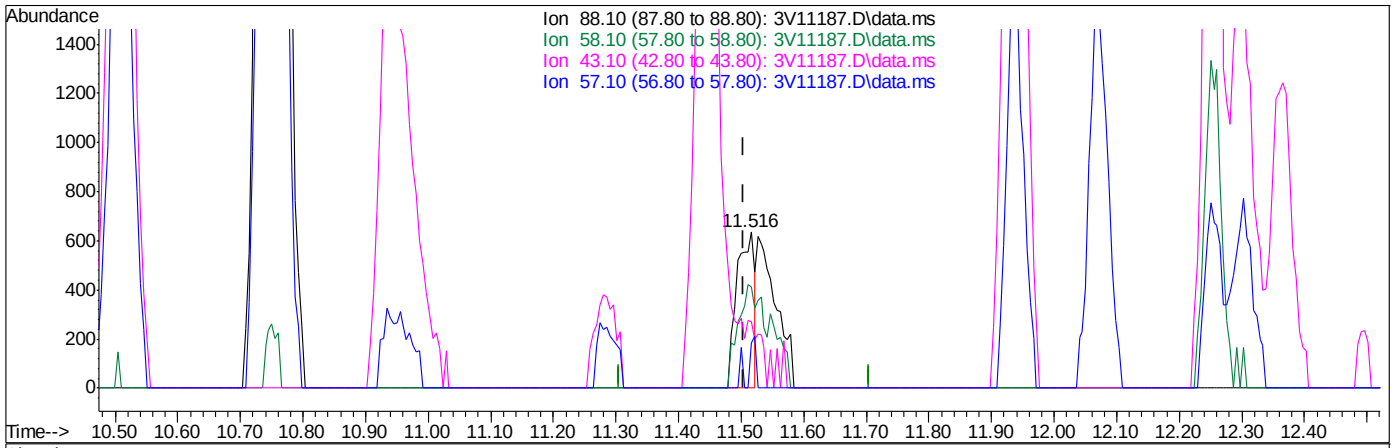
Method: SW846 8260C
Analyst approved: 05/23/14 14:36 Dipa Patel
Supervisor approved: 05/29/14 17:49 Jessica Reitan-Chu

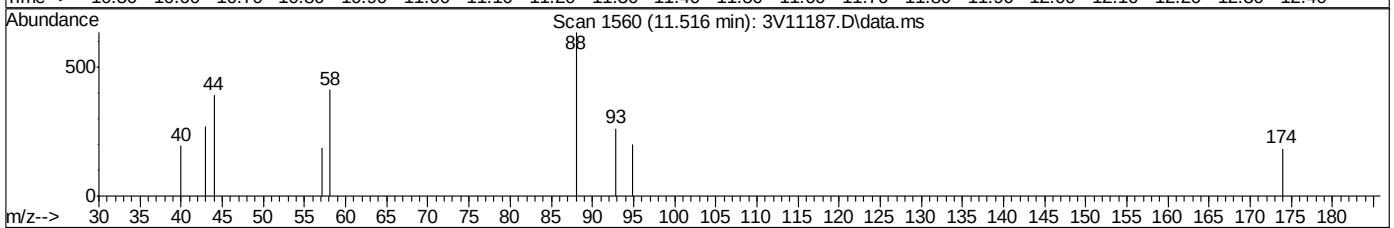
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		7.08	Poor instrument integration
Tert Butyl Alcohol	75-65-0		7.44	Poor instrument integration
2-Butanone (MEK)	78-93-3		9.18	Missed peak
1,4-Dioxane	123-91-1		11.52	Poor instrument integration

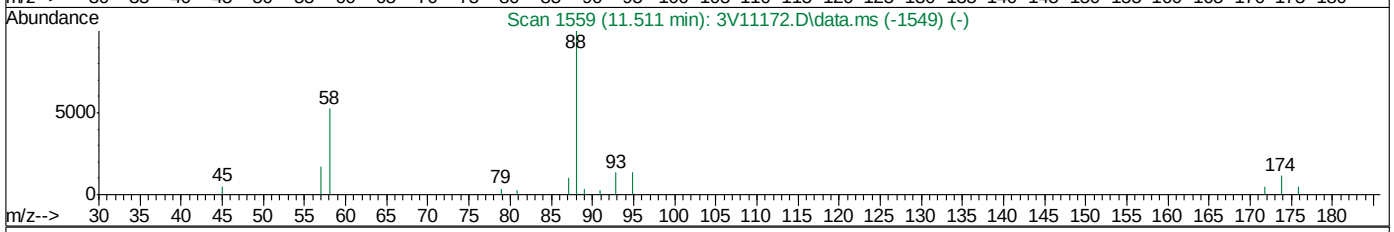
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 51.05ug/L

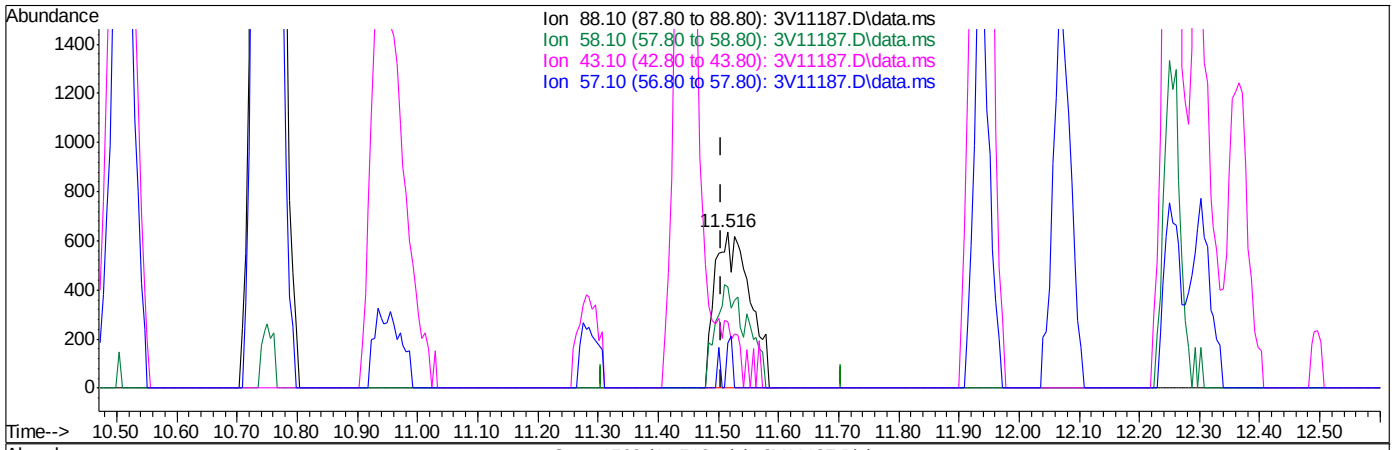
response 1205

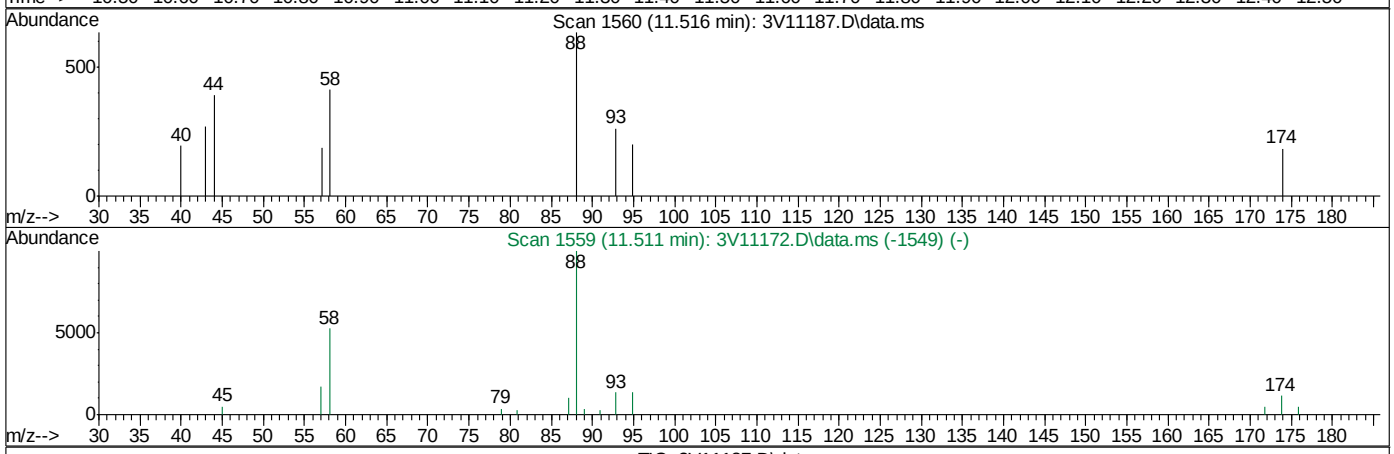
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	94.19#
43.10	0.00	0.00
57.10	22.70	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 108.29ug/L m

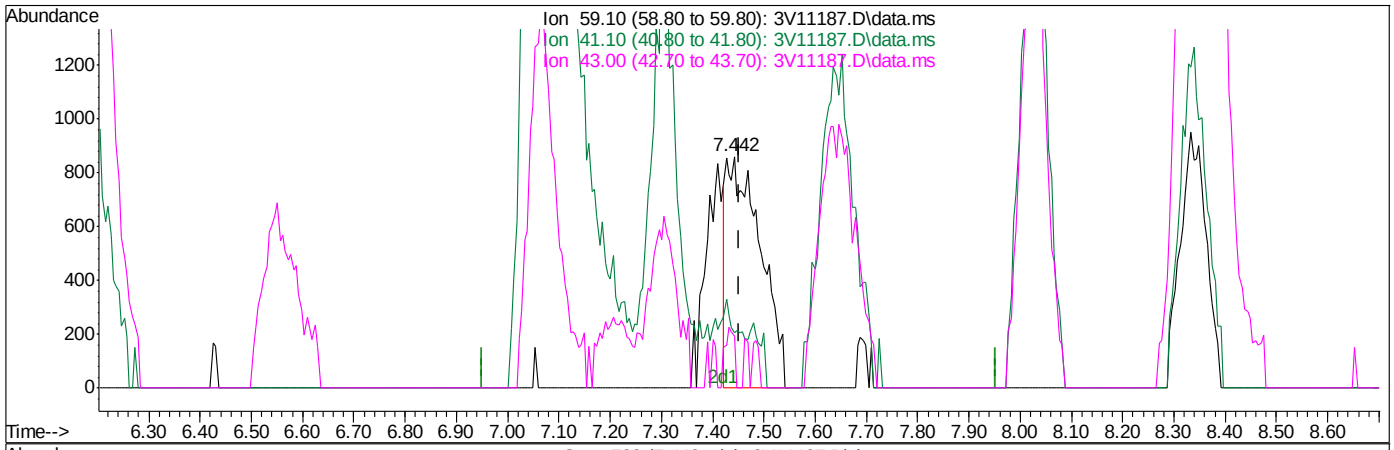
response 2556

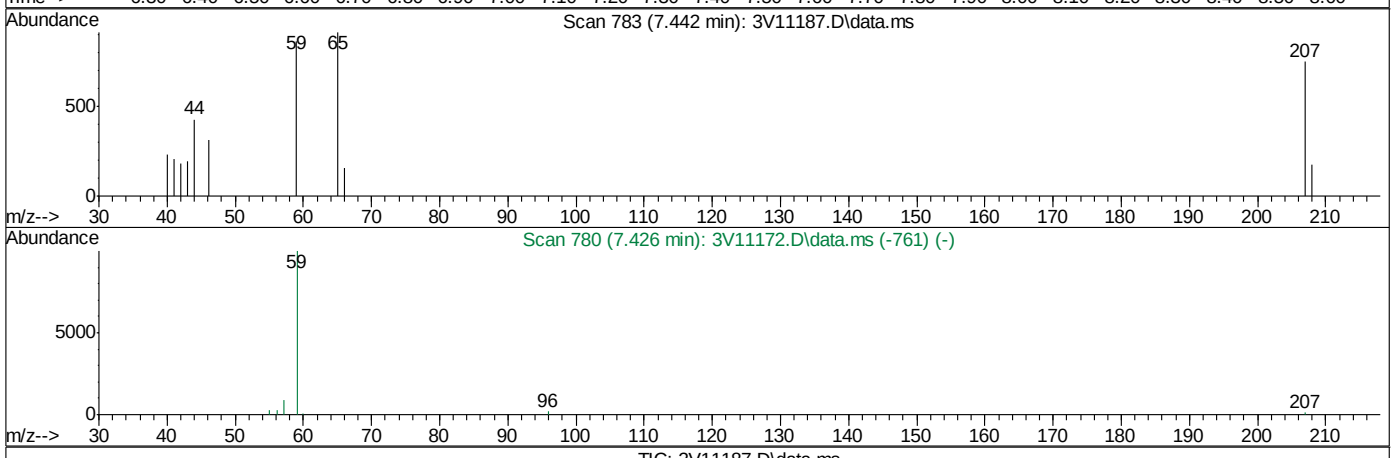
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	44.41
43.10	0.00	0.00
57.10	22.70	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 16.81ug/L

response 3968

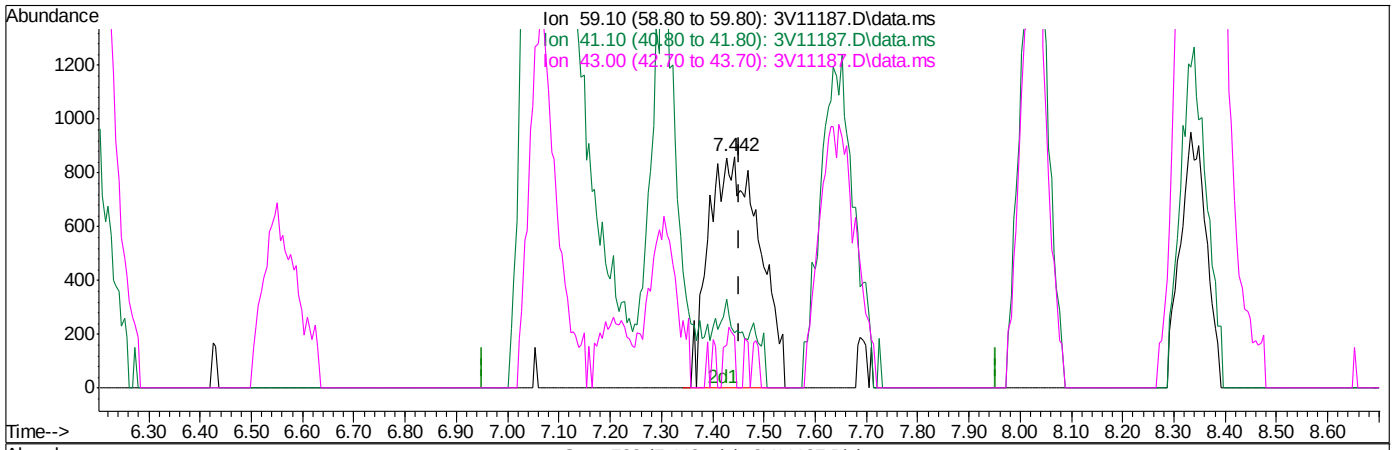
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

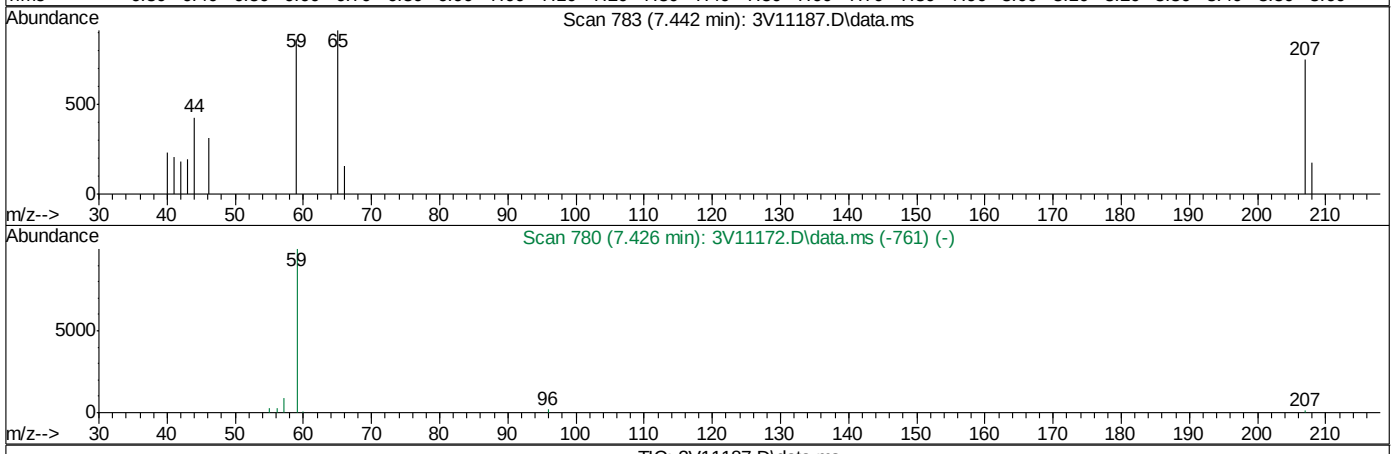
3V11187.D edits: tertiary butyl alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 25.22ug/L m

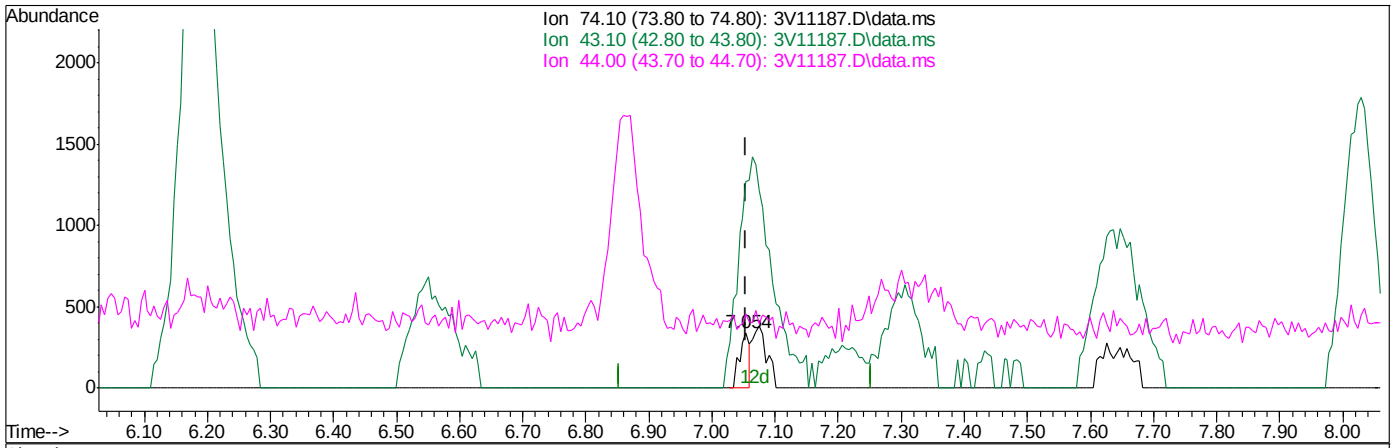
response 5952

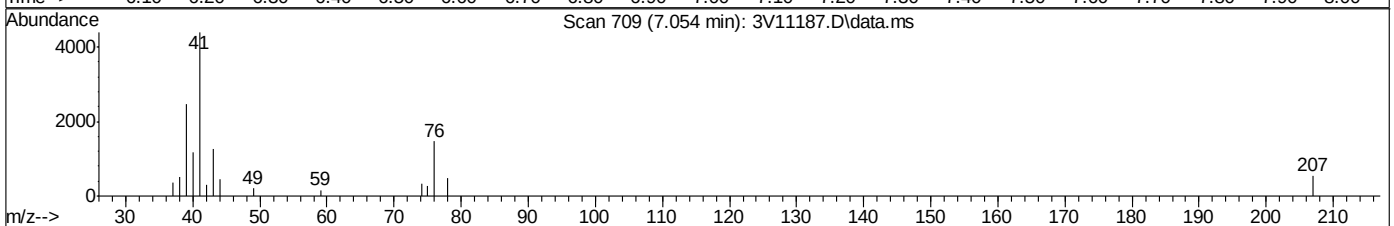
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

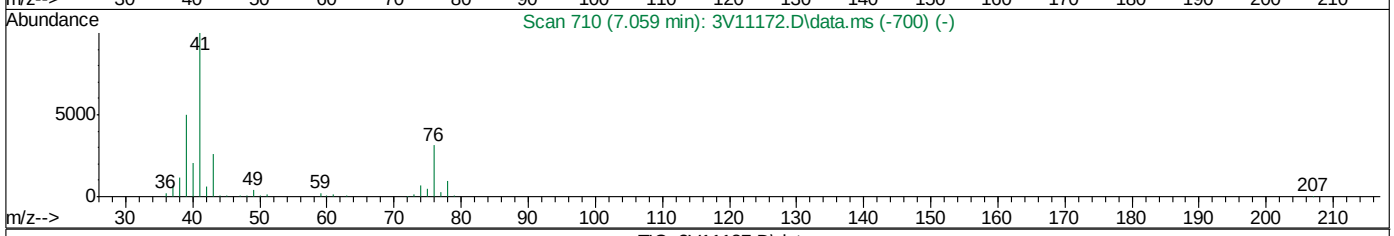
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.054min (+0.000) 1.80ug/L

response 390

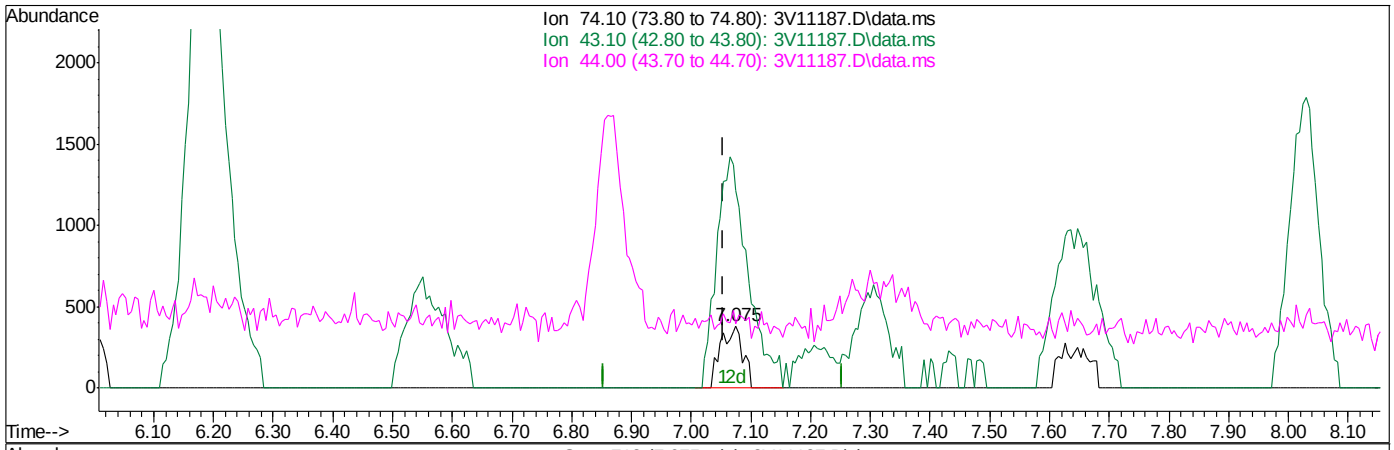
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	1333.59#
44.00	11.80	0.00
0.00	0.00	0.00

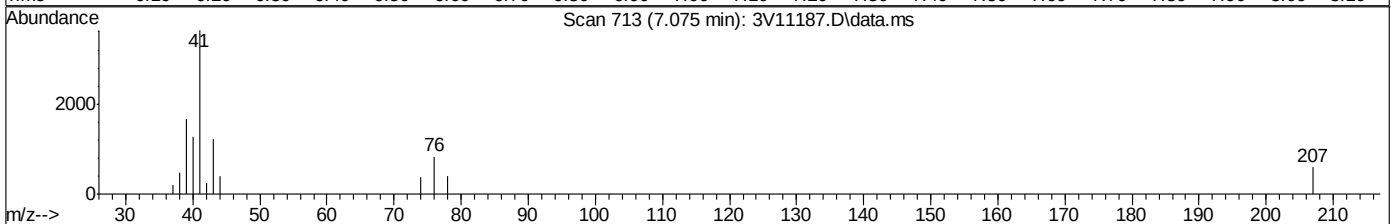
3V11187.D edits: methyl acetate

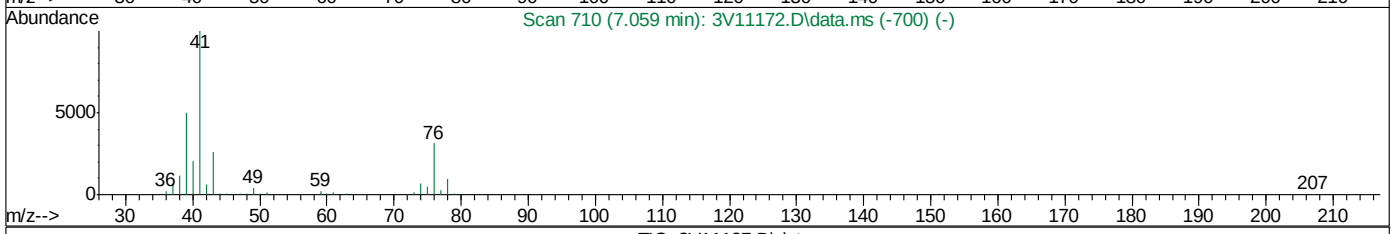
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.075min (+0.021) 4.53ug/L m

response 979

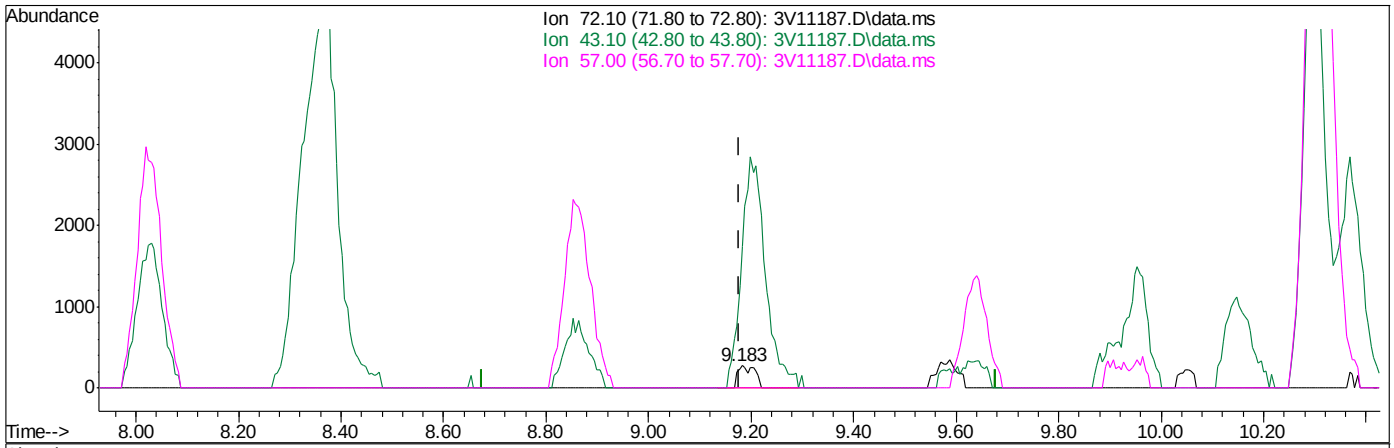
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	531.26#
44.00	11.80	0.00
0.00	0.00	0.00

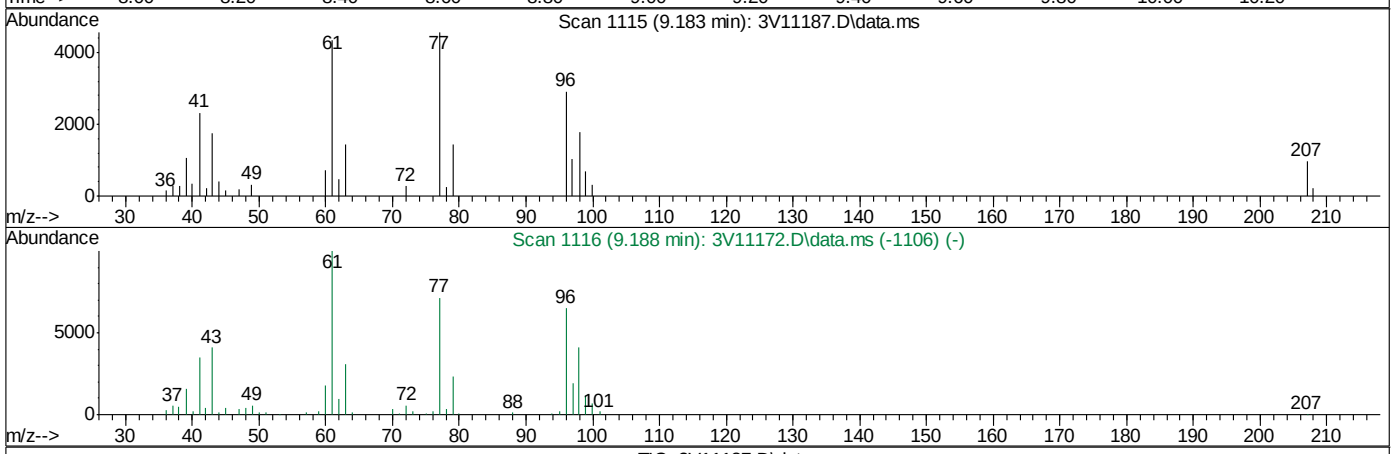
3V11187.D edits: methyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(30) 2-butanone

9.183min (+0.005) 3.79ug/L m

response 634

Ion	Exp%	Act%
72.10	100	100
43.10	1007.00	0.00#
57.00	25.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.322	65	87172	500.00	ug/L	0.01
5) pentafluorobenzene	9.786	168	155895	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	237131	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	225258	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148116	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	19404	9.41	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 18.82%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	17155	9.58	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 19.16%#			
71) toluene-d8 (s)	12.423	98	60116	9.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 19.44%#			
95) 4-bromofluorobenzene (s)	15.165	95	25758	8.63	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 17.26%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.532	88	5496	245.83	ug/L	94
4) tertiary butyl alcohol	7.432	59	11996	48.48	ug/L	87
6) chlorodifluoromethane	3.552	51	39053	10.58	ug/L	99
7) dichlorodifluoromethane	3.547	85	43582	11.98	ug/L	99
8) chloromethane	3.851	50	34575	9.35	ug/L	98
9) vinyl chloride	4.123	62	38630	10.26	ug/L	99
10) bromomethane	4.800	94	25976	10.69	ug/L	95
11) chloroethane	5.004	64	13871	11.25	ug/L	95
12) trichlorofluoromethane	5.513	101	44460	11.25	ug/L	98
13) ethyl ether	5.969	74	7801	10.13	ug/L	94
14) 2-chloropropane	6.179	43	30544	10.19	ug/L	98
15) acrolein	6.294	56	30535	99.25	ug/L	99
16) 1,1-dichloroethene	6.435	96	21512	9.83	ug/L	97
17) acetone	6.556	43	5391	9.33	ug/L	99
18) allyl chloride	7.059	76	9640	10.36	ug/L	98
19) acetonitrile	7.070	40	13904	115.73	ug/L	90
20) iodomethane	6.750	142	45197	9.98	ug/L	97
21) iso-butyl alcohol	10.148	41	6053	106.82	ug/L	90
22) carbon disulfide	6.865	76	81861	9.74	ug/L	99
23) methylene chloride	7.290	84	24467	9.11	ug/L	95
24) 1-chloropropane	7.306	42	37116	11.38	ug/L	93
25) methyl acetate	7.065	74	2074	9.42	ug/L #	63
26) methyl tert butyl ether	7.647	73	52311	9.81	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	22282	9.58	ug/L	98
28) di-isopropyl ether	8.339	45	56619	10.39	ug/L	95
29) ethyl tert-butyl ether	8.863	59	56407	10.40	ug/L	99
30) 2-butanone	9.188	72	1599	9.03	ug/L #	65
31) 1,1-dichloroethane	8.365	63	37131	10.27	ug/L	98
32) chloroprene	8.470	53	23697	10.69	ug/L	98
33) acrylonitrile	7.704	53	24987	50.62	ug/L	97
34) vinyl acetate	8.375	86	1677	8.83	ug/L	51
35) ethyl acetate	9.204	45	1751	10.39	ug/L	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	36651	10.55	ug/L		96
37) cis-1,2-dichloroethene	9.204	96	22899	8.72	ug/L		96
38) propionitrile	9.324	54	21633	102.59	ug/L		96
39) methyl acrylate	9.288	55	13812	9.80	ug/L	#	95
40) bromochloromethane	9.545	128	10674	10.36	ug/L		99
41) tetrahydrofuran	9.581	42	4711	10.26	ug/L		94
42) chloroform	9.618	83	37217	9.64	ug/L		100
45) freon 113	6.415	151	20110	11.58	ug/L		96
46) methacrylonitrile	9.503	41	6896	9.93	ug/L		95
47) 1,1,1-trichloroethane	9.859	97	36805	10.67	ug/L		98
48) tert-amyl methyl ether	10.368	73	54954	10.15	ug/L		98
50) epichlorohydrin	12.072	57	6455	51.39	ug/L		99
51) n-butyl alcohol	10.939	56	25342	493.64	ug/L		94
52) cyclohexane	9.906	84	33087	10.49	ug/L		98
53) carbon tetrachloride	10.064	117	33717	10.57	ug/L		97
54) 1,1-dichloropropene	10.048	75	26260	10.45	ug/L		96
55) hexane	8.029	57	21011	10.20	ug/L		98
56) ISOOCTANE	10.305	57	68705	10.28	ug/L		98
57) benzene	10.331	78	76311	8.79	ug/L		98
58) heptane	10.509	57	12870	10.34	ug/L		96
59) isopropyl acetate	10.294	43	35086	10.18	ug/L		99
60) 1,2-dichloroethane	10.378	62	21384	9.89	ug/L		94
61) trichloroethene	11.091	95	20344	10.09	ug/L		98
63) 2-nitropropane	11.935	43	23687	9.75	ug/L		97
64) 2-chloroethyl vinyl ether	11.941	63	35190	52.76	ug/L		96
65) methyl methacrylate	11.291	41	12958	10.69	ug/L		95
66) 1,2-dichloropropane	11.374	63	18271	9.69	ug/L		99
67) methylcyclohexane	11.285	83	33799	10.54	ug/L		97
68) dibromomethane	11.547	93	11464	10.02	ug/L		97
69) bromodichloromethane	11.684	83	24400	9.92	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	27191	10.11	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	5274	9.96	ug/L		99
73) toluene	12.491	92	43115	9.06	ug/L		98
74) 3-methyl-1-butanol	12.297	70	8793	200.63	ug/L		95
75) trans-1,3-dichloropropene	12.722	75	22810	9.64	ug/L		94
76) ethyl methacrylate	12.711	69	15819	9.65	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	12549	10.04	ug/L		99
78) 2-hexanone	13.120	58	4601	9.45	ug/L		99
80) tetrachloroethene	13.078	166	21799	9.80	ug/L		98
81) 1,3-dichloropropane	13.120	76	22055	9.28	ug/L		97
82) butyl acetate	13.189	56	8714	10.13	ug/L		92
83) dibromochloromethane	13.388	129	19062	9.37	ug/L		98
84) 1,2-dibromoethane	13.535	107	15504	9.44	ug/L		100
86) chlorobenzene	14.001	112	53086	9.19	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	21360	9.77	ug/L		99
88) ethylbenzene	14.054	91	90063	9.52	ug/L		99
89) m,p-xylene	14.164	106	70000	18.45	ug/L		99
90) o-xylene	14.599	106	34986	8.65	ug/L		90
91) styrene	14.615	104	54388	9.62	ug/L		100
92) bromoform	14.898	173	13930	9.41	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) isopropylbenzene	14.945	105	93795	8.70	ug/L		98
96) bromobenzene	15.359	156	26097	9.11	ug/L		99
97) cyclohexanone	15.144	55	31028	80.66	ug/L		99
98) 1,1,2,2-tetrachloroethane	15.291	83	23945	8.89	ug/L		97
99) trans-1,4-dichloro-2-b...	15.328	53	5144	9.87	ug/L	#	79
100) 1,2,3-trichloropropane	15.359	110	5245	9.62	ug/L		97
101) n-propylbenzene	15.364	91	118117	8.80	ug/L		99
102) 2-chlorotoluene	15.511	126	25540	9.25	ug/L		99
103) 4-chlorotoluene	15.616	91	71783	9.08	ug/L		99
104) 1,3,5-trimethylbenzene	15.516	105	83080	8.38	ug/L		99
105) tert-butylbenzene	15.862	119	63295	9.21	ug/L		100
106) pentachloroethane	15.957	167	16048	8.96	ug/L		96
107) 1,2,4-trimethylbenzene	15.910	105	86737	6.81	ug/L		93
108) sec-butylbenzene	16.072	105	113251	9.33	ug/L		99
109) 1,3-dichlorobenzene	16.266	146	55293	9.04	ug/L		100
110) p-isopropyltoluene	16.193	119	95788	9.22	ug/L		100
111) 1,4-dichlorobenzene	16.350	146	55490	8.86	ug/L		100
112) 1,2-dichlorobenzene	16.733	146	54747	9.00	ug/L		98
113) n-butylbenzene	16.596	92	54935	9.26	ug/L		99
114) 1,2-dibromo-3-chloropr...	17.477	75	5124	9.34	ug/L		87
115) 1,3,5-TRICHLOROBENZENE	17.629	180	54926	9.27	ug/L		98
116) 1,2,4-trichlorobenzene	18.211	180	50715	8.95	ug/L		98
117) hexachlorobutadiene	18.300	225	27458	9.49	ug/L		99
118) naphthalene	18.468	128	97024	8.07	ug/L		99
119) 1,2,3-trichlorobenzene	18.694	180	47717	9.01	ug/L		99
120) hexachloroethane	16.964	119	18455	8.68	ug/L		97
121) Benzyl chloride	16.471	91	47981	10.03	ug/L		98

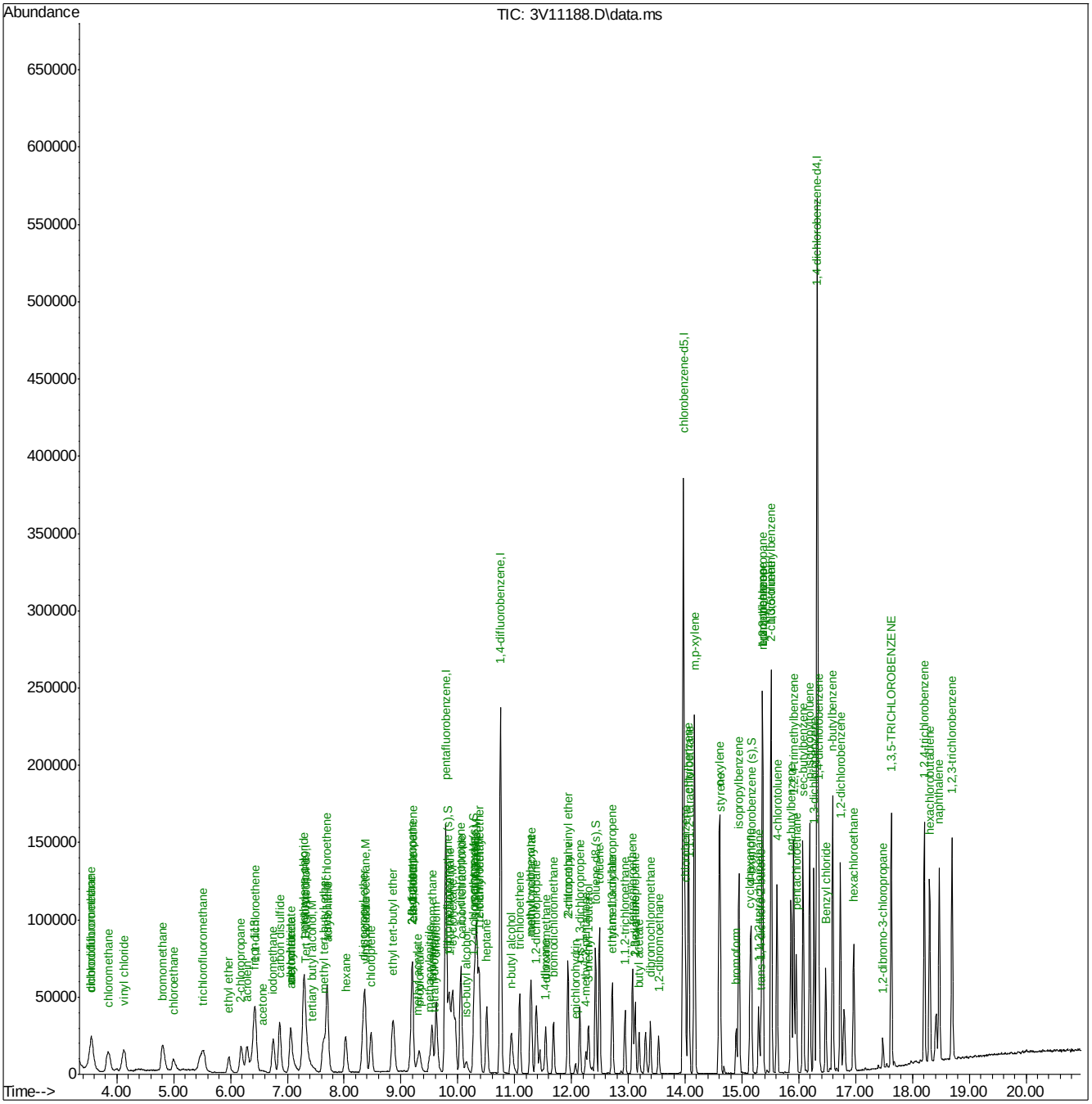
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.18
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	101825	500.00	ug/L	#	0.00
5) pentafluorobenzene	9.786	168	153244	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	236365	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	218905	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	143693	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	96313	47.53	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.06%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	86372	49.07	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.14%				
71) toluene-d8 (s)	12.423	98	295217	47.86	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.72%				
95) 4-bromofluorobenzene (s)	15.165	95	125790	43.46	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 86.92%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	12398	474.75	ug/L	#	100
4) tertiary butyl alcohol	7.432	59	27305	94.47	ug/L		97
6) chlorodifluoromethane	3.552	51	63978	17.63	ug/L		97
7) dichlorodifluoromethane	3.541	85	84573	23.66	ug/L		99
8) chloromethane	3.856	50	70486	19.38	ug/L		99
9) vinyl chloride	4.128	62	76706	20.73	ug/L		98
10) bromomethane	4.810	94	49730	20.83	ug/L		99
11) chloroethane	4.999	64	26797	22.11	ug/L		93
12) trichlorofluoromethane	5.518	101	86648	22.30	ug/L		99
13) ethyl ether	5.974	74	17101	22.58	ug/L		92
14) 2-chloropropane	6.184	43	62155	21.09	ug/L		97
15) acrolein	6.294	56	66185	218.85	ug/L		100
16) 1,1-dichloroethene	6.435	96	43860	20.38	ug/L		96
17) acetone	6.545	43	13274	23.37	ug/L		98
18) allyl chloride	7.059	76	20524	22.45	ug/L		98
19) acetonitrile	7.070	40	29229	247.51	ug/L		87
20) iodomethane	6.745	142	94946	21.32	ug/L		99
21) iso-butyl alcohol	10.147	41	13554	243.34	ug/L		91
22) carbon disulfide	6.865	76	168603	20.40	ug/L		98
23) methylene chloride	7.285	84	48641	18.42	ug/L		96
24) 1-chloropropane	7.306	42	69274	21.60	ug/L		97
25) methyl acetate	7.054	74	4846	22.38	ug/L	#	86
26) methyl tert butyl ether	7.641	73	113736	21.70	ug/L		97
27) trans-1,2-dichloroethene	7.699	96	45526	19.91	ug/L		96
28) di-isopropyl ether	8.339	45	109546	20.46	ug/L		99
29) ethyl tert-butyl ether	8.863	59	111490	20.90	ug/L		98
30) 2-butanone	9.188	72	4067	23.36	ug/L		99
31) 1,1-dichloroethane	8.365	63	75871	21.34	ug/L		99
32) chloroprene	8.470	53	47145	21.63	ug/L		97
33) acrylonitrile	7.704	53	57776	119.08	ug/L		98
34) vinyl acetate	8.370	86	4096	21.94	ug/L		73
35) ethyl acetate	9.198	45	3736	22.55	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	74654	21.86	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	49493	19.16	ug/L		98
38) propionitrile	9.319	54	50012	241.29	ug/L		99
39) methyl acrylate	9.288	55	32145	23.20	ug/L	#	98
40) bromochloromethane	9.544	128	23265	22.98	ug/L		96
41) tetrahydrofuran	9.576	42	10457	23.16	ug/L		97
42) chloroform	9.618	83	76094	20.06	ug/L		100
45) freon 113	6.414	151	37795	22.14	ug/L		95
46) methacrylonitrile	9.497	41	15856	23.23	ug/L		93
47) 1,1,1-trichloroethane	9.854	97	74634	22.00	ug/L		99
48) tert-amyl methyl ether	10.373	73	109891	20.65	ug/L		99
50) epichlorohydrin	12.066	57	14037	112.11	ug/L		97
51) n-butyl alcohol	10.939	56	61873	1209.14	ug/L		96
52) cyclohexane	9.912	84	67574	21.49	ug/L		98
53) carbon tetrachloride	10.064	117	68473	21.53	ug/L		99
54) 1,1-dichloropropene	10.048	75	53407	21.31	ug/L		100
55) hexane	8.029	57	40507	19.73	ug/L		98
56) ISOOCTANE	10.310	57	136480	20.49	ug/L		97
57) benzene	10.331	78	156348	18.06	ug/L		99
58) heptane	10.509	57	26270	21.17	ug/L		95
59) isopropyl acetate	10.294	43	73081	21.28	ug/L		98
60) 1,2-dichloroethane	10.378	62	45879	21.29	ug/L		98
61) trichloroethene	11.091	95	41992	20.90	ug/L		100
63) 2-nitropropane	11.935	43	51321	21.18	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	74973	112.78	ug/L		99
65) methyl methacrylate	11.290	41	25143	20.82	ug/L		100
66) 1,2-dichloropropane	11.374	63	38863	20.67	ug/L		99
67) methylcyclohexane	11.285	83	65392	20.46	ug/L		97
68) dibromomethane	11.542	93	24841	21.79	ug/L		95
69) bromodichloromethane	11.684	83	51386	20.96	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	57692	21.51	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	12565	23.81	ug/L		99
73) toluene	12.496	92	88809	18.72	ug/L		97
74) 3-methyl-1-butanol	12.297	70	21462	491.27	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	50682	21.49	ug/L		97
76) ethyl methacrylate	12.711	69	36667	22.44	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	26702	21.43	ug/L		96
78) 2-hexanone	13.115	58	11416	23.53	ug/L		99
80) tetrachloroethene	13.078	166	44992	20.82	ug/L		99
81) 1,3-dichloropropane	13.120	76	46951	20.34	ug/L		97
82) butyl acetate	13.188	56	20040	23.97	ug/L		99
83) dibromochloromethane	13.388	129	41409	20.95	ug/L		99
84) 1,2-dibromoethane	13.534	107	34083	21.35	ug/L		100
86) chlorobenzene	14.001	112	108771	19.37	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	44511	20.95	ug/L		98
88) ethylbenzene	14.054	91	184421	20.06	ug/L		99
89) m,p-xylene	14.164	106	143132	38.83	ug/L		97
90) o-xylene	14.599	106	73343	18.66	ug/L		95
91) styrene	14.615	104	114969	20.93	ug/L		99
92) bromoform	14.898	173	31213	21.71	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

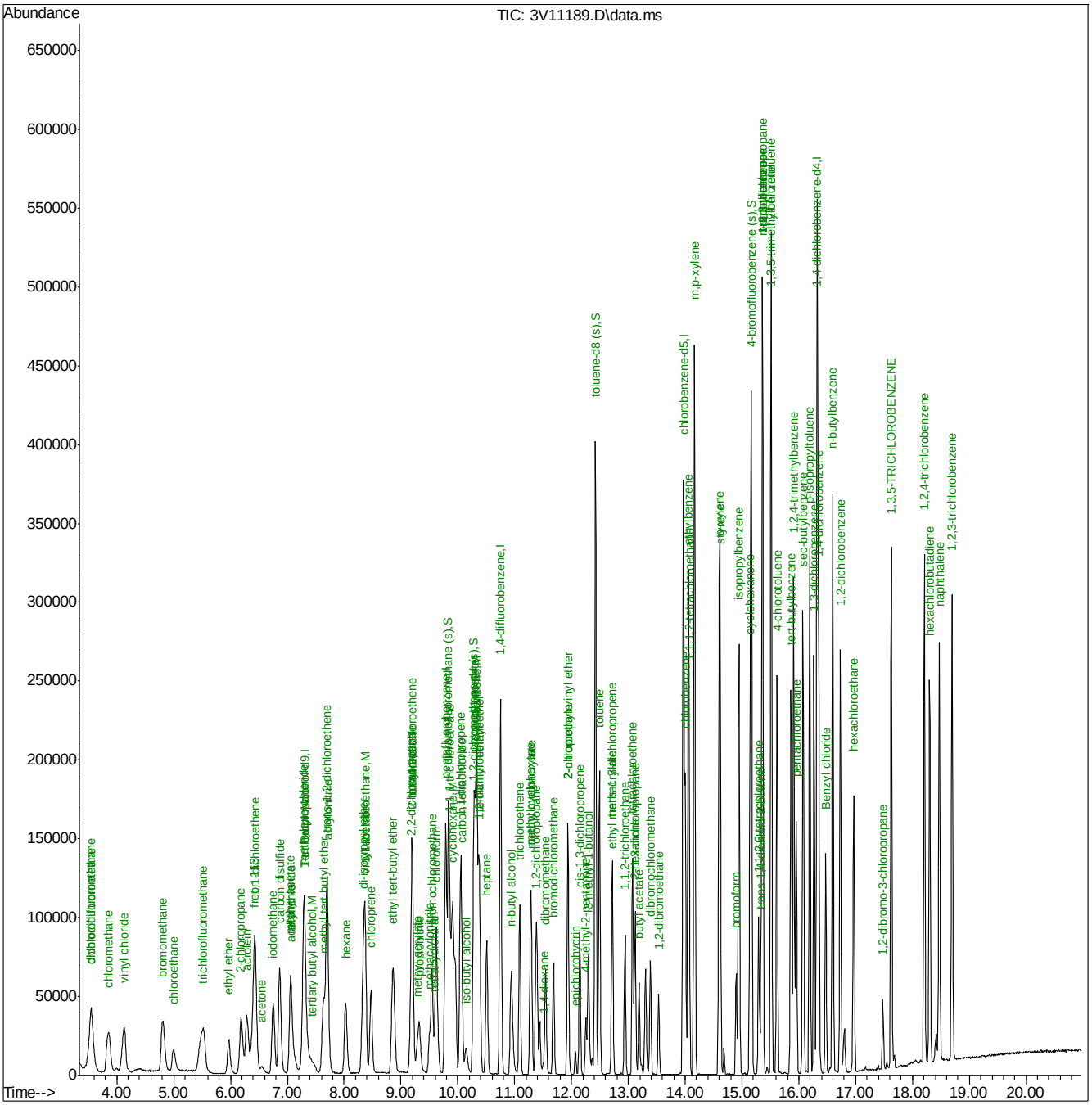
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	198743	19.00	ug/L	100
96) bromobenzene	15.359	156	53803	19.37	ug/L	98
97) cyclohexanone	15.144	55	92458	247.74	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	53202	20.35	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11446	22.64	ug/L	94
100) 1,2,3-trichloropropane	15.359	110	11537	21.81	ug/L	91
101) n-propylbenzene	15.364	91	237095	18.20	ug/L	100
102) 2-chlorotoluene	15.511	126	52146	19.47	ug/L	98
103) 4-chlorotoluene	15.616	91	144997	18.90	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	171798	17.86	ug/L	100
105) tert-butylbenzene	15.862	119	133417	20.01	ug/L	99
106) pentachloroethane	15.957	167	34581	19.91	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	176981	14.32	ug/L	95
108) sec-butylbenzene	16.072	105	233339	19.82	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	112486	18.96	ug/L	99
110) p-isopropyltoluene	16.193	119	198047	19.66	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	112570	18.52	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	111330	18.86	ug/L	99
113) n-butylbenzene	16.596	92	113360	19.69	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	11071	20.81	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	111106	19.33	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	103166	18.77	ug/L	99
117) hexachlorobutadiene	18.300	225	54654	19.47	ug/L	99
118) naphthalene	18.473	128	211212	18.12	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	97885	19.05	ug/L	99
120) hexachloroethane	16.969	119	38094	18.46	ug/L	99
121) Benzyl chloride	16.471	91	98186	21.15	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



M3V474.M Thu May 29 13:14:42 2014 GCMS3V Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	83422	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	152902	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	230123	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	215268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	139827	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	94725	46.85	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.70%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	82748	47.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.24%			
71) toluene-d8 (s)	12.418	98	292220	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.32%			
95) 4-bromofluorobenzene (s)	15.165	95	120199	42.67	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 85.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	27764	1297.69	ug/L #	99
4) tertiary butyl alcohol	7.453	59	56442	238.36	ug/L	98
6) chlorodifluoromethane	3.546	51	150643	41.60	ug/L	97
7) dichlorodifluoromethane	3.536	85	211391	59.27	ug/L	98
8) chloromethane	3.851	50	178797	49.28	ug/L	100
9) vinyl chloride	4.123	62	195973	53.08	ug/L	100
10) bromomethane	4.805	94	120861	50.73	ug/L	98
11) chloroethane	4.988	64	63781	52.75	ug/L	98
12) trichlorofluoromethane	5.513	101	211812	54.63	ug/L	99
13) ethyl ether	5.964	74	38876	51.45	ug/L	97
14) 2-chloropropane	6.178	43	148778	50.59	ug/L	100
15) acrolein	6.283	56	139386	461.94	ug/L	97
16) 1,1-dichloroethene	6.430	96	102517	47.74	ug/L	95
17) acetone	6.540	43	23176	40.90	ug/L	92
18) allyl chloride	7.054	76	46885	51.39	ug/L	97
19) acetonitrile	7.065	40	64822	550.13	ug/L	100
20) iodomethane	6.745	142	225803	50.82	ug/L	99
21) iso-butyl alcohol	10.147	41	27321	491.60	ug/L	98
22) carbon disulfide	6.860	76	401586	48.71	ug/L	100
23) methylene chloride	7.285	84	112190	42.59	ug/L	96
24) 1-chloropropane	7.300	42	143374	44.81	ug/L	100
25) methyl acetate	7.054	74	10866	50.30	ug/L	93
26) methyl tert butyl ether	7.636	73	261160	49.93	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	106627	46.74	ug/L	99
28) di-isopropyl ether	8.333	45	276431	51.74	ug/L	96
29) ethyl tert-butyl ether	8.858	59	282898	53.16	ug/L	99
30) 2-butanone	9.178	72	8405	48.38	ug/L	95
31) 1,1-dichloroethane	8.365	63	176484	49.75	ug/L	99
32) chloroprene	8.470	53	119462	54.94	ug/L	99
33) acrylonitrile	7.699	53	123070	254.23	ug/L	98
34) vinyl acetate	8.370	86	10031	53.86	ug/L	80
35) ethyl acetate	9.204	45	8176	49.45	ug/L	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	180135	52.86	ug/L		99
37) cis-1,2-dichloroethene	9.198	96	114842	44.57	ug/L		97
38) propionitrile	9.324	54	104904	507.25	ug/L		91
39) methyl acrylate	9.282	55	68924	49.85	ug/L	#	100
40) bromochloromethane	9.544	128	53786	53.25	ug/L		98
41) tetrahydrofuran	9.571	42	22131	49.12	ug/L		97
42) chloroform	9.613	83	180327	47.63	ug/L		100
45) freon 113	6.404	151	95209	55.90	ug/L		97
46) methacrylonitrile	9.497	41	34747	51.03	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	180731	53.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	272269	51.28	ug/L		98
50) epichlorohydrin	12.066	57	31545	258.78	ug/L		98
51) n-butyl alcohol	10.939	56	132246	2654.49	ug/L		99
52) cyclohexane	9.906	84	159965	52.25	ug/L		96
53) carbon tetrachloride	10.064	117	165915	53.59	ug/L		99
54) 1,1-dichloropropene	10.048	75	127592	52.30	ug/L		100
55) hexane	8.024	57	98336	49.19	ug/L		98
56) ISOOCTANE	10.310	57	364727	56.25	ug/L		100
57) benzene	10.331	78	370529	43.97	ug/L		99
58) heptane	10.509	57	62440	51.68	ug/L		97
59) isopropyl acetate	10.294	43	172351	51.55	ug/L		99
60) 1,2-dichloroethane	10.378	62	106182	50.60	ug/L		99
61) trichloroethene	11.086	95	99668	50.96	ug/L		97
63) 2-nitropropane	11.935	43	120010	50.88	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	179460	277.28	ug/L		100
65) methyl methacrylate	11.285	41	62536	53.18	ug/L		95
66) 1,2-dichloropropane	11.374	63	91371	49.91	ug/L		98
67) methylcyclohexane	11.285	83	168640	54.20	ug/L		100
68) dibromomethane	11.542	93	57461	51.78	ug/L		99
69) bromodichloromethane	11.684	83	123623	51.80	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	138282	52.96	ug/L		100
72) 4-methyl-2-pentanone	12.250	58	26873	52.31	ug/L		100
73) toluene	12.491	92	212115	45.91	ug/L		99
74) 3-methyl-1-butanol	12.297	70	47127	1108.02	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	118390	51.56	ug/L		97
76) ethyl methacrylate	12.711	69	83281	52.34	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	62298	51.36	ug/L		99
78) 2-hexanone	13.115	58	23569	49.89	ug/L		99
80) tetrachloroethene	13.078	166	105219	49.52	ug/L		97
81) 1,3-dichloropropane	13.120	76	107261	47.24	ug/L		100
82) butyl acetate	13.188	56	42089	51.20	ug/L		97
83) dibromochloromethane	13.388	129	98691	50.78	ug/L		97
84) 1,2-dibromoethane	13.534	107	77319	49.26	ug/L		97
86) chlorobenzene	14.001	112	256507	46.46	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	108773	52.07	ug/L		99
88) ethylbenzene	14.054	91	439509	48.62	ug/L		98
89) m,p-xylene	14.164	106	341999	94.35	ug/L		99
90) o-xylene	14.599	106	178478	46.18	ug/L		100
91) styrene	14.615	104	276737	51.23	ug/L		99
92) bromoform	14.898	173	71807	50.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

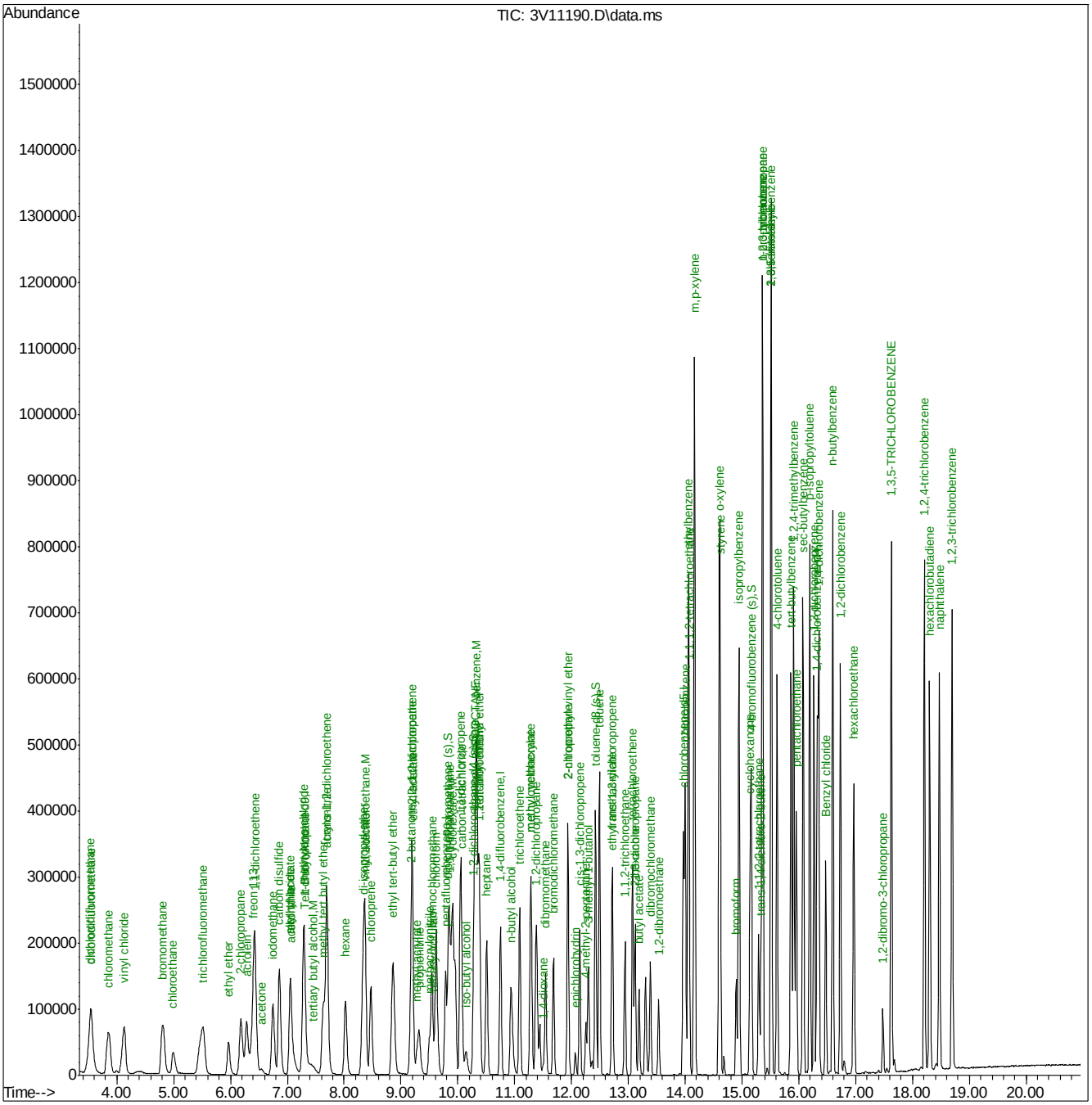
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	479873	47.15	ug/L	99
96) bromobenzene	15.359	156	126808	46.91	ug/L	98
97) cyclohexanone	15.144	55	148904	410.02	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	118022	46.40	ug/L	100
99) trans-1,4-dichloro-2-b...	15.333	53	25177	51.19	ug/L	98
100) 1,2,3-trichloropropane	15.364	110	25274	49.09	ug/L	98
101) n-propylbenzene	15.364	91	571504	45.09	ug/L	100
102) 2-chlorotoluene	15.516	126	125136	48.02	ug/L	99
103) 4-chlorotoluene	15.616	91	341405	45.72	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	420702	44.95	ug/L	99
105) tert-butylbenzene	15.862	119	331962	51.17	ug/L	98
106) pentachloroethane	15.957	167	87038	51.49	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	423347	35.20	ug/L	99
108) sec-butylbenzene	16.072	105	571696	49.90	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	264421	45.81	ug/L	99
110) p-isopropyltoluene	16.193	119	484209	49.39	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	264737	44.76	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	258683	45.03	ug/L	99
113) n-butylbenzene	16.596	92	265229	47.34	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	24116	46.59	ug/L	98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	266886	47.71	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	249673	46.67	ug/L	98
117) hexachlorobutadiene	18.300	225	134286	49.16	ug/L	98
118) naphthalene	18.473	128	482009	42.49	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	234821	46.96	ug/L	99
120) hexachloroethane	16.969	119	97991	48.80	ug/L	100
121) Benzyl chloride	16.471	91	230452	51.01	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	87890	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	161098	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	245102	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	227268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	146728	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	201051	94.38	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 188.76%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	174532	94.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 188.66%#			
71) toluene-d8 (s)	12.418	98	611951	95.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 191.36%#			
95) 4-bromofluorobenzene (s)	15.165	95	246249	83.31	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 166.62%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	61261	2717.77	ug/L	98
4) tertiary butyl alcohol	7.432	59	120890	484.58	ug/L	97
6) chlorodifluoromethane	3.552	51	302745	79.35	ug/L	98
7) dichlorodifluoromethane	3.541	85	440459	117.21	ug/L	98
8) chloromethane	3.872	50	400885	104.87	ug/L	98
9) vinyl chloride	4.134	62	428711	110.21	ug/L	100
10) bromomethane	4.821	94	247908	98.77	ug/L	100
11) chloroethane	4.999	64	135789	106.60	ug/L	97
12) trichlorofluoromethane	5.513	101	458181	112.15	ug/L	100
13) ethyl ether	5.969	74	85189	107.01	ug/L	99
14) 2-chloropropane	6.189	43	310326	100.16	ug/L	99
16) 1,1-dichloroethene	6.435	96	214287	94.72	ug/L	98
17) acetone	6.546	43	49210	82.43	ug/L	94
18) allyl chloride	7.059	76	98871	102.86	ug/L	97
19) acetonitrile	7.065	40	136826	1102.13	ug/L	95
20) iodomethane	6.750	142	478507	102.21	ug/L	99
21) iso-butyl alcohol	10.148	41	58867	1005.34	ug/L	96
22) carbon disulfide	6.865	76	839491	96.64	ug/L	100
23) methylene chloride	7.285	84	238284	85.85	ug/L	96
24) 1-chloropropane	7.306	42	298007	88.41	ug/L	100
25) methyl acetate	7.065	74	23736	104.29	ug/L	98
26) methyl tert butyl ether	7.647	73	559357	101.50	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	223397	92.95	ug/L	97
28) di-isopropyl ether	8.333	45	595902	105.86	ug/L	97
29) ethyl tert-butyl ether	8.863	59	620825	110.73	ug/L	99
30) 2-butanone	9.183	72	19036	104.01	ug/L	98
31) 1,1-dichloroethane	8.365	63	374568	100.22	ug/L	100
32) chloroprene	8.475	53	260368	113.66	ug/L	98
33) acrylonitrile	7.699	53	261606	512.91	ug/L	99
34) vinyl acetate	8.370	86	22764	116.01	ug/L	88
35) ethyl acetate	9.199	45	18193	104.44	ug/L	92
36) 2,2-dichloropropane	9.188	77	373094	103.91	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	242334	89.26	ug/L		99
38) propionitrile	9.319	54	221264	1015.46	ug/L		95
39) methyl acrylate	9.282	55	149702	102.76	ug/L	#	99
40) bromochloromethane	9.545	128	117156	110.09	ug/L		96
41) tetrahydrofuran	9.571	42	47174	99.38	ug/L		99
42) chloroform	9.618	83	380030	95.28	ug/L		99
45) freon 113	6.414	151	205169	114.34	ug/L		98
46) methacrylonitrile	9.497	41	74594	103.98	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	377932	105.98	ug/L		98
48) tert-amyl methyl ether	10.373	73	605820	108.31	ug/L		98
50) epichlorohydrin	12.066	57	68306	526.10	ug/L		97
51) n-butyl alcohol	10.939	56	291771	5498.63	ug/L		98
52) cyclohexane	9.906	84	340304	104.37	ug/L		100
53) carbon tetrachloride	10.064	117	348260	105.61	ug/L		100
54) 1,1-dichloropropene	10.048	75	270769	104.20	ug/L		99
55) hexane	8.024	57	216088	101.49	ug/L		98
56) ISOOCTANE	10.315	57	826986	119.75	ug/L		99
57) benzene	10.331	78	788340	87.84	ug/L		100
58) heptane	10.509	57	135352	105.19	ug/L		98
59) isopropyl acetate	10.294	43	374606	105.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	228189	102.10	ug/L		99
61) trichloroethene	11.091	95	211487	101.52	ug/L		99
63) 2-nitropropane	11.935	43	260717	103.79	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	391705	568.23	ug/L		100
65) methyl methacrylate	11.285	41	134089	107.05	ug/L		95
66) 1,2-dichloropropane	11.374	63	192734	98.84	ug/L		99
67) methylcyclohexane	11.285	83	367131	110.79	ug/L		100
68) dibromomethane	11.542	93	123354	104.36	ug/L		100
69) bromodichloromethane	11.684	83	264983	104.24	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	295117	106.12	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	58152	106.28	ug/L		98
73) toluene	12.496	92	446644	90.77	ug/L		100
74) 3-methyl-1-butanol	12.297	70	103594	2286.78	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	250898	102.58	ug/L		98
76) ethyl methacrylate	12.711	69	181816	107.28	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	130885	101.30	ug/L		99
78) 2-hexanone	13.115	58	50657	100.68	ug/L		94
80) tetrachloroethene	13.078	166	227663	101.48	ug/L		99
81) 1,3-dichloropropane	13.120	76	224782	93.77	ug/L		99
82) butyl acetate	13.188	56	88891	102.42	ug/L		97
83) dibromochloromethane	13.388	129	215244	104.91	ug/L		98
84) 1,2-dibromoethane	13.535	107	165005	99.57	ug/L		98
86) chlorobenzene	14.001	112	541209	92.85	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	235342	106.71	ug/L		99
88) ethylbenzene	14.054	91	913703	95.75	ug/L		99
89) m,p-xylene	14.164	106	707231	184.80	ug/L		100
90) o-xylene	14.599	106	374954	91.89	ug/L		99
91) styrene	14.615	104	581263	101.93	ug/L		99
92) bromoform	14.898	173	156350	104.72	ug/L		99
94) isopropylbenzene	14.950	105	1015523	95.09	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

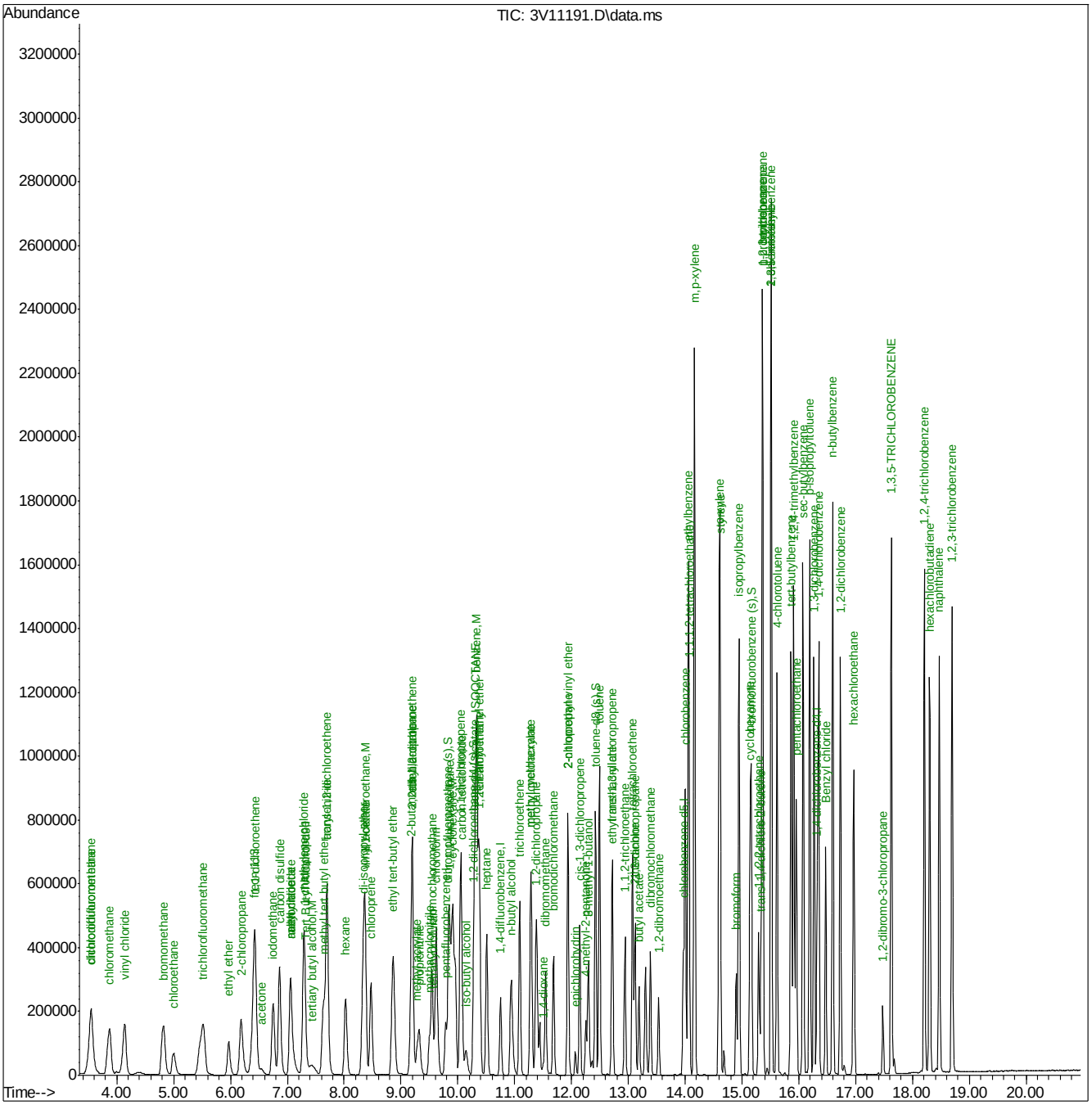
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	265833	93.70	ug/L	98
97)	cyclohexanone	15.144	55	344172	903.13	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	247154	92.60	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	53630	103.90	ug/L	100
100)	1,2,3-trichloropropane	15.364	110	52209	96.64	ug/L	98
101)	n-propylbenzene	15.364	91	1174901	88.34	ug/L	100
102)	2-chlorotoluene	15.516	126	259341	94.85	ug/L	96
103)	4-chlorotoluene	15.616	91	713434	91.05	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	898163	91.45	ug/L	99
105)	tert-butylbenzene	15.862	119	728162	106.96	ug/L	98
106)	pentachloroethane	15.957	167	190005	107.12	ug/L	98
107)	1,2,4-trimethylbenzene	15.910	105	892897	70.75	ug/L	100
108)	sec-butylbenzene	16.072	105	1229242	102.25	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	555296	91.68	ug/L	99
110)	p-isopropyltoluene	16.193	119	1019628	99.12	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	558653	90.00	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	553481	91.82	ug/L	100
113)	n-butylbenzene	16.596	92	563199	95.79	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	51494	94.79	ug/L	97
115)	1,3,5-TRICHLOROBENZENE	17.629	180	564633	96.18	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	528349	94.12	ug/L	99
117)	hexachlorobutadiene	18.300	225	289340	100.95	ug/L	99
118)	naphthalene	18.468	128	1037769	87.18	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	493208	93.99	ug/L	99
120)	hexachloroethane	16.969	119	221488	105.11	ug/L	99
121)	Benzyl chloride	16.471	91	501621	105.82	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	95252	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	176689	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	271465	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	257214	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	159325	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.838	113	455472	194.94	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 389.88%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	388372	191.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 382.76%#			
71) toluene-d8 (s)	12.423	98	1383078	195.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 390.50%#			
95) 4-bromofluorobenzene (s)	15.165	95	555030	172.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 345.86%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	122829	5028.00	ug/L	98
4) tertiary butyl alcohol	7.432	59	243320	899.94	ug/L	95
6) chlorodifluoromethane	3.557	51	622973	148.88	ug/L	98
7) dichlorodifluoromethane	3.536	85	942009	228.55	ug/L	98
8) chloromethane	3.882	50	929110	221.61	ug/L	99
9) vinyl chloride	4.144	62	981699	230.09	ug/L	99
10) bromomethane	4.826	94	499925	181.60	ug/L	100
11) chloroethane	5.004	64	265552	190.07	ug/L	98
12) trichlorofluoromethane	5.518	101	1001629	223.54	ug/L	99
13) ethyl ether	5.969	74	190214	217.86	ug/L	97
14) 2-chloropropane	6.189	43	672734	197.96	ug/L	99
16) 1,1-dichloroethene	6.435	96	463885	186.95	ug/L	96
17) acetone	6.546	43	116789	178.37	ug/L	91
18) allyl chloride	7.054	76	213332	202.36	ug/L	98
19) acetonitrile	7.070	40	275206	2021.17	ug/L	97
20) iodomethane	6.750	142	1056962	205.86	ug/L	99
21) iso-butyl alcohol	10.148	41	126378	1967.85	ug/L	98
22) carbon disulfide	6.865	76	1818526	190.86	ug/L	99
23) methylene chloride	7.290	84	526481	172.95	ug/L	97
24) 1-chloropropane	7.306	42	631208	170.73	ug/L	99
25) methyl acetate	7.059	74	48906	195.92	ug/L	100
26) methyl tert butyl ether	7.647	73	1242001	205.48	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	482414	183.00	ug/L	97
28) di-isopropyl ether	8.339	45	1291666	209.21	ug/L	99
29) ethyl tert-butyl ether	8.863	59	1358609	220.94	ug/L	99
30) 2-butanone	9.183	72	43129	214.85	ug/L	84
31) 1,1-dichloroethane	8.365	63	818562	199.69	ug/L	99
32) chloroprene	8.475	53	544625	216.77	ug/L	97
33) acrylonitrile	7.699	53	555224	992.52	ug/L	99
34) vinyl acetate	8.370	86	47795	222.09	ug/L	95
35) ethyl acetate	9.199	45	36666	191.92	ug/L	74
36) 2,2-dichloropropane	9.188	77	816645	207.37	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	538565	180.86	ug/L		99
38) propionitrile	9.324	54	474762	1986.59	ug/L		92
39) methyl acrylate	9.282	55	323282	202.33	ug/L	#	100
40) bromochloromethane	9.545	128	259023	221.92	ug/L		97
41) tetrahydrofuran	9.571	42	98205	188.62	ug/L		97
42) chloroform	9.618	83	849121	194.10	ug/L		99
45) freon 113	6.415	151	415815	211.28	ug/L		98
46) methacrylonitrile	9.503	41	162136	206.06	ug/L		99
47) 1,1,1-trichloroethane	9.859	97	822910	210.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	1331416	217.02	ug/L		99
50) epichlorohydrin	12.066	57	145516	1011.94	ug/L		98
51) n-butyl alcohol	10.939	56	599197	10195.65	ug/L		97
52) cyclohexane	9.912	84	737777	204.30	ug/L		97
53) carbon tetrachloride	10.064	117	753122	206.20	ug/L		99
54) 1,1-dichloropropene	10.048	75	597637	207.66	ug/L		100
55) hexane	8.024	57	441220	187.11	ug/L		97
56) ISOOCTANE	10.315	57	1796210	234.84	ug/L		99
57) benzene	10.331	78	1755044	176.56	ug/L		100
58) heptane	10.509	57	279060	195.81	ug/L		98
59) isopropyl acetate	10.294	43	782185	198.32	ug/L		100
60) 1,2-dichloroethane	10.378	62	503992	203.61	ug/L		99
61) trichloroethene	11.091	95	468452	203.03	ug/L		99
63) 2-nitropropane	11.935	43	554107	199.16	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	838227	1097.89	ug/L		99
65) methyl methacrylate	11.291	41	278426	200.70	ug/L		92
66) 1,2-dichloropropane	11.374	63	437870	202.75	ug/L		99
67) methylcyclohexane	11.291	83	767965	209.24	ug/L		99
68) dibromomethane	11.542	93	272419	208.09	ug/L		99
69) bromodichloromethane	11.684	83	601259	213.57	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	679980	220.77	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	125538	207.15	ug/L		99
73) toluene	12.496	92	1009670	185.27	ug/L		100
74) 3-methyl-1-butanol	12.297	70	214736	4279.85	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	573058	211.55	ug/L		98
76) ethyl methacrylate	12.711	69	409505	218.16	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	301090	210.41	ug/L		99
78) 2-hexanone	13.115	58	118777	213.15	ug/L		93
80) tetrachloroethene	13.078	166	503789	198.42	ug/L		98
81) 1,3-dichloropropane	13.120	76	519340	191.43	ug/L		99
82) butyl acetate	13.188	56	186723	190.09	ug/L		100
83) dibromochloromethane	13.388	129	493353	212.47	ug/L		97
84) 1,2-dibromoethane	13.535	107	374051	199.44	ug/L		98
86) chlorobenzene	14.001	112	1226795	185.97	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	546084	218.78	ug/L		99
88) ethylbenzene	14.054	91	2089740	193.49	ug/L		100
89) m,p-xylene	14.164	106	1583853	365.69	ug/L		96
90) o-xylene	14.599	106	855931	185.34	ug/L		98
91) styrene	14.615	104	1313921	203.58	ug/L		100
92) bromoform	14.898	173	353502	209.21	ug/L		99
94) isopropylbenzene	14.950	105	2307136	198.95	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

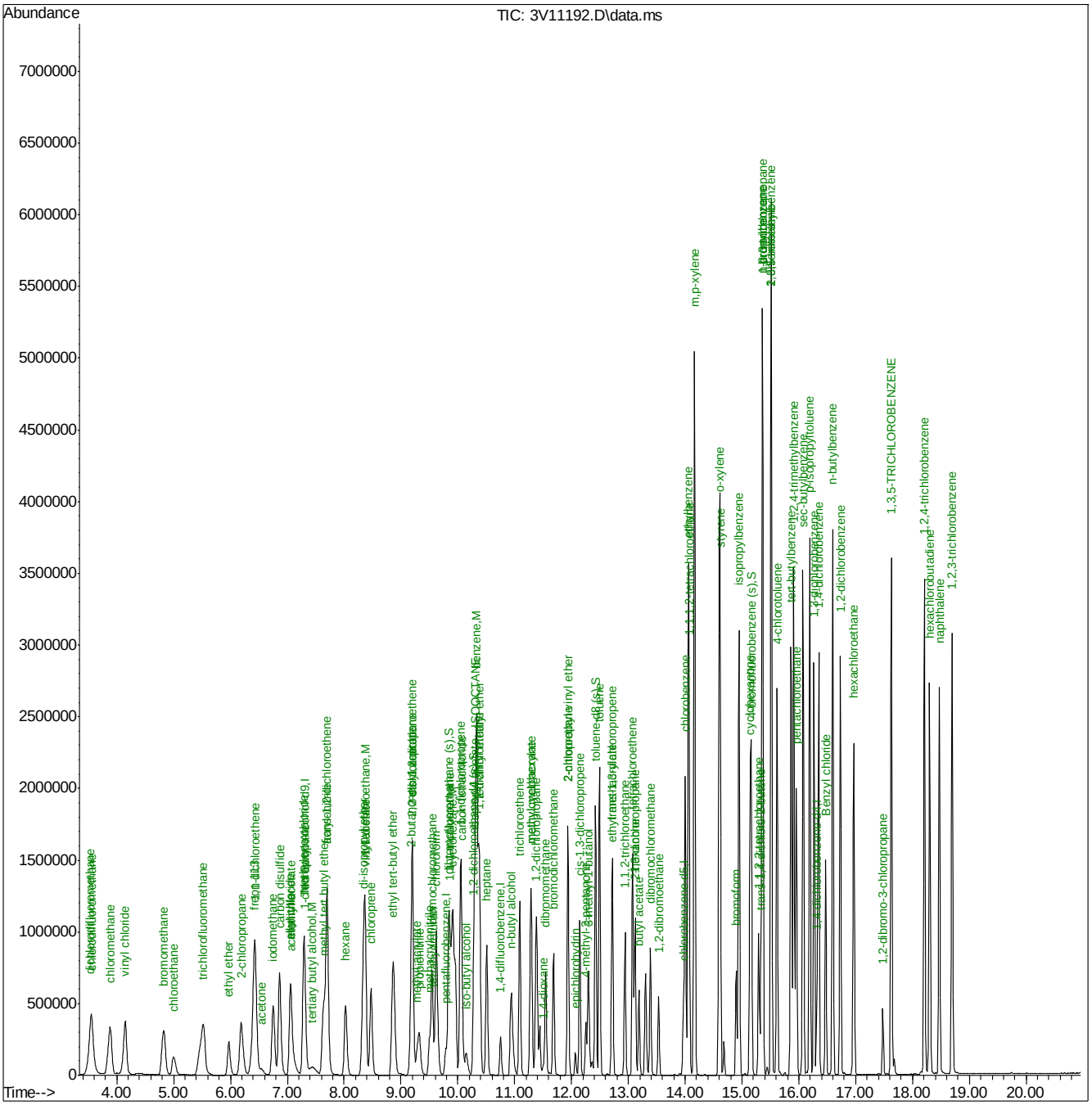
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	593579	192.69	ug/L	100
97)	cyclohexanone	15.144	55	858508	2074.67	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	556603	192.05	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	121307	216.44	ug/L	99
100)	1,2,3-trichloropropane	15.364	110	113885	194.13	ug/L	95
101)	n-propylbenzene	15.364	91	2587967	179.21	ug/L	99
102)	2-chlorotoluene	15.516	126	573214	193.07	ug/L	95
103)	4-chlorotoluene	15.616	91	1592047	187.11	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	2044182	191.69	ug/L	99
105)	tert-butylbenzene	15.862	119	1653757	223.72	ug/L	98
106)	pentachloroethane	15.957	167	441224	229.09	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	2000846	146.00	ug/L	100
108)	sec-butylbenzene	16.077	105	2749372	210.62	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	1218037	185.20	ug/L	99
110)	p-isopropyltoluene	16.193	119	2267597	203.00	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	1208826	179.35	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	1229733	187.88	ug/L	100
113)	n-butylbenzene	16.596	92	1210095	189.55	ug/L	100
114)	1,2-dibromo-3-chloropr...	17.477	75	111934	189.77	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.629	180	1215099	190.62	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	1123662	184.34	ug/L	100
117)	hexachlorobutadiene	18.300	225	621549	199.71	ug/L	99
118)	naphthalene	18.473	128	2162096	167.27	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	1040811	182.67	ug/L	100
120)	hexachloroethane	16.969	119	530913	232.02	ug/L	100
121)	Benzyl chloride	16.471	91	1078567	209.54	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	87793	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	164759	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	249473	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	234639	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152516	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	96963	46.51	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.02%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	84449	46.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.54%			
71) toluene-d8 (s)	12.423	98	298354	48.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 96.58%			
95) 4-bromofluorobenzene (s)	15.165	95	123408	46.15	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 92.30%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	30823	1377.42	ug/L #	98
4) tertiary butyl alcohol	7.437	59	60753	258.35	ug/L	94
6) chlorodifluoromethane	3.552	51	128486	39.67	ug/L	98
7) dichlorodifluoromethane	3.536	85	227686	52.02	ug/L	100
8) chloromethane	3.866	50	196032	52.04	ug/L	99
9) vinyl chloride	4.129	62	214682	52.94	ug/L	97
10) bromomethane	4.815	94	126333	49.07	ug/L	99
11) chloroethane	4.994	64	68963	51.53	ug/L	100
12) trichlorofluoromethane	5.513	101	233472	52.30	ug/L	100
13) ethyl ether	5.964	74	42268	51.04	ug/L	97
14) 2-chloropropane	6.189	43	153693	48.04	ug/L	100
15) acrolein	6.289	56	159795	482.48	ug/L	98
16) 1,1-dichloroethene	6.436	96	106131	47.58	ug/L	97
17) acetone	6.546	43	20853	35.76	ug/L	93
18) allyl chloride	7.054	76	55718	54.64	ug/L	95
19) acetonitrile	7.065	40	71418	495.73	ug/L	92
20) iodomethane	6.750	142	230355	49.45	ug/L	99
21) iso-butyl alcohol	10.148	41	30825	488.25	ug/L	99
22) carbon disulfide	6.860	76	418204	50.81	ug/L	100
23) methylene chloride	7.290	84	118252	45.15	ug/L	98
24) 1-chloropropane	7.301	42	150113	42.11	ug/L	99
25) methyl acetate	7.054	74	10449	44.89	ug/L	95
26) methyl tert butyl ether	7.641	73	542019	101.03	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	108416	45.93	ug/L	99
28) di-isopropyl ether	8.339	45	295668	52.45	ug/L	96
29) ethyl tert-butyl ether	8.858	59	296879	52.51	ug/L	99
30) 2-butanone	9.188	72	8594	46.80	ug/L	99
31) 1,1-dichloroethane	8.365	63	188359	52.11	ug/L	98
32) chloroprene	8.475	53	112295	47.08	ug/L	98
33) acrylonitrile	7.704	53	130463	245.61	ug/L	96
34) vinyl acetate	8.370	86	11450	55.80	ug/L	98
35) ethyl acetate	9.204	45	8727	48.16	ug/L	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	188000	51.41	ug/L		98
37) cis-1,2-dichloroethene	9.199	96	118621	44.07	ug/L		98
38) propionitrile	9.319	54	110392	470.53	ug/L		95
39) methyl acrylate	9.288	55	72513	47.25	ug/L	#	99
40) bromochloromethane	9.539	128	55867	50.33	ug/L		96
41) tetrahydrofuran	9.576	42	23053	47.04	ug/L		99
42) chloroform	9.613	83	190423	48.50	ug/L		99
45) freon 113	6.409	151	97927	49.21	ug/L		97
46) methacrylonitrile	9.503	41	35728	46.93	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	188535	51.59	ug/L		99
48) tert-amyl methyl ether	10.373	73	286969	50.81	ug/L		98
50) epichlorohydrin	12.067	57	32450	233.39	ug/L		98
51) n-butyl alcohol	10.934	56	143888	2569.31	ug/L		99
52) cyclohexane	9.912	84	164393	50.53	ug/L		98
53) carbon tetrachloride	10.064	117	170719	51.77	ug/L		98
54) 1,1-dichloropropene	10.048	75	126880	48.98	ug/L		99
55) hexane	8.029	57	136461	66.20	ug/L		96
56) ISOOCTANE	10.315	57	350561	47.73	ug/L		98
57) benzene	10.331	78	390462	50.22	ug/L		99
58) heptane	10.509	57	80850	64.31	ug/L		96
59) isopropyl acetate	10.294	43	189882	51.74	ug/L		99
60) 1,2-dichloroethane	10.373	62	110291	50.57	ug/L		99
61) trichloroethene	11.091	95	103616	51.05	ug/L		98
63) 2-nitropropane	11.935	43	141379	54.48	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	215367	302.12	ug/L		99
65) methyl methacrylate	11.280	41	87388	67.83	ug/L		86
66) 1,2-dichloropropane	11.374	63	96951	51.86	ug/L		97
67) methylcyclohexane	11.285	83	170009	50.78	ug/L		95
68) dibromomethane	11.542	93	59895	50.96	ug/L		100
69) bromodichloromethane	11.684	83	130671	52.56	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	143017	51.73	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	28503	49.64	ug/L		98
73) toluene	12.491	92	222397	49.01	ug/L		99
74) 3-methyl-1-butanol	12.297	70	49651	1016.47	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	118690	50.47	ug/L		99
76) ethyl methacrylate	12.711	69	86177	49.19	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	64329	50.62	ug/L		99
78) 2-hexanone	13.115	58	24605	46.92	ug/L		93
80) tetrachloroethene	13.078	166	110519	50.76	ug/L		97
81) 1,3-dichloropropane	13.120	76	111254	50.49	ug/L		99
82) butyl acetate	13.189	56	44488	48.97	ug/L		100
83) dibromochloromethane	13.388	129	101096	50.13	ug/L		99
84) 1,2-dibromoethane	13.535	107	79127	50.25	ug/L		97
86) chlorobenzene	14.001	112	268424	50.76	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	111913	51.65	ug/L		98
88) ethylbenzene	14.054	91	453548	49.21	ug/L		100
89) m,p-xylene	14.164	106	353565	97.88	ug/L		99
90) o-xylene	14.599	106	186274	53.10	ug/L		100
91) styrene	14.615	104	288539	53.88	ug/L		99
92) bromoform	14.898	173	73208	49.71	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

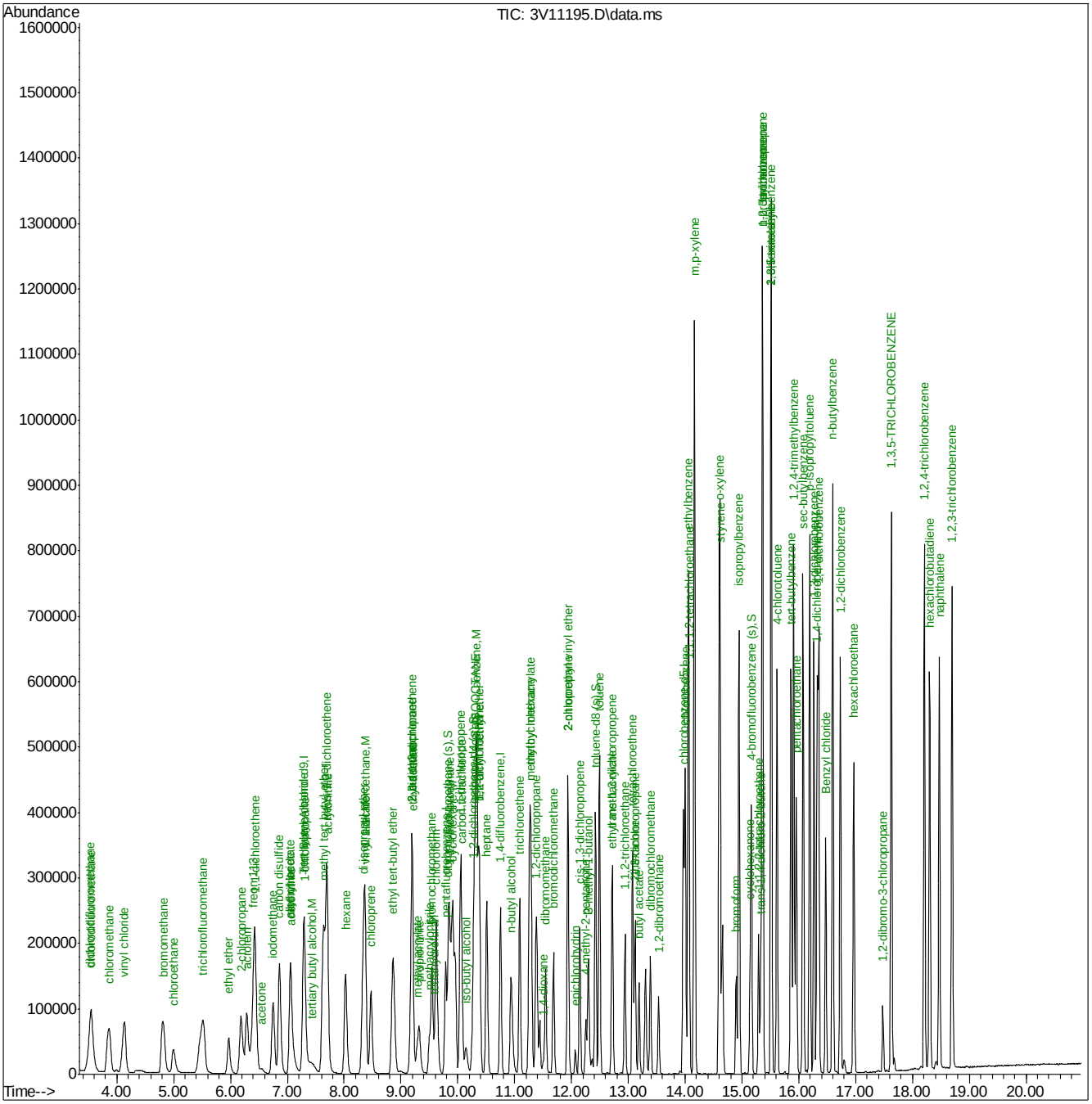
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	496313	51.49	ug/L	99
96) bromobenzene	15.359	156	131620	49.50	ug/L	99
97) cyclohexanone	15.144	55	67987	181.45	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	116808	46.91	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	25756	46.31	ug/L	94
100) 1,2,3-trichloropropane	15.364	110	25136	46.88	ug/L	98
101) n-propylbenzene	15.364	91	621639	53.47	ug/L	100
102) 2-chlorotoluene	15.516	126	127703	51.09	ug/L	100
103) 4-chlorotoluene	15.616	91	356261	49.45	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	434516	51.98	ug/L	100
105) tert-butylbenzene	15.863	119	346597	50.40	ug/L	97
106) pentachloroethane	15.957	167	91246	50.93	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	466226	52.74	ug/L	99
108) sec-butylbenzene	16.072	105	591584	51.60	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	273449	48.56	ug/L	100
110) p-isopropyltoluene	16.193	119	501601	52.90	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	273581	48.14	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	270954	48.72	ug/L	99
113) n-butylbenzene	16.597	92	285819	52.76	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	24799	44.45	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	285142	51.24	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	265816	51.01	ug/L	98
117) hexachlorobutadiene	18.301	225	138487	51.04	ug/L	99
118) naphthalene	18.474	128	499992	48.14	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	247636	50.83	ug/L	99
120) hexachloroethane	16.969	119	102920	50.23	ug/L	99
121) Benzyl chloride	16.471	91	258883	52.54	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.311	65	100696	500.00	ug/L		0.00
5) pentafluorobenzene	9.780	168	192742	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	271953	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	251981	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	158462	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.827	113	103894	42.60	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 85.20%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	88037	41.23	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 82.46%				
71) toluene-d8 (s)	12.418	98	343360	50.98	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.96%				
95) 4-bromofluorobenzene (s)	15.165	95	142534	51.30	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.60%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.510	88	13114	510.94	ug/L		96
4) tertiary butyl alcohol	7.447	59	27442	101.74	ug/L		96
6) chlorodifluoromethane	3.546	51	73938	16.79	ug/L		99
7) dichlorodifluoromethane	3.536	85	90437	17.66	ug/L		97
8) chloromethane	3.845	50	81908	18.59	ug/L		98
9) vinyl chloride	4.118	62	89776	18.93	ug/L		100
10) bromomethane	4.799	94	57398	19.06	ug/L		99
11) chloroethane	4.988	64	32371	20.68	ug/L		97
12) trichlorofluoromethane	5.512	101	96523	18.48	ug/L		96
13) ethyl ether	5.958	74	17982	18.56	ug/L		97
14) 2-chloropropane	6.178	43	69696	18.62	ug/L		99
15) acrolein	6.278	56	84349	217.70	ug/L		97
16) 1,1-dichloroethene	6.425	96	44885	17.20	ug/L		93
17) acetone	6.551	43	11352	16.64	ug/L		95
18) allyl chloride	7.049	76	20590	17.26	ug/L		91
19) acetonitrile	7.059	40	32560	193.20	ug/L		93
20) iodomethane	6.739	142	98775	18.12	ug/L		99
21) iso-butyl alcohol	10.142	41	14249	192.93	ug/L		95
22) carbon disulfide	6.855	76	178931	18.58	ug/L		99
23) methylene chloride	7.279	84	54144	17.67	ug/L		95
24) 1-chloropropane	7.295	42	71389	17.12	ug/L		97
25) methyl acetate	7.049	74	5615	20.62	ug/L	#	96
26) methyl tert butyl ether	7.636	73	120985	19.28	ug/L		100
27) trans-1,2-dichloroethene	7.688	96	47806	17.31	ug/L		99
28) di-isopropyl ether	8.333	45	134065	20.33	ug/L		96
29) ethyl tert-butyl ether	8.857	59	133955	20.25	ug/L		98
30) 2-butanone	9.183	72	3721	17.32	ug/L		74
31) 1,1-dichloroethane	8.359	63	80932	19.14	ug/L		99
32) chloroprene	8.470	53	55789	19.99	ug/L		99
33) acrylonitrile	7.688	53	60923	98.04	ug/L		99
34) vinyl acetate	8.359	86	4465	18.60	ug/L		94
35) ethyl acetate	9.193	45	4007	18.90	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	79532	18.59	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	50498	16.04	ug/L		100
38) propionitrile	9.314	54	51772	188.63	ug/L		90
39) methyl acrylate	9.282	55	33098	18.44	ug/L	#	98
40) bromochloromethane	9.539	128	23899	18.40	ug/L		97
41) tetrahydrofuran	9.565	42	11221	19.57	ug/L		95
42) chloroform	9.607	83	78742	17.14	ug/L		99
45) freon 113	6.404	151	45536	19.56	ug/L		97
46) methacrylonitrile	9.497	41	16924	19.00	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	77943	18.23	ug/L		98
48) tert-amyl methyl ether	10.368	73	125614	19.01	ug/L		99
50) epichlorohydrin	12.066	57	15801	104.25	ug/L		97
51) n-butyl alcohol	10.934	56	63956	1047.62	ug/L		98
52) cyclohexane	9.906	84	72461	20.43	ug/L		98
53) carbon tetrachloride	10.058	117	70713	19.67	ug/L		99
54) 1,1-dichloropropene	10.037	75	56255	19.92	ug/L		99
55) hexane	8.024	57	51887	23.09	ug/L		99
56) ISOOCTANE	10.305	57	163228	20.39	ug/L		98
57) benzene	10.326	78	168036	19.83	ug/L		99
58) heptane	10.504	57	30553	22.29	ug/L		98
59) isopropyl acetate	10.294	43	81972	20.49	ug/L		98
60) 1,2-dichloroethane	10.373	62	47291	19.89	ug/L		99
61) trichloroethene	11.086	95	43464	19.64	ug/L		95
63) 2-nitropropane	11.935	43	67983	24.03	ug/L		95
64) 2-chloroethyl vinyl ether	11.935	63	104173	134.06	ug/L		99
65) methyl methacrylate	11.280	41	30231	21.53	ug/L		94
66) 1,2-dichloropropane	11.369	63	42143	20.68	ug/L		95
67) methylcyclohexane	11.285	83	79180	21.69	ug/L		100
68) dibromomethane	11.542	93	25220	19.69	ug/L		98
69) bromodichloromethane	11.678	83	53251	19.65	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	61563	20.43	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	13017	20.79	ug/L		99
73) toluene	12.491	92	95277	19.26	ug/L		99
74) 3-methyl-1-butanol	12.297	70	21709	407.70	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	53779	20.98	ug/L		97
76) ethyl methacrylate	12.711	69	38669	20.25	ug/L		97
77) 1,1,2-trichloroethane	12.937	83	28764	20.76	ug/L		98
78) 2-hexanone	13.115	58	11666	20.41	ug/L		95
80) tetrachloroethene	13.073	166	47189	20.18	ug/L		99
81) 1,3-dichloropropane	13.120	76	49748	21.02	ug/L		100
82) butyl acetate	13.188	56	21088	21.62	ug/L		98
83) dibromochloromethane	13.387	129	43203	19.95	ug/L		97
84) 1,2-dibromoethane	13.529	107	34985	20.69	ug/L		98
86) chlorobenzene	13.996	112	116262	20.47	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.069	131	46234	19.87	ug/L		98
88) ethylbenzene	14.053	91	199328	20.14	ug/L		98
89) m,p-xylene	14.163	106	152794	39.39	ug/L		99
90) o-xylene	14.599	106	78440	20.82	ug/L		99
91) styrene	14.614	104	123994	21.56	ug/L		98
92) bromoform	14.897	173	31703	20.04	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

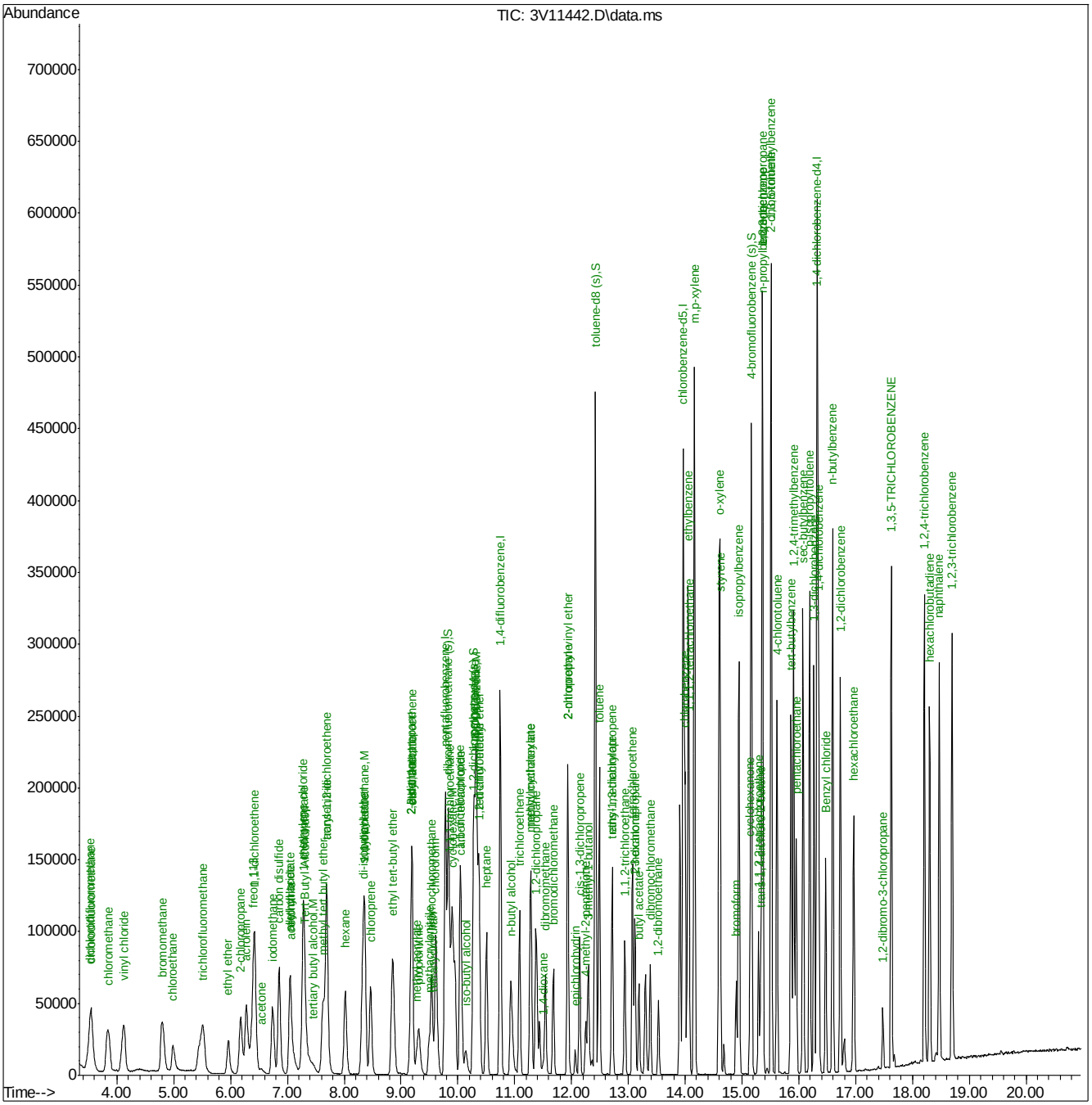
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	209062	20.87	ug/L	99
96)	bromobenzene	15.359	156	57039	20.65	ug/L	100
97)	cyclohexanone	15.144	55	33268	85.46	ug/L	97
98)	1,1,2,2-tetrachloroethane	15.291	83	54150	20.93	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	11908	20.61	ug/L	95
100)	1,2,3-trichloropropane	15.359	110	11720	21.04	ug/L	98
101)	n-propylbenzene	15.364	91	255652	21.17	ug/L	99
102)	2-chlorotoluene	15.511	126	55177	21.25	ug/L	98
103)	4-chlorotoluene	15.616	91	155329	20.75	ug/L	98
104)	1,3,5-trimethylbenzene	15.516	105	182823	21.05	ug/L	99
105)	tert-butylbenzene	15.862	119	138766	19.42	ug/L	99
106)	pentachloroethane	15.957	167	35957	19.32	ug/L	97
107)	1,2,4-trimethylbenzene	15.909	105	185237	20.17	ug/L	99
108)	sec-butylbenzene	16.072	105	246157	20.67	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	118857	20.32	ug/L	99
110)	p-isopropyltoluene	16.193	119	208883	21.20	ug/L	98
111)	1,4-dichlorobenzene	16.350	146	117873	19.96	ug/L	98
112)	1,2-dichlorobenzene	16.733	146	115901	20.06	ug/L	99
113)	n-butylbenzene	16.596	92	117367	20.85	ug/L	100
114)	1,2-dibromo-3-chloropr...	17.477	75	10605	18.30	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.629	180	115165	19.92	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	107019	19.77	ug/L	99
117)	hexachlorobutadiene	18.300	225	55346	19.63	ug/L	100
118)	naphthalene	18.468	128	214037	19.84	ug/L	100
119)	1,2,3-trichlorobenzene	18.693	180	99978	19.75	ug/L	99
120)	hexachloroethane	16.963	119	39875	18.73	ug/L	99
121)	Benzyl chloride	16.470	91	104534	20.42	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11477.D
Acq On : 6 Jun 2014 9:44 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V489,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 13:48:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.300	65	89512	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.780	168	163756	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	232353	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	213448	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	134016	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	89570	43.23	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.46%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	77783	42.88	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.76%			
71) toluene-d8 (s)	12.418	98	296715	51.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.12%			
95) 4-bromofluorobenzene (s)	15.165	95	122719	52.22	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.44%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	11806	517.45	ug/L #	99
4) tertiary butyl alcohol	7.447	59	25290	105.48	ug/L	98
6) chlorodifluoromethane	3.546	51	71670	19.91	ug/L	98
7) dichlorodifluoromethane	3.536	85	90308	20.76	ug/L	97
8) chloromethane	3.840	50	76981	20.56	ug/L	100
9) vinyl chloride	4.118	62	86825	21.54	ug/L	100
10) bromomethane	4.794	94	55221	21.58	ug/L	100
11) chloroethane	4.983	64	29637	22.28	ug/L	100
12) trichlorofluoromethane	5.507	101	93363	21.04	ug/L	98
13) ethyl ether	5.963	74	15756	19.14	ug/L	95
14) 2-chloropropane	6.178	43	64072	20.15	ug/L	99
15) acrolein	6.278	56	70997	215.68	ug/L	97
16) 1,1-dichloroethene	6.430	96	40448	18.24	ug/L	99
17) acetone	6.540	43	10072	17.38	ug/L	98
18) allyl chloride	7.054	76	18036	17.80	ug/L #	85
19) acetonitrile	7.054	40	29779	207.97	ug/L	95
20) iodomethane	6.734	142	86264	18.63	ug/L	99
21) iso-butyl alcohol	10.142	41	13294	211.86	ug/L	90
22) carbon disulfide	6.855	76	162810	19.90	ug/L	100
23) methylene chloride	7.279	84	44558	17.12	ug/L	96
24) 1-chloropropane	7.300	42	65773	18.56	ug/L	98
25) methyl acetate	7.059	74	4696	20.30	ug/L	97
26) methyl tert butyl ether	7.636	73	107218	20.11	ug/L	99
27) trans-1,2-dichloroethene	7.688	96	42371	18.06	ug/L	98
28) di-isopropyl ether	8.328	45	123527	22.05	ug/L	97
29) ethyl tert-butyl ether	8.852	59	119959	21.35	ug/L	99
30) 2-butanone	9.177	72	3273	17.93	ug/L	65
31) 1,1-dichloroethane	8.360	63	73250	20.39	ug/L	99
32) chloroprene	8.464	53	51865	21.88	ug/L	98
33) acrylonitrile	7.694	53	52856	100.12	ug/L	99
34) vinyl acetate	8.365	86	3929	19.26	ug/L	92
35) ethyl acetate	9.198	45	3826	21.24	ug/L	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11477.D
Acq On : 6 Jun 2014 9:44 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V489,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 13:48:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.177	77	74444	20.48	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	45101	16.86	ug/L		97
38) propionitrile	9.314	54	46481	199.33	ug/L		92
39) methyl acrylate	9.277	55	29254	19.18	ug/L	#	96
40) bromochloromethane	9.539	128	20645	18.71	ug/L		91
41) tetrahydrofuran	9.571	42	10179	20.90	ug/L		94
42) chloroform	9.607	83	71154	18.23	ug/L		96
45) freon 113	6.399	151	42095	21.28	ug/L		95
46) methacrylonitrile	9.497	41	15109	19.97	ug/L		94
47) 1,1,1-trichloroethane	9.849	97	72554	19.97	ug/L		98
48) tert-amyl methyl ether	10.368	73	112698	20.08	ug/L		96
50) epichlorohydrin	12.066	57	14318	110.57	ug/L		98
51) n-butyl alcohol	10.934	56	56945	1091.75	ug/L		96
52) cyclohexane	9.901	84	65137	21.49	ug/L		97
53) carbon tetrachloride	10.053	117	65925	21.47	ug/L		98
54) 1,1-dichloropropene	10.043	75	51159	21.21	ug/L		99
55) hexane	8.019	57	47375	24.68	ug/L		96
56) ISOOCTANE	10.305	57	147343	21.54	ug/L		97
57) benzene	10.326	78	149406	20.63	ug/L		99
58) heptane	10.504	57	27807	23.75	ug/L		96
59) isopropyl acetate	10.289	43	74987	21.94	ug/L		98
60) 1,2-dichloroethane	10.373	62	42530	20.94	ug/L		100
61) trichloroethene	11.086	95	39688	20.99	ug/L		100
63) 2-nitropropane	11.935	43	61066	25.26	ug/L		96
64) 2-chloroethyl vinyl ether	11.935	63	92074	138.68	ug/L		99
65) methyl methacrylate	11.280	41	29237	24.37	ug/L		94
66) 1,2-dichloropropane	11.374	63	37179	21.35	ug/L		95
67) methylcyclohexane	11.285	83	73197	23.47	ug/L		99
68) dibromomethane	11.542	93	22242	20.32	ug/L		96
69) bromodichloromethane	11.684	83	47618	20.57	ug/L		96
70) cis-1,3-dichloropropene	12.140	75	54121	21.02	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	11163	20.87	ug/L		95
73) toluene	12.491	92	83560	19.77	ug/L		96
74) 3-methyl-1-butanol	12.297	70	18998	417.59	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	46650	21.30	ug/L		99
76) ethyl methacrylate	12.711	69	33201	20.35	ug/L		96
77) 1,1,2-trichloroethane	12.937	83	24544	20.74	ug/L		99
78) 2-hexanone	13.115	58	9973	20.42	ug/L		99
80) tetrachloroethene	13.073	166	42105	21.26	ug/L		98
81) 1,3-dichloropropane	13.120	76	42902	21.40	ug/L		99
82) butyl acetate	13.188	56	18232	22.06	ug/L		94
83) dibromochloromethane	13.388	129	37219	20.29	ug/L		97
84) 1,2-dibromoethane	13.529	107	30165	21.06	ug/L		98
86) chlorobenzene	13.996	112	101201	21.04	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.064	131	41058	20.83	ug/L		99
88) ethylbenzene	14.053	91	178119	21.24	ug/L		98
89) m,p-xylene	14.164	106	136818	41.64	ug/L		98
90) o-xylene	14.599	106	69015	21.63	ug/L		96
91) styrene	14.609	104	109180	22.41	ug/L		97
92) bromoform	14.898	173	26902	20.08	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11477.D
Acq On : 6 Jun 2014 9:44 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V489,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 13:48:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

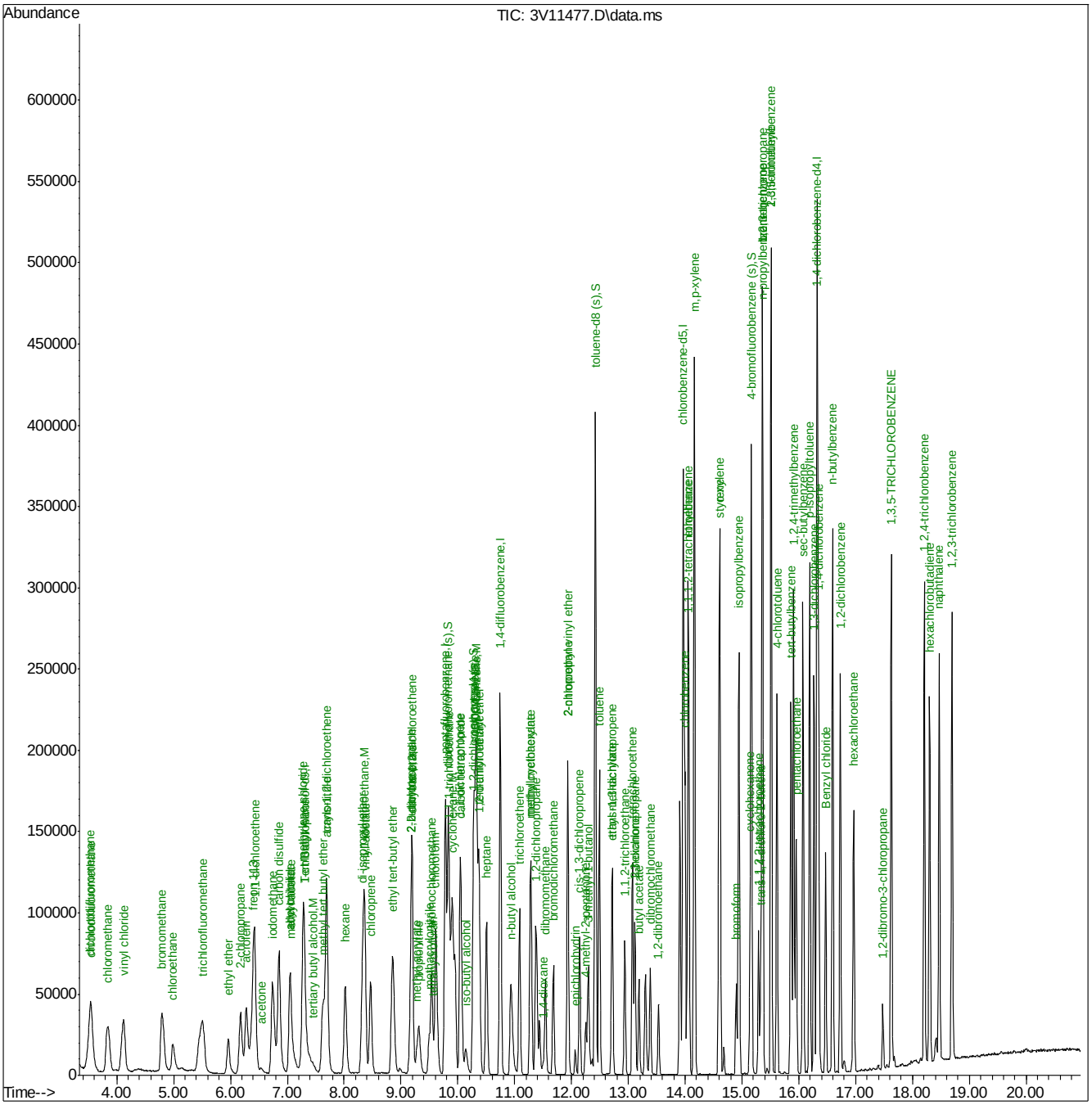
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	188553	22.26	ug/L	98
96) bromobenzene	15.359	156	49669	21.26	ug/L	99
97) cyclohexanone	15.144	55	30201	91.73	ug/L	93
98) 1,1,2,2-tetrachloroethane	15.291	83	48207	22.03	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	10761	22.02	ug/L	91
100) 1,2,3-trichloropropane	15.359	110	10135	21.51	ug/L	94
101) n-propylbenzene	15.364	91	230505	22.56	ug/L	100
102) 2-chlorotoluene	15.516	126	48623	22.14	ug/L	99
103) 4-chlorotoluene	15.616	91	137786	21.76	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	165439	22.53	ug/L	99
105) tert-butylbenzene	15.862	119	125866	20.83	ug/L	100
106) pentachloroethane	15.957	167	31194	19.81	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	167851	21.61	ug/L	98
108) sec-butylbenzene	16.072	105	223561	22.19	ug/L	98
109) 1,3-dichlorobenzene	16.266	146	103393	20.90	ug/L	98
110) p-isopropyltoluene	16.193	119	189978	22.80	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	103110	20.65	ug/L	98
112) 1,2-dichlorobenzene	16.733	146	101803	20.83	ug/L	99
113) n-butylbenzene	16.596	92	105843	22.23	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	9753	19.90	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	101820	20.82	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	93871	20.50	ug/L	98
117) hexachlorobutadiene	18.300	225	50009	20.97	ug/L	100
118) naphthalene	18.468	128	189787	20.80	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	88874	20.76	ug/L	99
120) hexachloroethane	16.963	119	36974	20.54	ug/L	95
121) Benzyl chloride	16.471	91	94670	21.86	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11477.D
Acq On : 6 Jun 2014 9:44 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V489,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 13:48:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C5480

Print Analyst Name: [illegible]

Analyst Signature: [illegible]

Date: 6.5.14

Columns: ZB624 (60m x 0.25 x 1.4)

Method V8260

Initial Cal. Method V2C5480

Standard Data

Lot #	Description	Conc.
VOY1861	-35 SURR	1ug/ml
	-20 BFB	
	-19 VSTD	
	-43 VSTD	
	-05 DAEVEN	1ug/ml

Standard Data

Lot #	Description	Conc.
VOY1861	-31 A	1ug/ml
	-34 B	
	-46 C	
	-48 PEVEN	1ug/ml
	-40 INTSTD	25/250ml
	-45 DBFBENZ	100ug/ml
	-44 DBTFBENZ	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/6/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V2C19185	BFB				1							ok		
	V2C19186	ICS480-0.2	8260 initial cal.	W		2	5				✓		ok	A,B,C,HCl,Surr 1ml/250ml	
	V2C19187	ICS480-0.5				3	5				✓		ok	2.5 ml/250ml	
	V2C19188	ICS480-1				4	5				✓		ok	A,B,C,HCl,Surr,Int Std 2ml/250ml 4ml/200ml	
	V2C19189	ICS480-2				5	5				✓		ok	4ml/250ml 200ml/250ml	
	V2C19190	ICS480-5				6	5				✓		ok	A,B,C,HCl,Surr,Int Std 10ml/250ml	
	V2C19191	ICS480-10				7	5				✓		ok	10ml/100ml	
	V2C19192	ICS480-20				8	5				✓		ok	10ml/250ml 5ml/250ml	
	V2C19193	ICS480-50				9	5				✓		ok	25ml/250ml	
	V2C19194	ICS480-100				10	5				✓		ok	50ml/250ml	
	V2C19195	ICS480-200				11	5				✓		ok	100ml/250ml	
	V2C19196	LB				12							—		
	V2C19197	LB				13							—		
	V2C19198	ICV5480-50				14	5				✓		ok	25ml/250ml Ext A,B,C,Surr,Int Std/250ml	

TT 6/5/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST. VOLATILE ANALYSIS LOG

Batch ID: V2C5484

Print Analyst Name: Tuan Pham

Date: 6/9/14

Analyst Signature:

Standard Data

Lot #	Description		Conc.
1014-166-27	A		100ppm
-34	B		
-42	C		
-43	ACY		1000ppm
	ETHL		1000 ppm

Standard Data

Lot #	Description		Conc.
1014-161-1	20 EXT	A	100ppm
-14	B		
-46	C		
-05	ACY		1000ppm
-41	IS		250/250 ppm

Columns: ZB624 (60m x 0.25mm ID 1.4um)

Method 8260C

Initial Cal. Method M2C5480

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/12/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2C114270	BFB											OK	10:02 am	
	114272	CC1763-20					5				W		OK	28↑ 10 recipe A, B, C, ACY, ETHL	
	114273	LB													
	114274	MB					5				W		OK		
	114275	BS					5				W		OK	2 recipe EXT, A, B, C, ACY, ETHL	
	114276	DB													
R	114277	FB68140-10	68464 BTXOFG	W	2		5		1X		W		NOT USED		✓
R	114278	FB68140-11			1		5		1X		W		NOT USED		✓
	114279	FB68478-1	68694 SZ		1		5/50		10X		W		OK		✓
	114280	FB68478-1			1		0.5/50		100X		W		NOT USED	NO DILUTE	✓
	114281	FB68478-2			1		10/50		5X		W		OK RR	1X too dilute	✓
	114282	FB68478-3			1		10/50		5X		W		OK	dilution due to foaming	✓
	114283	FB68478-4			1		2.5/50		20X		W		OK RR	5X	✓
	114284	FB68478-5			1		1/10		50X		W		OK RR		✓
	114285	FB68478-1ms			1		5/50		10X		W		OK		✓
	114286	FB68478-1msd			1		5/50		10X		W		OK		✓
	114287	LB													

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

*Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C 5484

Date: 6/9/14

Print Analyst Name: Tom Pham

Analyst Signature:

Columns: RTX624 60m x0.25mm ID 1.4um

Method 8260C

Initial Cal. Method M2C5480

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/14/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	2C1149288	FB 68318-6	68607 TCLP+	S/L	5		5		1X		W		QA		✓
	2C1149289	FB68318-7	"	"	7		5		1X		W		QA		✓
	1149290	FB68458-3			2		5		1X		W		QA		✓
	1149291	FB68458-4			5		5		1X		W		QA	7:50 pm	✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V474

Print Analyst Name: TH/EW

Date: 5/22/14

Analyst Signature:

Columns: ~~FB~~-624 (60m x 0.25mm x 1.4µm

Method V8260C (SOIL)

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
V014-1922-118	A	100 ppm
L 127	B	↓
1861-11	C	↓
1922-138	Addn	1000
↓ 146	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
V014-1861-06	Int std	250/500 ppm
1861-129	~~Ext~~ A	100
1922-138	~~Ext~~ B	100
1861-12	Ext C	100
1861-05	Ext Addn	1000
↓ 13	~~Ext~~ Hexane	100
↓ 1922-144	Ext Heptane	100

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DPates **Date:** 5/29/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V11182	BFB				1							ok	9:42 Am	
	11183	1C474-0.2	8260C Initial	S	—	2	5						ok	A,B,C,Add, Surr 1µl/500ml	
	11184	1C474-0.5			—	3	5						ok	A,B,C,Add, Surr 1µl/200ml	
	11185	1C474-1			—	4	5						ok	A,B,C,Surr 1µl/100ml Addn 200µl/100ml	
	11186	1C474-2			—	5	5						ok	A,B,C,Surr 2µl/100ml Addn 100µl/100ml	
	11187	1C474-5			—	6	5						ok	A,B,C,Add,Surr 5µl/100ml	
	11188	1C474-10			—	7	5						ok	A,B,C,Add,Surr 10µl/50ml	
	11189	1C474-20			—	8	5						ok	A,B,C,Add,Surr 20µl/100ml Surr 50ml/100ml	
	11190	1C474-50			—	9	5						ok	A,B,C,Add,Surr 25µl/50ml	
	11191	1C474-100			—	10	5						ok	A,B,C,Surr 50µl/50ml	
	11192	1C474-200			—	11	5						ok	A,B,C,Surr 100µl/50ml	
	11193	IB			—	12	5						clean up		
	11194	IB			—	13	5						↓		
	11195	1C474-50			—	14	5						ok	Ext(A,B,C,Add,Hexane,Heptane) Surr 25µl/50ml	
	11196	IB			—	15	5						clean up		
							TDM 5/22/14								

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V 487

Print Analyst Name: Thien

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260 C

Initial Cal. Method M3V 474

Date: 6/4/14 5 TOM 6/5/14

Standard Data

Lot #	Description	Conc.
VOA-1861-27	A	100 ppm
34	B	↓
46	C	↓
23	I/S	50/200
↓ 42	Multi	1000 ↓

Standard Data

Lot #	Description	Conc.
VOA-1861-20	BFB A	100 ppm
19	B	↓
43	C	↓
↓ 05	↓ Multi	1000 ↓

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 6/9/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V3V 11440	BFB				1							ok	8.31 rpm	
	114 41	ccc474-20				2	5						NG	A,B,C, Acetone are compounds of interest/some hits	
	114 42	ccc474-20				3	5						ok		
	114 43	IB				4	5						clo		
	114 44	MB1				5	5						ok		
	114 45	BS				6	5						ok	(ea CA, B, C, Acetone) 2 hits/some.	
	114 46	IB				7	5						clo		
	114 47	JB68467-1	68576 SCO	S	1	8	5.2						ok		
R	114 48	JB68173-5	68397 TCL20	S	5	9	5.8						ok		
R	114 49	JB68173-4	↓		5	10	6.7						ok		
	114 50	JB68467-1MS	68576 SCO	S	1	11	5.2						ok	A,B,C, Acetone 2 hits/some	
	114 51	JB68467-1MSD	↓	↓	1	12	5.2						ok	↓	
	114 52	IB				13	5						clo		
	114 53	JB68403-1	68611 TCL20/TBD	S	5	14	5.8						ok		
	114 54	JB68403-2	↓		5	15	6.5						ok		
	114 55	JB68350-1	68614 TCL20		5	16	5.8						ok		
	114 56	JB68350-2	↓	↓	5	17	6.1						ok		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V487

Print Analyst Name: THEW

Analyst Signature: [signature]

Columns: ZB-624 (from xxxxxxxxxx)

Method V8260C

Initial Cal. Method M3V424

Date: 6/5/14

Standard Data

Lot #	Description	Conc.

see page 88

Standard Data

Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 6/9/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
R	V3V114 57	JB68173-9	68397 TCL20	S	1	18	5.4				/		low	Sample from intact soil	
	114 58	JB68458-1	68605 TCL20		4	19	4.1				/		RR	matrix may cbo	
	114 59	JB68458-2	↓		4	20	5.4				/		ok		
	114 60	JB68458-5			4	21	4.4				/		ok		
	114 61	JB68458-6	↓		4	22	4.4				/		ok		
	114 62	JB68173-12	68397 TCL20		4	23	7.1				/		ok		
	114 63	JB68173-11	↓		4	24	6.8				/		ok		
	114 64	BS				25	5				/		cbo		
	114 65	BD				26	5				/		↓		

TM 6/5/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V489

Print Analyst Name: THIEU

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4µm)

Method V8260 C

Initial Cal. Method M3V474

Date: 6/6/14

Standard Data

Lot #	Description	Conc.
VOV4-1861-27	A	100 ppm
34	B	↓
46	C	↓
23	IS	250/2500
↓ 42	Surr	1000 ↓

Standard Data

Lot #	Description	Conc.
VOV4-1861-20	Ext A	100 ppm
19	B	↓
43	C	↓
↓ 05	Surr	1000 ↓

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DPatel **Date:** 6/10/14

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
	BV11475	BFB				1							OK	8:28AM.	
	11476	CC474-20				2							NG	A,B,C, Surr Ignore #37 ↓	
	11477	CC474-20				3					/		OK	↓	
	11478	MB1				4					/		OK		
	11479	BS				5					/		OK	Ext A,B,C, Surr Ignore	
	11480	DB				6					/		clo		
	11481	JB68403-3	8260 TCL/TBA	S	5	7	6.2				/		OK		
	11482	JB68403-4			5	8	6.2				/		OK		
	11483	JB68403-5			5	9	6.2				/		OK		
	11484	JB68403-6			5	10	6.2				/		OK		
	11485	JB68403-7			5	11	6.1				/		OK		
	11486	JB68403-8			5	12	5.7				/		OK		
	11487	JB68403-3MS			6	13	6.1				↓		Bad Purge	A,B,C, Surr 2.5ug/5ml	
	11488	DB				14					/		clo		
	11489	JB68403-4DUP			6	15	6.3				/		OK		
	11490	JB68403-5MS			6	16	6.5				/		OK	A,B,C, Surr 2.5ug/5ml	
	11491	DB				17					/		clo		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V489

Print Analyst Name: THIEU

Analyst Signature:

Columns: ZB-624 (30m x 0.25mm x 1µ)

Method V8260C

Initial Cal. Method V3V474

Date: 6/6/14

Standard Data

Lot #	Description	Conc.
	see page 94	

Standard Data

Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Dates **Date:** 6/10/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
R	3V11492	JB68458-1	68605 TCL20	W	5	18	4.0						ok		
	11493	JB68556-2	68693 TCL20+TBA		5	19	6.0						ok		
	11494	JB68556-3			5	20	3.9						ok		
	11495	JB68556-4			5	21	6.4						ok		
	11496	JB68556-1			5	22	4.6						ok		
	11497	JB68542-1	68678 TCL20		4	23	5.7						ok		
	11498	JB68542-2			4	24	6.4						ok		
	11499	JB68542-3			4	25	5.7						ok	7:45pm	
	11499A	BL				26	5						clean up		
	11499B	DB				27	5						↓		
							TM 6/6/14								

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JB68458
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
OP75437-MB1	Z92317.D	1	06/09/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

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: JB68458
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
OP75437-MB1	Z92317.D	1	06/09/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

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: JB68458
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
OP75437-MB1	Z92317.D	1	06/09/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	10-110%
4165-62-2	Phenol-d5	32%	10-110%
118-79-6	2,4,6-Tribromophenol	107%	29-139%
4165-60-0	Nitrobenzene-d5	94%	28-131%
321-60-8	2-Fluorobiphenyl	85%	30-121%
1718-51-0	Terphenyl-d14	91%	16-147%

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

Method Blank Summary

Job Number: JB68458
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
OP75383-MB1	3P32516.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

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	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: JB68458
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
OP75383-MB1	3P32516.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

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	844	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: JB68458
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
OP75383-MB1	3P32516.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	73%	13-110%
4165-62-2	Phenol-d5	76%	15-110%
118-79-6	2,4,6-Tribromophenol	86%	20-123%
4165-60-0	Nitrobenzene-d5	81%	10-110%
321-60-8	2-Fluorobiphenyl	84%	17-110%
3386-33-2	1-Chlorooctadecane	0%	-%
1718-51-0	Terphenyl-d14	88%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.60	490	ug/kg	J
	system artifact	1.82	600	ug/kg	J
	system artifact	3.09	180	ug/kg	J
	system artifact/aldol-condensation	3.31	5900	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB68458
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
OP75437-MB1	Z92721.D	1	06/18/14	AR	06/09/14	OP75437	EZ4606

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

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: JB68458
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
OP75437-MB1	Z92721.D	1	06/18/14	AR	06/09/14	OP75437	EZ4606

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

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: JB68458
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
OP75437-MB1	Z92721.D	1	06/18/14	AR	06/09/14	OP75437	EZ4606

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	35%	10-110%
4165-62-2	Phenol-d5	26%	10-110%
118-79-6	2,4,6-Tribromophenol	88%	29-139%
4165-60-0	Nitrobenzene-d5	96%	28-131%
321-60-8	2-Fluorobiphenyl	85%	30-121%
1718-51-0	Terphenyl-d14	90%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.17	11	ug/l	J
	Internal standard added for SIM test	5.68	4.2	ug/l	J
	Internal standard added for SIM test	7.46	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

Job Number: JB68458
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
OP75437-BS1	Z92318.D	1	06/10/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	38.6	77	42-110
59-50-7	4-Chloro-3-methyl phenol	50	47.6	95	49-120
120-83-2	2,4-Dichlorophenol	50	46.1	92	47-114
105-67-9	2,4-Dimethylphenol	50	48.4	97	48-129
51-28-5	2,4-Dinitrophenol	100	85.9	86	26-153
534-52-1	4,6-Dinitro-o-cresol	50	47.8	96	44-132
95-48-7	2-Methylphenol	50	35.3	71	39-110
	3&4-Methylphenol	50	32.9	66	36-110
88-75-5	2-Nitrophenol	50	50.3	101	45-110
100-02-7	4-Nitrophenol	50	30.1	60	10-110
87-86-5	Pentachlorophenol	50	46.7	93	32-122
108-95-2	Phenol	50	19.2	38	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	49.8	100	47-119
95-95-4	2,4,5-Trichlorophenol	50	51.2	102	52-119
88-06-2	2,4,6-Trichlorophenol	50	51.7	103	51-118
83-32-9	Acenaphthene	50	45.7	91	46-108
208-96-8	Acenaphthylene	50	39.1	78	44-101
98-86-2	Acetophenone	50	46.1	92	39-125
120-12-7	Anthracene	50	46.6	93	60-117
1912-24-9	Atrazine	50	65.3	131	58-153
100-52-7	Benzaldehyde	50	62.7	125* [a]	32-119
56-55-3	Benzo(a)anthracene	50	47.8	96	59-116
50-32-8	Benzo(a)pyrene	50	50.4	101	61-122
205-99-2	Benzo(b)fluoranthene	50	52.0	104	56-129
191-24-2	Benzo(g,h,i)perylene	50	47.7	95	54-126
207-08-9	Benzo(k)fluoranthene	50	44.7	89	53-124
101-55-3	4-Bromophenyl phenyl ether	50	48.9	98	55-120
85-68-7	Butyl benzyl phthalate	50	58.0	116	42-138
92-52-4	1,1'-Biphenyl	50	45.0	90	41-123
91-58-7	2-Chloronaphthalene	50	42.2	84	38-107
106-47-8	4-Chloroaniline	50	28.9	58	38-110
86-74-8	Carbazole	50	44.6	89	55-121
105-60-2	Caprolactam	50	13.2	26	10-113
218-01-9	Chrysene	50	47.2	94	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	47.2	94	48-117
111-44-4	bis(2-Chloroethyl)ether	50	45.5	91	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
OP75437-BS1	Z92318.D	1	06/10/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	43.2	86	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	47.4	95	48-117
121-14-2	2,4-Dinitrotoluene	50	53.7	107	53-129
606-20-2	2,6-Dinitrotoluene	50	52.8	106	57-126
91-94-1	3,3'-Dichlorobenzidine	100	83.1	83	41-109
123-91-1	1,4-Dioxane	50	22.5	45	10-110
53-70-3	Dibenzo(a,h)anthracene	50	49.2	98	57-126
132-64-9	Dibenzofuran	50	48.5	97	46-112
84-74-2	Di-n-butyl phthalate	50	55.2	110	54-127
117-84-0	Di-n-octyl phthalate	50	54.5	109	55-142
84-66-2	Diethyl phthalate	50	51.3	103	35-130
131-11-3	Dimethyl phthalate	50	48.1	96	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	60.4	121	58-135
206-44-0	Fluoranthene	50	48.6	97	59-120
86-73-7	Fluorene	50	47.3	95	53-114
118-74-1	Hexachlorobenzene	50	46.1	92	52-120
87-68-3	Hexachlorobutadiene	50	39.7	79	10-111
77-47-4	Hexachlorocyclopentadiene	100	79.6	80	10-116
67-72-1	Hexachloroethane	50	38.6	77	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	50.7	101	56-127
78-59-1	Isophorone	50	46.5	93	45-119
91-57-6	2-Methylnaphthalene	50	45.4	91	30-112
88-74-4	2-Nitroaniline	50	64.0	128	46-136
99-09-2	3-Nitroaniline	50	36.9	74	46-113
100-01-6	4-Nitroaniline	50	53.6	107	47-129
91-20-3	Naphthalene	50	39.7	79	35-101
98-95-3	Nitrobenzene	50	44.5	89	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	47.7	95	40-118
86-30-6	N-Nitrosodiphenylamine	50	49.7	99	54-112
85-01-8	Phenanthrene	50	44.3	89	58-113
129-00-0	Pyrene	50	47.4	95	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	45.6	91	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
OP75437-BS1	Z92318.D	1	06/10/14	AD	06/09/14	OP75437	EZ4590

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	49%	10-110%
4165-62-2	Phenol-d5	34%	10-110%
118-79-6	2,4,6-Tribromophenol	114%	29-139%
4165-60-0	Nitrobenzene-d5	96%	28-131%
321-60-8	2-Fluorobiphenyl	89%	30-121%
1718-51-0	Terphenyl-d14	99%	16-147%

(a) Outside of in-house control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
OP75383-BS1	3P32517.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1210	85	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1230	86	44-125
120-83-2	2,4-Dichlorophenol	1430	1260	88	41-120
105-67-9	2,4-Dimethylphenol	1430	1490	104	43-137
51-28-5	2,4-Dinitrophenol	2860	2970	104	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1420	99	37-136
95-48-7	2-Methylphenol	1430	1290	90	40-110
	3&4-Methylphenol	1430	1270	89	39-111
88-75-5	2-Nitrophenol	1430	1320	92	36-117
100-02-7	4-Nitrophenol	1430	1480	104	26-143
87-86-5	Pentachlorophenol	1430	1330	93	21-123
108-95-2	Phenol	1430	1180	83	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1320	92	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1280	90	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1340	94	48-119
83-32-9	Acenaphthene	1430	1260	88	46-110
208-96-8	Acenaphthylene	1430	1060	74	43-103
98-86-2	Acetophenone	1430	1220	85	35-120
120-12-7	Anthracene	1430	1280	90	56-118
1912-24-9	Atrazine	1430	1590	111	57-151
56-55-3	Benzo(a)anthracene	1430	1220	85	56-117
50-32-8	Benzo(a)pyrene	1430	1330	93	56-124
205-99-2	Benzo(b)fluoranthene	1430	1330	93	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1300	91	52-126
207-08-9	Benzo(k)fluoranthene	1430	1320	92	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1310	92	51-121
85-68-7	Butyl benzyl phthalate	1430	1320	92	52-133
92-52-4	1,1'-Biphenyl	1430	1240	87	42-122
100-52-7	Benzaldehyde	1430	1580	111	30-119
91-58-7	2-Chloronaphthalene	1430	1190	83	42-110
106-47-8	4-Chloroaniline	1430	980	69	32-102
86-74-8	Carbazole	1430	1160	81	53-119
105-60-2	Caprolactam	1430	1160	81	35-144
218-01-9	Chrysene	1430	1320	92	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1240	87	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1250	88	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
OP75383-BS1	3P32517.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1190	83	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1290	90	48-116
121-14-2	2,4-Dinitrotoluene	1430	1350	95	51-126
606-20-2	2,6-Dinitrotoluene	1430	1360	95	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2640	92	49-115
123-91-1	1,4-Dioxane	1430	736	52	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1290	90	53-126
132-64-9	Dibenzofuran	1430	1290	90	45-114
84-74-2	Di-n-butyl phthalate	1430	1280	90	56-125
117-84-0	Di-n-octyl phthalate	1430	1380	97	49-145
84-66-2	Diethyl phthalate	1430	1280	90	52-118
131-11-3	Dimethyl phthalate	1430	1220	85	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1470	103	52-138
206-44-0	Fluoranthene	1430	1240	87	55-119
86-73-7	Fluorene	1430	1260	88	51-114
118-74-1	Hexachlorobenzene	1430	1250	88	47-122
87-68-3	Hexachlorobutadiene	1430	1160	81	28-117
77-47-4	Hexachlorocyclopentadiene	2860	3120	109	22-126
67-72-1	Hexachloroethane	1430	1190	83	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1280	90	53-128
78-59-1	Isophorone	1430	1100	77	37-117
91-57-6	2-Methylnaphthalene	1430	1200	84	34-114
88-74-4	2-Nitroaniline	1430	1340	94	46-135
99-09-2	3-Nitroaniline	1430	1130	79	44-114
100-01-6	4-Nitroaniline	1430	1330	93	44-128
91-20-3	Naphthalene	1430	1140	80	37-104
98-95-3	Nitrobenzene	1430	1130	79	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1230	86	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1300	91	51-114
85-01-8	Phenanthrene	1430	1230	86	55-113
129-00-0	Pyrene	1430	1260	88	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1240	87	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68458
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
OP75383-BS1	3P32517.D	1	06/10/14	SP	06/09/14	OP75383	E3P1394

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	79%	13-110%
4165-62-2	Phenol-d5	80%	15-110%
118-79-6	2,4,6-Tribromophenol	98%	20-123%
4165-60-0	Nitrobenzene-d5	80%	10-110%
321-60-8	2-Fluorobiphenyl	83%	17-110%
3386-33-2	1-Chlorooctadecane	0%	-%
1718-51-0	Terphenyl-d14	89%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75437-MS	Z92476.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
OP75437-MSD	Z92477.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
JB68401-1	Z92481.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Compound	JB68401-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		100	83.6	84	100	90.1	90	7	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	100	100	100	111	111	10	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	94.3	94	100	102	102	8	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	103	103	100	115	115	11	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	201	101	200	222	111	10	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	107	107	100	117	117	9	10-147/42
95-48-7	2-Methylphenol	ND		100	81.8	82	100	90.1	90	10	29-111/29
	3&4-Methylphenol	ND		100	79.1	79	100	88.1	88	11	26-114/29
88-75-5	2-Nitrophenol	ND		100	99.5	100	100	109	109	9	27-121/35
100-02-7	4-Nitrophenol	ND		100	106	106	100	111	111	5	10-135/37
87-86-5	Pentachlorophenol	ND		100	110	110	100	124	124	12	21-133/35
108-95-2	Phenol	ND		100	62.5	63	100	66.7	67	7	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	99.9	100	100	109	109	9	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	105	105	100	111	111	6	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	104	104	100	110	110	6	31-130/34
83-32-9	Acenaphthene	ND		100	92.8	93	100	98.9	99	6	41-112/29
208-96-8	Acenaphthylene	ND		100	78.0	78	100	83.1	83	6	42-101/29
98-86-2	Acetophenone	ND		100	91.8	92	100	100	100	9	24-142/31
120-12-7	Anthracene	ND		100	94.6	95	100	101	101	7	52-122/26
1912-24-9	Atrazine	ND		100	131	131	100	147	147	12	42-160/26
100-52-7	Benzaldehyde	ND		100	115	115	100	106	106	8	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	96.3	96	100	102	102	6	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	97.2	97	100	104	104	7	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	99.3	99	100	106	106	7	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	98.0	98	100	101	101	3	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	94.9	95	100	101	101	6	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	101	101	100	109	109	8	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	115	115	100	124	124	8	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	91.1	91	100	97.8	98	7	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	85.2	85	100	91.7	92	7	36-108/30
106-47-8	4-Chloroaniline	ND		100	51.0	51	100	59.0	59	15	24-110/32
86-74-8	Carbazole	ND		100	90.1	90	100	97.5	98	8	47-128/25
105-60-2	Caprolactam	ND		100	53.2	28	100	59.9	34	12	10-110/44
218-01-9	Chrysene	ND		100	94.6	95	100	102	102	8	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	96.4	96	100	104	104	8	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	90.9	91	100	99.3	99	9	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75437-MS	Z92476.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
OP75437-MSD	Z92477.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
JB68401-1	Z92481.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Compound	JB68401-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	85.2	85	100	92.4	92	8	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	95.6	96	100	104	104	8	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	106	106	100	116	116	9	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	104	82	100	113	91	8	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	184	92	200	189	95	3	14-119/33
123-91-1	1,4-Dioxane	ND		100	63.3	57	100	69.2	63	9	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	98.3	98	100	104	104	6	49-130/28
132-64-9	Dibenzofuran	ND		100	94.0	94	100	102	102	8	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	114	114	100	122	122	7	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	104	103	100	112	111	7	47-148/29
84-66-2	Diethyl phthalate	ND		100	104	104	100	112	112	7	32-131/29
131-11-3	Dimethyl phthalate	ND		100	97.1	97	100	105	105	8	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	J	100	120	118	100	126	124	5	48-144/27
206-44-0	Fluoranthene	ND		100	99.2	99	100	106	106	7	51-123/27
86-73-7	Fluorene	ND		100	95.1	95	100	101	101	6	50-116/26
118-74-1	Hexachlorobenzene	ND		100	95.1	95	100	103	103	8	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	84.0	84	100	88.4	88	5	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	181	91	200	190	95	5	10-113/37
67-72-1	Hexachloroethane	ND		100	80.5	81	100	89.3	89	10	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	100	100	100	104	104	4	48-131/27
78-59-1	Isophorone	ND		100	95.5	96	100	103	103	8	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	90.2	90	100	96.3	96	7	22-120/32
88-74-4	2-Nitroaniline	ND		100	122	122	100	138	138	12	43-138/29
99-09-2	3-Nitroaniline	ND		100	69.8	70	100	77.7	78	11	34-116/26
100-01-6	4-Nitroaniline	ND		100	99.9	100	100	109	109	9	36-131/28
91-20-3	Naphthalene	ND		100	80.9	81	100	86.0	86	6	25-108/32
98-95-3	Nitrobenzene	ND		100	91.5	92	100	100	100	9	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	97.6	97	100	105	105	7	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	102	102	100	109	109	7	46-120/26
85-01-8	Phenanthrene	ND		100	91.0	91	100	98.4	98	8	51-117/25
129-00-0	Pyrene	ND		100	96.7	97	100	102	102	5	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	94.0	94	100	102	102	8	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75437-MS	Z92476.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
OP75437-MSD	Z92477.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597
JB68401-1	Z92481.D	1	06/13/14	OYA	06/09/14	OP75437	EZ4597

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-4

CAS No.	Surrogate Recoveries	MS	MSD	JB68401-1	Limits
367-12-4	2-Fluorophenol	68%	73%	45%	10-110%
4165-62-2	Phenol-d5	58%	61%	34%	10-110%
118-79-6	2,4,6-Tribromophenol	114%	124%	107%	29-139%
4165-60-0	Nitrobenzene-d5	95%	102%	83%	28-131%
321-60-8	2-Fluorobiphenyl	86%	93%	79%	30-121%
1718-51-0	Terphenyl-d14	94%	103%	78%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75383-MS [a]	3P32744.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
OP75383-MSD [a]	3P32745.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18 [b]	3P32735.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18	3P32771.D	40	06/16/14	SP	06/09/14	OP75383	E3P1403

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Compound	JB68432-18 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		1710	1160	68	1800	1490	83	25	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1710	1080	63	1800	1440	80	29	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1710	1120	66	1800	1520	84	30	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1710	1380	81	1800	1870	104	30	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3420	729	21	3600	904	25	21	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1710	350	20	1800	473	26	30	10-111/55
95-48-7	2-Methylphenol	ND		1710	1340	78	1800	1670	93	22	19-105/42
	3&4-Methylphenol	ND		1710	1400	82	1800	1760	98	23	17-108/43
88-75-5	2-Nitrophenol	ND		1710	1030	60	1800	1460	81	35	11-103/44
100-02-7	4-Nitrophenol	ND		1710	1360	80	1800	1650	92	19	10-141/48
87-86-5	Pentachlorophenol	ND		1710	950	56	1800	1070	59	12	10-114/47
108-95-2	Phenol	ND		1710	1190	70	1800	1770	98	39	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1710	1040	61	1800	1300	72	22	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1710	1160	68	1800	1450	81	22	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1710	1240	73	1800	1500	83	19	21-117/40
83-32-9	Acenaphthene	5010		1710	2760	0* [c]	1800	4590	0* [c]	50* [d]	25-106/38
208-96-8	Acenaphthylene	630		1710	1160	31	1800	1500	48	26	21-110/39
98-86-2	Acetophenone	ND		1710	1280	75	1800	1590	88	22	13-117/43
120-12-7	Anthracene	10900 [e]		1710	4090	0* [c]	1800	6990	0* [c]	52* [d]	27-123/40
1912-24-9	Atrazine	ND		1710	1120	66	1800	1580	88	34	31-147/39
56-55-3	Benzo(a)anthracene	23000 [e]		1710	6750	0* [c]	1800	11400	0* [c]	51* [d]	22-127/44
50-32-8	Benzo(a)pyrene	17000 [e]		1710	5840	0* [c]	1800	9690	0* [c]	50* [d]	22-132/42
205-99-2	Benzo(b)fluoranthene	19300 [e]		1710	6950	0* [c]	1800	11700	0* [c]	51* [d]	17-141/45
191-24-2	Benzo(g,h,i)perylene	6560		1710	3470	0* [c]	1800	5410	0* [c]	44* [d]	23-129/42
207-08-9	Benzo(k)fluoranthene	4800		1710	3010	0* [c]	1800	4640	0* [c]	43	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1710	1120	66	1800	1380	77	21	30-116/38
85-68-7	Butyl benzyl phthalate	2390		1710	41500	2290* [d]	1800	4600	123	160* [d]	26-134/40
92-52-4	1,1'-Biphenyl	254		1710	1260	59	1800	1740	83	32	22-114/41
100-52-7	Benzaldehyde	ND		1710	1440	84	1800	2030	113	34	10-115/42
91-58-7	2-Chloronaphthalene	ND		1710	1070	63	1800	1330	74	22	24-101/40
106-47-8	4-Chloroaniline	ND		1710	754	44	1800	1200	67	46* [d]	15-110/44
86-74-8	Carbazole	3790		1710	2180	0* [c]	1800	3710	0* [c]	52* [d]	27-123/38
105-60-2	Caprolactam	ND		1710	1160	68	1800	1600	89	32	10-141/42
218-01-9	Chrysene	24400 [e]		1710	6870	0* [c]	1800	11400	0* [c]	50* [d]	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1710	1210	71	1800	1620	90	29	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1710	1170	69	1800	1720	96	38	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75383-MS [a]	3P32744.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
OP75383-MSD [a]	3P32745.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18 [b]	3P32735.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18	3P32771.D	40	06/16/14	SP	06/09/14	OP75383	E3P1403

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Compound	JB68432-18 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		1710	1480	87	1800	1940	108	27	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1710	1060	62	1800	1320	73	22	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1710	1060	62	1800	1370	76	26	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1710	1160	68	1800	1480	82	24	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3420	1890	55	3600	2740	76	37	10-121/45
123-91-1	1,4-Dioxane	ND		1710	371	22	1800	664	37	57* [d]	10-110/48
53-70-3	Dibenzo(a,h)anthracene	1880		1710	1730	0* [d]	1800	2500	34	36	26-129/42
132-64-9	Dibenzofuran	2880		1710	2000	0* [d]	1800	3430	31	53* [d]	21-114/39
84-74-2	Di-n-butyl phthalate	188		1710	1580	82	1800	1540	75	3	29-127/39
117-84-0	Di-n-octyl phthalate	539		1710	20100	1145* [d]	1800	2220	93	160* [d]	25-140/43
84-66-2	Diethyl phthalate	ND		1710	1110	65	1800	1410	78	24	32-115/37
131-11-3	Dimethyl phthalate	ND		1710	1290	76	1800	1430	79	10	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	21100 [e]	B	1710	29900	767* [c]	1800	45400	1590* [c]	41	26-140/43
206-44-0	Fluoranthene	41200 [e]		1710	11900	0* [c]	1800	20100	0* [c]	51* [d]	16-134/44
86-73-7	Fluorene	5690		1710	2740	0* [c]	1800	4590	0* [c]	50* [d]	24-116/39
118-74-1	Hexachlorobenzene	ND		1710	952	56	1800	1170	65	21	24-118/41
87-68-3	Hexachlorobutadiene	ND		1710	859	50	1800	1160	64	30	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3420	ND	0* [d]	3600	ND	0* [d]	nc	10-110/52
67-72-1	Hexachloroethane	ND		1710	427	25	1800	640	36	40	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	8500 [e]		1710	3720	0* [c]	1800	6370	0* [c]	53* [d]	23-132/43
78-59-1	Isophorone	ND		1710	1000	59	1800	1420	79	35	22-105/41
91-57-6	2-Methylnaphthalene	493		1710	1260	45	1800	2850	131* [d]	77* [d]	16-108/40
88-74-4	2-Nitroaniline	ND		1710	1420	83	1800	1780	99	23	23-130/39
99-09-2	3-Nitroaniline	ND		1710	1040	61	1800	1350	75	26	19-116/40
100-01-6	4-Nitroaniline	ND		1710	993	58	1800	1300	72	27	18-124/42
91-20-3	Naphthalene	714		1710	1380	39	1800	3290	143* [d]	82* [d]	13-103/41
98-95-3	Nitrobenzene	ND		1710	1030	60	1800	1410	78	31	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1710	1270	74	1800	1610	89	24	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1710	1510	88	1800	1930	107	24	26-119/38
85-01-8	Phenanthrene	40300 [e]		1710	10300	0* [c]	1800	19300	0* [c]	61* [d]	19-126/42
129-00-0	Pyrene	48800 [e]		1710	12900	0* [c]	1800	22100	0* [c]	53* [d]	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1710	1050	61	1800	1280	71	20	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68458
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
OP75383-MS [a]	3P32744.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
OP75383-MSD [a]	3P32745.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18 [b]	3P32735.D	2	06/15/14	EA	06/09/14	OP75383	E3P1402
JB68432-18	3P32771.D	40	06/16/14	SP	06/09/14	OP75383	E3P1403

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68458-1, JB68458-2, JB68458-5, JB68458-6

CAS No.	Surrogate Recoveries	MS	MSD	JB68432-18	JB68432-18	Limits
367-12-4	2-Fluorophenol	58%	72%	65%	55%	13-110%
4165-62-2	Phenol-d5	63%	74%	74%	57%	15-110%
118-79-6	2,4,6-Tribromophenol	68%	78%	79%	97%	20-123%
4165-60-0	Nitrobenzene-d5	58%	76%	73%	60%	10-110%
321-60-8	2-Fluorobiphenyl	63%	74%	76%	94%	17-110%
1718-51-0	Terphenyl-d14	66%	81%	85%	102%	30-124%

(a) Dilution required due to viscosity of the extract matrix
(b) Dilution required due to viscosity of the extract matrix.
(c) Outside control limits due to high level in sample relative to spike amount.
(d) Outside control limits due to matrix interference.
(e) Result is from Run #2.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB68458
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: JB68458
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: JB68458
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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1394-DFTPP	**Injection Date:**	06/10/14
Lab File ID:	3P32512.D	**Injection Time:**	10:00
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14142	33.3		Pass
68	Less than 2.0% of mass 69	299	0.70	(1.52) [a]	Pass
69	Mass 69 relative abundance	19627	46.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23036	54.2		Pass
197	Less than 1.04% of mass 198	88	0.21		Pass
198	Base peak, 100% relative abundance	42525	100.0		Pass
199	5.0 - 9.0% of mass 198	2950	6.94		Pass
275	10.0 - 30.0% of mass 198	9046	21.3		Pass
365	1.0 - 100.0% of mass 198	999	2.35		Pass
441	Present, but less than mass 443	4069	9.57	(75.1) [b]	Pass
442	40.0 - 100.0% of mass 198	27423	64.5		Pass
443	17.0 - 23.0% of mass 442	5421	12.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3P1394-CC1389	3P32513.D	06/10/14	10:10	00:10	Continuing cal 50
E3P1394-CC1390	3P32514.D	06/10/14	10:36	00:36	Continuing cal 50
OP75383-MB1	3P32516.D	06/10/14	11:41	01:41	Method Blank
OP75383-BS1	3P32517.D	06/10/14	12:07	02:07	Blank Spike
ZZZZZZ	3P32519.D	06/10/14	12:59	02:59	(unrelated sample)
ZZZZZZ	3P32520.D	06/10/14	13:25	03:25	(unrelated sample)
ZZZZZZ	3P32521.D	06/10/14	13:52	03:52	(unrelated sample)
ZZZZZZ	3P32522.D	06/10/14	14:18	04:18	(unrelated sample)
ZZZZZZ	3P32524.D	06/10/14	15:10	05:10	(unrelated sample)
OP75312-MB1	3P32525.D	06/10/14	15:52	05:52	Method Blank

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1402-DFTPP	**Injection Date:**	06/15/14
Lab File ID:	3P32724.D	**Injection Time:**	09:55
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	18061	36.9		Pass
68	Less than 2.0% of mass 69	399	0.81	(1.89) [a]	Pass
69	Mass 69 relative abundance	21162	43.2		Pass
70	Less than 2.0% of mass 69	110	0.22	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	26088	53.2		Pass
197	Less than 1.04% of mass 198	172	0.35		Pass
198	Base peak, 100% relative abundance	48992	100.0		Pass
199	5.0 - 9.0% of mass 198	3396	6.93		Pass
275	10.0 - 30.0% of mass 198	10428	21.3		Pass
365	1.0 - 100.0% of mass 198	1112	2.27		Pass
441	Present, but less than mass 443	4292	8.76	(77.6) [b]	Pass
442	40.0 - 100.0% of mass 198	27999	57.2		Pass
443	17.0 - 23.0% of mass 442	5533	11.3	(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
E3P1402-CC1389	3P32725.D	06/15/14	10:15	00:20	Continuing cal 50
E3P1402-CC1390	3P32726.D	06/15/14	11:01	01:06	Continuing cal 50
ZZZZZZ	3P32727.D	06/15/14	11:42	01:47	(unrelated sample)
ZZZZZZ	3P32728.D	06/15/14	12:18	02:23	(unrelated sample)
ZZZZZZ	3P32729.D	06/15/14	13:04	03:09	(unrelated sample)
ZZZZZZ	3P32730.D	06/15/14	13:51	03:56	(unrelated sample)
JB68458-2	3P32732.D	06/15/14	15:26	05:31	269-PE-52
JB68458-5	3P32733.D	06/15/14	15:54	05:59	332-PE-58
JB68432-18	3P32735.D	06/15/14	16:50	06:55	(used for QC only; not part of job JB68458)
ZZZZZZ	3P32736.D	06/15/14	17:17	07:22	(unrelated sample)
ZZZZZZ	3P32737.D	06/15/14	17:43	07:48	(unrelated sample)
ZZZZZZ	3P32740.D	06/15/14	19:02	09:07	(unrelated sample)
ZZZZZZ	3P32741.D	06/15/14	19:28	09:33	(unrelated sample)
ZZZZZZ	3P32743.D	06/15/14	20:20	10:25	(unrelated sample)
OP75383-MS	3P32744.D	06/15/14	20:46	10:51	Matrix Spike
OP75383-MSD	3P32745.D	06/15/14	21:12	11:17	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1403-DFTPP	**Injection Date:**	06/16/14
Lab File ID:	3P32751.D	**Injection Time:**	09:42
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12979	35.7		Pass
68	Less than 2.0% of mass 69	299	0.82	(1.90) [a]	Pass
69	Mass 69 relative abundance	15732	43.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	18976	52.2		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	36324	100.0		Pass
199	5.0 - 9.0% of mass 198	2489	6.85		Pass
275	10.0 - 30.0% of mass 198	7599	20.9		Pass
365	1.0 - 100.0% of mass 198	917	2.52		Pass
441	Present, but less than mass 443	3515	9.68	(79.8) [b]	Pass
442	40.0 - 100.0% of mass 198	22121	60.9		Pass
443	17.0 - 23.0% of mass 442	4407	12.1	(19.9) [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
E3P1403-CC1389	3P32752.D	06/16/14	09:52	00:10	Continuing cal 25
E3P1403-CC1390	3P32753.D	06/16/14	10:18	00:36	Continuing cal 25
ZZZZZZ	3P32755.D	06/16/14	11:11	01:29	(unrelated sample)
ZZZZZZ	3P32756.D	06/16/14	11:37	01:55	(unrelated sample)
ZZZZZZ	3P32757.D	06/16/14	12:02	02:20	(unrelated sample)
ZZZZZZ	3P32758.D	06/16/14	12:28	02:46	(unrelated sample)
ZZZZZZ	3P32759.D	06/16/14	12:54	03:12	(unrelated sample)
ZZZZZZ	3P32760.D	06/16/14	13:20	03:38	(unrelated sample)
ZZZZZZ	3P32762.D	06/16/14	14:12	04:30	(unrelated sample)
ZZZZZZ	3P32763.D	06/16/14	14:37	04:55	(unrelated sample)
ZZZZZZ	3P32764.D	06/16/14	15:03	05:21	(unrelated sample)
ZZZZZZ	3P32766.D	06/16/14	15:55	06:13	(unrelated sample)
ZZZZZZ	3P32767.D	06/16/14	16:21	06:39	(unrelated sample)
ZZZZZZ	3P32768.D	06/16/14	16:47	07:05	(unrelated sample)
ZZZZZZ	3P32770.D	06/16/14	17:38	07:56	(unrelated sample)
JB68432-18	3P32771.D	06/16/14	18:04	08:22	(used for QC only; not part of job JB68458)
ZZZZZZ	3P32772.D	06/16/14	18:30	08:48	(unrelated sample)
ZZZZZZ	3P32773.D	06/16/14	18:56	09:14	(unrelated sample)
ZZZZZZ	3P32774.D	06/16/14	19:22	09:40	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1403-DFTPP	**Injection Date:**	06/16/14
Lab File ID:	3P32751.D	**Injection Time:**	09:42
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB68458-1	3P32775.D	06/16/14	19:48	10:06	329-PE-42
JB68458-6	3P32776.D	06/16/14	20:14	10:32	333-PE-57
ZZZZZZ	3P32777.D	06/16/14	20:39	10:57	(unrelated sample)
OP75377-MSD	3P32778.D	06/16/14	21:05	11:23	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB68458
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: JB68458
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: JB68458
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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4590-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	Z92313.D	**Injection Time:**	22:12
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	45771	44.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	44622	43.1		Pass
70	Less than 2.0% of mass 69	349	0.34	(0.78) [a]	Pass
127	40.0 - 60.0% of mass 198	53407	51.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	103585	100.0		Pass
199	5.0 - 9.0% of mass 198	7081	6.84		Pass
275	10.0 - 30.0% of mass 198	27255	26.3		Pass
365	1.0 - 100.0% of mass 198	4096	3.95		Pass
441	Present, but less than mass 443	12970	12.5	(72.1) [b]	Pass
442	40.0 - 100.0% of mass 198	92608	89.4		Pass
443	17.0 - 23.0% of mass 442	17978	17.4	(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
EZ4590-CC4569	Z92314.D	06/09/14	22:24	00:12	Continuing cal 50
EZ4590-CC4571	Z92315.D	06/09/14	22:49	00:37	Continuing cal 50
OP75437-MB1	Z92317.D	06/09/14	23:53	01:41	Method Blank
OP75437-BS1	Z92318.D	06/10/14	00:19	02:07	Blank Spike
ZZZZZZ	Z92319.D	06/10/14	00:45	02:33	(unrelated sample)
ZZZZZZ	Z92320.D	06/10/14	01:10	02:58	(unrelated sample)
ZZZZZZ	Z92321.D	06/10/14	01:36	03:24	(unrelated sample)
ZZZZZZ	Z92322.D	06/10/14	02:02	03:50	(unrelated sample)
ZZZZZZ	Z92323.D	06/10/14	02:29	04:17	(unrelated sample)
ZZZZZZ	Z92326.D	06/10/14	03:47	05:35	(unrelated sample)
ZZZZZZ	Z92327.D	06/10/14	04:13	06:01	(unrelated sample)
ZZZZZZ	Z92328.D	06/10/14	04:38	06:26	(unrelated sample)
ZZZZZZ	Z92329.D	06/10/14	05:04	06:52	(unrelated sample)
ZZZZZZ	Z92330.D	06/10/14	05:30	07:18	(unrelated sample)
ZZZZZZ	Z92331.D	06/10/14	05:57	07:45	(unrelated sample)
JB68458-4	Z92332.D	06/10/14	06:22	08:10	331-FB-10
ZZZZZZ	Z92333.D	06/10/14	06:48	08:36	(unrelated sample)
ZZZZZZ	Z92334.D	06/10/14	07:14	09:02	(unrelated sample)
ZZZZZZ	Z92335.D	06/10/14	07:39	09:27	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4596-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	Z92458.D	**Injection Time:**	16:59
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	51376	47.6		Pass
68	Less than 2.0% of mass 69	671	0.62	(1.28) [a]	Pass
69	Mass 69 relative abundance	52578	48.7		Pass
70	Less than 2.0% of mass 69	109	0.10	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	58901	54.6		Pass
197	Less than 1.0% of mass 198	151	0.14		Pass
198	Base peak, 100% relative abundance	107882	100.0		Pass
199	5.0 - 9.0% of mass 198	7628	7.07		Pass
275	10.0 - 30.0% of mass 198	27738	25.7		Pass
365	1.0 - 100.0% of mass 198	4324	4.01		Pass
441	Present, but less than mass 443	12773	11.8	(73.6) [b]	Pass
442	40.0 - 100.0% of mass 198	86880	80.5		Pass
443	17.0 - 23.0% of mass 442	17343	16.1	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4596-IC4596	Z92459.D	06/12/14	17:12	00:13	Initial cal 100
EZ4596-IC4596	Z92460.D	06/12/14	17:38	00:39	Initial cal 80
EZ4596-ICC4596	Z92461.D	06/12/14	18:04	01:05	Initial cal 50
EZ4596-IC4596	Z92462.D	06/12/14	18:30	01:31	Initial cal 25
EZ4596-IC4596	Z92463.D	06/12/14	18:56	01:57	Initial cal 10
EZ4596-IC4596	Z92464.D	06/12/14	19:22	02:23	Initial cal 5
EZ4596-IC4596	Z92465.D	06/12/14	19:47	02:48	Initial cal 2
EZ4596-IC4596	Z92466.D	06/12/14	20:13	03:14	Initial cal 1
EZ4596-ICV4596	Z92467.D	06/12/14	20:39	03:40	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4597-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	Z92468.D	**Injection Time:**	22:20
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	50275	46.9		Pass
68	Less than 2.0% of mass 69	111	0.10	(0.22) [a]	Pass
69	Mass 69 relative abundance	51462	48.1		Pass
70	Less than 2.0% of mass 69	221	0.21	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	59074	55.2		Pass
197	Less than 1.0% of mass 198	252	0.24		Pass
198	Base peak, 100% relative abundance	107096	100.0		Pass
199	5.0 - 9.0% of mass 198	7155	6.68		Pass
275	10.0 - 30.0% of mass 198	27128	25.3		Pass
365	1.0 - 100.0% of mass 198	4292	4.01		Pass
441	Present, but less than mass 443	13178	12.3	(73.0) [b]	Pass
442	40.0 - 100.0% of mass 198	90714	84.7		Pass
443	17.0 - 23.0% of mass 442	18053	16.9	(19.9) [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
EZ4597-CC4569	Z92469.D	06/12/14	22:32	00:12	Continuing cal 50
EZ4597-CC4571	Z92470.D	06/12/14	22:58	00:38	Continuing cal 50
EZ4597-CC4596	Z92471.D	06/12/14	23:23	01:03	Continuing cal 50
OP75490-MB1	Z92472.D	06/12/14	23:49	01:29	Method Blank
OP75490-BS1	Z92473.D	06/13/14	00:15	01:55	Blank Spike
OP75490-BS13	Z92474.D	06/13/14	00:41	02:21	Blank Spike
OP75437-BS13	Z92475.D	06/13/14	01:07	02:47	Blank Spike
OP75437-MS	Z92476.D	06/13/14	01:33	03:13	Matrix Spike
OP75437-MSD	Z92477.D	06/13/14	01:59	03:39	Matrix Spike Duplicate
OP75490-MS	Z92478.D	06/13/14	02:24	04:04	Matrix Spike
OP75490-MSD	Z92479.D	06/13/14	02:50	04:30	Matrix Spike Duplicate
ZZZZZZ	Z92480.D	06/13/14	03:16	04:56	(unrelated sample)
JB68401-1	Z92481.D	06/13/14	03:42	05:22	(used for QC only; not part of job JB68458)
ZZZZZZ	Z92482.D	06/13/14	04:08	05:48	(unrelated sample)
ZZZZZZ	Z92483.D	06/13/14	04:33	06:13	(unrelated sample)
ZZZZZZ	Z92484.D	06/13/14	04:59	06:39	(unrelated sample)
JB68667-5A	Z92485.D	06/13/14	05:25	07:05	(used for QC only; not part of job JB68458)
ZZZZZZ	Z92488.D	06/13/14	06:42	08:22	(unrelated sample)
ZZZZZZ	Z92489.D	06/13/14	07:08	08:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4597-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	Z92468.D	**Injection Time:**	22:20
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z92490.D	06/13/14	07:33	09:13	(unrelated sample)
ZZZZZZ	Z92491.D	06/13/14	07:58	09:38	(unrelated sample)
ZZZZZZ	Z92495.D	06/13/14	09:42	11:22	(unrelated sample)
ZZZZZZ	Z92496.D	06/13/14	10:08	11:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4606-DFTPP	**Injection Date:**	06/18/14
Lab File ID:	Z92714.D	**Injection Time:**	09:16
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	42360	50.4		Pass
68	Less than 2.0% of mass 69	269	0.32	(0.64) [a]	Pass
69	Mass 69 relative abundance	41934	49.9		Pass
70	Less than 2.0% of mass 69	741	0.88	(1.77) [a]	Pass
127	40.0 - 60.0% of mass 198	50000	59.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	84098	100.0		Pass
199	5.0 - 9.0% of mass 198	5158	6.13		Pass
275	10.0 - 30.0% of mass 198	19559	23.3		Pass
365	1.0 - 100.0% of mass 198	3489	4.15		Pass
441	Present, but less than mass 443	7414	8.82	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	48977	58.2		Pass
443	17.0 - 23.0% of mass 442	9111	10.8	(18.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4606-CC4569	Z92716.D	06/18/14	10:15	00:59	Continuing cal 50
EZ4606-CC4569	Z92718.D	06/18/14	11:10	01:54	Continuing cal 50
EZ4606-CC4571	Z92729.D	06/18/14	12:26	03:10	Continuing cal 50
OP75437-MB1	Z92721.D	06/18/14	12:52	03:36	Method Blank
ZZZZZZ	Z92730.D	06/18/14	15:00	05:44	(unrelated sample)
ZZZZZZ	Z92731.D	06/18/14	15:25	06:09	(unrelated sample)
JB69076-6A	Z92732.D	06/18/14	15:51	06:35	(used for QC only; not part of job JB68458)
ZZZZZZ	Z92734.D	06/18/14	17:59	08:43	(unrelated sample)
ZZZZZZ	Z92735.D	06/18/14	18:25	09:09	(unrelated sample)
ZZZZZZ	Z92736.D	06/18/14	18:51	09:35	(unrelated sample)
ZZZZZZ	Z92741.D	06/18/14	19:16	10:00	(unrelated sample)
ZZZZZZ	Z92737.D	06/18/14	19:42	10:26	(unrelated sample)
ZZZZZZ	Z92739.D	06/18/14	20:33	11:17	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1394-CC1389	**Injection Date:**	06/10/14
Lab File ID:	3P32513.D	**Injection Time:**	10:10
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	242281	4.55	796150	5.47	431539	6.84	698091	8.64	686129	13.82	606481	16.85
Upper Limit [a]	484562	5.05	1592300	5.97	863078	7.34	1396182	9.14	1372258	14.32	1212962	17.35
Lower Limit [b]	121141	4.05	398075	4.97	215770	6.34	349046	8.14	343065	13.32	303241	16.35
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**
OP75383-MB1	297742	4.55	1033600	5.47	562610	6.84	890138	8.63	773954	13.82	670269	16.85
OP75383-BS1	269308	4.55	942400	5.47	495794	6.84	805627	8.64	767983	13.82	654139	16.85
ZZZZZZ	285080	4.55	1007553	5.47	515462	6.84	772061	8.64	671221	13.82	628442	16.85
ZZZZZZ	293211	4.55	1024440	5.47	543231	6.84	840467	8.63	694868	13.82	621782	16.85
ZZZZZZ	219690	4.55	801447	5.47	417273	6.84	568269	8.64	529734	13.83	480889	16.86
ZZZZZZ	332370	4.55	1116626	5.47	593056	6.84	930382	8.64	816071	13.82	726593	16.86
ZZZZZZ	293344	4.55	1020208	5.47	546290	6.84	861014	8.64	727230	13.83	620871	16.86
OP75312-MB1	658831*	4.55	2202174*	5.47	1202642*	6.84	1867118*	8.65	1712718*	13.84	1461640*	16.88

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1402-CC1389	**Injection Date:**	06/15/14
Lab File ID:	3P32725.D	**Injection Time:**	10:15
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	315392	4.52	1096951	5.45	619413	6.81	1042372	8.61	1044764	13.81	930101	16.84
Upper Limit [a]	630784	5.02	2193902	5.95	1238826	7.31	2084744	9.11	2089528	14.31	1860202	17.34
Lower Limit [b]	157696	4.02	548476	4.95	309707	6.31	521186	8.11	522382	13.31	465051	16.34
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
ZZZZZZ	275586	4.52	996327	5.44	578334	6.81	925398	8.61	903687	13.79	771208	16.83
ZZZZZZ	317731	4.52	1132497	5.44	622217	6.81	926601	8.61	686863	13.80	591788	16.84
ZZZZZZ	270324	4.52	983986	5.45	563961	6.82	887383	8.62	731101	13.81	546359	16.86
ZZZZZZ	294471	4.52	1110217	5.45	647982	6.82	1015864	8.62	794176	13.82	592456	16.86
JB68458-2	272730	4.52	1044841	5.45	592347	6.82	972785	8.62	821987	13.82	588526	16.85
JB68458-5	276986	4.53	1090121	5.45	635400	6.82	1080327	8.61	930302	13.81	660205	16.86
JB68432-18	273686	4.53	1029194	5.45	556314	6.82	875446	8.63	687579	13.88	587474	16.92
ZZZZZZ	277452	4.53	1074227	5.45	589801	6.82	936601	8.63	675833	13.89	555636	16.92
ZZZZZZ	250782	4.53	933492	5.45	530997	6.82	858706	8.63	618292	13.84	499163	16.90
ZZZZZZ	183143	4.53	689530	5.45	390568	6.83	587591	8.64	418978*	13.88	345080*	16.93
ZZZZZZ	239500	4.53	947341	5.45	515171	6.83	780775	8.66	554107	13.96	479556	17.00
ZZZZZZ	308182	4.53	1155327	5.46	635579	6.83	888583	8.64	643170	13.87	553493	16.95
OP75383-MS [c]	299218	4.54	1155097	5.46	566436	6.83	824101	8.65	609723	13.90	532971	16.97
OP75383-MSD [c]	262758	4.54	938230	5.46	502927	6.83	736086	8.65	528566	13.90	451394*	16.96

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) Dilution required due to viscosity of the extract matrix

Semivolatile Internal Standard Area Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1403-CC1389	**Injection Date:**	06/16/14
Lab File ID:	3P32752.D	**Injection Time:**	09:52
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	299444	4.53	1040225	5.45	566288	6.82	938470	8.62	877923	13.83	659432	16.88
Upper Limit [a]	598888	5.03	2080450	5.95	1132576	7.32	1876940	9.12	1755846	14.33	1318864	17.38
Lower Limit [b]	149722	4.03	520113	4.95	283144	6.32	469235	8.12	438962	13.33	329716	16.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	285491	4.53	1109159	5.45	637020	6.82	1034714	8.62	969384	13.82	764329	16.87
ZZZZZZ	271371	4.53	1043683	5.45	587548	6.82	969452	8.62	884468	13.82	701478	16.87
ZZZZZZ	243872	4.53	943871	5.45	535799	6.82	887182	8.62	818421	13.82	655917	16.87
ZZZZZZ	259063	4.53	997360	5.45	554651	6.81	917781	8.62	843263	13.82	672775	16.87
ZZZZZZ	276501	4.53	1033259	5.45	557957	6.81	860116	8.61	677370	13.82	572555	16.87
ZZZZZZ	292965	4.53	1050737	5.45	553827	6.81	796201	8.61	616572	13.82	548673	16.87
ZZZZZZ	302504	4.53	1110115	5.45	591782	6.81	887578	8.61	717799	13.82	614112	16.87
ZZZZZZ	299239	4.53	1094529	5.45	576594	6.81	864205	8.61	673709	13.82	580934	16.87
ZZZZZZ	283211	4.53	1028902	5.45	527157	6.81	726979	8.61	572457	13.82	535744	16.87
ZZZZZZ	284240	4.53	1034171	5.45	537615	6.81	809808	8.62	586490	13.83	530309	16.88
ZZZZZZ	273230	4.53	1012575	5.45	542299	6.82	812812	8.61	616857	13.82	534809	16.87
ZZZZZZ	282440	4.53	1041796	5.45	568268	6.81	889155	8.61	703189	13.82	605380	16.87
ZZZZZZ	253784	4.53	851155	5.45	494948	6.81	876247	8.62	734156	13.82	652000	16.87
JB68432-18	232613	4.53	930881	5.45	498097	6.81	722772	8.62	592206	13.82	529628	16.87
ZZZZZZ	223766	4.53	916241	5.45	503178	6.81	756113	8.62	587772	13.82	519924	16.87
ZZZZZZ	232689	4.53	942946	5.45	516808	6.81	785835	8.61	627505	13.82	536510	16.87
ZZZZZZ	220749	4.53	902739	5.45	488957	6.81	773666	8.61	611151	13.82	523175	16.87
JB68458-1	230842	4.53	871480	5.45	448388	6.81	649603	8.61	581415	13.82	511468	16.87
JB68458-6	254403	4.53	918635	5.45	494780	6.81	739887	8.61	597705	13.82	533382	16.87
ZZZZZZ	225675	4.53	874101	5.45	453930	6.81	703203	8.62	571072	13.82	509861	16.88
OP75377-MSD	273034	4.53	1037591	5.45	487579	6.82	716800	8.62	620150	13.83	532823	16.88

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4590-CC4569	**Injection Date:**	06/09/14
Lab File ID:	Z92314.D	**Injection Time:**	22:24
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	393912	3.61	1542084	4.95	857430	7.00	1468326	8.79	1428661	12.51	1319095	14.55
Upper Limit [a]	787824	4.11	3084168	5.45	1714860	7.50	2936652	9.29	2857322	13.01	2638190	15.05
Lower Limit [b]	196956	3.11	771042	4.45	428715	6.50	734163	8.29	714331	12.01	659548	14.05

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75437-MB1	238775	3.61	963935	4.94	524585	7.00	905040	8.79	936333	12.49	830061	14.54
OP75437-BS1	249676	3.61	997725	4.94	538616	7.00	913912	8.79	891236	12.50	805463	14.55
ZZZZZZ	248209	3.61	977364	4.94	537280	6.99	917106	8.78	948053	12.49	838349	14.54
ZZZZZZ	291702	3.61	1125762	4.94	589856	6.99	974377	8.79	999212	12.49	909568	14.54
ZZZZZZ	280759	3.61	1087975	4.94	579267	7.00	973637	8.79	984729	12.49	885014	14.54
ZZZZZZ	254309	3.61	970958	4.94	725099	7.01	875445	8.81	887319	12.51	799598	14.55
ZZZZZZ	267617	3.61	1044537	4.94	557061	7.00	947018	8.79	962080	12.49	853281	14.54
ZZZZZZ	247991	3.61	991942	4.94	535246	6.99	918704	8.79	950562	12.49	850507	14.54
ZZZZZZ	249178	3.61	1005742	4.94	541810	6.99	936489	8.78	950153	12.49	858240	14.54
ZZZZZZ	284788	3.61	1136414	4.94	603053	6.99	1040108	8.78	1052978	12.49	928555	14.54
ZZZZZZ	251732	3.61	996858	4.94	548700	6.99	945055	8.78	964414	12.49	871476	14.54
ZZZZZZ	272868	3.61	1082290	4.94	578695	6.99	988837	8.78	1001649	12.49	892952	14.54
ZZZZZZ	271766	3.61	1058776	4.94	568281	6.99	953332	8.78	999046	12.49	904568	14.54
JB68458-4	258564	3.61	1036306	4.94	569360	6.99	969516	8.78	975706	12.49	889953	14.54
ZZZZZZ	236984	3.60	937177	4.94	507268	6.99	872130	8.78	882574	12.49	799944	14.54
ZZZZZZ	250462	3.61	967024	4.94	515781	6.99	883112	8.78	901877	12.49	821291	14.54
ZZZZZZ	244907	3.60	957087	4.94	525559	6.99	891043	8.78	910436	12.49	811963	14.53

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4597-CC4569 **Injection Date:** 06/12/14
Lab File ID: Z92469.D **Injection Time:** 22:32
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	360066	3.56	1454522	4.89	798620	6.94	1355303	8.73	1422921	12.43	1319689	14.48
Upper Limit [a]	720132	4.06	2909044	5.39	1597240	7.44	2710606	9.23	2845842	12.93	2639378	14.98
Lower Limit [b]	180033	3.06	727261	4.39	399310	6.44	677652	8.23	711461	11.93	659845	13.98

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
OP75490-MB1	224150	3.56	905000	4.89	485241	6.94	816668	8.72	831176	12.42	777834	14.46
OP75490-BS1	231773	3.56	921189	4.89	515087	6.94	851358	8.73	874018	12.42	808571	14.47
OP75490-BS13	227853	3.56	917389	4.89	497690	6.94	845148	8.72	853015	12.42	789876	14.46
OP75437-BS13	232420	3.56	918117	4.89	502218	6.94	833479	8.72	824326	12.42	767409	14.46
OP75437-MS	229483	3.56	893477	4.89	482293	6.94	789075	8.72	782688	12.42	712741	14.46
OP75437-MSD	223677	3.56	890106	4.89	483968	6.94	797130	8.73	785466	12.42	705683	14.46
OP75490-MS	215154	3.56	847989	4.89	457290	6.94	774971	8.73	783747	12.42	729795	14.46
OP75490-MSD	220192	3.56	869676	4.89	470987	6.94	794092	8.73	822629	12.43	756219	14.47
ZZZZZZ	235239	3.56	955537	4.89	514785	6.94	880076	8.73	907555	12.42	828568	14.47
JB68401-1	221257	3.56	886001	4.89	491539	6.94	840831	8.72	888187	12.42	835077	14.46
ZZZZZZ	254597	3.56	1018413	4.89	572212	6.94	982074	8.72	1005178	12.42	909300	14.46
ZZZZZZ	251903	3.56	1037758	4.89	562052	6.94	968406	8.72	1003371	12.42	908483	14.46
ZZZZZZ	222706	3.56	901971	4.89	493013	6.94	852433	8.72	870708	12.42	825679	14.46
JB68667-5A	216706	3.56	867559	4.89	477426	6.94	813454	8.73	838624	12.42	765755	14.47
ZZZZZZ	228232	3.56	915509	4.89	506764	6.94	860088	8.73	880881	12.42	826607	14.47
ZZZZZZ	230059	3.56	955138	4.89	518598	6.94	875203	8.72	907471	12.42	852194	14.46
ZZZZZZ	210367	3.56	846388	4.89	462692	6.94	808077	8.73	838701	12.42	760786	14.47
ZZZZZZ	216984	3.56	868310	4.89	480463	6.94	826321	8.73	863685	12.42	777725	14.47
ZZZZZZ	217091	3.56	868158	4.89	492580	6.94	829171	8.73	851389	12.43	795683	14.47
ZZZZZZ	214405	3.56	859649	4.89	480679	6.94	816427	8.73	838069	12.43	776809	14.48

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: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4606-CC4569 **Injection Date:** 06/18/14
Lab File ID: Z92716.D **Injection Time:** 10:15
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	291340	3.47	1159227	4.79	729387	6.84	1251698	8.62	1268334	12.30	748791	14.34
Upper Limit [a]	582680	3.97	2318454	5.29	1458774	7.34	2503396	9.12	2536668	12.80	1497582	14.84
Lower Limit [b]	145670	2.97	579614	4.29	364694	6.34	625849	8.12	634167	11.80	374396	13.84
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**
OP75437-MB1	496542	3.47	2016907	4.79	1156582	6.84	2024659	8.62	1907073	12.30	1414717	14.34
ZZZZZZ	261207	3.47	967638	4.79	502010	6.83	716684	8.62	627644*	12.29	539674	14.33
ZZZZZZ	253505	3.47	974285	4.78	528226	6.83	828579	8.61	618254*	12.29	532395	14.34
JB69076-6A	192604	3.46	768011	4.78	445545	6.83	703106	8.61	488914*	12.29	375069	14.33
ZZZZZZ	241799	3.47	924094	4.80	475862	6.84	597604*	8.63	593660*	12.31	500644	14.34
ZZZZZZ	280722	3.47	1126269	4.78	668358	6.83	1147544	8.62	1065409	12.29	782877	14.33
ZZZZZZ	272579	3.47	1072272	4.78	643862	6.83	1083620	8.61	1064161	12.29	834376	14.33
ZZZZZZ	264077	3.47	1052752	4.78	591003	6.83	898249	8.61	919738	12.29	802407	14.33
ZZZZZZ	339928	3.47	1354071	4.78	791033	6.83	1359089	8.61	1359011	12.29	1088847	14.33
ZZZZZZ	240963	3.46	939420	4.78	553127	6.83	902038	8.61	789525	12.29	586261	14.33

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Surrogate Recovery Summary

Job Number: JB68458
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
JB68458-4	Z92332.D	47	32	98	92	81	87
OP75437-BS1	Z92318.D	49	34	114	96	89	99
OP75437-MB1	Z92317.D	49	32	107	94	85	91
OP75437-MB1	Z92721.D	35	26	88	96	85	90
OP75437-MS	Z92476.D	68	58	114	95	86	94
OP75437-MSD	Z92477.D	73	61	124	102	93	103

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: JB68458
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
JB68458-1	3P32775.D	74	74	106	82	85	95
JB68458-2	3P32732.D	59	62	65	62	59	67
JB68458-5	3P32733.D	78	83	81	77	74	82
JB68458-6	3P32776.D	62	65	87	70	73	88
OP75383-BS1	3P32517.D	79	80	98	80	83	89
OP75383-MB1	3P32516.D	73	76	86	81	84	88
OP75383-MS	3P32744.D	58	63	68	58	63	66
OP75383-MSD	3P32745.D	72	74	78	76	74	81

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: JB68458 **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: JB68458 **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: JB68458 **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: JB68458 **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

Initial Calibration Verification

Job Number: JB68458 **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

8.7.3

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.4

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.4

Initial Calibration Verification

Job Number: JB68458 **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

8.7.5

Initial Calibration Verification

Job Number: JB68458 **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

Initial Calibration Verification

Job Number: JB68458 **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

Initial Calibration Verification

Job Number: JB68458 **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

8.7.8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.9

Initial Calibration Verification

Job Number: JB68458 **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
```

8.7.10

8

Initial Calibration Verification

Job Number: JB68458 **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
```

8.7.11

8

Initial Calibration Verification

Job Number: JB68458 **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
```

8.7.12

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.13

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1394-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32513.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1394\3p32513.D Vial: 2
Acq On : 10 Jun 2014 10:10 am Operator: samtap
Sample : cc1389-50 Inst : GC3P
Misc : op75312,e3p1394,1000,,,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 : 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	90	-0.02	4.55
2	t	1,4-Dioxane	0.599	0.552	7.8	95	-0.03	2.05
3	t	Pyridine	1.490	1.346	9.7	89	-0.03	2.38
4	t	N-Nitrosodimethylamine	0.540	0.544	-0.7	96	-0.02	2.35
5	S	2-Fluorophenol	1.323	1.303	1.5	89	-0.02	3.57
6	t	Indene	2.321	1.943	16.3	88	-0.02	4.74
7	t	Cumene	3.535	3.148	10.9	90	-0.02	3.96
8	S	Phenol-d5	1.541	1.485	3.6	87	-0.01	4.30
9	t	Phenol	1.720	1.607	6.6	88	-0.02	4.30
10		Aniline	1.719	1.512	12.0	84	-0.02	4.31
11	t	bis(2-Chloroethyl)ether	1.090	1.030	5.5	89	-0.02	4.36
12	t	2-Chlorophenol	1.446	1.331	8.0	87	-0.02	4.40
13	t	Decane	0.999	0.872	12.7	92	-0.02	4.44
14	t	1,3-Dichlorobenzene	1.657	1.535	7.4	89	-0.02	4.51
15	t	1,4-Dichlorobenzene	1.647	1.551	5.8	90	-0.02	4.56
16	t	Benzyl alcohol	0.795	0.750	5.7	88	-0.02	4.65
17	t	1,2-Dichlorobenzene	1.527	1.417	7.2	89	-0.02	4.68
18	t	Acetophenone	1.805	1.511	16.3	88	-0.02	4.84
19	t	2-Methylphenol	1.050	0.960	8.6	87	-0.01	4.75
20	t	2,2'-oxybis(1-Chloropropa	1.079	0.985	8.7	90	-0.02	4.75
21	t	3&4-Methylphenol	1.093	1.029	5.9	88	-0.02	4.85
22	t	n-Nitroso-di-n-propylamin	0.701	0.657	6.3	90	-0.02	4.85
23	t	Hexachloroethane	0.524	0.495	5.5	89	-0.02	4.92
24	I	Naphthalene-d8	1.000	1.000	0.0	88	-0.02	5.47
25	S	Nitrobenzene-d5	0.331	0.322	2.7	89	-0.02	4.95
26	t	Nitrobenzene	0.347	0.330	4.9	90	-0.02	4.97
27	t	Quinoline	0.775	0.643	17.0	84	-0.02	5.72
28	t	Isophorone	0.587	0.539	8.2	84	-0.02	5.14
29	t	2-Nitrophenol	0.197	0.202	-2.5	91	-0.02	5.20
30	t	2,4-Dimethylphenol	0.278	0.297	-6.8	87	-0.02	5.23
31	t	Benzoic acid	0.221	0.212	4.1	84	-0.02	5.31
32	t	bis(2-Chloroethoxy)methan	0.354	0.320	9.6	88	-0.02	5.30
33	t	2,4-Dichlorophenol	0.317	0.299	5.7	85	-0.02	5.38
34	t	2,6-Dichlorophenol	0.301	0.284	5.6	86	-0.02	5.53
35		1,3,5-Trichlorobenzene	0.416	0.351	15.6	86	-0.02	5.21
36	t	1,2,4-Trichlorobenzene	0.356	0.326	8.4	86	-0.02	5.43
37		1,2,3-Trichlorobenzene	0.375	0.315	16.0	86	-0.02	5.59
38	t	Naphthalene	1.038	0.965	7.0	88	-0.02	5.49
39	t	4-Chloroaniline	0.434	0.398	8.3	84	-0.02	5.53
40	t	2,3-Dichloroaniline	0.426	0.352	17.4	85	-0.02	6.19
41	t	Caprolactam	0.116	0.097	16.4	83	-0.02	5.78

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1394-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32513.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.188	0.174	7.4	87	-0.02	5.58
43	t	4-Chloro-3-methylphenol	0.296	0.276	6.8	86	-0.02	5.87
44	t	2-Methylnaphthalene	0.624	0.575	7.9	84	-0.02	5.98
45	t	1-Methylnaphthalene	0.686	0.572	16.6	85	-0.02	6.06
46	t	Dimethylnaphthalene	0.688	0.565	17.9	86	-0.03	6.46
47	I	Acenaphthene-d10	1.000	1.000	0.0	84	-0.03	6.84
48	t	Hexachlorocyclopentadiene	0.310	0.352	-13.5	93	-0.02	6.10
49	t	2,4,6-Trichlorophenol	0.368	0.359	2.4	85	-0.02	6.20
50	t	2,4,5-Trichlorophenol	0.411	0.381	7.3	84	-0.02	6.23
51	S	2-Fluorobiphenyl	1.273	1.191	6.4	85	-0.02	6.25
52	t	2-Chloronaphthalene	1.187	1.111	6.4	85	-0.03	6.35
53	t	Biphenyl	1.685	1.446	14.2	86	-0.02	6.33
54	t	2-Nitroaniline	0.283	0.287	-1.4	85	-0.02	6.44
55	t	Dimethylphthalate	1.280	1.142	10.8	82	-0.03	6.59
56	t	Acenaphthylene	1.910	1.773	7.2	83	-0.02	6.71
57	t	2,6-Dinitrotoluene	0.262	0.284	-8.4	89	-0.02	6.64
58	t	3-Nitroaniline	0.342	0.335	2.0	82	-0.02	6.79
59	t	Acenaphthene	1.159	1.092	5.8	86	-0.03	6.87
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	109.356	-9.4	100	-0.03	6.89
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.148	0.163	-10.1	90	-0.02	6.97
62	t	Dibenzofuran	1.636	1.488	9.0	82	-0.03	7.04
63	t	2,4-Dinitrotoluene	0.354	0.369	-4.2	83	-0.03	7.02
64		2,3,4,6-Tetrachlorophenol	0.294	0.286	2.7	81	-0.03	7.17
65	t	Diethylphthalate	1.294	1.188	8.2	82	-0.03	7.28
66	t	Fluorene	1.322	1.215	8.1	82	-0.03	7.40
67	t	4-Chlorophenyl-phenylethe	0.587	0.544	7.3	84	-0.03	7.40
68	t	4-Nitroaniline	0.347	0.336	3.2	81	-0.03	7.43
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	-0.03	8.64
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	53.307	-6.6	91	-0.03	7.46
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.531	0.496	6.6	83	-0.03	7.54
72	t	1,2-Diphenylhydrazine	0.701	0.658	6.1	81	-0.03	7.59
73	S	2,4,6-Tribromophenol	0.102	0.104	-2.0	84	-0.03	7.69
74	t	4-Bromophenyl-phenylether	0.208	0.198	4.8	83	-0.03	8.01
75	t	Hexachlorobenzene	0.237	0.226	4.6	83	-0.04	8.09
76	t	Pentachlorophenol	0.145	0.141	2.8	82	-0.03	8.38
77	t	Phenanthrene	1.137	1.065	6.3	83	-0.03	8.68
78	t	Anthracene	1.108	1.065	3.9	84	-0.04	8.75
79	t	Carbazole	1.232	1.041	15.5	81	-0.04	9.02
80	t	Di-n-butylphthalate	1.366	1.297	5.1	80	-0.04	9.72
81	t	Fluoranthene	1.248	1.171	6.2	80	-0.04	10.76
82	t	Octadecane	0.439	0.386	12.1	82	-0.03	8.56
83	I	Chrysene-d12	1.000	1.000	0.0	80	-0.05	13.82
84	t	Pyrene	1.326	1.255	5.4	80	-0.04	11.20
85	S	Terphenyl-d14	0.787	0.768	2.4	81	-0.04	11.63
86	t	Butylbenzylphthalate	0.620	0.600	3.2	80	-0.04	12.81
87	t	Benzo[a]anthracene	1.119	1.050	6.2	81	-0.04	13.81
88	t	3,3'-Dichlorobenzidine	0.402	0.390	3.0	78	-0.05	13.85
89	t	Chrysene	0.988	0.949	3.9	82	-0.05	13.88
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.782	1.4	79	-0.05	14.22

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1394-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32513.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

91	I	Perylene-d12	1.000	1.000	0.0	80	-0.05	16.85
92	t	Di-n-octylphthalate	1.576	1.568	0.5	78	-0.05	15.66
93	t	Benzo[b]fluoranthene	1.236	1.213	1.9	82	-0.05	16.11
94	t	Benzo[k]fluoranthene	1.189	1.177	1.0	80	-0.05	16.17
95	t	Benzo[a]pyrene	1.084	1.052	3.0	80	-0.05	16.73
96	t	Indeno[1,2,3-cd]pyrene	1.061	1.077	-1.5	81	-0.05	18.79
97	t	Dibenz(a,h)acridine	1.087	0.991	8.8	81	-0.05	18.43
98	t	Dibenz[a,h]anthracene	1.061	1.036	2.4	81	-0.05	18.86
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.550	-34.1#	79	-0.05	16.13
100	t	Benzo[g,h,i]perylene	1.086	1.070	1.5	81	-0.05	19.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Wed Jun 11 10:27:04 2014 RPT1

8.7.14

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1394-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32514.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1394\3p32514.D Vial: 3
Acq On : 10 Jun 2014 10:36 am Operator: samtap
Sample : cc1390-50 Inst : GC3P
Misc : op75312,e3p1394,1000,,,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 : 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	70	-0.02	4.55
102	Benzaldehyde	0.846	0.766	9.5	78	0.21	4.23
103 I	Acenaphthene-d10a	1.000	1.000	0.0	71	-0.03	6.84
105	Atrazine	0.153	0.144	5.9	64	-0.04	8.26
106	1,2,4,5-Tetrachlorobenzen	0.576	0.527	8.5	68	-0.02	6.11
107	Chrysene-d12a	1.000	1.000	0.0	66	-0.05	13.82
108	Benzidine	0.511	0.395	22.7#	61	-0.04	11.11
109 I	Naphthalene-d8a	1.000	1.000	0.0	71	-0.02	5.47
110 t	Hydroquinone	0.281	0.281	0.0	67	0.17	5.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Wed Jun 11 10:27:06 2014 RPT1

8.7.15

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1402-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32725.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1402\3p32725.D Vial: 2
Acq On : 15 Jun 2014 10:15 am Operator: elwiraa
Sample : cc1389-50 Inst : GC3P
Misc : op75312,e3p1402,1000,,,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 : 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	117	-0.05	4.52
2	t	1,4-Dioxane	0.599	0.508	15.2	114	-0.09	1.99
3	t	Pyridine	1.490	1.328	10.9	115	-0.07	2.34
4	t	N-Nitrosodimethylamine	0.540	0.551	-2.0	126	-0.07	2.30
5	S	2-Fluorophenol	1.323	1.334	-0.8	119	-0.04	3.54
6	t	Indene	2.321	2.026	12.7	120	-0.05	4.71
7	t	Cumene	3.535	3.052	13.7	113	-0.06	3.92
8	S	Phenol-d5	1.541	1.570	-1.9	120	-0.03	4.28
9	t	Phenol	1.720	1.699	1.2	120	-0.04	4.28
10		Aniline	1.719	1.460	15.1	105	-0.05	4.28
11	t	bis(2-Chloroethyl)ether	1.090	1.096	-0.6	123	-0.05	4.33
12	t	2-Chlorophenol	1.446	1.389	3.9	119	-0.05	4.37
13	t	Decane	0.999	1.022	-2.3	140	-0.05	4.41
14	t	1,3-Dichlorobenzene	1.657	1.515	8.6	114	-0.05	4.48
15	t	1,4-Dichlorobenzene	1.647	1.493	9.4	112	-0.05	4.53
16	t	Benzyl alcohol	0.795	0.792	0.4	120	-0.04	4.63
17	t	1,2-Dichlorobenzene	1.527	1.384	9.4	113	-0.05	4.64
18	t	Acetophenone	1.805	1.577	12.6	120	-0.05	4.82
19	t	2-Methylphenol	1.050	1.026	2.3	121	-0.04	4.72
20	t	2,2'-oxybis(1-Chloropropa	1.079	1.190	-10.3	141	-0.05	4.72
21	t	3&4-Methylphenol	1.093	1.079	1.3	121	-0.04	4.83
22	t	n-Nitroso-di-n-propylamin	0.701	0.688	1.9	123	-0.04	4.82
23	t	Hexachloroethane	0.524	0.469	10.5	109	-0.05	4.89
24	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.04	5.45
25	S	Nitrobenzene-d5	0.331	0.319	3.6	122	-0.04	4.93
26	t	Nitrobenzene	0.347	0.330	4.9	123	-0.05	4.94
27	t	Quinoline	0.775	0.668	13.8	121	-0.04	5.70
28	t	Isophorone	0.587	0.557	5.1	119	-0.04	5.11
29	t	2-Nitrophenol	0.197	0.212	-7.6	131	-0.04	5.17
30	t	2,4-Dimethylphenol	0.278	0.296	-6.5	120	-0.04	5.21
31	t	Benzoic acid	0.221	0.247	-11.8	135	-0.02	5.31
32	t	bis(2-Chloroethoxy)methan	0.354	0.351	0.8	132	-0.04	5.27
33	t	2,4-Dichlorophenol	0.317	0.294	7.3	116	-0.04	5.35
34	t	2,6-Dichlorophenol	0.301	0.280	7.0	117	-0.04	5.51
35		1,3,5-Trichlorobenzene	0.416	0.338	18.7	114	-0.05	5.18
36	t	1,2,4-Trichlorobenzene	0.356	0.314	11.8	114	-0.05	5.40
37		1,2,3-Trichlorobenzene	0.375	0.310	17.3	117	-0.05	5.56
38	t	Naphthalene	1.038	0.951	8.4	119	-0.04	5.46
39	t	4-Chloroaniline	0.434	0.389	10.4	113	-0.04	5.50
40	t	2,3-Dichloroaniline	0.426	0.360	15.5	120	-0.04	6.17
41	t	Caprolactam	0.116	0.108	6.9	128	-0.03	5.77

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1402-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32725.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.188	0.155	17.6	107	-0.05	5.55
43	t	4-Chloro-3-methylphenol	0.296	0.280	5.4	121	-0.03	5.86
44	t	2-Methylnaphthalene	0.624	0.582	6.7	118	-0.05	5.95
45	t	1-Methylnaphthalene	0.686	0.580	15.5	119	-0.04	6.03
46	t	Dimethylnaphthalene	0.688	0.596	13.4	124	-0.05	6.44
47	I	Acenaphthene-d10	1.000	1.000	0.0	121	-0.05	6.81
48	t	Hexachlorocyclopentadiene	0.310	0.303	2.3	115	-0.05	6.08
49	t	2,4,6-Trichlorophenol	0.368	0.362	1.6	123	-0.04	6.17
50	t	2,4,5-Trichlorophenol	0.411	0.384	6.6	122	-0.04	6.21
51	S	2-Fluorobiphenyl	1.273	1.144	10.1	118	-0.04	6.23
52	t	2-Chloronaphthalene	1.187	1.108	6.7	121	-0.05	6.33
53	t	Biphenyl	1.685	1.420	15.7	121	-0.04	6.31
54	t	2-Nitroaniline	0.283	0.308	-8.8	131	-0.04	6.41
55	t	Dimethylphthalate	1.280	1.178	8.0	122	-0.05	6.56
56	t	Acenaphthylene	1.910	1.779	6.9	119	-0.05	6.68
57	t	2,6-Dinitrotoluene	0.262	0.292	-11.5	131	-0.04	6.62
58	t	3-Nitroaniline	0.342	0.358	-4.7	127	-0.04	6.77
59	t	Acenaphthene	1.159	1.088	6.1	123	-0.05	6.84
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	109.604	-9.6	143	-0.04	6.87
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.148	0.157	-6.1	124	-0.03	6.95
62	t	Dibenzofuran	1.636	1.504	8.1	119	-0.05	7.01
63	t	2,4-Dinitrotoluene	0.354	0.415	-17.2	133	-0.05	7.00
64		2,3,4,6-Tetrachlorophenol	0.294	0.301	-2.4	122	-0.05	7.15
65	t	Diethylphthalate	1.294	1.267	2.1	126	-0.05	7.25
66	t	Fluorene	1.322	1.268	4.1	123	-0.05	7.38
67	t	4-Chlorophenyl-phenylethe	0.587	0.552	6.0	122	-0.06	7.37
68	t	4-Nitroaniline	0.347	0.352	-1.4	122	-0.05	7.41
69	I	Phenanthrene-d10	1.000	1.000	0.0	123	-0.06	8.61
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	54.472	-8.9	140	-0.04	7.45
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.531	0.508	4.3	126	-0.05	7.52
72	t	1,2-Diphenylhydrazine	0.701	0.679	3.1	125	-0.06	7.56
73	S	2,4,6-Tribromophenol	0.102	0.102	0.0	123	-0.06	7.66
74	t	4-Bromophenyl-phenylether	0.208	0.195	6.2	123	-0.06	7.98
75	t	Hexachlorobenzene	0.237	0.222	6.3	122	-0.06	8.07
76	t	Pentachlorophenol	0.145	0.122	15.9	105	-0.05	8.36
77	t	Phenanthrene	1.137	1.061	6.7	123	-0.06	8.64
78	t	Anthracene	1.108	1.046	5.6	123	-0.06	8.73
79	t	Carbazole	1.232	1.073	12.9	125	-0.06	9.00
80	t	Di-n-butylphthalate	1.366	1.403	-2.7	129	-0.07	9.68
81	t	Fluoranthene	1.248	1.230	1.4	125	-0.07	10.74
82	t	Octadecane	0.439	0.448	-2.1	142	-0.07	8.52
83	I	Chrysene-d12	1.000	1.000	0.0	122	-0.06	13.81
84	t	Pyrene	1.326	1.305	1.6	127	-0.07	11.17
85	S	Terphenyl-d14	0.787	0.797	-1.3	127	-0.07	11.60
86	t	Butylbenzylphthalate	0.620	0.666	-7.4	135	-0.08	12.77
87	t	Benzo[a]anthracene	1.119	1.101	1.6	129	-0.06	13.78
88	t	3,3'-Dichlorobenzidine	0.402	0.414	-3.0	126	-0.07	13.83
89	t	Chrysene	0.988	0.949	3.9	125	-0.07	13.86
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.886	-11.7	136	-0.09	14.18

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1402-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32725.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

91	I	Perylene-d12	1.000	1.000	0.0	123	-0.06	16.84
92	t	Di-n-octylphthalate	1.576	1.821	-15.5	139	-0.09	15.62
93	t	Benzo[b]fluoranthene	1.236	1.254	-1.5	130	-0.06	16.09
94	t	Benzo[k]fluoranthene	1.189	1.145	3.7	120	-0.06	16.16
95	t	Benzo[a]pyrene	1.084	1.068	1.5	125	-0.06	16.72
96	t	Indeno[1,2,3-cd]pyrene	1.061	1.030	2.9	119	-0.06	18.79
97	t	Dibenz(a,h)acridine	1.087	0.962	11.5	121	-0.06	18.42
98	t	Dibenz[a,h]anthracene	1.061	0.985	7.2	118	-0.06	18.84
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.553	-34.9#	122	-0.07	16.12
100	t	Benzo[g,h,i]perylene	1.086	1.002	7.7	117	-0.05	19.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Mon Jun 16 09:41:10 2014 RPT1

8.7.16

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1402-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32726.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1402\3p32726.D Vial: 3
Acq On : 15 Jun 2014 11:01 am Operator: elwiraa
Sample : cc1390-50 Inst : GC3P
Misc : op75312,e3p1402,1000,,,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 : 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	60	-0.05	4.52
102	Benzaldehyde	0.846	0.813	3.9	71	0.17	4.19
103 I	Acenaphthene-d10a	1.000	1.000	0.0	67	-0.05	6.81
104	Atrazine	0.153	0.149	2.6	63	-0.07	8.23
105	1,2,4,5-Tetrachlorobenzen	0.576	0.485	15.8	59	-0.05	6.08
106	Chrysene-d12a	1.000	1.000	0.0	67	-0.08	13.79
107	Benzidine	0.511	0.408	20.2#	63	-0.07	11.07
108 I	Naphthalene-d8a	1.000	1.000	0.0	65	-0.05	5.44
109 t	Hydroquinone	0.281	0.319	-13.5	69	0.16	5.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Mon Jun 16 09:41:12 2014 RPT1

8.7.17

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1403-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1403\3p32752.D Vial: 2
Acq On : 16 Jun 2014 9:52 am Operator: samtap
Sample : cc1389-25 Inst : GC3P
Misc : op75312,e3p1403,,,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 : 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	103	-0.04	4.53
2	t	1,4-Dioxane	0.599	0.501	16.4	97	-0.06	2.02
3	t	Pyridine	1.490	1.294	13.2	100	-0.04	2.37
4	t	N-Nitrosodimethylamine	0.540	0.551	-2.0	114	-0.04	2.33
5	S	2-Fluorophenol	1.323	1.273	3.8	100	-0.02	3.56
6	t	Indene	2.321	2.185	5.9	107	-0.04	4.71
7	t	Cumene	3.535	3.184	9.9	102	-0.05	3.93
8	S	Phenol-d5	1.541	1.521	1.3	102	-0.02	4.29
9	t	Phenol	1.720	1.765	-2.6	107	-0.02	4.30
10		Aniline	1.719	1.567	8.8	91	-0.04	4.29
11	t	bis(2-Chloroethyl)ether	1.090	1.128	-3.5	110	-0.04	4.33
12	t	2-Chlorophenol	1.446	1.416	2.1	105	-0.04	4.38
13	t	Decane	0.999	1.091	-9.2	124	-0.05	4.41
14	t	1,3-Dichlorobenzene	1.657	1.638	1.1	101	-0.04	4.48
15	t	1,4-Dichlorobenzene	1.647	1.642	0.3	104	-0.04	4.54
16	t	Benzyl alcohol	0.795	0.797	-0.3	101	-0.04	4.63
17	t	1,2-Dichlorobenzene	1.527	1.530	-0.2	104	-0.04	4.65
18	t	Acetophenone	1.805	1.687	6.5	108	-0.04	4.82
19	t	2-Methylphenol	1.050	1.090	-3.8	108	-0.03	4.73
20	t	2,2'-oxybis(1-Chloropropa	1.079	1.303	-20.8#	127	-0.05	4.72
21	t	3&4-Methylphenol	1.093	1.182	-8.1	113	-0.03	4.84
22	t	n-Nitroso-di-n-propylamin	0.701	0.720	-2.7	109	-0.04	4.82
23	t	Hexachloroethane	0.524	0.508	3.1	100	-0.05	4.90
24	I	Naphthalene-d8	1.000	1.000	0.0	106	-0.04	5.45
25	S	Nitrobenzene-d5	0.331	0.326	1.5	105	-0.04	4.93
26	t	Nitrobenzene	0.347	0.343	1.2	105	-0.04	4.94
27	t	Quinoline	0.775	0.688	11.2	105	-0.04	5.70
28	t	Isophorone	0.587	0.567	3.4	104	-0.04	5.11
29	t	2-Nitrophenol	0.197	0.216	-9.6	115	-0.04	5.18
30	t	2,4-Dimethylphenol	0.278	0.284	-2.2	99	-0.03	5.22
31	t	Benzoic acid	0.221	0.198	10.4	103	-0.01	5.32
32	t	bis(2-Chloroethoxy)methan	0.354	0.355	-0.3	110	-0.04	5.27
33	t	2,4-Dichlorophenol	0.317	0.310	2.2	106	-0.03	5.36
34	t	2,6-Dichlorophenol	0.301	0.302	-0.3	108	-0.04	5.52
35		1,3,5-Trichlorobenzene	0.416	0.363	12.7	103	-0.04	5.18
36	t	1,2,4-Trichlorobenzene	0.356	0.336	5.6	103	-0.04	5.41
37		1,2,3-Trichlorobenzene	0.375	0.325	13.3	103	-0.04	5.57
38	t	Naphthalene	1.038	0.996	4.0	104	-0.04	5.46
39	t	4-Chloroaniline	0.434	0.421	3.0	101	-0.04	5.51
40	t	2,3-Dichloroaniline	0.426	0.372	12.7	104	-0.04	6.17
41	t	Caprolactam	0.116	0.107	7.8	107	-0.04	5.76

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1403-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.188	0.167	11.2	96	-0.05	5.55
43	t	4-Chloro-3-methylphenol	0.296	0.286	3.4	107	-0.02	5.87
44	t	2-Methylnaphthalene	0.624	0.610	2.2	107	-0.04	5.96
45	t	1-Methylnaphthalene	0.686	0.611	10.9	105	-0.04	6.03
46	t	Dimethylnaphthalene	0.688	0.607	11.8	104	-0.05	6.44
47	I	Acenaphthene-d10	1.000	1.000	0.0	103	-0.05	6.82
48	t	Hexachlorocyclopentadiene	0.310	0.268	13.5	88	-0.05	6.08
49	t	2,4,6-Trichlorophenol	0.368	0.364	1.1	102	-0.04	6.18
50	t	2,4,5-Trichlorophenol	0.411	0.389	5.4	103	-0.03	6.22
51	S	2-Fluorobiphenyl	1.273	1.256	1.3	103	-0.04	6.23
52	t	2-Chloronaphthalene	1.187	1.172	1.3	104	-0.04	6.33
53	t	Biphenyl	1.685	1.501	10.9	102	-0.04	6.31
54	t	2-Nitroaniline	0.283	0.329	-16.3	120	-0.04	6.42
55	t	Dimethylphthalate	1.280	1.198	6.4	102	-0.05	6.56
56	t	Acenaphthylene	1.910	1.892	0.9	105	-0.04	6.69
57	t	2,6-Dinitrotoluene	0.262	0.299	-14.1	114	-0.04	6.62
58	t	3-Nitroaniline	0.342	0.362	-5.8	107	-0.04	6.78
59	t	Acenaphthene	1.159	1.154	0.4	105	-0.05	6.85
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	64.477	-29.0#	153	-0.03	6.89
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.148	0.151	-2.0	104	0.00	6.99
62	t	Dibenzofuran	1.636	1.626	0.6	106	-0.05	7.01
63	t	2,4-Dinitrotoluene	0.354	0.411	-16.1	113	-0.04	7.01
64		2,3,4,6-Tetrachlorophenol	0.294	0.278	5.4	98	-0.04	7.16
65	t	Diethylphthalate	1.294	1.259	2.7	104	-0.06	7.25
66	t	Fluorene	1.322	1.323	-0.1	106	-0.05	7.38
67	t	4-Chlorophenyl-phenylethe	0.587	0.577	1.7	104	-0.05	7.38
68	t	4-Nitroaniline	0.347	0.355	-2.3	100	-0.04	7.41
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	-0.05	8.62
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	25.000	30.631	-22.5#	141	-0.03	7.46
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.531	0.516	2.8	105	-0.05	7.52
72	t	1,2-Diphenylhydrazine	0.701	0.711	-1.4	107	-0.06	7.56
73	S	2,4,6-Tribromophenol	0.102	0.101	1.0	103	-0.05	7.67
74	t	4-Bromophenyl-phenylether	0.208	0.197	5.3	102	-0.06	7.98
75	t	Hexachlorobenzene	0.237	0.222	6.3	100	-0.05	8.08
76	t	Pentachlorophenol	0.145	0.119	17.9	93	-0.04	8.37
77	t	Phenanthrene	1.137	1.102	3.1	104	-0.05	8.66
78	t	Anthracene	1.108	1.123	-1.4	105	-0.05	8.74
79	t	Carbazole	1.232	1.119	9.2	105	-0.05	9.01
80	t	Di-n-butylphthalate	1.366	1.363	0.2	106	-0.07	9.69
81	t	Fluoranthene	1.248	1.229	1.5	105	-0.05	10.75
82	t	Octadecane	0.439	0.464	-5.7	121	-0.07	8.52
83	I	Chrysene-d12	1.000	1.000	0.0	98	-0.04	13.83
84	t	Pyrene	1.326	1.354	-2.1	102	-0.05	11.19
85	S	Terphenyl-d14	0.787	0.825	-4.8	103	-0.06	11.62
86	t	Butylbenzylphthalate	0.620	0.661	-6.6	105	-0.07	12.78
87	t	Benzo[a]anthracene	1.119	1.120	-0.1	102	-0.04	13.81
88	t	3,3'-Dichlorobenzidine	0.402	0.413	-2.7	98	-0.05	13.85
89	t	Chrysene	0.988	0.979	0.9	97	-0.05	13.88
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.839	-5.8	102	-0.07	14.20

8.7.18

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1403-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

91	I	Perylene-d12	1.000	1.000	0.0	84	-0.03	16.88
92	t	Di-n-octylphthalate	1.576	1.925	-22.1#	100	-0.07	15.64
93	t	Benzo[b]fluoranthene	1.236	1.342	-8.6	89	-0.03	16.12
94	t	Benzo[k]fluoranthene	1.189	1.210	-1.8	85	-0.04	16.18
95	t	Benzo[a]pyrene	1.084	1.125	-3.8	87	-0.03	16.75
96	t	Indeno[1,2,3-cd]pyrene	1.061	0.999	5.8	78	-0.02	18.82
97	t	Dibenz(a,h)acridine	1.087	0.926	14.8	78	-0.03	18.46
98	t	Dibenz[a,h]anthracene	1.061	0.957	9.8	75	-0.03	18.88
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.544	-32.7#	86	-0.05	16.13
100	t	Benzo[g,h,i]perylene	1.086	0.977	10.0	77	-0.02	19.25

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32446.D M3P1389.M Mon Jun 16 14:47:01 2014 RPT1

8.7.18

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** E3P1403-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32753.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1403\3p32753.D Vial: 3
Acq On : 16 Jun 2014 10:18 am Operator: samtap
Sample : cc1390-25 Inst : GC3P
Misc : op75312,e3p1403,1000,,,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 : 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	72	-0.04	4.53
102		Benzaldehyde	0.846	0.790	6.6	66	0.18	4.20
103	I	Acenaphthene-d10a	1.000	1.000	0.0	79	-0.05	6.82
104		Atrazine	0.153	0.148	3.3	72	-0.06	8.23
105		1,2,4,5-Tetrachlorobenzen	0.576	0.516	10.4	71	-0.04	6.09
106		Chrysene-d12a	1.000	1.000	0.0	76	-0.05	13.82
107		Benzidine	0.511	0.347	32.1#	51	-0.05	11.09
108	I	Naphthalene-d8a	1.000	1.000	0.0	78	-0.04	5.45
109	t	Hydroquinone	0.281	0.307	-9.3	84	0.18	5.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32446.D M3P1389.M Mon Jun 16 14:49:16 2014 RPT1

8.7.19

8

Initial Calibration Summary

Job Number: JB68458 **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: JB68458 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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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
```

Initial Calibration Summary

Job Number: JB68458 **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
```

8.7.20

8

Initial Calibration Summary

Job Number: JB68458 **Sample:** EZ4571-ICC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91853.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 11:48:33 2014
Response via : Initial Calibration

Calibration Files
100 =z91851.D 80 =z91852.D 50 =z91853.D 25 =z91924.D
10 =z91855.D 5 =z91856.D 2 =z91857.D 1 =z91858.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	0.778	0.833	0.970	1.027	1.132	0.950	0.987	0.835	0.939	12.47
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.077	0.080	0.102	0.099	0.094	0.063	0.053		0.081	22.93
----- Quadratic regression ----- Coefficient = 0.9965										
Response Ratio = -0.00563 + 0.12373 *A + -0.01841 *A^2										
106) o-terphenyl	0.407	0.431	0.568	0.591	0.606	0.497	0.504	0.440	0.506	15.13
107) Chrysene-d12a	ISTD									
108) Benzidine	0.267	0.306	0.381	0.504	0.631	0.375			0.411	32.91
109) 1-chloroocta	0.258	0.272	0.344	0.333	0.313	0.215			0.289	17.16
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.370	0.390	0.520	0.536	0.567	0.479	0.511	0.490	0.483	14.33
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.280	0.291	0.320	0.323	0.289				0.301	6.53

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

MZ4569eph.M Fri May 30 11:49:01 2014 RTE

8.7.21

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.22
8

Initial Calibration Verification

Job Number: JB68458 **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: JB68458 **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

8.7.23

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.24
8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.25

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.26

8

Initial Calibration Verification

Job Number: JB68458 **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
```

Initial Calibration Verification

Job Number: JB68458 **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

8.7.28

8

Initial Calibration Verification

Job Number: JB68458 **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

8.7.29

8

Initial Calibration Verification

Job Number: JB68458 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91865.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4571\z91865.D           Vial: 16
  Acq On    : 27 May 2014   5:25 pm                  Operator: ashleyv
  Sample    : ICV4569-50, hq                         Inst    : MSZ
  Misc      : op73791,ez4571                         Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Wed May 28 10:28:35 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	112	0.00	5.13
113	Hydroquinone	0.301	0.372	-23.6	131	0.00	5.64

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z91853.D   MZ4569.M         Wed May 28 12:22:56 2014   RTE
```

Initial Calibration Verification

Job Number: JB68458 **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

8.7.31

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4590-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92314.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4590\z92314.D Vial: 2
Acq On : 9 Jun 2014 10:24 pm Operator: ashleyd
Sample : cc4569-50 Inst : MSZ
Misc : op73791,ez4590 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Jun 10 14:36:56 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	-0.02	3.61
2		1,4-Dioxane	0.685	0.547	20.1#	122	-0.02	1.61
3	t	Pyridine	1.774	1.471	17.1	124	-0.02	1.78
4	t	N-Nitrosodimethylamine	0.959	0.865	9.8	125	-0.02	1.75
5	S	2-Fluorophenol	1.367	1.357	0.7	132	0.00	2.55
6	t	Indene	2.709	2.425	10.5	137	-0.02	3.86
7	t	Cumene	3.831	3.465	9.6	137	-0.02	2.91
8	S	Phenol-d5	1.722	1.640	4.8	128	0.00	3.31
9	t	Phenol	1.932	1.885	2.4	136	0.00	3.32
10	t	Aniline	2.099	1.662	20.8#	113	-0.02	3.31
11	t	bis(2-Chloroethyl)ether	1.354	1.283	5.2	134	-0.02	3.35
12	t	2-Chlorophenol	1.540	1.482	3.8	133	-0.01	3.43
13	t	Decane	1.832	1.565	14.6	130	-0.02	3.45
14	t	1,3-Dichlorobenzene	1.659	1.597	3.7	133	-0.02	3.56
15	t	1,4-Dichlorobenzene	1.699	1.621	4.6	132	-0.02	3.63
16	t	Benzyl alcohol	0.928	0.942	-1.5	134	-0.01	3.76
17	t	1,2-Dichlorobenzene	1.593	1.504	5.6	132	-0.02	3.78
18	t	Acetophenone	2.214	1.971	11.0	137	-0.02	4.01
19	t	2-Methylphenol	1.297	1.270	2.1	136	0.00	3.89
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.427	4.5	135	-0.02	3.88
21	t	3&4-Methylphenol	1.392	1.382	0.7	137	0.00	4.05
22	t	n-Nitroso-di-n-propylamin	0.976	0.993	-1.7	142	-0.01	4.02
23	t	Hexachloroethane	0.525	0.537	-2.3	141	-0.02	4.12
24	I	Naphthalene-d8	1.000	1.000	0.0	134	-0.02	4.95
25	S	Nitrobenzene-d5	0.352	0.386	-9.7	146	-0.02	4.17
26	t	Nitrobenzene	0.390	0.406	-4.1	141	-0.02	4.19
27	t	Quinoline	0.801	0.743	7.2	136	-0.02	5.36
28	t	Isophorone	0.644	0.674	-4.7	137	-0.02	4.44
29	t	2-Nitrophenol	0.182	0.202	-11.0	139	-0.02	4.53
30	t	2,4-Dimethylphenol	0.304	0.350	-15.1	141	-0.01	4.61
31		Benzoic Acid	0.170	0.233	-37.1#	137	0.00	4.80
32	t	bis(2-Chloroethoxy)methan	0.391	0.379	3.1	133	-0.02	4.69
33	t	2,4-Dichlorophenol	0.279	0.292	-4.7	136	0.00	4.82
34		2,6-Dichlorophenol	0.274	0.277	-1.1	137	-0.02	5.06
35	t	1,3,5-Trichlorobenzene	0.389	0.343	11.8	134	-0.02	4.54
36	t	1,2,4-Trichlorobenzene	0.332	0.328	1.2	135	-0.02	4.89
37	t	1,2,3-Trichlorobenzene	0.368	0.326	11.4	136	-0.02	5.14
38	t	Naphthalene	1.116	1.051	5.8	133	-0.02	4.97
39	t	4-Chloroaniline	0.440	0.411	6.6	127	-0.01	5.06
40	t	2,3-Dichloroaniline	0.382	0.356	6.8	140	-0.02	6.11
41	t	Caprolactam	0.186	0.192	-3.2	144	-0.02	5.47

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4590-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92314.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.187	-3.9	145	-0.02	5.12
43	t	4-Chloro-3-methylphenol	0.296	0.332	-12.2	143	0.00	5.68
44	t	2-Methylnaphthalene	0.606	0.601	0.8	137	-0.02	5.77
45	t	1-Methylnaphthalene	0.668	0.598	10.5	135	-0.02	5.88
46	t	Dimethylnaphthalene	0.676	0.622	8.0	135	-0.02	6.51
47	I	Acenaphthene-d10	1.000	1.000	0.0	135	-0.02	7.00
48	t	Hexachlorocyclopentadiene	0.316	0.345	-9.2	137	-0.02	5.96
49	t	2,4,6-Trichlorophenol	0.347	0.379	-9.2	144	-0.01	6.13
50	t	2,4,5-Trichlorophenol	0.368	0.404	-9.8	142	0.00	6.19
51	S	2-Fluorobiphenyl	1.268	1.220	3.8	136	-0.02	6.21
52	t	2-Chloronaphthalene	1.190	1.162	2.4	136	-0.02	6.34
53	t	Biphenyl	1.692	1.508	10.9	136	-0.02	6.33
54	t	2-Nitroaniline	0.326	0.419	-28.5#	158	-0.01	6.49
55	t	Dimethylphthalate	1.271	1.281	-0.8	139	-0.02	6.71
56	t	Acenaphthylene	1.869	1.891	-1.2	135	-0.02	6.83
57	t	2,6-Dinitrotoluene	0.260	0.312	-20.0	143	-0.01	6.78
58	t	3-Nitroaniline	0.329	0.358	-8.8	133	-0.01	6.99
59	t	Acenaphthene	1.183	1.137	3.9	135	-0.02	7.04
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	100.799	-0.8	146	-0.01	7.11
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.149	0.209	-40.3#	178	0.01	7.28
62	t	Dibenzofuran	1.641	1.614	1.6	139	-0.02	7.25
63	t	2,4-Dinitrotoluene	0.355	0.436	-22.8#	149	-0.02	7.26
64		2,3,4,6-Tetrachlorophenol	0.298	0.331	-11.1	142	-0.01	7.42
65	t	Diethylphthalate	1.237	1.352	-9.3	147	-0.02	7.56
66	t	Fluorene	1.283	1.289	-0.5	139	-0.02	7.66
67	t	4-Chlorophenyl-phenylethe	0.601	0.592	1.5	139	-0.02	7.67
68	t	4-Nitroaniline	0.330	0.373	-13.0	138	0.00	7.74
69	I	Phenanthrene-d10	1.000	1.000	0.0	138	-0.02	8.79
70	t	4,6-Dinitro-2-methylpheno	0.128	0.143	-11.7	146	-0.01	7.76
71	t	n-Nitrosodiphenylamine	0.507	0.518	-2.2	139	-0.01	7.83
72	t	1,2-Diphenylhydrazine	0.788	0.837	-6.2	141	-0.02	7.86
73	S	2,4,6-Tribromophenol	0.098	0.120	-22.4#	149	-0.01	7.96
74	t	4-Bromophenyl-phenylether	0.205	0.210	-2.4	142	-0.02	8.26
75	t	Hexachlorobenzene	0.245	0.252	-2.9	144	-0.02	8.33
76	t	Pentachlorophenol	0.125	0.143	-14.4	141	-0.01	8.59
77	t	Phenanthrene	1.163	1.128	3.0	137	-0.01	8.82
78	t	Anthracene	1.128	1.136	-0.7	139	-0.02	8.88
79	t	Carbazole	1.168	1.063	9.0	138	-0.02	9.12
80	t	Di-n-butylphthalate	1.147	1.324	-15.4	146	-0.02	9.61
81	t	Fluoranthene	1.133	1.186	-4.7	141	-0.02	10.40
82	t	Octadecane	0.549	0.544	0.9	138	-0.02	8.72
83	I	Chrysene-d12	1.000	1.000	0.0	136	-0.02	12.51
84	t	Pyrene	1.220	1.265	-3.7	137	-0.02	10.71
85		Butyl stearate	0.329	0.409	-24.3#	143	-0.02	11.88
86	S	Terphenyl-d14	0.804	0.859	-6.8	140	-0.02	10.98
87	t	Butylbenzylphthalate	0.492	0.609	-23.8#	151	-0.02	11.74
88	t	Benzo[a]anthracene	1.100	1.169	-6.3	141	-0.02	12.49
89	t	3,3'-Dichlorobenzidine	0.362	0.434	-19.9	142	-0.02	12.50
90	t	Chrysene	1.092	1.065	2.5	132	-0.02	12.55
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.842	-26.0#	153	-0.02	12.64
92	I	Perylene-d12	1.000	1.000	0.0	133	-0.02	14.55

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4590-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92314.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	57.856	-15.7	158	-0.02	13.60

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.312	-10.1	141	-0.01	14.05
95	t	Benzo[k]fluoranthene	1.231	1.182	4.0	128	-0.01	14.09
96	t	Benzo[a]pyrene	1.059	1.117	-5.5	135	-0.02	14.48
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.174	-15.0	142	-0.02	15.98
98	t	Dibenz(a,h)acridine	0.995	1.013	-1.8	137	-0.02	15.66
99	t	Dibenz[a,h]anthracene	1.077	1.144	-6.2	134	-0.02	16.01
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.580	-25.0#	136	-0.02	14.05
101	t	Benzo[g,h,i]perylene	1.064	1.100	-3.4	135	-0.02	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92262.D MZ4569.M Wed Jun 11 15:54:23 2014 RTE

8.7.32

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4590-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92315.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4590\z92315.D Vial: 3
Acq On : 9 Jun 2014 10:49 pm Operator: ashleyd
Sample : cc4571-50 Inst : MSZ
Misc : op73791,ez4590 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Sun Jun 15 13:03:48 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	86	0.07	3.61
103	Benzaldehyde	0.939	0.897	4.5	80	0.06	3.21
104	Phenanthrene-d10a	1.000	1.000	0.0	91	0.08	8.79
	----------	True	Calc.	% Drift	----------		
105	Atrazine	50.000	62.692	-25.4#	102	0.09	8.50
	----------	AvgRF	CCRF	% Dev	----------		
106	Chrysene-d12a	1.000	1.000	0.0	94	0.08	12.49
107	Benzidine	0.411	0.453	-10.2	112	0.09	10.62
108	Acenaphthene-d10a	1.000	1.000	0.0	89	0.08	7.00
109	1,2,4,5-Tetrachlorobenzen	0.483	0.547	-13.3	93	-0.11	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92262.D MZ4569.M Mon Jun 16 08:12:42 2014 RTE

Initial Calibration Summary

Job Number: JB68458 **Sample:** EZ4596-ICC4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92461.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Calibration Files
100 =z92459.D 80 =z92460.D 50 =z92461.D 25 =z92462.D
10 =z92463.D 5 =z92464.D 2 =z92465.D 1 =z92466.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
112) I 1,4-Dichlorobenzene-d	ISTD									
113) Benzenethiol	1.804	1.839	1.790	1.738	1.693	1.618	2.000	1.453	1.742	9.29
114) Chrysene-d12b	ISTD									
115) Methyl Chrys	0.815	0.814	0.796	0.775	0.728	0.674	0.859	0.560	0.753	12.82

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

MZ4569sknr.M Thu Jun 12 22:25:02 2014 RTE

8.7.34

8

Initial Calibration Verification

Job Number: JB68458 **Sample:** EZ4596-ICV4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92467.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4596\z92467.D Vial: 10
Acq On : 12 Jun 2014 8:39 pm Operator: olgaa
Sample : icv4596-50 Inst : MSZ
Misc : op73791,ez4596, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 12 22:18:41 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	116	0.00	3.56
113	Benzenethiol	1.742	1.349	22.6	87	0.00	3.20
114	Chrysene-d12b	1.000	1.000	0.0	94	0.00	12.42
115	Methyl Chrysene	0.753	0.770	-2.3	91	0.00	13.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92461.D MZ4569sknr.M Thu Jun 12 22:23:33 2014 RTE

8.7.35

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4597-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92469.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4597\z92469.D Vial: 2
Acq On : 12 Jun 2014 10:32 pm Operator: olgaa
Sample : cc4569-50 Inst : MSZ
Misc : op73791,ez4597, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Jun 10 14:36:56 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	-0.06	3.56
2		1,4-Dioxane	0.685	0.582	15.0	118	-0.05	1.57
3	t	Pyridine	1.774	1.589	10.4	122	-0.06	1.73
4	t	N-Nitrosodimethylamine	0.959	0.942	1.8	124	-0.06	1.71
5	S	2-Fluorophenol	1.367	1.378	-0.8	123	-0.06	2.49
6	t	Indene	2.709	2.456	9.3	127	-0.07	3.81
7	t	Cumene	3.831	3.576	6.7	129	-0.06	2.86
8	S	Phenol-d5	1.722	1.733	-0.6	124	-0.06	3.25
9	t	Phenol	1.932	1.905	1.4	125	-0.06	3.26
10	t	Aniline	2.099	1.641	21.8#	102	-0.06	3.26
11	t	bis(2-Chloroethyl)ether	1.354	1.327	2.0	127	-0.06	3.31
12	t	2-Chlorophenol	1.540	1.489	3.3	122	-0.06	3.38
13	t	Decane	1.832	1.734	5.3	132	-0.06	3.40
14	t	1,3-Dichlorobenzene	1.659	1.604	3.3	122	-0.07	3.51
15	t	1,4-Dichlorobenzene	1.699	1.636	3.7	122	-0.06	3.58
16	t	Benzyl alcohol	0.928	0.943	-1.6	122	-0.06	3.71
17	t	1,2-Dichlorobenzene	1.593	1.516	4.8	121	-0.07	3.73
18	t	Acetophenone	2.214	2.032	8.2	129	-0.07	3.96
19	t	2-Methylphenol	1.297	1.247	3.9	122	-0.06	3.83
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.428	4.3	123	-0.06	3.83
21	t	3&4-Methylphenol	1.392	1.382	0.7	125	-0.06	3.99
22	t	n-Nitroso-di-n-propylamin	0.976	1.041	-6.7	136	-0.06	3.97
23	t	Hexachloroethane	0.525	0.537	-2.3	129	-0.07	4.06
24	I	Naphthalene-d8	1.000	1.000	0.0	126	-0.07	4.89
25	S	Nitrobenzene-d5	0.352	0.394	-11.9	141	-0.06	4.12
26	t	Nitrobenzene	0.390	0.411	-5.4	135	-0.06	4.14
27	t	Quinoline	0.801	0.714	10.9	124	-0.07	5.31
28	t	Isophorone	0.644	0.682	-5.9	130	-0.07	4.39
29	t	2-Nitrophenol	0.182	0.195	-7.1	126	-0.07	4.48
30	t	2,4-Dimethylphenol	0.304	0.347	-14.1	132	-0.07	4.56
31		Benzoic Acid	0.170	0.281	-65.3#	156	-0.05	4.75
32	t	bis(2-Chloroethoxy)methan	0.391	0.375	4.1	124	-0.06	4.64
33	t	2,4-Dichlorophenol	0.279	0.283	-1.4	124	-0.07	4.76
34		2,6-Dichlorophenol	0.274	0.269	1.8	125	-0.07	5.01
35	t	1,3,5-Trichlorobenzene	0.389	0.336	13.6	123	-0.07	4.49
36	t	1,2,4-Trichlorobenzene	0.332	0.319	3.9	123	-0.07	4.83
37	t	1,2,3-Trichlorobenzene	0.368	0.317	13.9	125	-0.07	5.08
38	t	Naphthalene	1.116	1.036	7.2	124	-0.07	4.92
39	t	4-Chloroaniline	0.440	0.393	10.7	114	-0.06	5.00
40	t	2,3-Dichloroaniline	0.382	0.343	10.2	128	-0.07	6.06
41	t	Caprolactam	0.186	0.150	19.4	106	-0.09	5.40

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4597-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92469.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.184	-2.2	135	-0.07	5.07
43	t	4-Chloro-3-methylphenol	0.296	0.325	-9.8	132	-0.07	5.61
44	t	2-Methylnaphthalene	0.606	0.580	4.3	124	-0.07	5.71
45	t	1-Methylnaphthalene	0.668	0.586	12.3	125	-0.07	5.83
46	t	Dimethylnaphthalene	0.676	0.615	9.0	126	-0.07	6.45
47	I	Acenaphthene-d10	1.000	1.000	0.0	126	-0.07	6.94
48	t	Hexachlorocyclopentadiene	0.316	0.339	-7.3	125	-0.07	5.91
49	t	2,4,6-Trichlorophenol	0.347	0.368	-6.1	130	-0.07	6.07
50	t	2,4,5-Trichlorophenol	0.368	0.392	-6.5	129	-0.07	6.13
51	S	2-Fluorobiphenyl	1.268	1.216	4.1	126	-0.07	6.16
52	t	2-Chloronaphthalene	1.190	1.164	2.2	127	-0.07	6.29
53	t	Biphenyl	1.692	1.515	10.5	127	-0.07	6.27
54	t	2-Nitroaniline	0.326	0.428	-31.3#	150	-0.07	6.44
55	t	Dimethylphthalate	1.271	1.286	-1.2	130	-0.07	6.66
56	t	Acenaphthylene	1.869	1.888	-1.0	126	-0.07	6.77
57	t	2,6-Dinitrotoluene	0.260	0.309	-18.8	132	-0.07	6.72
58	t	3-Nitroaniline	0.329	0.360	-9.4	124	-0.07	6.93
59	t	Acenaphthene	1.183	1.143	3.4	127	-0.07	6.98
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	106.885	-6.9	145	-0.07	7.06
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.218	-46.3#	173	-0.06	7.21
62	t	Dibenzofuran	1.641	1.611	1.8	129	-0.07	7.19
63	t	2,4-Dinitrotoluene	0.355	0.424	-19.4	135	-0.07	7.20
64		2,3,4,6-Tetrachlorophenol	0.298	0.334	-12.1	133	-0.07	7.37
65	t	Diethylphthalate	1.237	1.346	-8.8	136	-0.07	7.51
66	t	Fluorene	1.283	1.294	-0.9	130	-0.07	7.60
67	t	4-Chlorophenyl-phenylethe	0.601	0.598	0.5	131	-0.07	7.62
68	t	4-Nitroaniline	0.330	0.373	-13.0	129	-0.07	7.67
69	I	Phenanthrene-d10	1.000	1.000	0.0	128	-0.08	8.73
70	t	4,6-Dinitro-2-methylpheno	0.128	0.153	-19.5	144	-0.07	7.70
71	t	n-Nitrosodiphenylamine	0.507	0.517	-2.0	128	-0.07	7.77
72	t	1,2-Diphenylhydrazine	0.788	0.877	-11.3	137	-0.07	7.81
73	S	2,4,6-Tribromophenol	0.098	0.121	-23.5#	138	-0.07	7.90
74	t	4-Bromophenyl-phenylether	0.205	0.211	-2.9	132	-0.07	8.20
75	t	Hexachlorobenzene	0.245	0.256	-4.5	135	-0.07	8.27
76	t	Pentachlorophenol	0.125	0.152	-21.6#	138	-0.07	8.53
77	t	Phenanthrene	1.163	1.120	3.7	126	-0.07	8.76
78	t	Anthracene	1.128	1.138	-0.9	128	-0.07	8.82
79	t	Carbazole	1.168	1.070	8.4	128	-0.08	9.05
80	t	Di-n-butylphthalate	1.147	1.343	-17.1	137	-0.08	9.54
81	t	Fluoranthene	1.133	1.196	-5.6	131	-0.09	10.33
82	t	Octadecane	0.549	0.579	-5.5	136	-0.07	8.66
83	I	Chrysene-d12	1.000	1.000	0.0	135	-0.09	12.43
84	t	Pyrene	1.220	1.203	1.4	130	-0.09	10.64
85		Butyl stearate	0.329	0.401	-21.9#	139	-0.08	11.82
86	S	Terphenyl-d14	0.804	0.825	-2.6	134	-0.09	10.91
87	t	Butylbenzylphthalate	0.492	0.580	-17.9	143	-0.09	11.67
88	t	Benzo[a]anthracene	1.100	1.144	-4.0	137	-0.09	12.41
89	t	3,3'-Dichlorobenzidine	0.362	0.439	-21.3#	143	-0.09	12.42
90	t	Chrysene	1.092	1.051	3.8	130	-0.09	12.47
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.791	-18.4	143	-0.09	12.58
92	I	Perylene-d12	1.000	1.000	0.0	133	-0.09	14.48

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4597-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92469.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	53.954	-7.9	145	-0.09	13.54

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.293	-8.5	139	-0.09	13.97
95	t	Benzo[k]fluoranthene	1.231	1.227	0.3	133	-0.09	14.01
96	t	Benzo[a]pyrene	1.059	1.112	-5.0	134	-0.10	14.40
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.129	-10.6	136	-0.12	15.88
98	t	Dibenz(a,h)acridine	0.995	1.001	-0.6	135	-0.11	15.57
99	t	Dibenz[a,h]anthracene	1.077	1.120	-4.0	131	-0.12	15.91
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.584	-25.9#	137	-0.09	13.97
101	t	Benzo[g,h,i]perylene	1.064	1.078	-1.3	132	-0.13	16.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92262.D MZ4569.M Fri Jun 13 08:40:01 2014 RTE

8.7.36

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4597-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92470.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4597\z92470.D Vial: 3
Acq On : 12 Jun 2014 10:58 pm Operator: olgaa
Sample : cc4571-50 Inst : MSZ
Misc : op73791,ez4597, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Jun 10 14:36:56 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	77	-0.06	3.56
103	Benzaldehyde	0.939	0.951	-1.3	76	-0.27	3.16
104	Phenanthrene-d10a	1.000	1.000	0.0	79	-0.09	8.72
	----------	True	Calc.	% Drift	----------		
105	Atrazine	50.000	60.035	-20.1#	86	-0.07	8.44
	----------	AvgRF	CCRF	% Dev	----------		
106	Chrysene-d12a	1.000	1.000	0.0	83	-0.11	12.42
107	Benzidine	0.411	0.573	-39.4#	124	-0.09	10.56
108	Acenaphthene-d10a	1.000	1.000	0.0	79	-0.08	6.94
109	1,2,4,5-Tetrachlorobenzen	0.483	0.540	-11.8	82	-0.17	5.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92262.D MZ4569.M Fri Jun 13 08:41:47 2014 RTE

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4597-CC4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92471.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4597\z92471.D Vial: 4
Acq On : 12 Jun 2014 11:23 pm Operator: olgaa
Sample : cc4596-50 Inst : MSZ
Misc : op73791,ez4597, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 12 22:18:41 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	105	0.00	3.56
111	Benzenethiol	1.742	1.771	-1.7	104	0.00	3.20
112	Chrysene-d12b	1.000	1.000	0.0	104	0.00	12.42
113	Methyl Chrysene	0.753	0.789	-4.8	103	0.00	13.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92461.D MZ4569sknr.M Fri Jun 13 08:45:21 2014 RTE

8.7.38

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4606-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92716.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4606\z92716.D Vial: 3
Acq On : 18 Jun 2014 10:15 am Operator: ashleyv
Sample : cc4569-50 Inst : MSZ
Misc : op75490,ez4606 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 Jun 18 16:28:29 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	100	0.00	3.47
2		1,4-Dioxane	0.685	0.320	53.3#	53	-0.05	1.50
3	t	Pyridine	1.774	0.881	50.3#	55	-0.06	1.66
4	t	N-Nitrosodimethylamine	0.959	0.463	51.7#	49#	-0.06	1.63
5	S	2-Fluorophenol	1.367	1.042	23.8#	75	-0.06	2.41
6	t	Indene	2.709	2.582	4.7	108	-0.07	3.72
7	t	Cumene	3.831	3.627	5.3	106	-0.06	2.77
8	S	Phenol-d5	1.722	1.430	17.0	83	-0.07	3.16
9	t	Phenol	1.932	1.672	13.5	89	-0.06	3.17
10	t	Aniline	2.099	1.294	38.4#	65	-0.06	3.17
11	t	bis(2-Chloroethyl)ether	1.354	1.082	20.1#	84	-0.06	3.22
12	t	2-Chlorophenol	1.540	1.356	11.9	90	-0.07	3.28
13	t	Decane	1.832	1.972	-7.6	121	-0.06	3.31
14	t	1,3-Dichlorobenzene	1.659	1.532	7.7	94	-0.07	3.41
15	t	1,4-Dichlorobenzene	1.699	1.563	8.0	94	-0.07	3.48
16	t	Benzyl alcohol	0.928	0.870	6.3	91	-0.07	3.61
17	t	1,2-Dichlorobenzene	1.593	1.444	9.4	93	-0.07	3.63
18	t	Acetophenone	2.214	2.222	-0.4	114	-0.07	3.87
19	t	2-Methylphenol	1.297	1.173	9.6	93	-0.07	3.74
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.411	8.1	96	-0.07	3.73
21	t	3&4-Methylphenol	1.392	1.283	7.8	94	-0.07	3.90
22	t	n-Nitroso-di-n-propylamin	0.976	0.990	-1.4	104	-0.07	3.87
23	t	Hexachloroethane	0.525	0.534	-1.7	103	-0.07	3.97
24	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00	4.79
25	S	Nitrobenzene-d5	0.352	0.376	-6.8	107	-0.07	4.02
26	t	Nitrobenzene	0.390	0.393	-0.8	103	-0.07	4.04
27	t	Quinoline	0.801	0.795	0.7	110	-0.07	5.20
28	t	Isophorone	0.644	0.634	1.6	97	-0.07	4.29
29	t	2-Nitrophenol	0.182	0.195	-7.1	101	-0.07	4.38
30	t	2,4-Dimethylphenol	0.304	0.339	-11.5	103	-0.07	4.46
31		Benzoic Acid	0.170	0.267	-57.1#	118	-0.06	4.63
32	t	bis(2-Chloroethoxy)methan	0.391	0.336	14.1	88	-0.07	4.54
33	t	2,4-Dichlorophenol	0.279	0.285	-2.2	100	-0.07	4.66
34		2,6-Dichlorophenol	0.274	0.287	-4.7	106	-0.07	4.91
35	t	1,3,5-Trichlorobenzene	0.389	0.383	1.5	112	-0.07	4.39
36	t	1,2,4-Trichlorobenzene	0.332	0.313	5.7	97	-0.07	4.74
37	t	1,2,3-Trichlorobenzene	0.368	0.361	1.9	113	-0.08	4.98
38	t	Naphthalene	1.116	1.036	7.2	99	-0.07	4.82
39	t	4-Chloroaniline	0.440	0.341	22.5#	79	-0.07	4.90
40	t	2,3-Dichloroaniline	0.382	0.409	-7.1	121	-0.08	5.95
41	t	Caprolactam	0.186	0.209	-12.4	117	-0.07	5.31

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4606-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92716.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.194	-7.8	113	-0.07	4.97
43	t	4-Chloro-3-methylphenol	0.296	0.328	-10.8	106	-0.07	5.51
44	t	2-Methylnaphthalene	0.606	0.596	1.7	102	-0.07	5.61
45	t	1-Methylnaphthalene	0.668	0.681	-1.9	115	-0.07	5.72
46	t	Dimethylnaphthalene	0.676	0.721	-6.7	118	-0.08	6.35
47	I	Acenaphthene-d10	1.000	1.000	0.0	115	0.00	6.84
48	t	Hexachlorocyclopentadiene	0.316	0.300	5.1	101	-0.07	5.81
49	t	2,4,6-Trichlorophenol	0.347	0.338	2.6	109	-0.08	5.97
50	t	2,4,5-Trichlorophenol	0.368	0.360	2.2	108	-0.07	6.03
51	S	2-Fluorobiphenyl	1.268	1.100	13.2	104	-0.07	6.06
52	t	2-Chloronaphthalene	1.190	1.048	11.9	104	-0.08	6.18
53	t	Biphenyl	1.692	1.615	4.6	124	-0.07	6.17
54	t	2-Nitroaniline	0.326	0.397	-21.8#	127	-0.08	6.33
55	t	Dimethylphthalate	1.271	1.162	8.6	108	-0.07	6.56
56	t	Acenaphthylene	1.869	1.726	7.7	105	-0.08	6.67
57	t	2,6-Dinitrotoluene	0.260	0.263	-1.2	103	-0.08	6.62
58	t	3-Nitroaniline	0.329	0.293	10.9	92	-0.08	6.83
59	t	Acenaphthene	1.183	1.059	10.5	107	-0.09	6.87
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	93.840	6.2	114	-0.08	6.96
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.245	-64.4#	177	-0.08	7.11
62	t	Dibenzofuran	1.641	1.490	9.2	109	-0.08	7.09
63	t	2,4-Dinitrotoluene	0.355	0.379	-6.8	110	-0.08	7.11
64		2,3,4,6-Tetrachlorophenol	0.298	0.307	-3.0	112	-0.08	7.26
65	t	Diethylphthalate	1.237	1.331	-7.6	123	-0.07	7.41
66	t	Fluorene	1.283	1.239	3.4	113	-0.09	7.49
67	t	4-Chlorophenyl-phenylethe	0.601	0.540	10.1	108	-0.08	7.51
68	t	4-Nitroaniline	0.330	0.307	7.0	97	-0.08	7.57
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	8.62
70	t	4,6-Dinitro-2-methylpheno	0.128	0.132	-3.1	114	-0.08	7.61
71	t	n-Nitrosodiphenylamine	0.507	0.476	6.1	109	-0.08	7.66
72	t	1,2-Diphenylhydrazine	0.788	0.809	-2.7	117	-0.08	7.70
73	S	2,4,6-Tribromophenol	0.098	0.105	-7.1	110	-0.09	7.79
74	t	4-Bromophenyl-phenylether	0.205	0.193	5.9	111	-0.09	8.09
75	t	Hexachlorobenzene	0.245	0.225	8.2	110	-0.09	8.16
76	t	Pentachlorophenol	0.125	0.140	-12.0	118	-0.09	8.42
77	t	Phenanthrene	1.163	1.044	10.2	108	-0.09	8.65
78	t	Anthracene	1.128	1.052	6.7	109	-0.09	8.71
79	t	Carbazole	1.168	1.127	3.5	124	-0.09	8.94
80	t	Di-n-butylphthalate	1.147	1.308	-14.0	123	-0.09	9.43
81	t	Fluoranthene	1.133	1.113	1.8	113	-0.10	10.21
82	t	Octadecane	0.549	0.581	-5.8	126	-0.07	8.56
83	I	Chrysene-d12	1.000	1.000	0.0	121	0.01	12.30
84	t	Pyrene	1.220	1.156	5.2	111	-0.10	10.52
85		Butyl stearate	0.329	0.331	-0.6	102	-0.09	11.70
86	S	Terphenyl-d14	0.804	0.730	9.2	106	-0.10	10.79
87	t	Butylbenzylphthalate	0.492	0.563	-14.4	124	-0.10	11.55
88	t	Benzo[a]anthracene	1.100	1.026	6.7	110	-0.11	12.29
89	t	3,3'-Dichlorobenzidine	0.362	0.380	-5.0	111	-0.11	12.30
90	t	Chrysene	1.092	0.904	17.2	100	-0.11	12.34
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.715	-7.0	115	-0.10	12.45
92	I	Perylene-d12	1.000	1.000	0.0	76	0.00	14.34

8.7.39

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4606-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92716.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	70.853	-41.7#	114	-0.10	13.41

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.559	-30.8#	95	-0.12	13.84
95	t	Benzo[k]fluoranthene	1.231	1.241	-0.8	76	-0.12	13.88
96	t	Benzo[a]pyrene	1.059	1.082	-2.2	74	-0.12	14.27
97	t	Indeno[1,2,3-cd]pyrene	1.021	0.901	11.8	62	-0.14	15.72
98	t	Dibenz(a,h)acridine	0.995	0.895	10.1	69	-0.13	15.42
99	t	Dibenz[a,h]anthracene	1.077	0.867	19.5	58	-0.14	15.75
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.711	-53.2#	95	-0.11	13.84
101	t	Benzo[g,h,i]perylene	1.064	0.813	23.6#	57	-0.16	16.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92729.D MZ4569.M Wed Jun 18 16:59:58 2014 RTE

8.7.39

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4606-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92718.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4606\z92718.D Vial: 5
Acq On : 18 Jun 2014 11:10 am Operator: ashleyv
Sample : cc4569-50 Inst : MSZ
Misc : op75490,ez4606 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 19 15:30:40 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	124	0.00	3.47
111	Benzenethiol	1.742	1.548	11.1	107	0.00	3.11
112	Chrysene-d12b	1.000	1.000	0.0	131	0.00	12.30
113	Methyl Chrysene	0.753	0.779	-3.5	128	0.00	13.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92721.D MZ4569sknr.M Thu Jun 19 15:32:03 2014 RTE

8.7.40

8

Continuing Calibration Summary

Job Number: JB68458 **Sample:** EZ4606-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92729.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4606\z92729.D Vial: 4
Acq On : 18 Jun 2014 12:26 pm Operator: ashleyv
Sample : cc4571-50 Inst : MSZ
Misc : op75490,ez4606 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 Jun 18 16:28:29 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	96	0.00	3.47
103	Benzaldehyde	0.939	0.792	15.7	79	0.00	3.07
104	Phenanthrene-d10a	1.000	1.000	0.0	106	0.00	8.62
		True	Calc.	% Drift			
105	Atrazine	50.000	57.579	-15.2	112	0.00	8.34
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	110	0.00	12.29
107	Benzidine	0.411	0.383	6.8	111	0.00	10.44
108	Acenaphthene-d10a	1.000	1.000	0.0	108	0.00	6.84
109	1,2,4,5-Tetrachlorobenzen	0.483	0.542	-12.2	112	0.00	5.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92729.D MZ4569.M Wed Jun 18 17:00:00 2014 RTE

8.7.41

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32775.D
Acq On : 16 Jun 2014 7:48 pm
Operator : samtap
Sample : jb68458-1
Misc : op75383,e3p1403,34.0,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 17 12:03:42 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

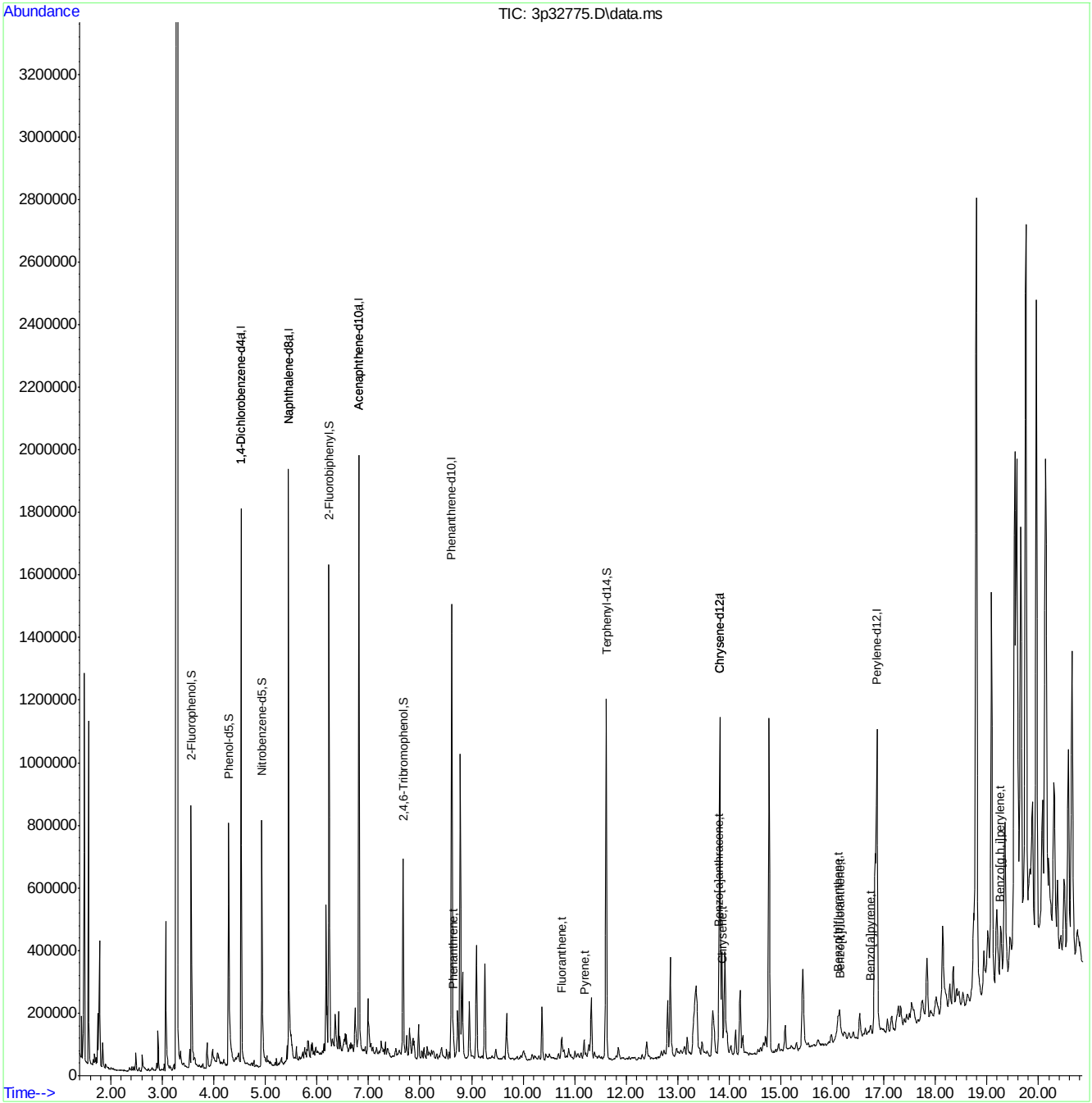
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.526	152	230842	40.00	ppb	-0.04
24) Naphthalene-d8	5.446	136	871480	40.00	ppb	-0.04
47) Acenaphthene-d10	6.810	164	448388	40.00	ppb	-0.05
69) Phenanthrene-d10	8.613	188	649603	40.00	ppb	-0.06
83) Chrysene-d12	13.817	240	581415	40.00	ppb	-0.05
91) Perylene-d12	16.866	264	511468	40.00	ppb	-0.04
101) 1,4-Dichlorobenzene-d4a	4.526	152	230842	40.00	ppb	-0.04
103) Acenaphthene-d10a	6.810	164	448388	40.00	ppb	-0.05
106) Chrysene-d12a	13.817	240	581415	40.00	ppb	-0.05
108) Naphthalene-d8a	5.446	136	871480	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.558	112	280727	36.75	ppb	-0.03
Spiked Amount 50.000			Recovery = 73.50%			
8) Phenol-d5	4.286	99	330153	37.12	ppb	-0.02
Spiked Amount 50.000			Recovery = 74.24%			
25) Nitrobenzene-d5	4.928	82	296121	41.08	ppb	-0.04
Spiked Amount 50.000			Recovery = 82.16%			
51) 2-Fluorobiphenyl	6.233	172	604840	42.39	ppb	-0.04
Spiked Amount 50.000			Recovery = 84.78%			
73) 2,4,6-Tribromophenol	7.671	330	87240	52.85	ppb	-0.05
Spiked Amount 50.000			Recovery = 105.70%			
85) Terphenyl-d14	11.613	244	544784	47.65	ppb	-0.06
Spiked Amount 50.000			Recovery = 95.30%			
Target Compounds						Qvalue
77) Phenanthrene	8.650	178	19787	1.07	ppb	98
81) Fluoranthene	10.747	202	35426	1.75	ppb	96
84) Pyrene	11.186	202	32869	1.71	ppb	95
87) Benzo[a]anthracene	13.796	228	16570	1.02	ppb	97
89) Chrysene	13.871	228	14018	0.98	ppb	98
93) Benzo[b]fluoranthene	16.112	252	17143	1.08	ppb	96
94) Benzo[k]fluoranthene	16.160	252	6288	0.41	ppb	91
95) Benzo[a]pyrene	16.743	252	12693	0.92	ppb	94
100) Benzo[g,h,i]perylene	19.257	276	7672	0.55	ppb	88

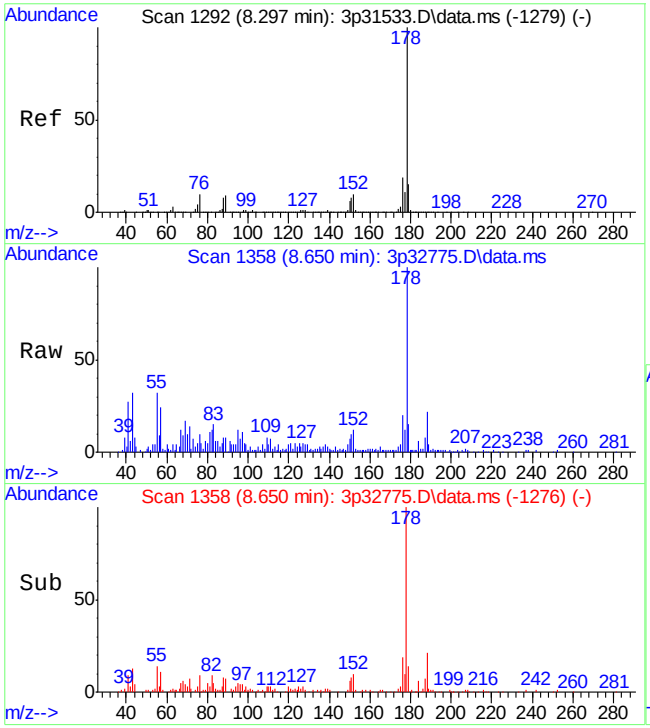
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32775.D
Acq On : 16 Jun 2014 7:48 pm
Operator : samtap
Sample : jb68458-1
Misc : op75383,e3p1403,34.0,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 17 12:03:42 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

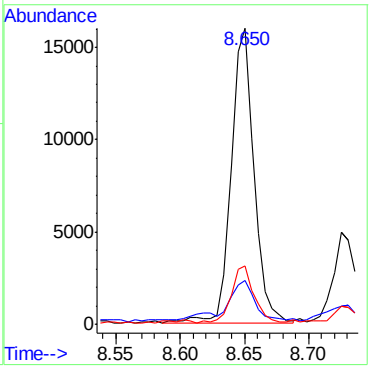


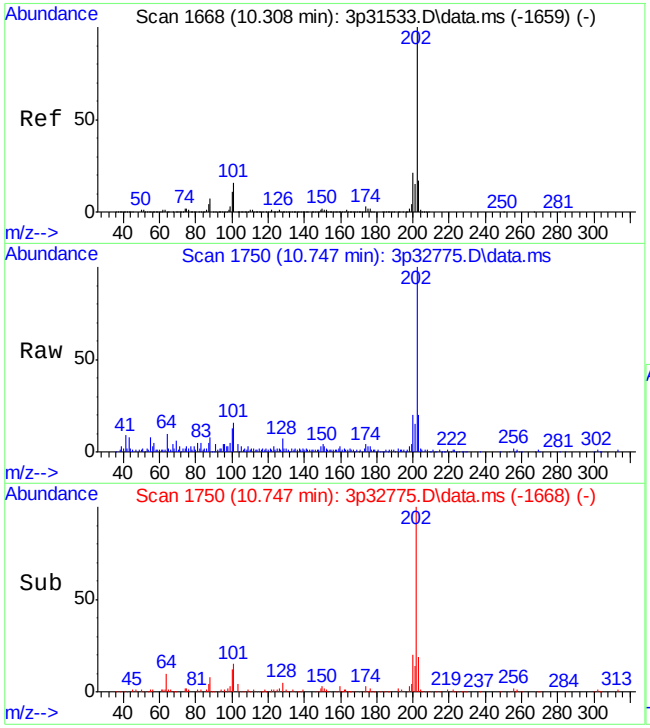


#77
Phenanthrene
Concen: 1.07 ppb
RT: 8.650 min Scan# 1358
Delta R.T. -0.059 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:178 Resp: 19787

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	45.3
176	18.6	0.0	48.9

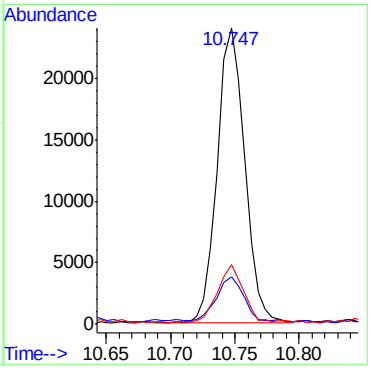


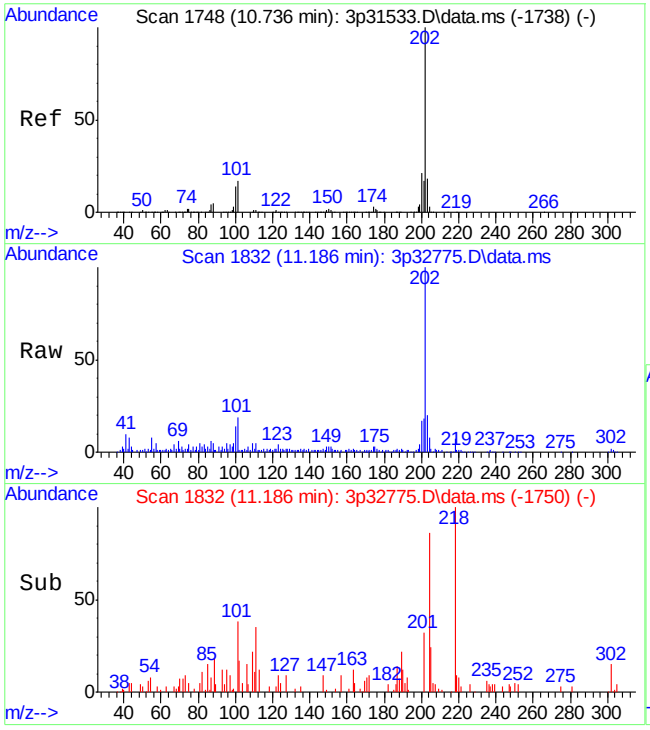


#81
Fluoranthene
Concen: 1.75 ppb
RT: 10.747 min Scan# 1750
Delta R.T. -0.059 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:202 Resp: 35426

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	43.1
203	19.1	0.0	47.3

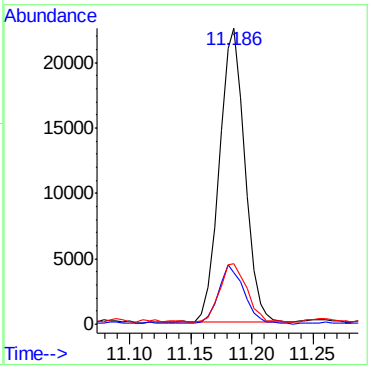


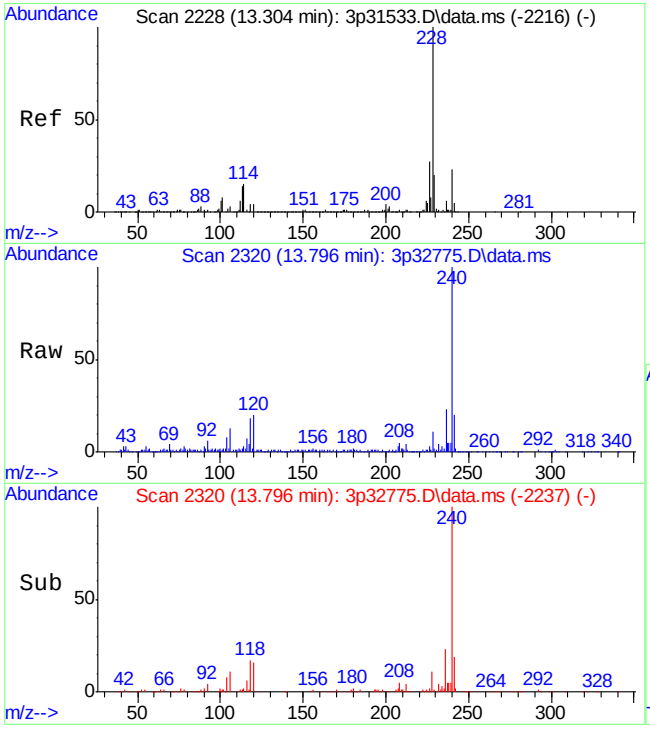


#84
Pyrene
Concen: 1.71 ppb
RT: 11.186 min Scan# 1832
Delta R.T. -0.059 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:202 Resp: 32869

Ion	Ratio	Lower	Upper
202	100		
200	17.3	0.0	50.6
203	19.5	0.0	48.0

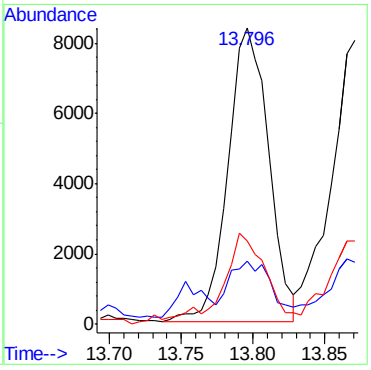


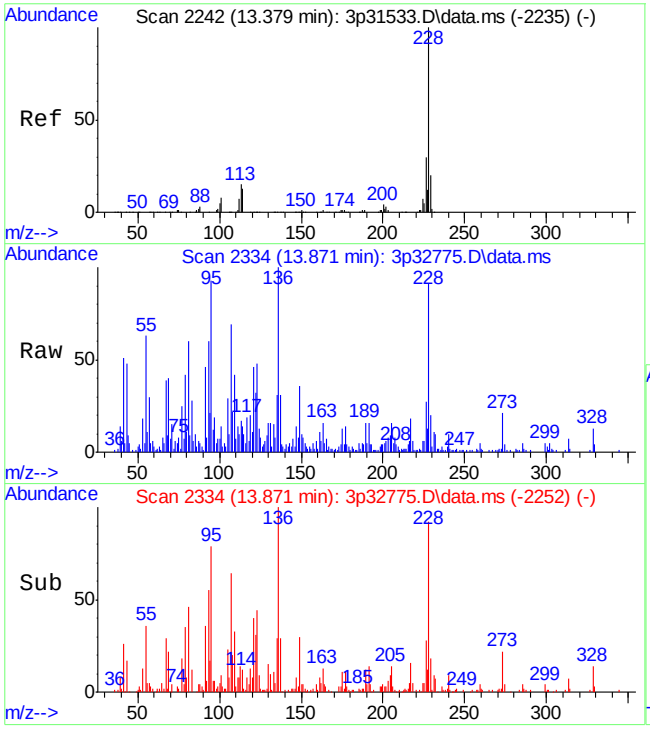


#87
Benzo[a]anthracene
Concen: 1.02 ppb
RT: 13.796 min Scan# 2320
Delta R.T. -0.053 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:228 Resp: 16570

Ion	Ratio	Lower	Upper
228	100		
229	18.2	0.0	49.9
226	26.9	0.0	55.9

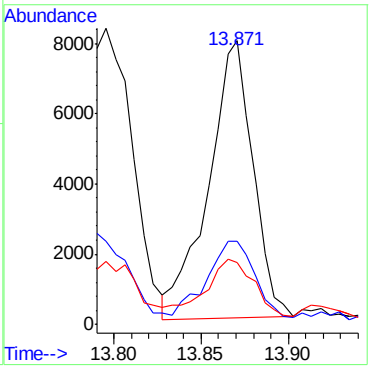


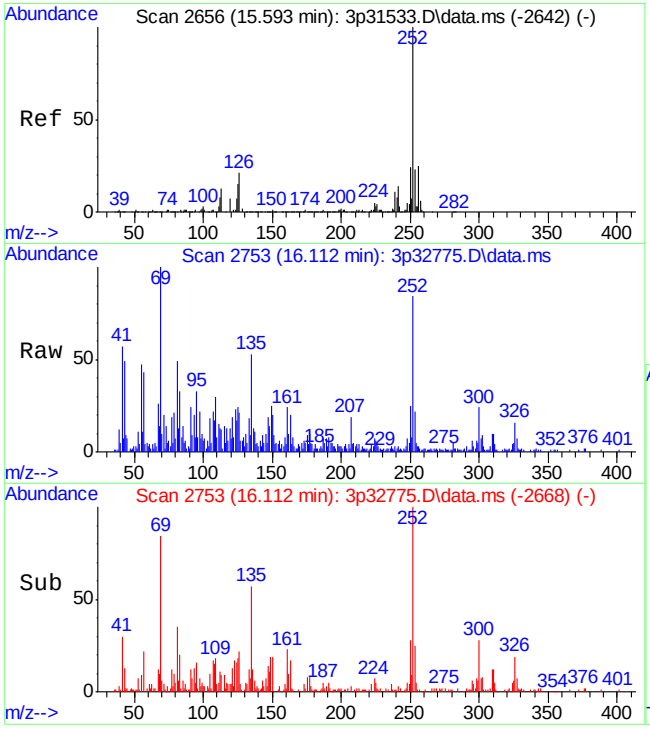


#89
Chrysene
Concen: 0.98 ppb
RT: 13.871 min Scan# 2334
Delta R.T. -0.059 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:228 Resp: 14018

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	59.2
229	18.6	0.0	49.2

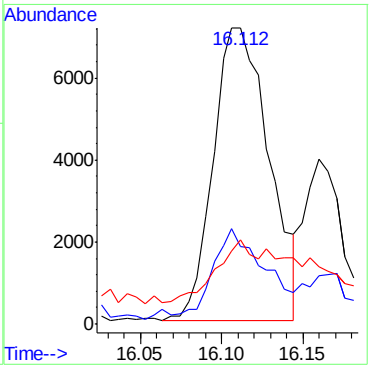


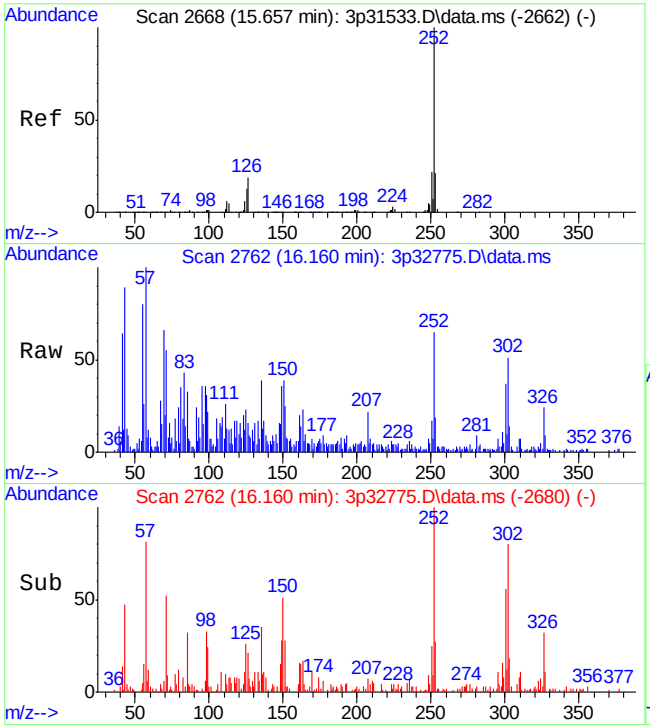


#93
Benzo[b]fluoranthene
Concen: 1.08 ppb
RT: 16.112 min Scan# 2753
Delta R.T. -0.043 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:252 Resp: 17143

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	51.1
125	16.3	0.0	43.1

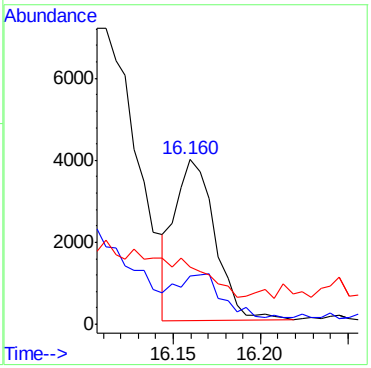


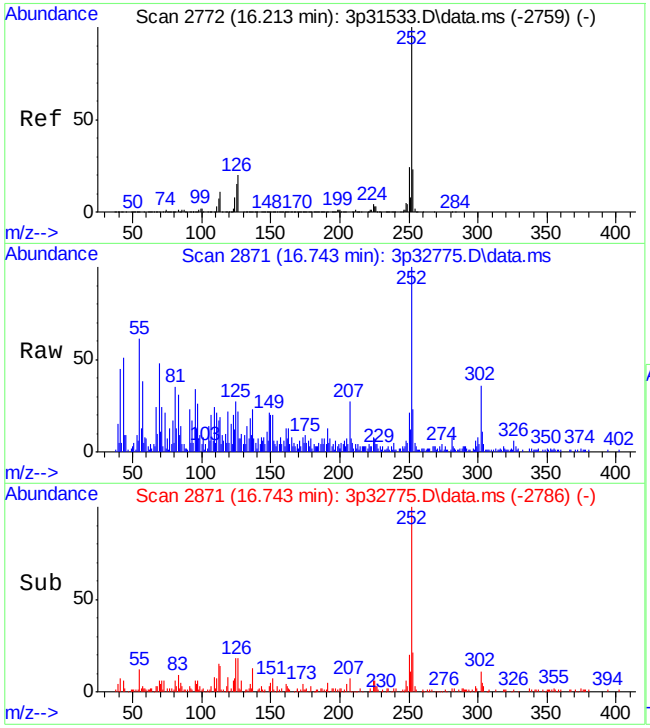


#94
Benzo[k]fluoranthene
Concen: 0.41 ppb
RT: 16.160 min Scan# 2762
Delta R.T. -0.059 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:252 Resp: 6288

Ion	Ratio	Lower	Upper
252	100		
253	25.2	0.0	51.6
125	8.0	0.0	42.9

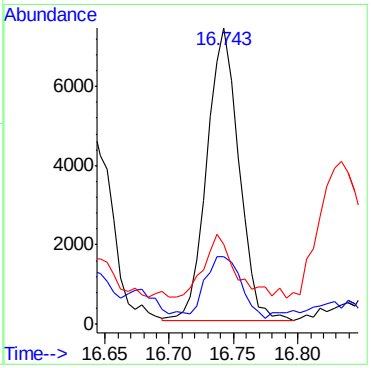


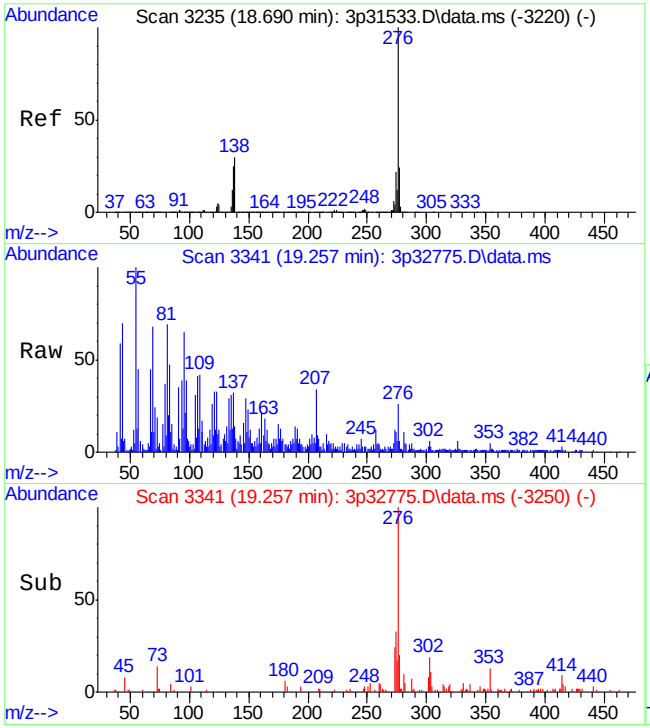


#95
Benzo[a]pyrene
Concen: 0.92 ppb
RT: 16.743 min Scan# 2871
Delta R.T. -0.043 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:252 Resp: 12693

Ion	Ratio	Lower	Upper
252	100		
253	18.3	0.0	51.6
125	16.4	0.0	44.8

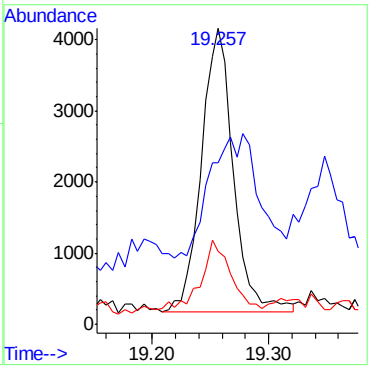




#100
Benzo[g,h,i]perylene
Concen: 0.55 ppb
RT: 19.257 min Scan# 3341
Delta R.T. -0.011 min
Lab File: 3p32775.D
Acq: 16 Jun 2014 7:48 pm

Tgt Ion:276 Resp: 7672

Ion	Ratio	Lower	Upper
276	100		
138	25.5	2.6	62.6
277	18.9	0.0	54.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32732.D
Acq On : 15 Jun 2014 3:26 pm
Operator : elwiraa
Sample : jb68458-2
Misc : op75383,e3p1402,32.0,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 08:38:17 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

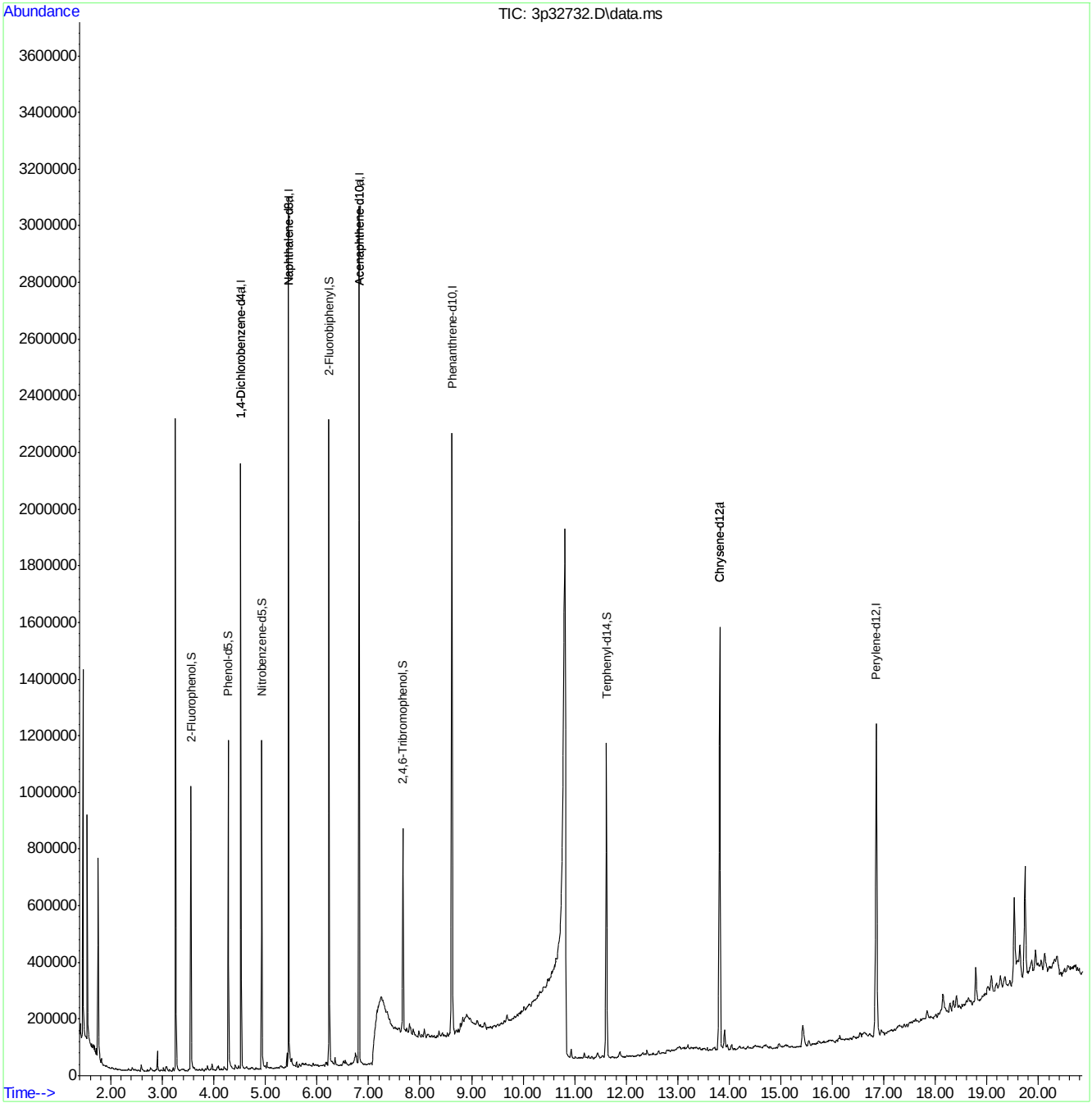
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.521	152	272730	40.00	ppb	-0.05
24) Naphthalene-d8	5.446	136	1044841	40.00	ppb	-0.04
47) Acenaphthene-d10	6.816	164	592347	40.00	ppb	-0.05
69) Phenanthrene-d10	8.618	188	972785	40.00	ppb	-0.05
83) Chrysene-d12	13.817	240	821987	40.00	ppb	-0.05
91) Perylene-d12	16.855	264	588526	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.521	152	272730	40.00	ppb	-0.05
103) Acenaphthene-d10a	6.816	164	592347	40.00	ppb	-0.05
106) Chrysene-d12a	13.817	240	821987	40.00	ppb	-0.05
108) Naphthalene-d8a	5.446	136	1044841	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.553	112	267354	29.63	ppb	-0.03
Spiked Amount 50.000			Recovery = 59.26%			
8) Phenol-d5	4.280	99	323419	30.78	ppb	-0.03
Spiked Amount 50.000			Recovery = 61.56%			
25) Nitrobenzene-d5	4.928	82	266593	30.85	ppb	-0.04
Spiked Amount 50.000			Recovery = 61.70%			
51) 2-Fluorobiphenyl	6.233	172	560520	29.74	ppb	-0.04
Spiked Amount 50.000			Recovery = 59.48%			
73) 2,4,6-Tribromophenol	7.666	330	79781	32.28	ppb	-0.05
Spiked Amount 50.000			Recovery = 64.56%			
85) Terphenyl-d14	11.619	244	538831	33.33	ppb	-0.06
Spiked Amount 50.000			Recovery = 66.66%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32732.D
Acq On : 15 Jun 2014 3:26 pm
Operator : elwiraa
Sample : jb68458-2
Misc : op75383,e3p1402,32.0,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 08:38:17 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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92332.D
Acq On : 10 Jun 2014 6:22 am
Operator : ashleyd
Sample : jb68458-4
Misc : op75437,ez4590,890
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 12 14:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

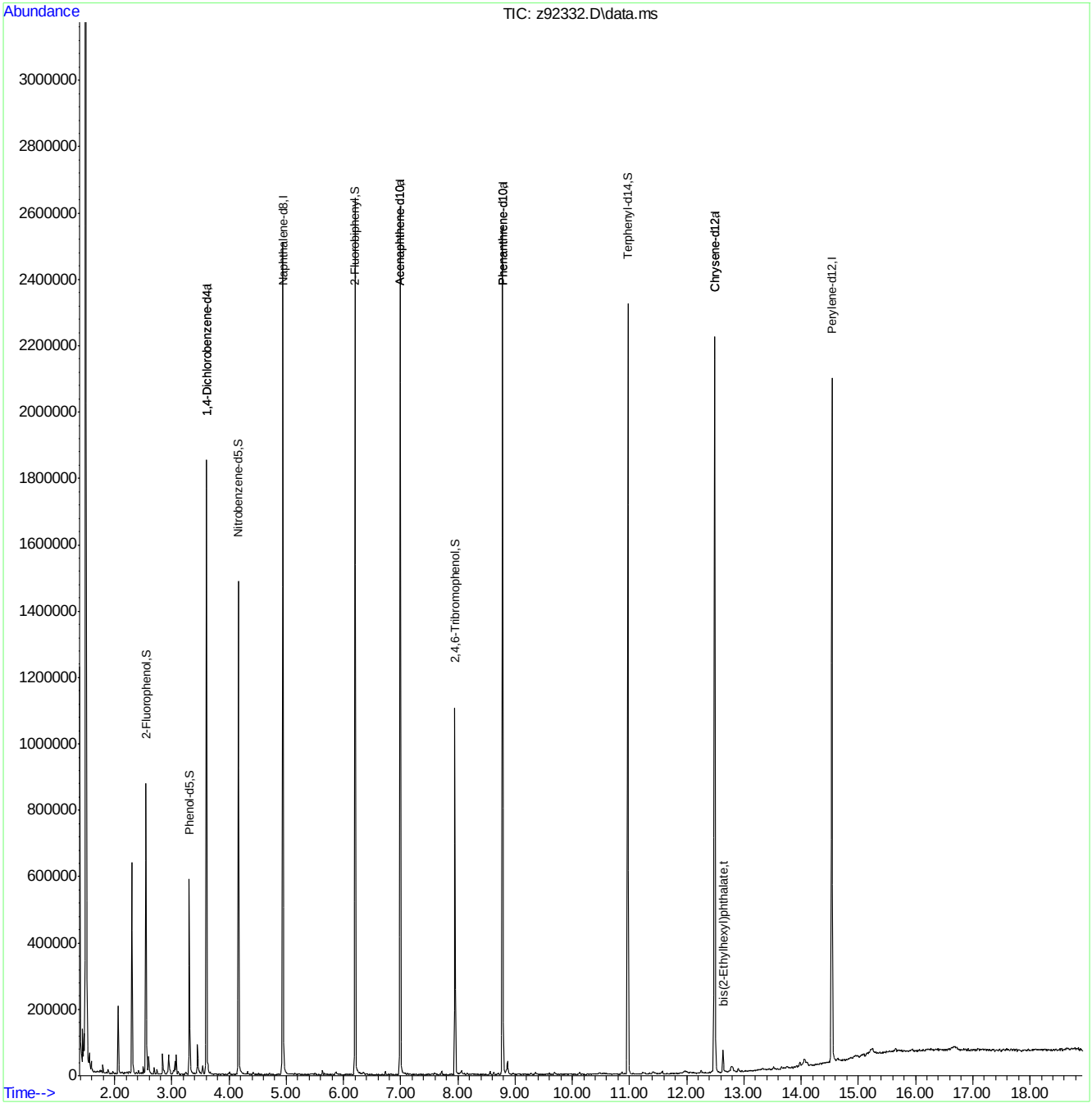
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.609	152	258564	40.00	ppb	-0.03
24) Naphthalene-d8	4.940	136	1036306	40.00	ppb	-0.04
47) Acenaphthene-d10	6.991	164	569360	40.00	ppb	-0.04
69) Phenanthrene-d10	8.781	188	969516	40.00	ppb	-0.04
83) Chrysene-d12	12.493	240	975706	40.00	ppb	-0.05
92) Perylene-d12	14.540	264	889953	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	3.609	152	258564	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.781	188	969516	40.00	ppb	-0.04
106) Chrysene-d12a	12.493	240	975706	40.00	ppb	-0.05
108) Acenaphthene-d10a	6.991	164	569360	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	2.546	112	208890	23.64	ppb	-0.02
Spiked Amount 50.000			Recovery = 47.28%			
8) Phenol-d5	3.305	99	178163	16.01	ppb	-0.02
Spiked Amount 50.000			Recovery = 32.02%			
25) Nitrobenzene-d5	4.165	82	421891	46.20	ppb	-0.03
Spiked Amount 50.000			Recovery = 92.40%			
51) 2-Fluorobiphenyl	6.206	172	729102	40.40	ppb	-0.04
Spiked Amount 50.000			Recovery = 80.80%			
73) 2,4,6-Tribromophenol	7.947	330	116482	49.17	ppb	-0.04
Spiked Amount 50.000			Recovery = 98.34%			
86) Terphenyl-d14	10.971	244	852597	43.45	ppb	-0.04
Spiked Amount 50.000			Recovery = 86.90%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	12.638	149	22035	1.35	ppb	92

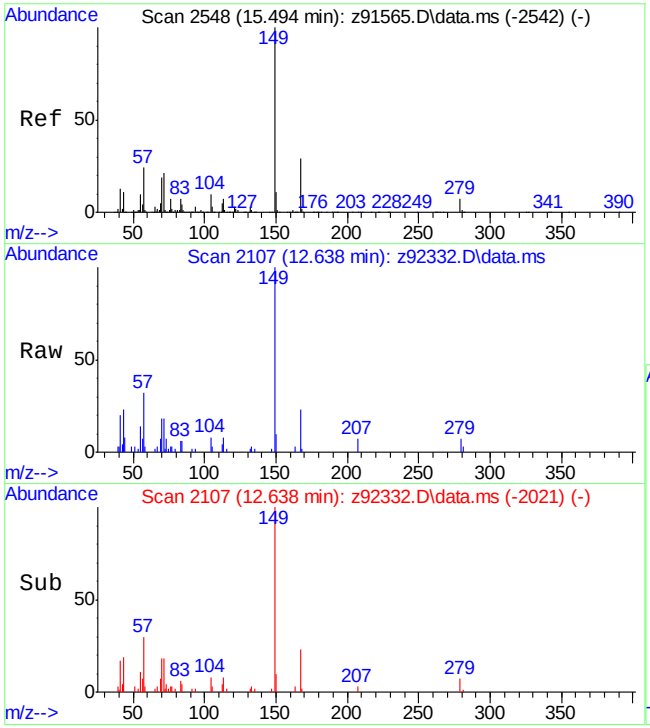
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92332.D
Acq On : 10 Jun 2014 6:22 am
Operator : ashleyd
Sample : jb68458-4
Misc : op75437,ez4590,890
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 12 14:04:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

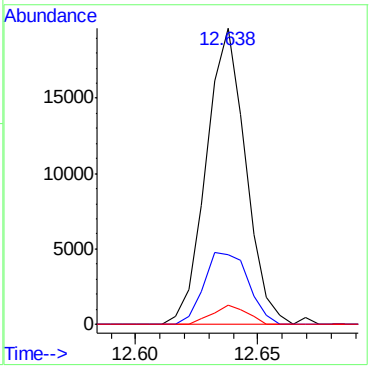




#91
bis(2-Ethylhexyl)phthalate
Concen: 1.35 ppb
RT: 12.638 min Scan# 2107
Delta R.T. -0.043 min
Lab File: z92332.D
Acq: 10 Jun 2014 6:22 am

Tgt Ion:149 Resp: 22035

Ion	Ratio	Lower	Upper
149	100		
167	23.4	0.0	58.7
279	6.6	0.0	36.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32733.D
Acq On : 15 Jun 2014 3:54 pm
Operator : elwiraa
Sample : jb68458-5
Misc : op75383,e3p1402,34.8,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 16 08:39:56 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

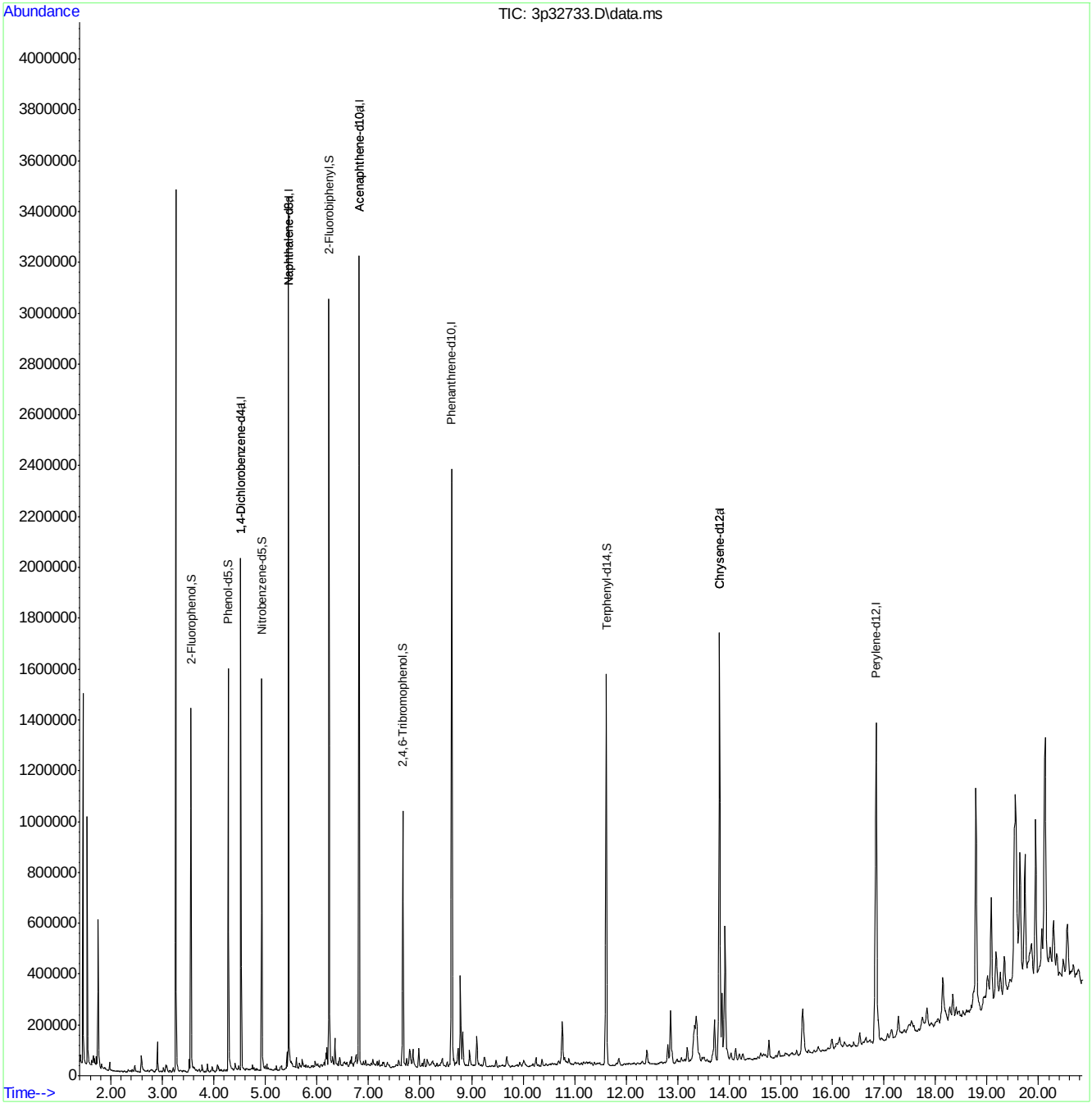
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.526	152	276986	40.00	ppb	-0.04
24) Naphthalene-d8	5.446	136	1090121	40.00	ppb	-0.04
47) Acenaphthene-d10	6.816	164	635400	40.00	ppb	-0.05
69) Phenanthrene-d10	8.613	188	1080327	40.00	ppb	-0.06
83) Chrysene-d12	13.812	240	930302	40.00	ppb	-0.06
91) Perylene-d12	16.855	264	660205	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.526	152	276986	40.00	ppb	-0.04
103) Acenaphthene-d10a	6.816	164	635400	40.00	ppb	-0.05
106) Chrysene-d12a	13.812	240	930302	40.00	ppb	-0.06
108) Naphthalene-d8a	5.446	136	1090121	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.553	112	358412	39.11	ppb	-0.03
Spiked Amount 50.000			Recovery = 78.22%			
8) Phenol-d5	4.280	99	440964	41.32	ppb	-0.03
Spiked Amount 50.000			Recovery = 82.64%			
25) Nitrobenzene-d5	4.928	82	346772	38.46	ppb	-0.04
Spiked Amount 50.000			Recovery = 76.92%			
51) 2-Fluorobiphenyl	6.233	172	748541	37.02	ppb	-0.04
Spiked Amount 50.000			Recovery = 74.04%			
73) 2,4,6-Tribromophenol	7.666	330	111183	40.50	ppb	-0.05
Spiked Amount 50.000			Recovery = 81.00%			
85) Terphenyl-d14	11.613	244	751359	41.07	ppb	-0.06
Spiked Amount 50.000			Recovery = 82.14%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32733.D
Acq On : 15 Jun 2014 3:54 pm
Operator : elwiraa
Sample : jb68458-5
Misc : op75383,e3p1402,34.8,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 16 08:39:56 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\1403\
Data File : 3p32776.D
Acq On : 16 Jun 2014 8:14 pm
Operator : samtap
Sample : jb68458-6
Misc : op75383,e3p1403,32.5,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 17 12:05:21 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

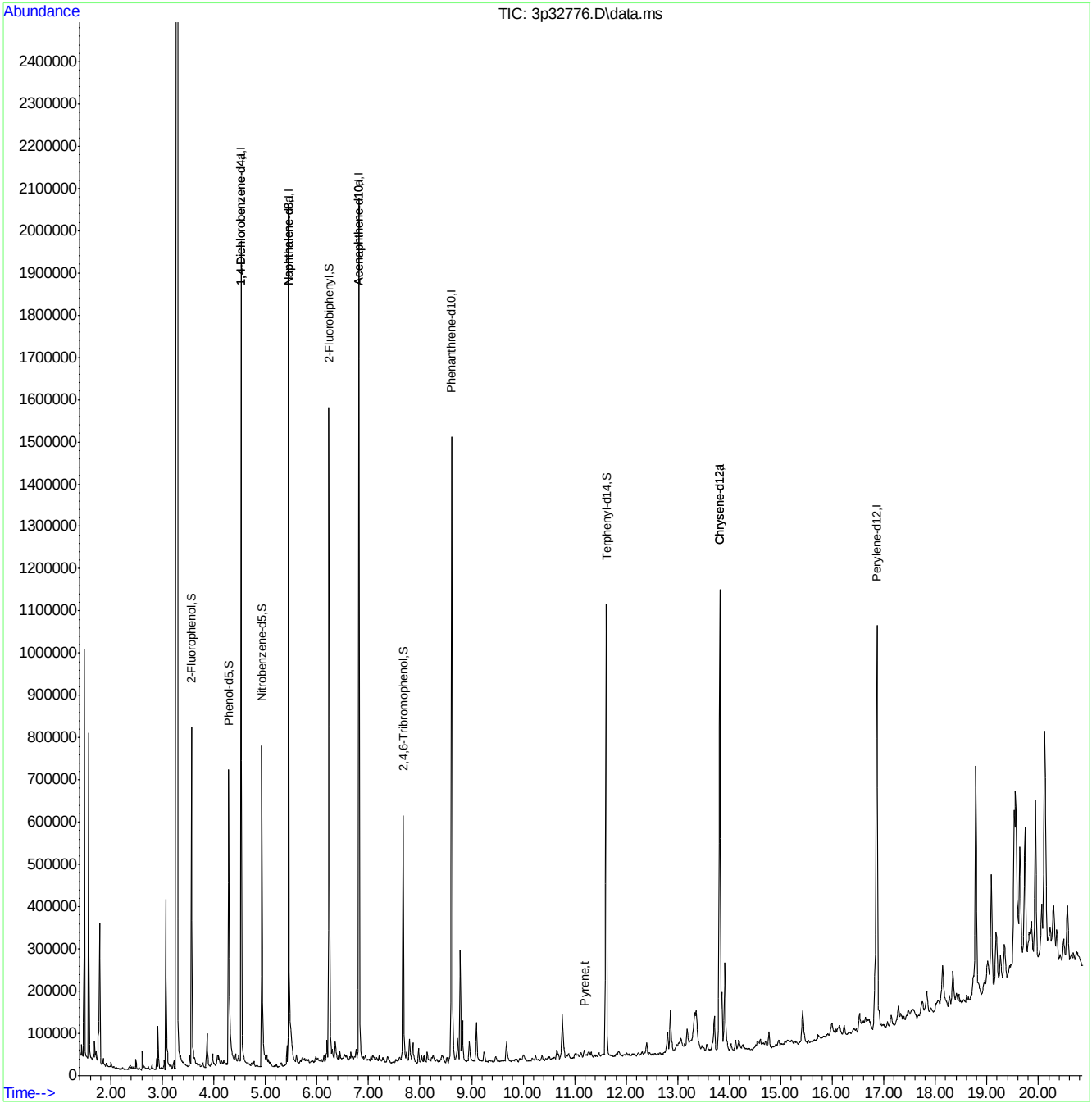
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.526	152	254403	40.00	ppb	-0.04
24) Naphthalene-d8	5.446	136	918635	40.00	ppb	-0.04
47) Acenaphthene-d10	6.810	164	494780	40.00	ppb	-0.05
69) Phenanthrene-d10	8.613	188	739887	40.00	ppb	-0.06
83) Chrysene-d12	13.817	240	597705	40.00	ppb	-0.05
91) Perylene-d12	16.866	264	533382	40.00	ppb	-0.04
101) 1,4-Dichlorobenzene-d4a	4.526	152	254403	40.00	ppb	-0.04
103) Acenaphthene-d10a	6.810	164	494780	40.00	ppb	-0.05
106) Chrysene-d12a	13.817	240	597705	40.00	ppb	-0.05
108) Naphthalene-d8a	5.446	136	918635	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.564	112	262198	31.15	ppb	-0.02
Spiked Amount 50.000			Recovery = 62.30%			
8) Phenol-d5	4.286	99	320973	32.74	ppb	-0.02
Spiked Amount 50.000			Recovery = 65.48%			
25) Nitrobenzene-d5	4.928	82	266328	35.05	ppb	-0.04
Spiked Amount 50.000			Recovery = 70.10%			
51) 2-Fluorobiphenyl	6.233	172	578309	36.73	ppb	-0.04
Spiked Amount 50.000			Recovery = 73.46%			
73) 2,4,6-Tribromophenol	7.671	330	82036	43.64	ppb	-0.05
Spiked Amount 50.000			Recovery = 87.28%			
85) Terphenyl-d14	11.613	244	514834	43.80	ppb	-0.06
Spiked Amount 50.000			Recovery = 87.60%			
Target Compounds						Qvalue
84) Pyrene	11.185	202	8647	0.44	ppb	99

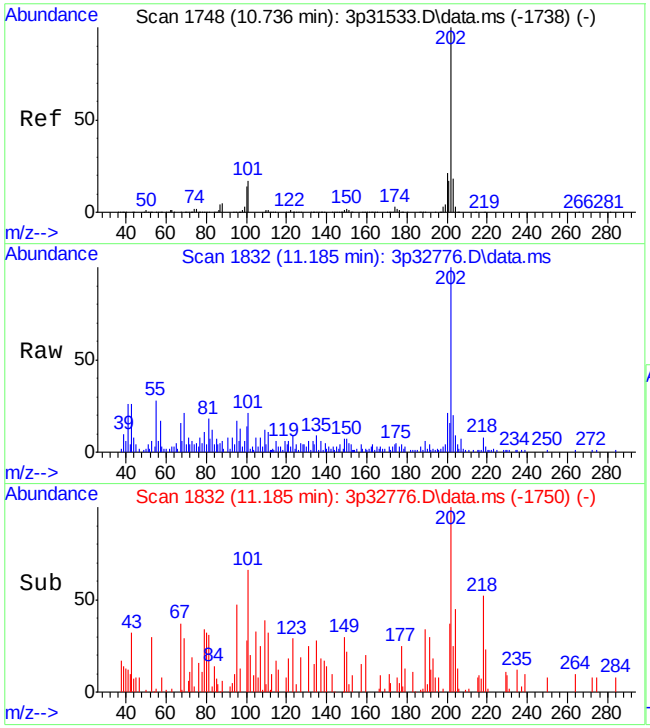
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32776.D
Acq On : 16 Jun 2014 8:14 pm
Operator : samtap
Sample : jb68458-6
Misc : op75383,e3p1403,32.5,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 17 12:05:21 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

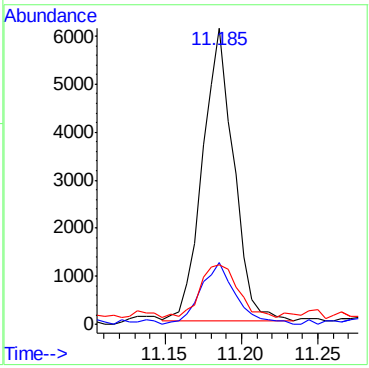




#84
Pyrene
Concen: 0.44 ppb
RT: 11.185 min Scan# 1832
Delta R.T. -0.059 min
Lab File: 3p32776.D
Acq: 16 Jun 2014 8:14 pm

Tgt Ion:202 Resp: 8647

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	50.6
203	17.5	0.0	48.0



9.15

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92317.D
Acq On : 9 Jun 2014 11:53 pm
Operator : ashleyd
Sample : op75437-mb1
Misc : op75437,ez4590,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 15:56:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

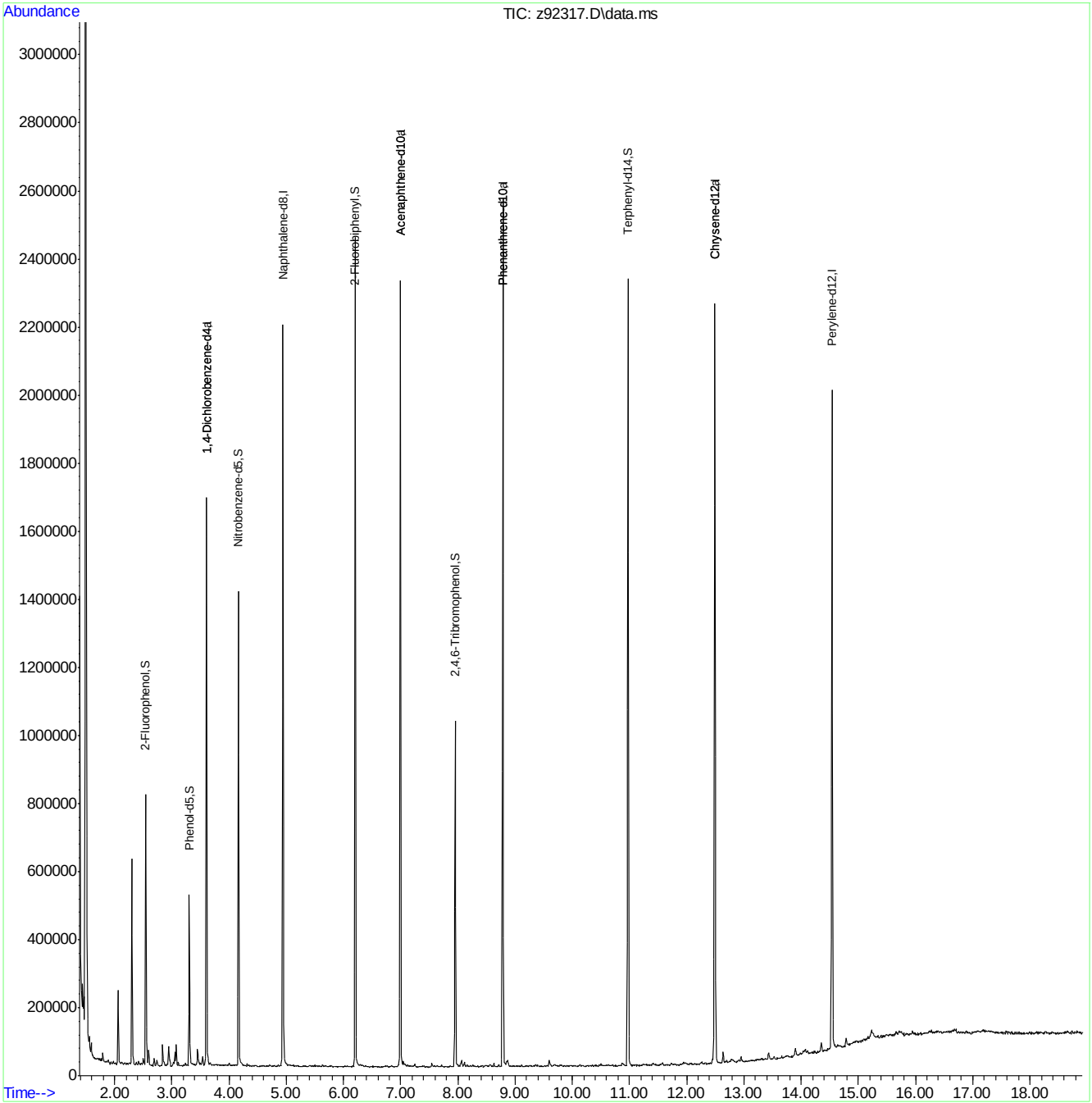
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.609	152	238775	40.00	ppb	-0.03
24) Naphthalene-d8	4.940	136	963935	40.00	ppb	-0.04
47) Acenaphthene-d10	6.996	164	524585	40.00	ppb	-0.03
69) Phenanthrene-d10	8.786	188	905040	40.00	ppb	-0.04
83) Chrysene-d12	12.494	240	936333	40.00	ppb	-0.05
92) Perylene-d12	14.540	264	830061	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	3.609	152	238775	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.786	188	905040	40.00	ppb	-0.04
106) Chrysene-d12a	12.494	240	936333	40.00	ppb	-0.05
108) Acenaphthene-d10a	6.996	164	524585	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.541	112	199187	24.41	ppb	-0.02
Spiked Amount 50.000			Recovery = 48.82%			
8) Phenol-d5	3.305	99	163822	15.94	ppb	-0.02
Spiked Amount 50.000			Recovery = 31.88%			
25) Nitrobenzene-d5	4.165	82	399099	46.98	ppb	-0.03
Spiked Amount 50.000			Recovery = 93.96%			
51) 2-Fluorobiphenyl	6.206	172	706721	42.50	ppb	-0.04
Spiked Amount 50.000			Recovery = 85.00%			
73) 2,4,6-Tribromophenol	7.953	330	118484	53.58	ppb	-0.03
Spiked Amount 50.000			Recovery = 107.16%			
86) Terphenyl-d14	10.976	244	853561	45.33	ppb	-0.04
Spiked Amount 50.000			Recovery = 90.66%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92317.D
Acq On : 9 Jun 2014 11:53 pm
Operator : ashleyd
Sample : op75437-mb1
Misc : op75437,ez4590,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 15:56:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32516.D
Acq On : 10 Jun 2014 11:41 am
Operator : samtap
Sample : op75383-mb1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:44:11 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

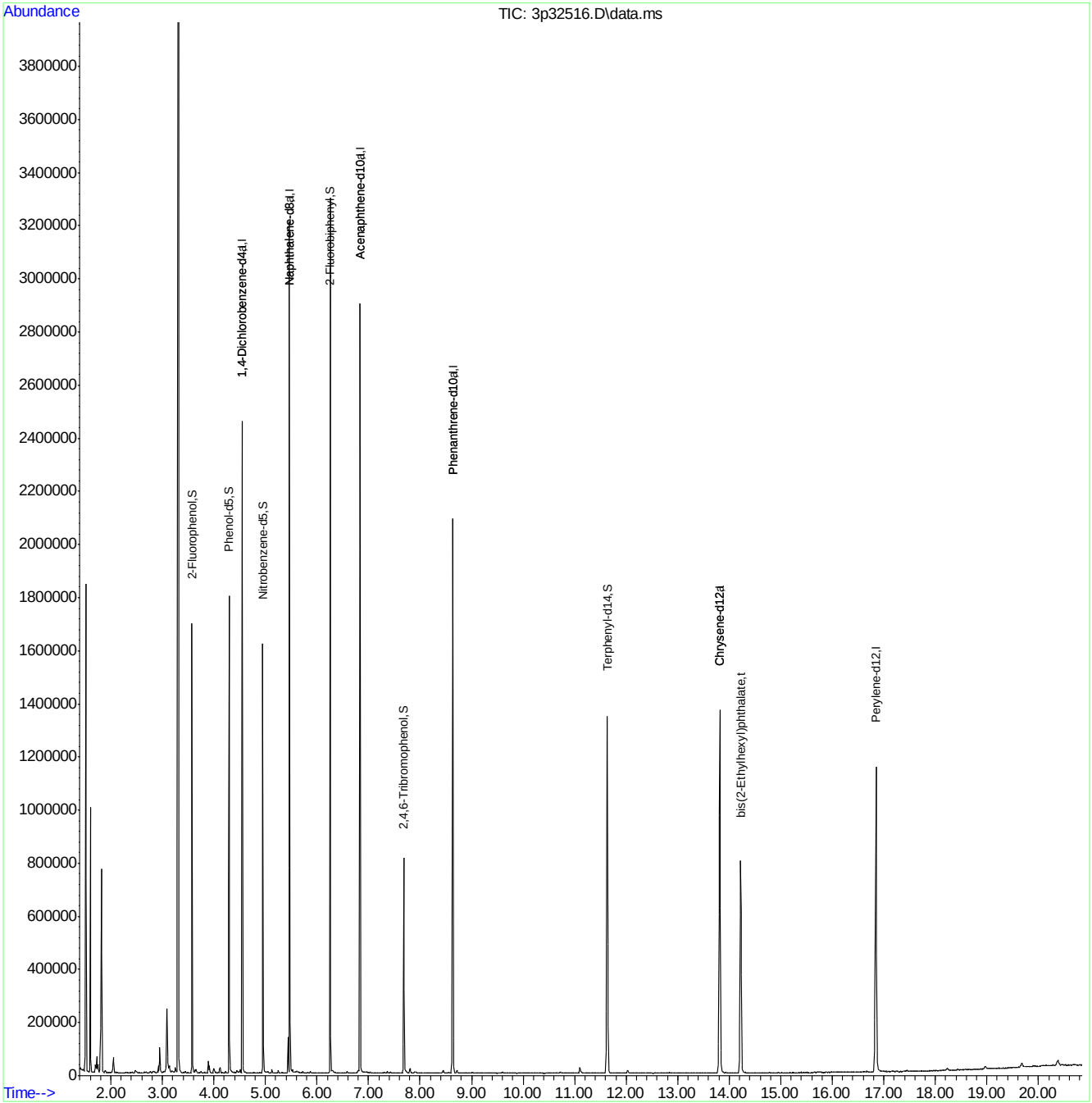
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.548	152	297742	40.00	ppb	-0.02
24) Naphthalene-d8	5.468	136	1033600	40.00	ppb	-0.02
47) Acenaphthene-d10	6.837	164	562610	40.00	ppb	-0.03
69) Phenanthrene-d10	8.634	188	890138	40.00	ppb	-0.04
83) Chrysene-d12	13.817	240	773954	40.00	ppb	-0.05
91) Perylene-d12	16.850	264	670269	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.548	152	297742	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.837	164	562610	40.00	ppb	-0.03
107) Chrysene-d12a	13.817	240	773954	40.00	ppb	-0.05
109) Naphthalene-d8a	5.468	136	1033600	40.00	ppb	-0.02
111) Phenanthrene-d10a	8.634	188	890138	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.575	112	362031	36.75	ppb	-0.01
Spiked Amount 50.000			Recovery = 73.50%			
8) Phenol-d5	4.291	99	434312	37.86	ppb	-0.02
Spiked Amount 50.000			Recovery = 75.72%			
25) Nitrobenzene-d5	4.949	82	345589	40.42	ppb	-0.02
Spiked Amount 50.000			Recovery = 80.84%			
51) 2-Fluorobiphenyl	6.254	172	754427	42.14	ppb	-0.02
Spiked Amount 50.000			Recovery = 84.28%			
73) 2,4,6-Tribromophenol	7.688	330	96841	42.82	ppb	-0.03
Spiked Amount 50.000			Recovery = 85.64%			
85) Terphenyl-d14	11.635	244	670645	44.06	ppb	-0.04
Spiked Amount 50.000			Recovery = 88.12%			
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
90) bis(2-Ethylhexyl)phtha...	14.224	149	453525	29.54	ppb	98

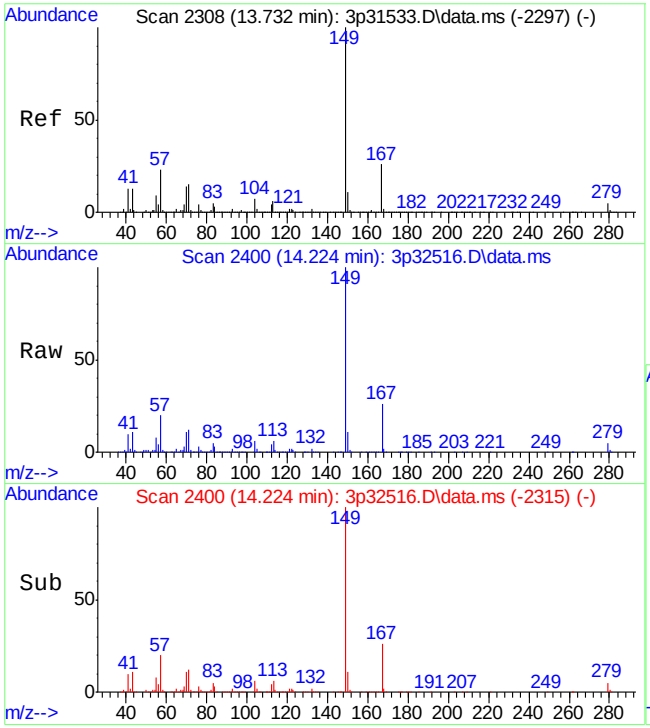
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32516.D
Acq On : 10 Jun 2014 11:41 am
Operator : samtap
Sample : op75383-mb1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:44:11 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

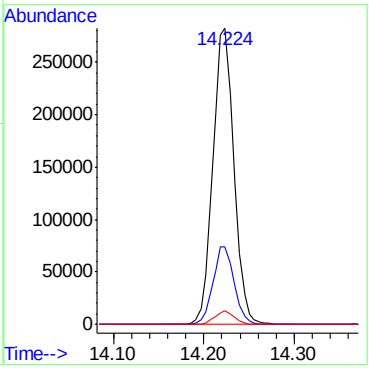




#90
bis(2-Ethylhexyl)phthalate
Concen: 29.54 ppb
RT: 14.224 min Scan# 2400
Delta R.T. -0.048 min
Lab File: 3p32516.D
Acq: 10 Jun 2014 11:41 am

Tgt Ion:149 Resp: 453525

Ion	Ratio	Lower	Upper
149	100		
167	26.3	0.0	57.5
279	4.7	0.0	34.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92721.D
Acq On : 18 Jun 2014 12:52 pm
Operator : ashleyv
Sample : op75437-mb1
Misc : op75437,ez4606,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 15:31:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:30:40 2014
Response via : Initial Calibration

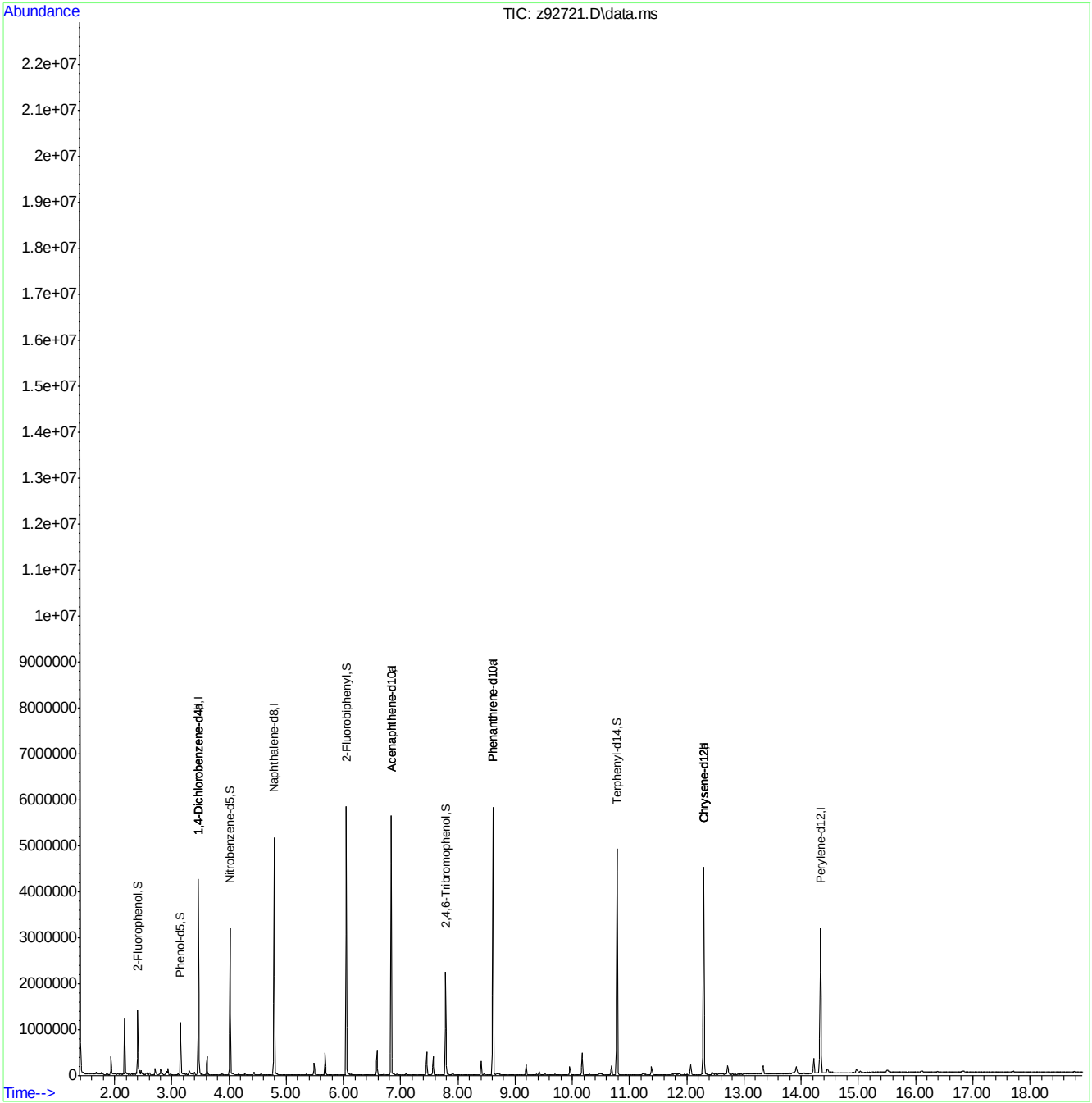
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.465	152	496542	40.00	ppb	0.00
24) Naphthalene-d8	4.790	136	2016907	40.00	ppb	0.00
47) Acenaphthene-d10	6.836	164	1156582	40.00	ppb	0.00
69) Phenanthrene-d10	8.615	188	2024659	40.00	ppb	0.00
83) Chrysene-d12	12.296	240	1907073	40.00	ppb	0.00
92) Perylene-d12	14.342	264	1414717	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.465	152	496542	40.00	ppb	0.00
104) Phenanthrene-d10a	8.615	188	2024659	40.00	ppb	0.00
106) Chrysene-d12a	12.296	240	1907073	40.00	ppb	0.00
108) Acenaphthene-d10a	6.836	164	1156582	40.00	ppb	0.00
110) 1,4-Dichlorobenzene-d4b	3.465	152	496542	40.00	ppb	0.00
112) Chrysene-d12b	12.296	240	1907073	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.407	112	298213	17.58	ppb	0.00
Spiked Amount 50.000			Recovery = 35.16%			
8) Phenol-d5	3.150	99	282093	13.20	ppb	0.00
Spiked Amount 50.000			Recovery = 26.40%			
25) Nitrobenzene-d5	4.021	82	850304	47.84	ppb	0.00
Spiked Amount 50.000			Recovery = 95.68%			
51) 2-Fluorobiphenyl	6.051	172	1553986	42.38	ppb	0.00
Spiked Amount 50.000			Recovery = 84.76%			
73) 2,4,6-Tribromophenol	7.787	330	217729	44.01	ppb	0.00
Spiked Amount 50.000			Recovery = 88.02%			
86) Terphenyl-d14	10.784	244	1721313	44.88	ppb	0.00
Spiked Amount 50.000			Recovery = 89.76%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92721.D
Acq On : 18 Jun 2014 12:52 pm
Operator : ashleyv
Sample : op75437-mb1
Misc : op75437,ez4606,1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 15:31:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:30:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92318.D
Acq On : 10 Jun 2014 12:19 am
Operator : ashleyd
Sample : op75437-bs1
Misc : op75437,ez4590,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 16:14:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.609	152	249676	40.00	ppb	-0.03
24) Naphthalene-d8	4.945	136	997725	40.00	ppb	-0.03
47) Acenaphthene-d10	6.996	164	538616	40.00	ppb	-0.03
69) Phenanthrene-d10	8.786	188	913912	40.00	ppb	-0.04
83) Chrysene-d12	12.499	240	891236	40.00	ppb	-0.04
92) Perylene-d12	14.545	264	805463	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.609	152	249676	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.786	188	913912	40.00	ppb	-0.04
106) Chrysene-d12a	12.499	240	891236	40.00	ppb	-0.04
108) Acenaphthene-d10a	6.996	164	538616	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.546	112	210797	24.71	ppb	-0.02
Spiked Amount 50.000			Recovery =	49.42%		
8) Phenol-d5	3.305	99	180098	16.76	ppb	-0.02
Spiked Amount 50.000			Recovery =	33.52%		
25) Nitrobenzene-d5	4.165	82	422723	48.08	ppb	-0.03
Spiked Amount 50.000			Recovery =	96.16%		
51) 2-Fluorobiphenyl	6.206	172	757234	44.35	ppb	-0.04
Spiked Amount 50.000			Recovery =	88.70%		
73) 2,4,6-Tribromophenol	7.953	330	127397	57.05	ppb	-0.03
Spiked Amount 50.000			Recovery =	114.10%		
86) Terphenyl-d14	10.971	244	889758	49.64	ppb	-0.04
Spiked Amount 50.000			Recovery =	99.28%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.617	88	96374	22.54	ppb	94
3) Pyridine	1.777	79	228685	20.65	ppb	93
4) N-Nitrosodimethylamine	1.750	74	140155	23.41	ppb	79
6) Indene	3.861	116	772894	45.72	ppb	99
7) Cumene	2.904	105	956558	40.00	ppb	96
9) Phenol	3.316	94	231014	19.15	ppb #	29
10) Aniline	3.310	93	373101	28.47	ppb	75
11) bis(2-Chloroethyl)ether	3.353	93	384508	45.49	ppb	99
12) 2-Chlorophenol	3.428	128	370646	38.55	ppb	96
13) Decane	3.444	43	419310	36.67	ppb	90
14) 1,3-Dichlorobenzene	3.556	146	390694	37.73	ppb	99
15) 1,4-Dichlorobenzene	3.625	146	393533	37.10	ppb	98
16) Benzyl alcohol	3.754	108	228945	39.53	ppb	89
17) 1,2-Dichlorobenzene	3.775	146	379587	38.18	ppb	97
18) Acetophenone	4.010	105	636680	46.06	ppb	94
19) 2-Methylphenol	3.887	108	285695	35.29	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.871	121	120690	43.22	ppb #	77
21) 3&4-Methylphenol	4.047	108	285486	32.85	ppb	99
22) n-Nitroso-di-n-propyla...	4.010	70	290890	47.75	ppb	92
23) Hexachloroethane	4.112	201	126633	38.62	ppb	97
26) Nitrobenzene	4.186	77	432625	44.51	ppb	92
27) Quinoline	5.351	129	860611	43.06	ppb	98
28) Isophorone	4.437	82	746701	46.51	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92318.D
Acq On : 10 Jun 2014 12:19 am
Operator : ashleyd
Sample : op75437-bs1
Misc : op75437,ez4590,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 16:14:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.528	139	228694	50.25	ppb		81
30)	2,4-Dimethylphenol	4.608	107	367193	48.38	ppb		93
31)	Benzoic Acid	4.747	105	114297	26.91	ppb	#	59
32)	bis(2-Chloroethoxy)met...	4.683	93	460705	47.20	ppb		99
33)	2,4-Dichlorophenol	4.817	162	320618	46.07	ppb		98
34)	2,6-Dichlorophenol	5.057	162	322723	47.28	ppb		99
36)	1,2,4-Trichlorobenzene	4.881	180	321153	38.75	ppb		96
38)	Naphthalene	4.966	128	1105452	39.72	ppb		100
39)	4-Chloroaniline	5.052	127	317587	28.94	ppb		97
40)	2,3-Dichloroaniline	6.110	161	425664	44.68	ppb		97
41)	Caprolactam	5.431	55	60979	13.15	ppb		92
42)	Hexachlorobutadiene	5.116	225	177896	39.72	ppb		98
43)	4-Chloro-3-methylphenol	5.661	107	352090	47.62	ppb		97
44)	2-Methylnaphthalene	5.762	141	686484	45.41	ppb		97
45)	1-Methylnaphthalene	5.880	141	734253	44.09	ppb		99
46)	Dimethylnaphthalene	6.505	156	751751	44.55	ppb		98
48)	Hexachlorocyclopentadiene	5.960	237	339008	79.62	ppb		98
49)	2,4,6-Trichlorophenol	6.126	196	241580	51.68	ppb		98
50)	2,4,5-Trichlorophenol	6.179	196	253874	51.20	ppb		100
52)	2-Chloronaphthalene	6.334	162	675953	42.19	ppb		97
53)	Biphenyl	6.323	154	1025658	45.02	ppb		100
54)	2-Nitroaniline	6.484	65	281176	63.99	ppb		85
55)	Dimethylphthalate	6.708	163	822787	48.09	ppb		100
56)	Acenaphthylene	6.825	152	983493	39.07	ppb		99
57)	2,6-Dinitrotoluene	6.777	165	185149	52.80	ppb		99
58)	3-Nitroaniline	6.980	138	163716	36.94	ppb		87
59)	Acenaphthene	7.034	153	727451	45.68	ppb		99
60)	2,4-Dinitrophenol	7.109	184	201113	85.91	ppb		85
61)	4-Nitrophenol	7.274	109	60404	30.12	ppb	#	71
62)	Dibenzofuran	7.242	168	1072548	48.54	ppb		84
63)	2,4-Dinitrotoluene	7.258	165	256827	53.66	ppb		86
64)	2,3,4,6-Tetrachlorophenol	7.418	232	199828	49.78	ppb		96
65)	Diethylphthalate	7.557	149	854983	51.33	ppb		99
66)	Fluorene	7.654	166	816874	47.27	ppb		97
67)	4-Chlorophenyl-phenyle...	7.670	204	383644	47.45	ppb		93
68)	4-Nitroaniline	7.723	138	237937	53.57	ppb		83
70)	4,6-Dinitro-2-methylph...	7.750	198	140198	47.79	ppb		90
71)	n-Nitrosodiphenylamine	7.824	169	575448	49.70	ppb		99
72)	1,2-Diphenylhydrazine	7.856	77	908311	50.45	ppb		92
74)	4-Bromophenyl-phenylether	8.252	248	229365	48.88	ppb		91
75)	Hexachlorobenzene	8.321	284	257952	46.07	ppb		98
76)	Pentachlorophenol	8.583	266	132982	46.71	ppb		99
77)	Phenanthrene	8.813	178	1177936	44.31	ppb		99
78)	Anthracene	8.877	178	1201872	46.65	ppb		100
79)	Carbazole	9.112	167	1191195	44.64	ppb		99
80)	Di-n-butylphthalate	9.603	149	1448302	55.25	ppb		99
81)	Fluoranthene	10.394	202	1256711	48.56	ppb		96
82)	Octadecane	8.717	57	670481	53.43	ppb		93
84)	Pyrene	10.704	202	1287700	47.39	ppb		99
87)	Butylbenzylphthalate	11.735	149	636139	58.05	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92318.D
Acq On : 10 Jun 2014 12:19 am
Operator : ashleyd
Sample : op75437-bs1
Misc : op75437,ez4590,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 16:14:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

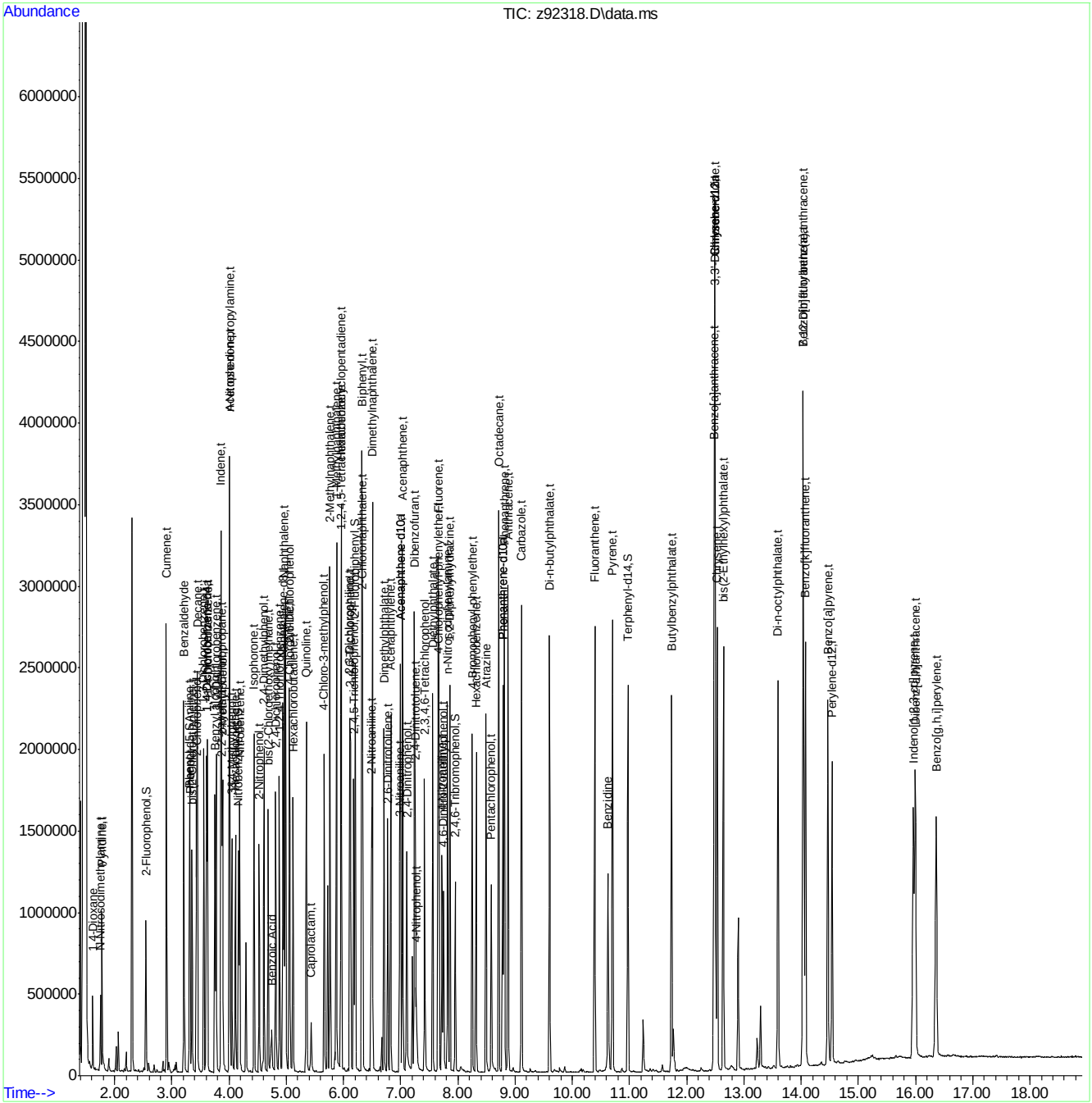
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88)	Benzo[a]anthracene	12.483	228	1171157	47.78	ppb		100
89)	3,3'-Dichlorobenzidine	12.494	252	669563	83.10	ppb		99
90)	Chrysene	12.536	228	1147776	47.17	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.643	149	898929	60.39	ppb		100
93)	Di-n-octylphthalate	13.594	149	1484036	54.45	ppb		97
94)	Benzo[b]fluoranthene	14.037	252	1248558	52.02	ppb		98
95)	Benzo[k]fluoranthene	14.075	252	1109373	44.74	ppb		98
96)	Benzo[a]pyrene	14.465	252	1073640	50.35	ppb		97
97)	Indeno[1,2,3-cd]pyrene	15.961	276	1043402	50.73	ppb		95
99)	Dibenz[a,h]anthracene	15.998	278	1068001	49.24	ppb		97
100)	7,12-Dimethylbenz(a)an...	14.037	256	599328	64.12	ppb		99
101)	Benzo[g,h,i]perylene	16.361	276	1023078	47.75	ppb		96
103)	Benzaldehyde	3.209	105	367527	62.70	ppb		85
105)	Atrazine	8.498	215	134576	65.28	ppb	#	78
107)	Benzidine	10.624	184	531094	58.05	ppb		99
109)	1,2,4,5-Tetrachloroben...	5.965	216	296230	45.56	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92318.D
Acq On : 10 Jun 2014 12:19 am
Operator : ashleyd
Sample : op75437-bs1
Misc : op75437,ez4590,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 16:14:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32517.D
Acq On : 10 Jun 2014 12:07 pm
Operator : samtap
Sample : op75383-bs1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 10:26:14 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	4.553	152	269308	40.00	ppb	-0.02
24) Naphthalene-d8	5.473	136	942400	40.00	ppb	-0.02
47) Acenaphthene-d10	6.837	164	495794	40.00	ppb	-0.03
69) Phenanthrene-d10	8.640	188	805627	40.00	ppb	-0.03
83) Chrysene-d12	13.822	240	767983	40.00	ppb	-0.05
91) Perylene-d12	16.850	264	654139	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.553	152	269308	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.837	164	495794	40.00	ppb	-0.03
107) Chrysene-d12a	13.822	240	767983	40.00	ppb	-0.05
109) Naphthalene-d8a	5.473	136	942400	40.00	ppb	-0.02
111) Phenanthrene-d10a	8.640	188	805627	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.580	112	353654	39.69	ppb	0.00
Spiked Amount 50.000			Recovery = 79.38%			
8) Phenol-d5	4.296	99	417372	40.22	ppb	-0.01
Spiked Amount 50.000			Recovery = 80.44%			
25) Nitrobenzene-d5	4.954	82	309966	39.76	ppb	-0.02
Spiked Amount 50.000			Recovery = 79.52%			
51) 2-Fluorobiphenyl	6.254	172	651449	41.29	ppb	-0.02
Spiked Amount 50.000			Recovery = 82.58%			
73) 2,4,6-Tribromophenol	7.688	330	100456	49.07	ppb	-0.03
Spiked Amount 50.000			Recovery = 98.14%			
85) Terphenyl-d14	11.635	244	671568	44.47	ppb	-0.04
Spiked Amount 50.000			Recovery = 88.94%			
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	2.071	88	103912	25.76	ppb	98
3) Pyridine	2.398	79	312889	31.19	ppb	96
4) N-Nitrosodimethylamine	2.366	42	137031	37.67	ppb	98
6) Indene	4.740	116	692001	44.29	ppb	97
7) Cumene	3.965	105	927035	38.95	ppb	100
9) Phenol	4.307	94	478662	41.34	ppb	75
10) Aniline	4.313	93	477857	41.28	ppb	86
11) bis(2-Chloroethyl)ether	4.361	93	320267	43.65	ppb	98
12) 2-Chlorophenol	4.403	128	413805	42.51	ppb	99
13) Decane	4.441	43	253841	37.76	ppb	95
14) 1,3-Dichlorobenzene	4.510	146	440129	39.46	ppb	99
15) 1,4-Dichlorobenzene	4.564	146	443464	40.00	ppb	98
16) Benzyl alcohol	4.655	108	242848	45.38	ppb	99
17) 1,2-Dichlorobenzene	4.676	146	425503	41.39	ppb	99
18) Acetophenone	4.842	105	519595	42.76	ppb	91
19) 2-Methylphenol	4.746	108	320178	45.29	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.751	45	303258	41.75	ppb	93
21) 3&4-Methylphenol	4.853	108	328028	44.56	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32517.D
Acq On : 10 Jun 2014 12:07 pm
Operator : samtap
Sample : op75383-bs1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 10:26:14 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)
22) n-Nitroso-di-n-propyla...	4.847	70	202558	42.92	ppb		98
23) Hexachloroethane	4.922	201	146882	41.61	ppb		88
26) Nitrobenzene	4.965	77	322268	39.38	ppb		92
27) Quinoline	5.725	129	752919	41.21	ppb		99
28) Isophorone	5.142	82	534139	38.61	ppb		97
29) 2-Nitrophenol	5.195	139	214079	46.03	ppb		94
30) 2,4-Dimethylphenol	5.232	107	341821	52.12	ppb		98
31) Benzoic acid	5.318	105	212156	40.75	ppb		96
32) bis(2-Chloroethoxy)met...	5.297	93	361484	43.34	ppb		100
33) 2,4-Dichlorophenol	5.377	162	329262	44.05	ppb		99
34) 2,6-Dichlorophenol	5.532	162	308250	43.43	ppb		96
36) 1,2,4-Trichlorobenzene	5.430	180	335808	40.00	ppb		99
38) Naphthalene	5.484	128	976035	39.92	ppb		100
39) 4-Chloroaniline	5.527	127	351122	34.31	ppb		98
40) 2,3-Dichloroaniline	6.190	161	396290	39.46	ppb		99
41) Caprolactam	5.783	113	110505	40.50	ppb		93
42) Hexachlorobutadiene	5.580	225	179337	40.59	ppb		100
43) 4-Chloro-3-methylphenol	5.880	107	299009	42.94	ppb	#	96
44) 2-Methylnaphthalene	5.981	141	618266	42.06	ppb		99
45) 1-Methylnaphthalene	6.056	141	669707	41.42	ppb		99
46) Dimethylnaphthalene	6.463	156	670814	41.37	ppb		97
48) Hexachlorocyclopentadiene	6.104	237	419383	109.26	ppb		99
49) 2,4,6-Trichlorophenol	6.195	196	213553	46.81	ppb		100
50) 2,4,5-Trichlorophenol	6.227	196	228597	44.93	ppb		98
52) 2-Chloronaphthalene	6.356	162	614001	41.75	ppb		97
53) Biphenyl	6.334	154	906201	43.39	ppb		99
54) 2-Nitroaniline	6.436	65	164963	47.03	ppb		97
55) Dimethylphthalate	6.586	163	677089	42.68	ppb		99
56) Acenaphthylene	6.709	152	877707	37.08	ppb		99
57) 2,6-Dinitrotoluene	6.639	165	154603	47.61	ppb		94
58) 3-Nitroaniline	6.794	138	168131	39.69	ppb		95
59) Acenaphthene	6.869	153	634183	44.15	ppb		99
60) 2,4-Dinitrophenol	6.891	184	171037	103.87	ppb		84
61) 4-Nitrophenol	6.965	109	94845	51.69	ppb		97
62) Dibenzofuran	7.040	168	914483	45.09	ppb		99
63) 2,4-Dinitrotoluene	7.019	165	207620	47.32	ppb		98
64) 2,3,4,6-Tetrachlorophenol	7.169	232	168905	46.28	ppb		99
65) Diethylphthalate	7.281	149	716591	44.66	ppb		99
66) Fluorene	7.404	166	723176	44.12	ppb		99
67) 4-Chlorophenyl-phenyle...	7.404	204	328793	45.19	ppb		97
68) 4-Nitroaniline	7.425	138	199912	46.42	ppb		95
70) 4,6-Dinitro-2-methylph...	7.463	198	113173	49.78	ppb		92
71) n-Nitrosodiphenylamine	7.543	169	485122	45.37	ppb		99
72) 1,2-Diphenylhydrazine	7.591	77	612088	43.34	ppb		98
74) 4-Bromophenyl-phenylether	8.008	248	192059	45.78	ppb		100
75) Hexachlorobenzene	8.094	284	208345	43.71	ppb		92
76) Pentachlorophenol	8.372	266	135674	46.61	ppb		98
77) Phenanthrene	8.672	178	983152	42.94	ppb		99
78) Anthracene	8.752	178	997099	44.70	ppb		99
79) Carbazole	9.019	167	1004830	40.51	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32517.D
Acq On : 10 Jun 2014 12:07 pm
Operator : samtap
Sample : op75383-bs1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 10:26:14 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

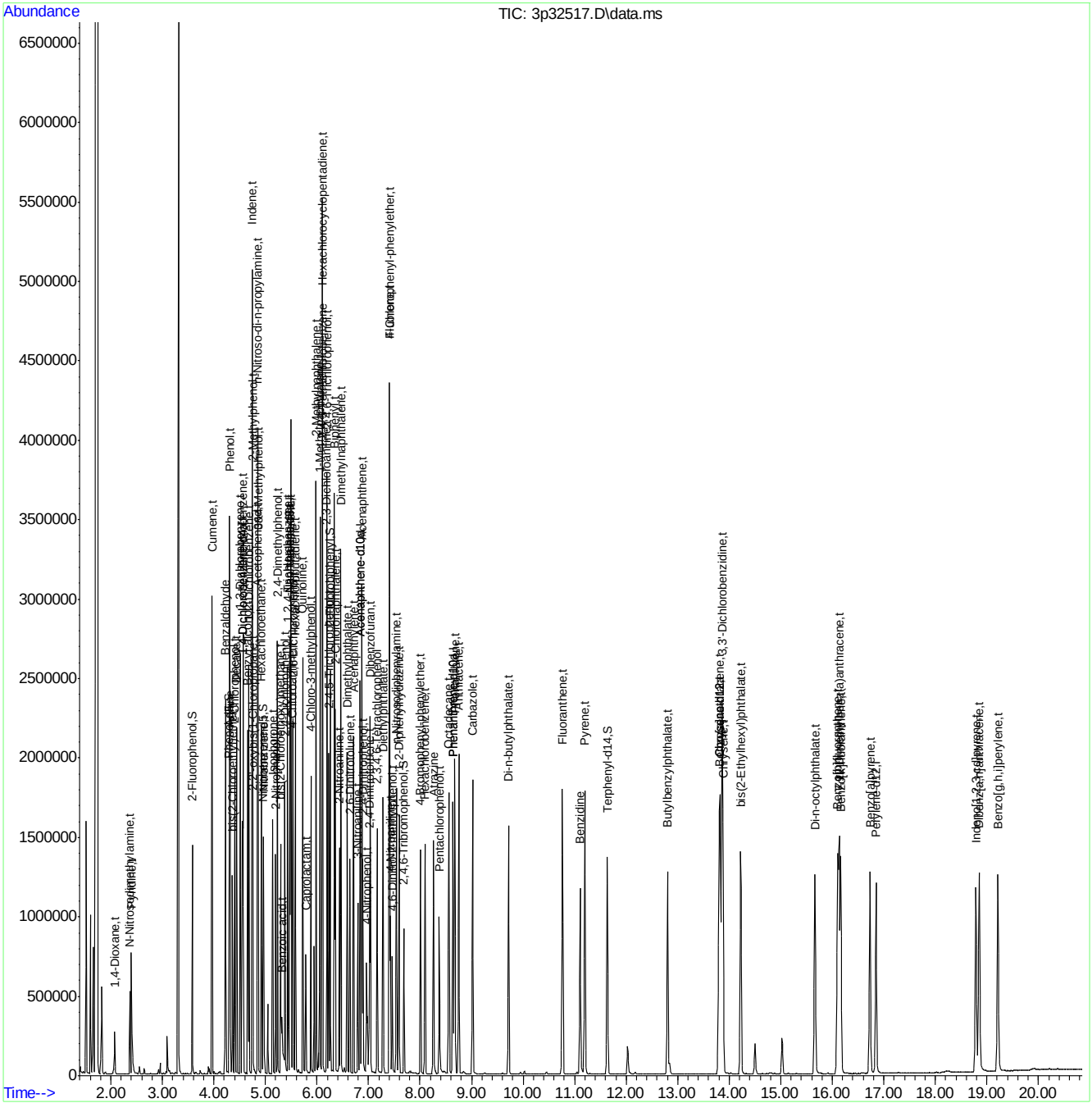
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.715	149	1229613	44.70	ppb	99
81) Fluoranthene	10.763	202	1092279	43.44	ppb	100
82) Octadecane	8.559	57	410322	46.39	ppb	99
84) Pyrene	11.202	202	1121580	44.06	ppb	99
86) Butylbenzylphthalate	12.806	149	549608	46.16	ppb	100
87) Benzo[a]anthracene	13.806	228	918374	42.76	ppb	100
88) 3,3'-Dichlorobenzidine	13.860	252	712509	92.38	ppb	99
89) Chrysene	13.881	228	878964	46.33	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.224	149	781676	51.31	ppb	98
92) Di-n-octylphthalate	15.662	149	1246153	48.35	ppb	100
93) Benzo[b]fluoranthene	16.106	252	938250	46.41	ppb	98
94) Benzo[k]fluoranthene	16.165	252	901069	46.35	ppb	98
95) Benzo[a]pyrene	16.732	252	822268	46.39	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.786	276	779596	44.91	ppb	97
98) Dibenz[a,h]anthracene	18.850	278	786264	45.30	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.133	256	491055	73.16	ppb	99
100) Benzo[g,h,i]perylene	19.214	276	806377	45.42	ppb	99
102) Benzaldehyde	4.227	105	315954	55.44	ppb	99
105) Atrazine	8.260	215	105949	55.69	ppb	99
106) 1,2,4,5-Tetrachloroben...	6.110	216	310344	43.45	ppb	99
108) Benzidine	11.105	184	700562	71.47	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32517.D
Acq On : 10 Jun 2014 12:07 pm
Operator : samtap
Sample : op75383-bs1
Misc : op75383,e3p1394,35.0,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 10:26:14 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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92476.D
Acq On : 13 Jun 2014 1:33 am
Operator : olgaa
Sample : op75437-ms
Misc : op75437,ez4597,500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:50:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.561	152	229483	40.00	ppb		-0.01
24) Naphthalene-d8	4.892	136	893477	40.00	ppb		-0.01
47) Acenaphthene-d10	6.938	164	482293	40.00	ppb		-0.02
69) Phenanthrene-d10	8.722	188	789075	40.00	ppb		-0.02
83) Chrysene-d12	12.424	240	782688	40.00	ppb		-0.02
92) Perylene-d12	14.465	264	712741	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	229483	40.00	ppb		-0.01
104) Phenanthrene-d10a	8.722	188	789075	40.00	ppb		-0.02
106) Chrysene-d12a	12.424	240	782688	40.00	ppb		-0.02
108) Acenaphthene-d10a	6.938	164	482293	40.00	ppb		-0.02
110) 1,4-Dichlorobenzene-d4b	3.561	152	229483	40.00	ppb		0.00
112) Chrysene-d12b	12.424	240	782688	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.498	112	265427	33.85	ppb		-0.01
Spiked Amount 50.000			Recovery = 67.70%				
8) Phenol-d5	3.246	99	284463	28.80	ppb		-0.02
Spiked Amount 50.000			Recovery = 57.60%				
25) Nitrobenzene-d5	4.117	82	375040	47.63	ppb		-0.02
Spiked Amount 50.000			Recovery = 95.26%				
51) 2-Fluorobiphenyl	6.158	172	658831	43.09	ppb		-0.02
Spiked Amount 50.000			Recovery = 86.18%				
73) 2,4,6-Tribromophenol	7.894	330	110305	57.21	ppb		-0.02
Spiked Amount 50.000			Recovery = 114.42%				
86) Terphenyl-d14	10.907	244	741445	47.10	ppb		-0.02
Spiked Amount 50.000			Recovery = 94.20%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.585	88	124318	31.64	ppb		95
3) Pyridine	1.745	79	175702	17.26	ppb		91
4) N-Nitrosodimethylamine	1.713	74	186805	33.94	ppb		73
6) Indene	3.813	116	707721	45.54	ppb		98
7) Cumene	2.862	105	937136	42.63	ppb		96
9) Phenol	3.257	94	346670	31.27	ppb	#	47
10) Aniline	3.262	93	303558	25.20	ppb	#	40
11) bis(2-Chloroethyl)ether	3.305	93	353011	45.43	ppb		95
12) 2-Chlorophenol	3.380	128	369573	41.82	ppb		99
13) Decane	3.401	43	433182	41.22	ppb		89
14) 1,3-Dichlorobenzene	3.508	146	366672	38.53	ppb		99
15) 1,4-Dichlorobenzene	3.577	146	372885	38.25	ppb		99
16) Benzyl alcohol	3.706	108	239989	45.09	ppb		91
17) 1,2-Dichlorobenzene	3.727	146	359631	39.36	ppb		98
18) Acetophenone	3.962	105	583018	45.89	ppb		93
19) 2-Methylphenol	3.834	108	304315	40.90	ppb		95
20) 2,2'-oxybis(1-Chloropr...	3.829	121	109390	42.62	ppb	#	80
21) 3&4-Methylphenol	3.989	108	316057	39.57	ppb		98
22) n-Nitroso-di-n-propyla...	3.962	70	273142	48.78	ppb		90
23) Hexachloroethane	4.064	201	121353	40.27	ppb		98
26) Nitrobenzene	4.138	77	398372	45.77	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92476.D
Acq On : 13 Jun 2014 1:33 am
Operator : olgaa
Sample : op75437-ms
Misc : op75437,ez4597,500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:50:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Quinoline	5.303	129	667908	37.32	ppb		98
28) Isophorone	4.389	82	686476	47.75	ppb		97
29) 2-Nitrophenol	4.475	139	202801	49.76	ppb		79
30) 2,4-Dimethylphenol	4.555	107	351254	51.68	ppb		93
31) Benzoic Acid	4.715	105	238814	62.79	ppb	#	62
32) bis(2-Chloroethoxy)met...	4.635	93	421386	48.21	ppb		98
33) 2,4-Dichlorophenol	4.758	162	293969	47.17	ppb		99
34) 2,6-Dichlorophenol	5.004	162	284975	46.63	ppb		99
36) 1,2,4-Trichlorobenzene	4.833	180	297663	40.10	ppb		98
38) Naphthalene	4.913	128	1008369	40.46	ppb		100
39) 4-Chloroaniline	4.998	127	250603	25.50	ppb		95
40) 2,3-Dichloroaniline	6.056	161	358302	42.00	ppb		97
41) Caprolactam	5.383	55	110474	26.61	ppb		94
42) Hexachlorobutadiene	5.068	225	168423	41.99	ppb		97
43) 4-Chloro-3-methylphenol	5.602	107	331814	50.11	ppb		95
44) 2-Methylnaphthalene	5.709	141	610795	45.12	ppb		95
45) 1-Methylnaphthalene	5.827	141	664634	44.56	ppb		98
46) Dimethylnaphthalene	6.452	156	673985	44.60	ppb		96
48) Hexachlorocyclopentadiene	5.907	237	344279	90.30	ppb		99
49) 2,4,6-Trichlorophenol	6.067	196	216805	51.80	ppb		98
50) 2,4,5-Trichlorophenol	6.120	196	232836	52.44	ppb		99
52) 2-Chloronaphthalene	6.281	162	611451	42.62	ppb		97
53) Biphenyl	6.270	154	929641	45.57	ppb		100
54) 2-Nitroaniline	6.430	65	239086	60.77	ppb		86
55) Dimethylphthalate	6.660	163	743778	48.55	ppb		99
56) Acenaphthylene	6.767	152	878958	39.00	ppb		100
57) 2,6-Dinitrotoluene	6.719	165	163362	52.02	ppb		83
58) 3-Nitroaniline	6.927	138	138451	34.89	ppb		89
59) Acenaphthene	6.980	153	661695	46.40	ppb		98
60) 2,4-Dinitrophenol	7.050	184	215630	100.69	ppb		74
61) 4-Nitrophenol	7.205	109	95275	53.06	ppb	#	80
62) Dibenzofuran	7.189	168	929544	46.98	ppb		85
63) 2,4-Dinitrotoluene	7.205	165	226550	52.86	ppb		64
64) 2,3,4,6-Tetrachlorophenol	7.360	232	179457	49.93	ppb		94
65) Diethylphthalate	7.509	149	775895	52.02	ppb		99
66) Fluorene	7.600	166	735482	47.53	ppb		98
67) 4-Chlorophenyl-phenyle...	7.616	204	346075	47.80	ppb		93
68) 4-Nitroaniline	7.664	138	198582	49.93	ppb		79
70) 4,6-Dinitro-2-methylph...	7.696	198	135825	53.63	ppb		96
71) n-Nitrosodiphenylamine	7.766	169	508265	50.84	ppb		100
72) 1,2-Diphenylhydrazine	7.803	77	837603	53.88	ppb		92
74) 4-Bromophenyl-phenylether	8.198	248	203829	50.31	ppb		92
75) Hexachlorobenzene	8.263	284	229863	47.55	ppb		91
76) Pentachlorophenol	8.524	266	135590	55.16	ppb		99
77) Phenanthrene	8.754	178	1044829	45.52	ppb		99
78) Anthracene	8.818	178	1052303	47.30	ppb		99
79) Carbazole	9.048	167	1037748	45.04	ppb		99
80) Di-n-butylphthalate	9.545	149	1285255	56.78	ppb		99
81) Fluoranthene	10.325	202	1108901	49.62	ppb		96
82) Octadecane	8.663	57	596527	55.05	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92476.D
Acq On : 13 Jun 2014 1:33 am
Operator : olgaa
Sample : op75437-ms
Misc : op75437,ez4597,500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:50:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

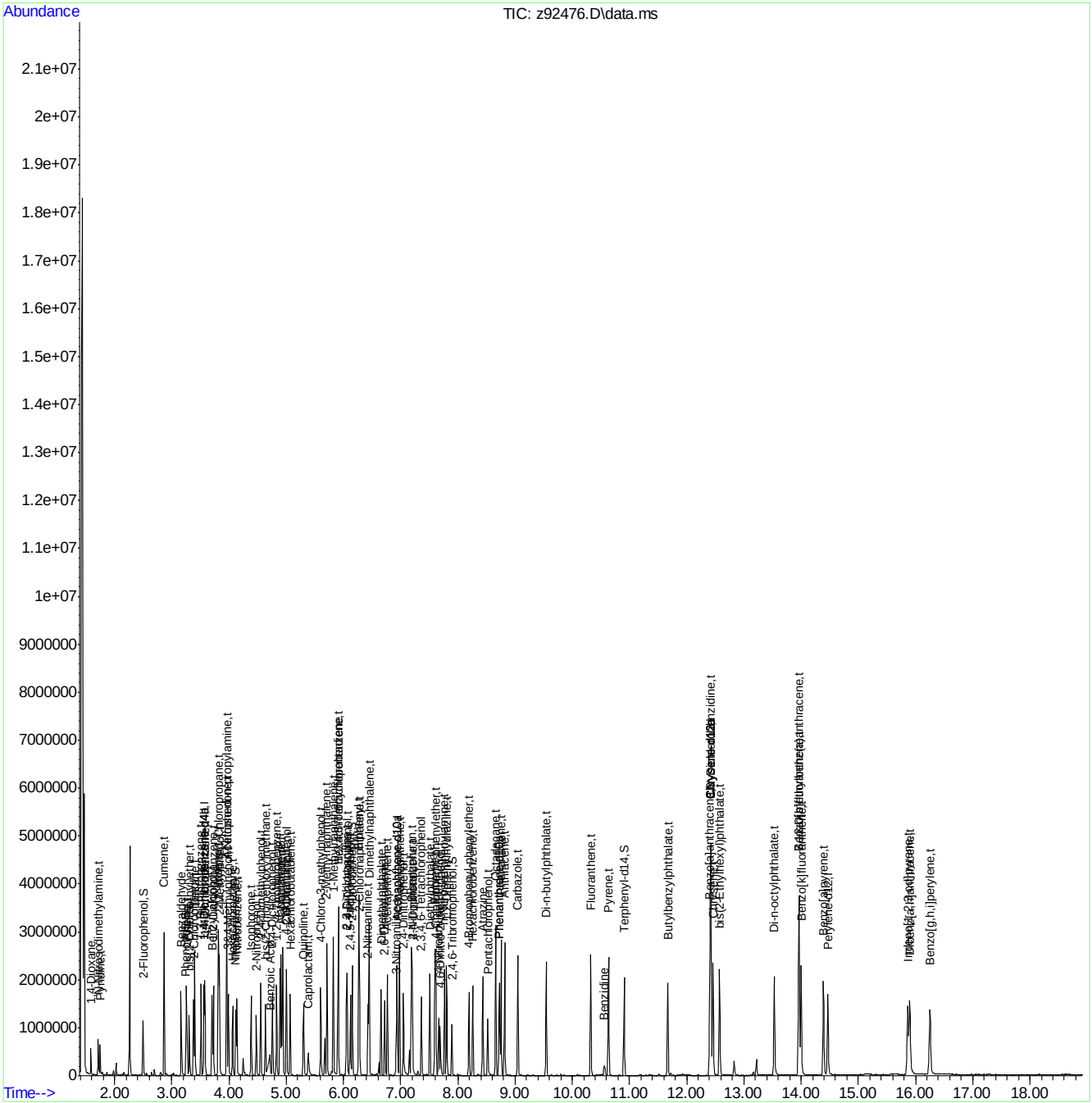
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Pyrene	10.635	202	1153500	48.34	ppb		99
87) Butylbenzylphthalate	11.671	149	553697	57.53	ppb		98
88) Benzo[a]anthracene	12.408	228	1036079	48.13	ppb		99
89) 3,3'-Dichlorobenzidine	12.424	252	649942	91.85	ppb		99
90) Chrysene	12.462	228	1010390	47.29	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.579	149	781176	59.76	ppb		100
93) Di-n-octylphthalate	13.530	149	1243547	51.97	ppb		96
94) Benzo[b]fluoranthene	13.963	252	1054885	49.66	ppb		98
95) Benzo[k]fluoranthene	14.000	252	1041525	47.47	ppb		98
96) Benzo[a]pyrene	14.390	252	917086	48.61	ppb		97
97) Indeno[1,2,3-cd]pyrene	15.865	276	910460	50.02	ppb		96
99) Dibenz[a,h]anthracene	15.902	278	943162	49.14	ppb		97
100) 7,12-Dimethylbenz(a)an...	13.963	256	518677	62.71	ppb		97
101) Benzo[g,h,i]perylene	16.255	276	928721	48.98	ppb		95
103) Benzaldehyde	3.166	105	309587	57.46	ppb		85
105) Atrazine	8.439	215	116546	65.56	ppb	#	79
107) Benzidine	10.560	184	99082	12.33	ppb		97
109) 1,2,4,5-Tetrachloroben...	5.912	216	273750	47.02	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92476.D
Acq On : 13 Jun 2014 1:33 am
Operator : olgaa
Sample : op75437-ms
Misc : op75437,ez4597,500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:50:23 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92477.D
Acq On : 13 Jun 2014 1:59 am
Operator : olgaa
Sample : op75437-msd
Misc : op75437,ez4597,500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:50:53 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	223677	40.00	ppb	-0.01
24) Naphthalene-d8	4.892	136	890106	40.00	ppb	-0.01
47) Acenaphthene-d10	6.938	164	483968	40.00	ppb	-0.02
69) Phenanthrene-d10	8.727	188	797130	40.00	ppb	-0.02
83) Chrysene-d12	12.424	240	785466	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	705683	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	223677	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.727	188	797130	40.00	ppb	-0.02
106) Chrysene-d12a	12.424	240	785466	40.00	ppb	-0.02
108) Acenaphthene-d10a	6.938	164	483968	40.00	ppb	-0.02
110) 1,4-Dichlorobenzene-d4b	3.561	152	223677	40.00	ppb	0.00
112) Chrysene-d12b	12.424	240	785466	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.493	112	279026	36.50	ppb	-0.02
Spiked Amount 50.000			Recovery = 73.00%			
8) Phenol-d5	3.246	99	292362	30.37	ppb	-0.02
Spiked Amount 50.000			Recovery = 60.74%			
25) Nitrobenzene-d5	4.117	82	399772	50.97	ppb	-0.02
Spiked Amount 50.000			Recovery = 101.94%			
51) 2-Fluorobiphenyl	6.158	172	712934	46.47	ppb	-0.02
Spiked Amount 50.000			Recovery = 92.94%			
73) 2,4,6-Tribromophenol	7.894	330	120448	61.84	ppb	-0.02
Spiked Amount 50.000			Recovery = 123.68%			
86) Terphenyl-d14	10.907	244	809878	51.27	ppb	-0.02
Spiked Amount 50.000			Recovery = 102.54%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.585	88	132491	34.59	ppb	94
3) Pyridine	1.740	79	233990	23.58	ppb	88
4) N-Nitrosodimethylamine	1.713	74	199915	37.27	ppb	74
6) Indene	3.812	116	739296	48.81	ppb	97
7) Cumene	2.862	105	976166	45.56	ppb	96
9) Phenol	3.257	94	360453	33.36	ppb #	38
10) Aniline	3.262	93	384835	32.78	ppb	53
11) bis(2-Chloroethyl)ether	3.305	93	376022	49.65	ppb	96
12) 2-Chlorophenol	3.374	128	388016	45.05	ppb	92
13) Decane	3.401	43	443657	43.31	ppb	92
14) 1,3-Dichlorobenzene	3.508	146	386550	41.67	ppb	99
15) 1,4-Dichlorobenzene	3.577	146	394983	41.57	ppb	97
16) Benzyl alcohol	3.706	108	263989	50.89	ppb	91
17) 1,2-Dichlorobenzene	3.727	146	374456	42.04	ppb	97
18) Acetophenone	3.962	105	619057	49.99	ppb	92
19) 2-Methylphenol	3.834	108	326584	45.03	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.823	121	115592	46.20	ppb #	73
21) 3&4-Methylphenol	3.989	108	343121	44.07	ppb	98
22) n-Nitroso-di-n-propyla...	3.962	70	287507	52.68	ppb	90
23) Hexachloroethane	4.064	201	131118	44.64	ppb	96
26) Nitrobenzene	4.138	77	433778	50.03	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92477.D
Acq On : 13 Jun 2014 1:59 am
Operator : olgaa
Sample : op75437-msd
Misc : op75437,ez4597,500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:50:53 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Quinoline	5.303	129	836058	46.89	ppb		98
28) Isophorone	4.389	82	736083	51.39	ppb		97
29) 2-Nitrophenol	4.475	139	220623	54.34	ppb		77
30) 2,4-Dimethylphenol	4.555	107	387675	57.25	ppb		94
31) Benzoic Acid	4.715	105	257855	68.05	ppb	#	62
32) bis(2-Chloroethoxy)met...	4.635	93	452572	51.97	ppb		99
33) 2,4-Dichlorophenol	4.758	162	317784	51.18	ppb		98
34) 2,6-Dichlorophenol	5.004	162	311734	51.20	ppb		99
36) 1,2,4-Trichlorobenzene	4.833	180	315320	42.64	ppb		97
38) Naphthalene	4.913	128	1067461	43.00	ppb		99
39) 4-Chloroaniline	4.998	127	288976	29.51	ppb		95
40) 2,3-Dichloroaniline	6.056	161	372951	43.88	ppb		98
41) Caprolactam	5.383	55	123870	29.95	ppb		94
42) Hexachlorobutadiene	5.068	225	176567	44.18	ppb		98
43) 4-Chloro-3-methylphenol	5.602	107	366535	55.56	ppb		92
44) 2-Methylnaphthalene	5.709	141	649087	48.13	ppb		96
45) 1-Methylnaphthalene	5.826	141	701844	47.24	ppb		98
46) Dimethylnaphthalene	6.452	156	730865	48.55	ppb		96
48) Hexachlorocyclopentadiene	5.907	237	363949	95.13	ppb		99
49) 2,4,6-Trichlorophenol	6.067	196	231213	55.05	ppb		98
50) 2,4,5-Trichlorophenol	6.120	196	247788	55.62	ppb		100
52) 2-Chloronaphthalene	6.281	162	660075	45.85	ppb		96
53) Biphenyl	6.270	154	1000814	48.89	ppb		99
54) 2-Nitroaniline	6.430	65	271952	68.88	ppb		85
55) Dimethylphthalate	6.660	163	806935	52.49	ppb		99
56) Acenaphthylene	6.767	152	939574	41.54	ppb		99
57) 2,6-Dinitrotoluene	6.724	165	177835	56.44	ppb		96
58) 3-Nitroaniline	6.927	138	154796	38.87	ppb		93
59) Acenaphthene	6.980	153	707836	49.46	ppb		98
60) 2,4-Dinitrophenol	7.050	184	241383	111.04	ppb		73
61) 4-Nitrophenol	7.205	109	99882	55.43	ppb	#	80
62) Dibenzofuran	7.189	168	1013268	51.04	ppb		86
63) 2,4-Dinitrotoluene	7.205	165	248427	57.76	ppb		62
64) 2,3,4,6-Tetrachlorophenol	7.360	232	196254	54.41	ppb		95
65) Diethylphthalate	7.509	149	835517	55.83	ppb		99
66) Fluorene	7.595	166	787022	50.69	ppb		97
67) 4-Chlorophenyl-phenyle...	7.616	204	376129	51.77	ppb		93
68) 4-Nitroaniline	7.664	138	217873	54.59	ppb		81
70) 4,6-Dinitro-2-methylph...	7.696	198	150244	58.72	ppb		93
71) n-Nitrosodiphenylamine	7.766	169	550018	54.46	ppb		99
72) 1,2-Diphenylhydrazine	7.803	77	896418	57.08	ppb		92
74) 4-Bromophenyl-phenylether	8.198	248	222814	54.44	ppb		93
75) Hexachlorobenzene	8.263	284	252011	51.61	ppb		95
76) Pentachlorophenol	8.524	266	153374	61.77	ppb		99
77) Phenanthrene	8.754	178	1140248	49.18	ppb		99
78) Anthracene	8.818	178	1139058	50.68	ppb		99
79) Carbazole	9.048	167	1134256	48.73	ppb		99
80) Di-n-butylphthalate	9.545	149	1391816	60.87	ppb		99
81) Fluoranthene	10.325	202	1200813	53.19	ppb		97
82) Octadecane	8.663	57	628793	57.44	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92477.D
Acq On : 13 Jun 2014 1:59 am
Operator : olgaa
Sample : op75437-msd
Misc : op75437,ez4597,500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:50:53 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

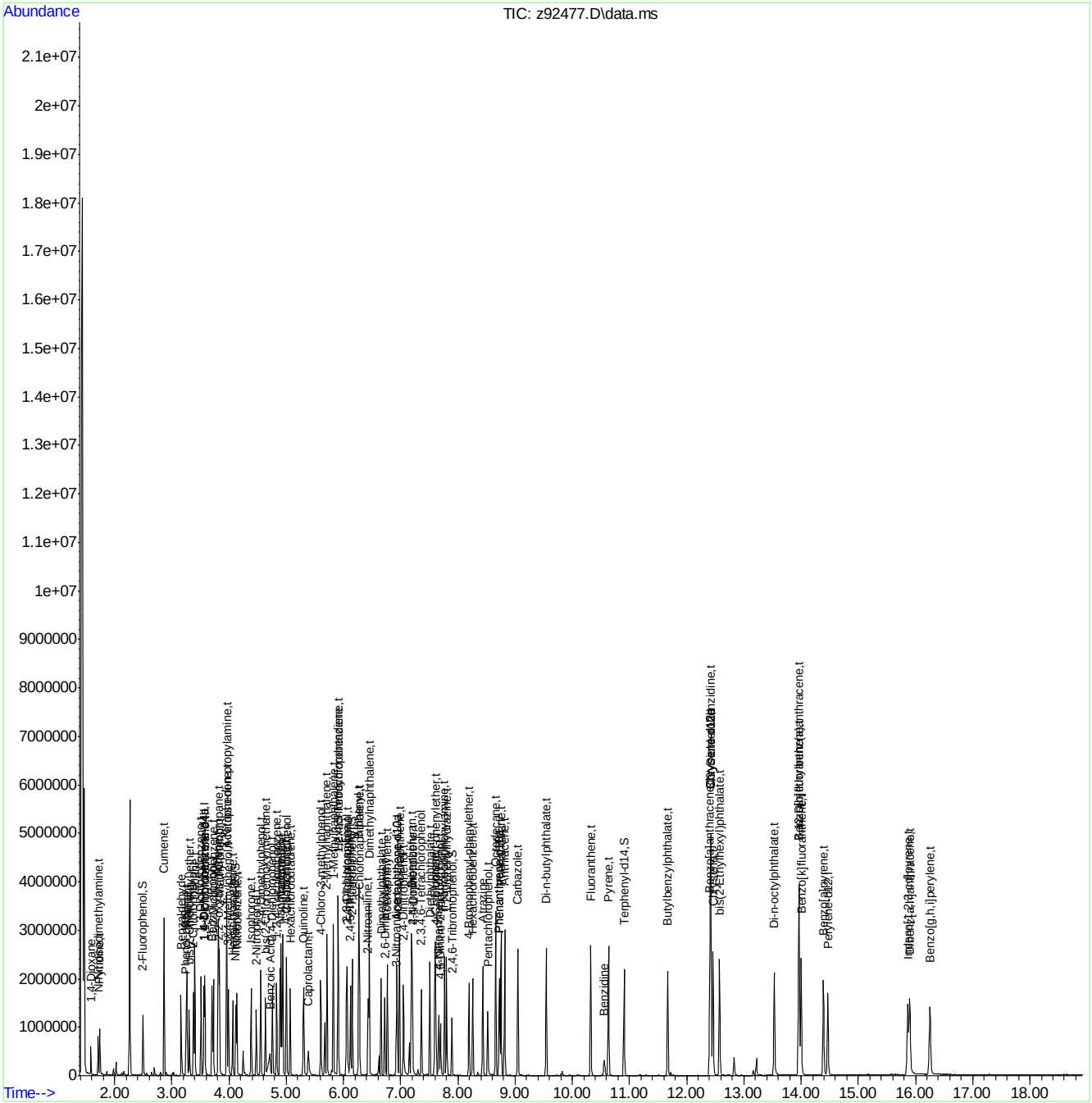
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Pyrene	10.634	202	1220785	50.97	ppb		99
87) Butylbenzylphthalate	11.666	149	598695	61.99	ppb		92
88) Benzo[a]anthracene	12.408	228	1106121	51.21	ppb		100
89) 3,3'-Dichlorobenzidine	12.424	252	672381	94.69	ppb		99
90) Chrysene	12.462	228	1096426	51.13	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.574	149	825492	62.93	ppb		98
93) Di-n-octylphthalate	13.530	149	1344130	56.02	ppb		97
94) Benzo[b]fluoranthene	13.963	252	1114799	53.01	ppb		98
95) Benzo[k]fluoranthene	14.000	252	1100812	50.68	ppb		98
96) Benzo[a]pyrene	14.390	252	970133	51.93	ppb		96
97) Indeno[1,2,3-cd]pyrene	15.865	276	938351	52.07	ppb		97
99) Dibenz[a,h]anthracene	15.902	278	983980	51.78	ppb		96
100) 7,12-Dimethylbenz(a)an...	13.963	256	548062	66.92	ppb		98
101) Benzo[g,h,i]perylene	16.255	276	948048	50.50	ppb		95
103) Benzaldehyde	3.161	105	277609	52.86	ppb		86
105) Atrazine	8.439	215	127142	73.46	ppb	#	78
107) Benzidine	10.554	184	145009	17.98	ppb		97
109) 1,2,4,5-Tetrachloroben...	5.912	216	298574	51.10	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92477.D
Acq On : 13 Jun 2014 1:59 am
Operator : olgaa
Sample : op75437-msd
Misc : op75437,ez4597,500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:50:53 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/18/14 12:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 16 09:33:53 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	4.537	152	299218	40.00	ppb	-0.03
24) Naphthalene-d8	5.457	136	1155097	40.00	ppb	-0.03
47) Acenaphthene-d10	6.832	164	566436	40.00	ppb	-0.03
69) Phenanthrene-d10	8.650	188	824101	40.00	ppb	-0.02
83) Chrysene-d12	13.903	240	609723	40.00	ppb	0.03
91) Perylene-d12	16.967	264	532971	40.00	ppb	0.06
101) 1,4-Dichlorobenzene-d4a	4.537	152	299218	40.00	ppb	-0.03
103) Acenaphthene-d10a	6.832	164	566436	40.00	ppb	-0.03
106) Chrysene-d12a	13.903	240	609723	40.00	ppb	0.03
108) Naphthalene-d8a	5.457	136	1155097	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.596	112	143791	14.52	ppb	0.01
Spiked Amount 50.000			Recovery = 29.04%			
8) Phenol-d5	4.323	99	181708	15.76	ppb	0.02
Spiked Amount 50.000			Recovery = 31.52%			
25) Nitrobenzene-d5	4.938	82	138914	14.54	ppb	-0.03
Spiked Amount 50.000			Recovery = 29.08%			
51) 2-Fluorobiphenyl	6.243	172	285989	15.87	ppb	-0.03
Spiked Amount 50.000			Recovery = 31.74%			
73) 2,4,6-Tribromophenol	7.693	330	35439	16.92	ppb	-0.03
Spiked Amount 50.000			Recovery = 33.84%			
85) Terphenyl-d14	11.662	244	197051	16.43	ppb	-0.02
Spiked Amount 50.000			Recovery = 32.86%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.018	88	24373	5.44	ppb	95
3) Pyridine	2.403	79	71683	6.43	ppb	86
4) N-Nitrosodimethylamine	2.328	42	51575	12.76	ppb	82
6) Indene	4.724	116	310713	17.90	ppb	97
7) Cumene	3.938	105	302519	11.44	ppb	99
9) Phenol	4.334	94	223414	17.37	ppb	87
11) bis(2-Chloroethyl)ether	4.339	93	139683	17.14	ppb	93
12) 2-Chlorophenol	4.409	128	183027	16.92	ppb	95
13) Decane	4.419	43	109051	14.60	ppb	87
14) 1,3-Dichlorobenzene	4.494	146	162822	13.14	ppb	100
15) 1,4-Dichlorobenzene	4.548	146	172786	14.03	ppb	97
16) Benzyl alcohol	4.649	108	110908	18.65	ppb	84
17) 1,2-Dichlorobenzene	4.660	146	167749	14.69	ppb	99
18) Acetophenone	4.831	105	253769	18.80	ppb	86
19) 2-Methylphenol	4.751	108	153678	19.56	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.735	45	174598	21.64	ppb	88
21) 3&4-Methylphenol	4.869	108	168098	20.55	ppb	99
22) n-Nitroso-di-n-propyla...	4.831	70	97606	18.62	ppb	95
23) Hexachloroethane	4.901	201	24498	6.25	ppb	83
26) Nitrobenzene	4.954	77	151497	15.10	ppb	100
27) Quinoline	5.746	129	353450	15.78	ppb	98
28) Isophorone	5.125	82	248480	14.65	ppb	97
29) 2-Nitrophenol	5.184	139	85832	15.06	ppb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 16 09:33:53 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)
30) 2,4-Dimethylphenol	5.232	107	162291	20.19	ppb		98
31) Benzoic acid	5.345	105	99478m	15.59	ppb		
32) bis(2-Chloroethoxy)met...	5.275	93	180774	17.68	ppb		98
33) 2,4-Dichlorophenol	5.393	162	150463	16.42	ppb		99
34) 2,6-Dichlorophenol	5.527	162	141642	16.28	ppb		97
36) 1,2,4-Trichlorobenzene	5.420	180	140894	13.69	ppb		97
38) Naphthalene	5.473	128	605612	20.21	ppb		100
39) 4-Chloroaniline	5.548	127	138366	11.03	ppb		99
40) 2,3-Dichloroaniline	6.184	161	179155	14.55	ppb		99
41) Caprolactam	5.773	113	56723	16.96	ppb		82
42) Hexachlorobutadiene	5.559	225	68117	12.58	ppb		97
43) 4-Chloro-3-methylphenol	5.890	107	135057	15.82	ppb	#	98
44) 2-Methylnaphthalene	5.971	141	333010	18.48	ppb		99
45) 1-Methylnaphthalene	6.045	141	372901	18.82	ppb		97
46) Dimethylnaphthalene	6.457	156	335178	16.87	ppb		100
49) 2,4,6-Trichlorophenol	6.195	196	94618	18.15	ppb		97
50) 2,4,5-Trichlorophenol	6.243	196	98378	16.92	ppb		95
52) 2-Chloronaphthalene	6.345	162	261998	15.59	ppb		95
53) Biphenyl	6.324	154	438996	18.40	ppb		100
54) 2-Nitroaniline	6.431	65	83292	20.79	ppb		84
55) Dimethylphthalate	6.575	163	341992	18.87	ppb		99
56) Acenaphthylene	6.698	152	457438	16.91	ppb		99
57) 2,6-Dinitrotoluene	6.634	165	63005	16.98	ppb		98
58) 3-Nitroaniline	6.794	138	73407	15.17	ppb		96
59) Acenaphthene	6.864	153	663537	40.44	ppb		98
60) 2,4-Dinitrophenol	6.912	184	5452	10.66	ppb		95
61) 4-Nitrophenol	7.008	109	41607	19.85	ppb		83
62) Dibenzofuran	7.035	168	679481	29.33	ppb		97
63) 2,4-Dinitrotoluene	7.030	165	77670m	15.49	ppb		
64) 2,3,4,6-Tetrachlorophenol	7.179	232	63587	15.25	ppb		94
65) Diethylphthalate	7.265	149	298087	16.26	ppb		98
66) Fluorene	7.404	166	750146	40.06	ppb		100
67) 4-Chlorophenyl-phenyle...	7.393	204	129434	15.57	ppb		98
68) 4-Nitroaniline	7.436	138	71497	14.53	ppb		98
70) 4,6-Dinitro-2-methylph...	7.490	198	5270	5.13	ppb		96
71) n-Nitrosodiphenylamine	7.538	169	241572	22.09	ppb		97
72) 1,2-Diphenylhydrazine	7.586	77	263189	18.22	ppb		74
74) 4-Bromophenyl-phenylether	8.003	248	70077	16.33	ppb		97
75) Hexachlorobenzene	8.110	284	67939	13.93	ppb		90
76) Pentachlorophenol	8.404	266	41430	13.91	ppb		98
77) Phenanthrene	8.698	178	3531542	150.80	ppb		99
78) Anthracene	8.768	178	1365983	59.86	ppb		99
79) Carbazole	9.046	167	808155	31.85	ppb		99
80) Di-n-butylphthalate	9.715	149	652338	23.18	ppb		99
81) Fluoranthene	10.827	202	4469795	173.78	ppb		98
82) Octadecane	8.549	57	214823	23.74	ppb		94
84) Pyrene	11.266	202	3802495	188.14	ppb		91
86) Butylbenzylphthalate	12.870	149	5745090	607.72	ppb		98
87) Benzo[a]anthracene	13.887	228	1684151	98.78	ppb		99
88) 3,3'-Dichlorobenzidine	13.913	252	169505	27.68	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 16 09:33:53 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

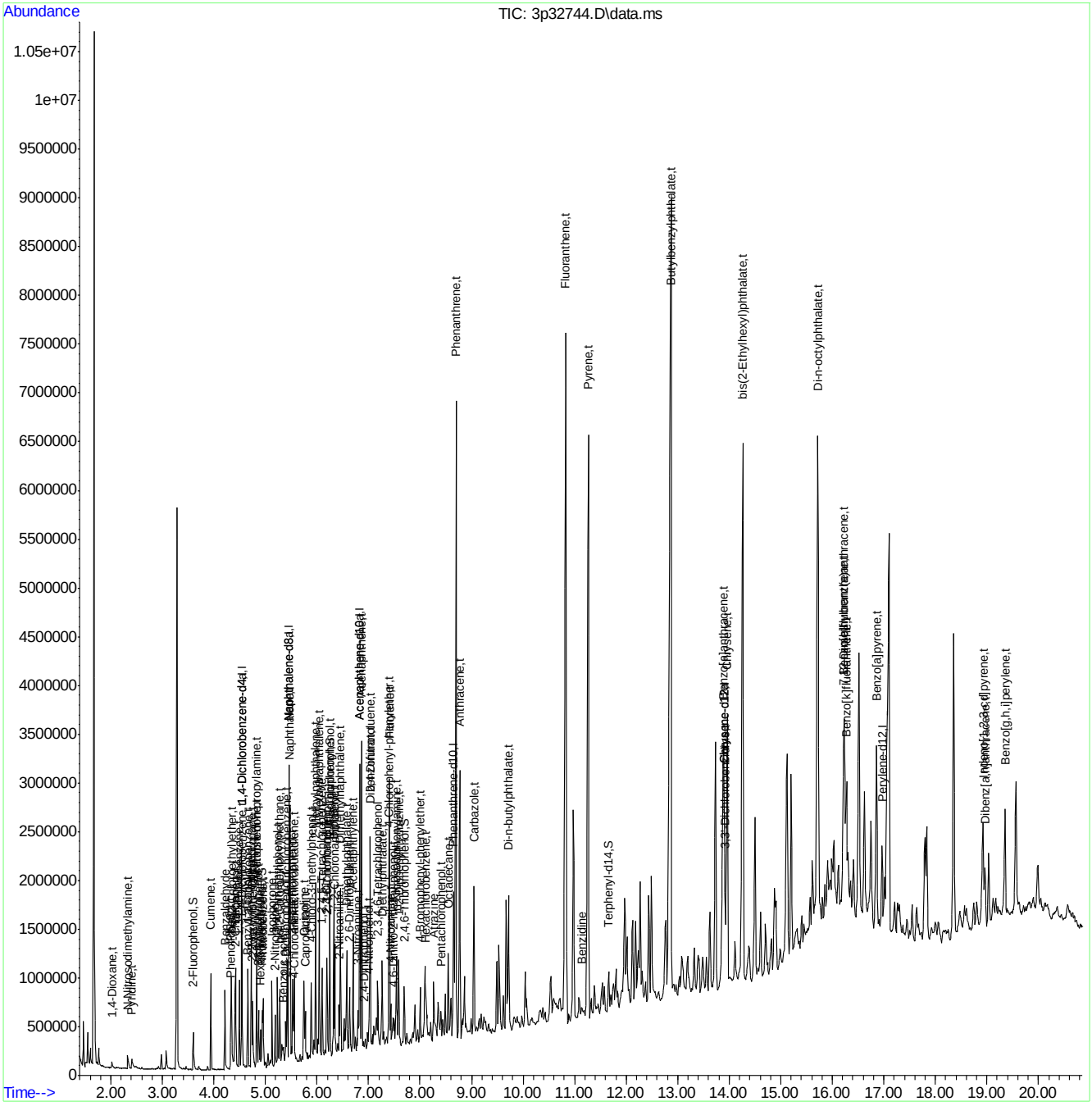
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Chrysene	13.961	228	1515863	100.64	ppb	97
90) bis(2-Ethylhexyl)phtha...	14.261	149	5295260	437.80	ppb	67
92) Di-n-octylphthalate	15.716	149	6173215m	293.97	ppb	
93) Benzo[b]fluoranthene	16.229	252	1675963	101.75	ppb	94
94) Benzo[k]fluoranthene	16.277	252	697456	44.04	ppb	98
95) Benzo[a]pyrene	16.860	252	1234412	85.48	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.925	276	769908	54.44	ppb	98
98) Dibenz[a,h]anthracene	18.962	278	358566	25.35	ppb	93
99) 7,12-Dimethylbenz(a)an...	16.224	256	123798	22.64	ppb	97
100) Benzo[g,h,i]perylene	19.353	276	735119	50.81	ppb	99
102) Benzaldehyde	4.211	105	133035	21.01	ppb	98
104) Atrazine	8.265	215	35691	16.42	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.099	216	125253	15.35	ppb	99
107) Benzidine	11.143	184	53633	6.89	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 16 09:33:53 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

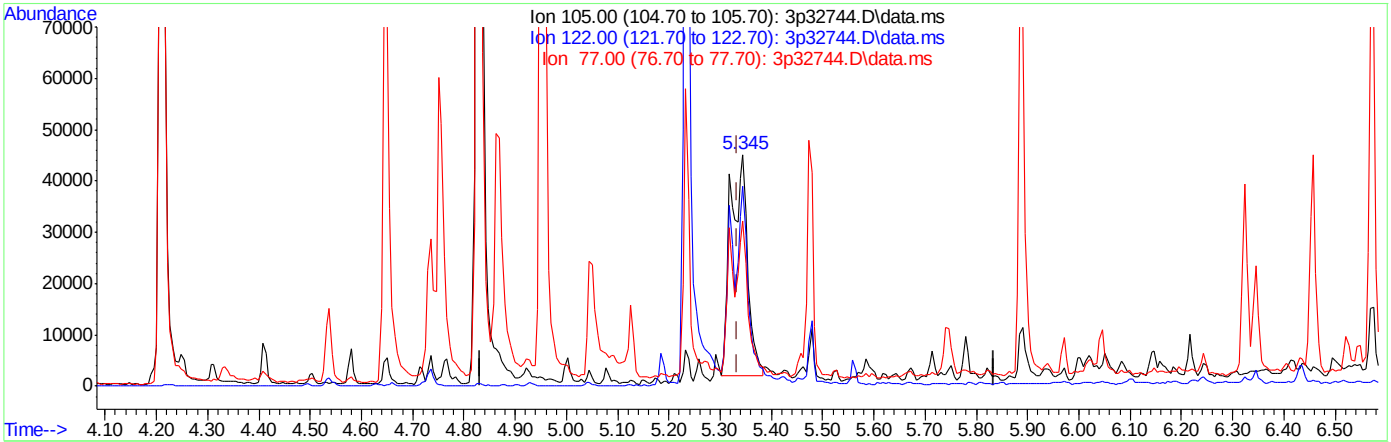
Sample Number:	OP75383-MS	**Method:**	SW846 8270D
Lab FileID:	3P32744.D	**Analyst approved:**	06/16/14 09:45 Kristi Schollenberger
Injection Time:	06/15/14 20:46	**Supervisor approved:**	06/18/14 12:29 Cheng-Hwan Ao

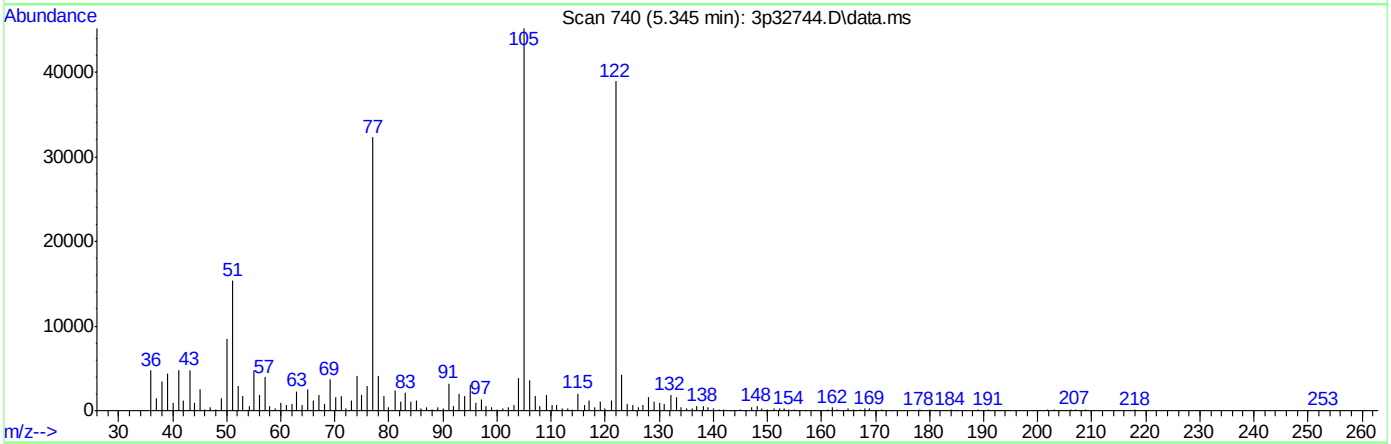
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.34	Split peak
2,4-Dinitrotoluene	121-14-2		7.03	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.72	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 21:06:25 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: 3p32744.D\data.ms

(31) Benzoic acid (t)

5.345min (+0.011) 15.59ppb m

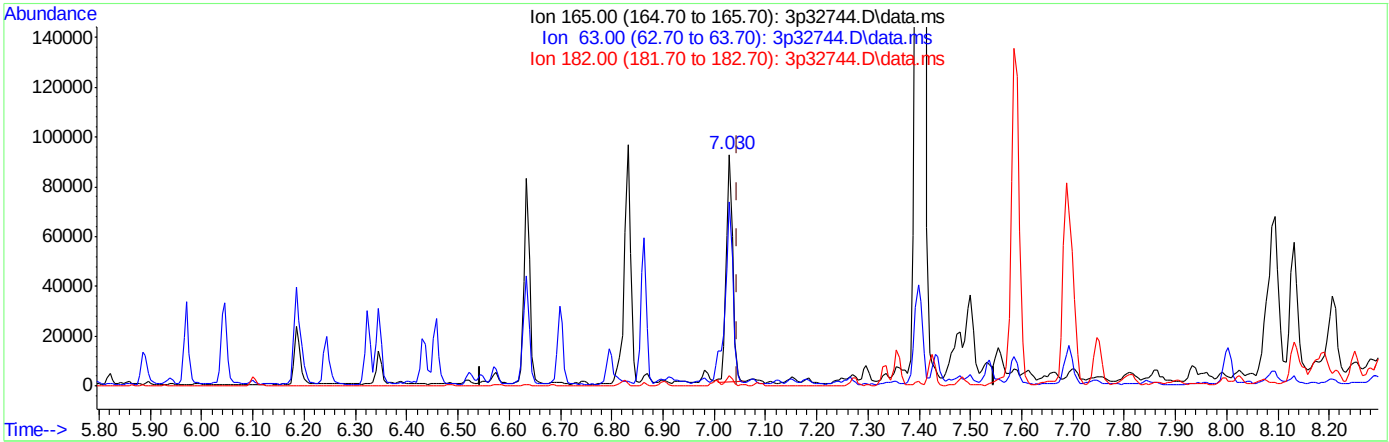
response 99478

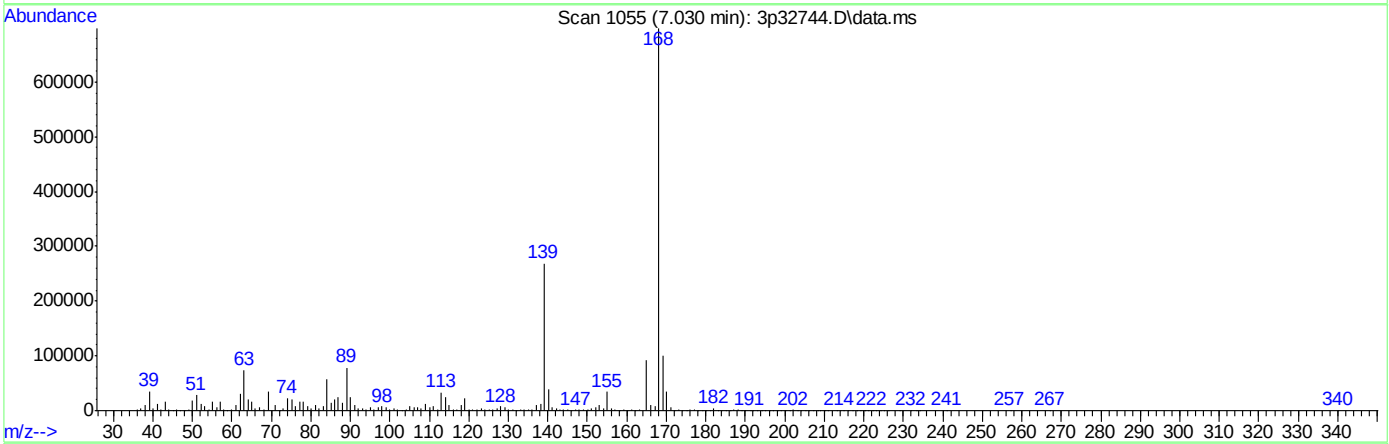
Ion	Exp%	Act%
105.00	100	100
122.00	85.80	86.20
77.00	70.30	71.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 21:06:25 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: 3p32744.D\data.ms

(63) 2,4-Dinitrotoluene (t)

7.030min (-0.016) 15.49ppb m

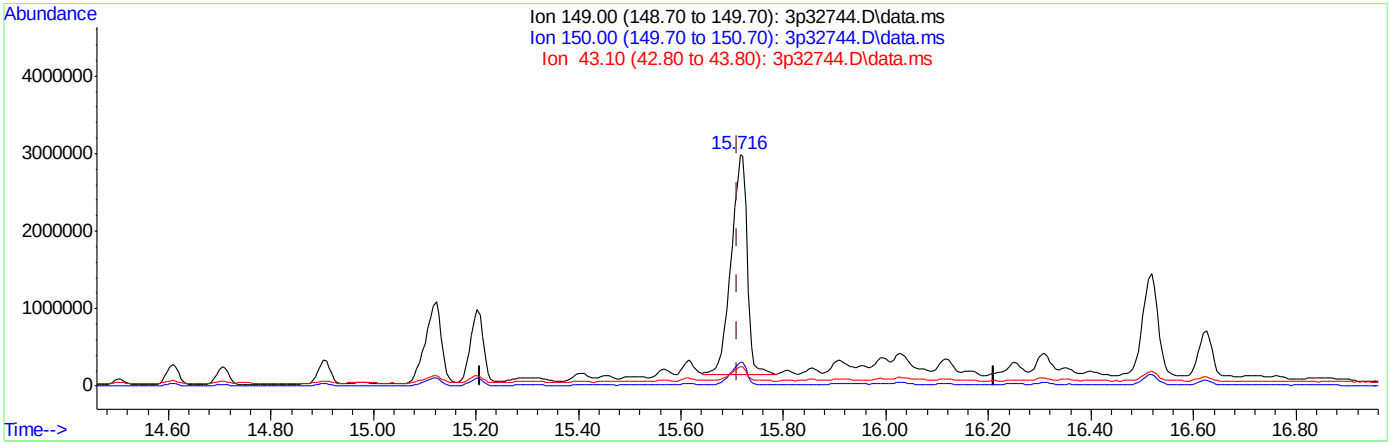
response 77670

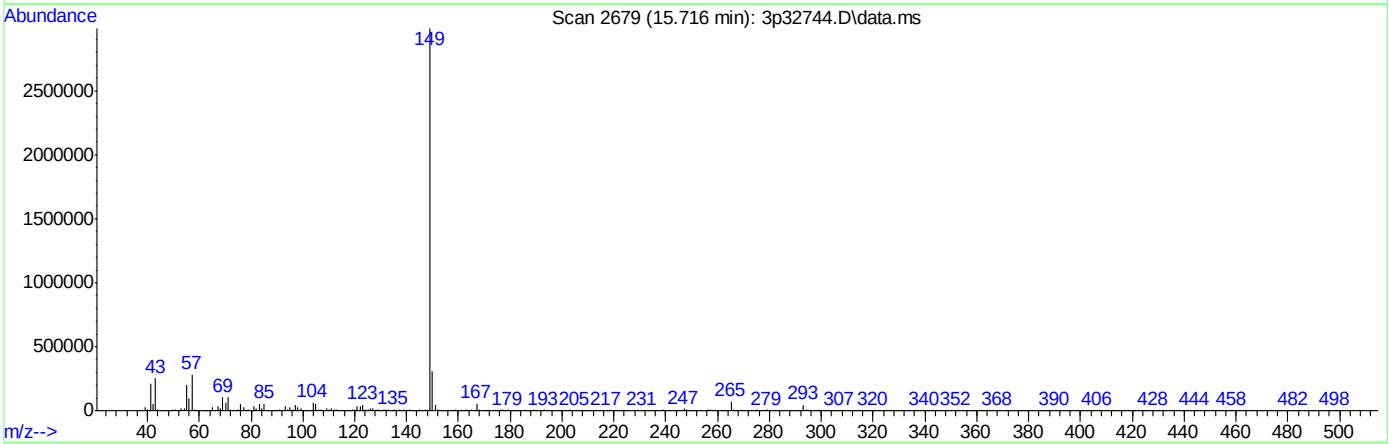
Ion	Exp%	Act%
165.00	100	100
63.00	35.60	79.67#
182.00	4.20	4.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32744.D
Acq On : 15 Jun 2014 8:46 pm
Operator : elwiraa
Sample : op75383-ms
Misc : op75383,e3p1402,33.5,,,1,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 21:06:25 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: 3p32744.D\data.ms

(92) Di-n-octylphthalate (t)

15.716min (+0.005) 293.97ppb m

response 6173215

Ion	Exp%	Act%
149.00	100	100
150.00	9.70	10.38
43.10	6.50	8.64
0.00	0.00	0.00

9.4.3.4

9

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/18/14 12:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 16 09:36:16 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	4.537	152	262758	40.00	ppb	-0.03
24) Naphthalene-d8	5.457	136	938230	40.00	ppb	-0.03
47) Acenaphthene-d10	6.832	164	502927	40.00	ppb	-0.03
69) Phenanthrene-d10	8.650	188	736086	40.00	ppb	-0.02
83) Chrysene-d12	13.903	240	528566	40.00	ppb	0.03
91) Perylene-d12	16.957	264	451394	40.00	ppb	0.05
101) 1,4-Dichlorobenzene-d4a	4.537	152	262758	40.00	ppb	-0.03
103) Acenaphthene-d10a	6.832	164	502927	40.00	ppb	-0.03
106) Chrysene-d12a	13.903	240	528566	40.00	ppb	0.03
108) Naphthalene-d8a	5.457	136	938230	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.580	112	156070	17.95	ppb	0.00
Spiked Amount 50.000			Recovery = 35.90%			
8) Phenol-d5	4.307	99	187526	18.52	ppb	0.00
Spiked Amount 50.000			Recovery = 37.04%			
25) Nitrobenzene-d5	4.938	82	148183	19.09	ppb	-0.03
Spiked Amount 50.000			Recovery = 38.18%			
51) 2-Fluorobiphenyl	6.243	172	295877	18.49	ppb	-0.03
Spiked Amount 50.000			Recovery = 36.98%			
73) 2,4,6-Tribromophenol	7.693	330	36637	19.59	ppb	-0.03
Spiked Amount 50.000			Recovery = 39.18%			
85) Terphenyl-d14	11.661	244	209395	20.14	ppb	-0.02
Spiked Amount 50.000			Recovery = 40.28%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.013	88	36314	9.23	ppb	96
3) Pyridine	2.371	79	107810	11.01	ppb	89
4) N-Nitrosodimethylamine	2.323	42	63335	17.84	ppb	84
6) Indene	4.724	116	341206	22.38	ppb	98
7) Cumene	3.938	105	381356	16.42	ppb	99
9) Phenol	4.318	94	277255	24.54	ppb	97
10) Aniline	4.302	93	154793	13.71	ppb	65
11) bis(2-Chloroethyl)ether	4.339	93	170792	23.86	ppb	98
12) 2-Chlorophenol	4.398	128	196194	20.66	ppb	94
13) Decane	4.419	43	142718	21.76	ppb	85
14) 1,3-Dichlorobenzene	4.494	146	188839	17.35	ppb	100
15) 1,4-Dichlorobenzene	4.548	146	195524	18.08	ppb	99
16) Benzyl alcohol	4.644	108	115728	22.17	ppb	95
17) 1,2-Dichlorobenzene	4.660	146	185374	18.48	ppb	99
18) Acetophenone	4.831	105	261897	22.09	ppb	84
19) 2-Methylphenol	4.746	108	159916	23.18	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.735	45	191457	27.02	ppb	88
21) 3&4-Methylphenol	4.858	108	175786	24.47	ppb	99
22) n-Nitroso-di-n-propyla...	4.831	70	103017	22.37	ppb	94
23) Hexachloroethane	4.901	201	30625	8.89	ppb	85
26) Nitrobenzene	4.954	77	159457	19.57	ppb	99
27) Quinoline	5.719	129	413627	22.74	ppb	98
28) Isophorone	5.125	82	271489	19.71	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 16 09:36:16 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	5.184	139	93688	20.23	ppb		92
30) 2,4-Dimethylphenol	5.232	107	169451	25.95	ppb		97
31) Benzoic acid	5.334	105	106963m	20.63	ppb		
32) bis(2-Chloroethoxy)met...	5.275	93	187444	22.57	ppb		92
33) 2,4-Dichlorophenol	5.382	162	157677	21.19	ppb		99
34) 2,6-Dichlorophenol	5.527	162	143037	20.24	ppb		98
36) 1,2,4-Trichlorobenzene	5.420	180	148394	17.76	ppb		98
38) Naphthalene	5.473	128	1112317	45.69	ppb		98
39) 4-Chloroaniline	5.521	127	169627	16.65	ppb		99
40) 2,3-Dichloroaniline	6.184	161	186763	18.68	ppb		99
41) Caprolactam	5.773	113	60261	22.19	ppb		86
42) Hexachlorobutadiene	5.559	225	70962	16.13	ppb		99
43) 4-Chloro-3-methylphenol	5.885	107	138958m	20.04	ppb		
44) 2-Methylnaphthalene	5.971	141	580286	39.65	ppb		100
45) 1-Methylnaphthalene	6.045	141	522315	32.45	ppb		98
46) Dimethylnaphthalene	6.457	156	392896	24.34	ppb		99
49) 2,4,6-Trichlorophenol	6.195	196	96328	20.82	ppb		99
50) 2,4,5-Trichlorophenol	6.238	196	103865	20.12	ppb		97
52) 2-Chloronaphthalene	6.345	162	275568	18.47	ppb		97
53) Biphenyl	6.324	154	511329	24.13	ppb		99
54) 2-Nitroaniline	6.431	65	87824	24.68	ppb		92
55) Dimethylphthalate	6.575	163	319528	19.85	ppb		99
56) Acenaphthylene	6.698	152	502065	20.91	ppb		99
57) 2,6-Dinitrotoluene	6.634	165	67535	20.50	ppb		97
58) 3-Nitroaniline	6.794	138	80790	18.80	ppb		98
59) Acenaphthene	6.864	153	929092	63.77	ppb		99
60) 2,4-Dinitrophenol	6.912	184	7362	12.56	ppb	#	34
61) 4-Nitrophenol	7.008	109	42695	22.94	ppb		85
62) Dibenzofuran	7.030	168	981192	47.69	ppb		99
63) 2,4-Dinitrotoluene	7.030	165	84776m	19.05	ppb		
64) 2,3,4,6-Tetrachlorophenol	7.179	232	67045	18.11	ppb		94
65) Diethylphthalate	7.265	149	319519	19.63	ppb		99
66) Fluorene	7.404	166	1059783	63.74	ppb		99
67) 4-Chlorophenyl-phenyle...	7.393	204	135048	18.30	ppb		96
68) 4-Nitroaniline	7.431	138	79055	18.10	ppb		97
70) 4,6-Dinitro-2-methylph...	7.495	198	7426	6.57	ppb		77
71) n-Nitrosodiphenylamine	7.538	169	262100	26.83	ppb		97
72) 1,2-Diphenylhydrazine	7.586	77	275027m	21.31	ppb		
74) 4-Bromophenyl-phenylether	8.003	248	73441	19.16	ppb		97
75) Hexachlorobenzene	8.110	284	71108	16.33	ppb		93
76) Pentachlorophenol	8.409	266	39688	14.92	ppb		99
77) Phenanthrene	8.704	178	5618371	268.60	ppb		98
78) Anthracene	8.773	178	1978678	97.08	ppb		100
79) Carbazole	9.046	167	1168417	51.56	ppb		99
80) Di-n-butylphthalate	9.715	149	539584	21.47	ppb		99
81) Fluoranthene	10.832	202	6419758	279.44	ppb		97
82) Octadecane	8.591	57	90124	11.15	ppb		88
84) Pyrene	11.271	202	5370176	306.50	ppb		90
86) Butylbenzylphthalate	12.822	149	524407	63.99	ppb		99
87) Benzo[a]anthracene	13.887	228	2344669	158.64	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 16 09:36:16 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)
88) 3,3'-Dichlorobenzidine	13.913	252	201970	38.05	ppb	99
89) Chrysene	13.967	228	2070428	158.56	ppb	97
90) bis(2-Ethylhexyl)phtha...	14.266	149	6613569	630.76	ppb	97
92) Di-n-octylphthalate	15.684	149	547589m	30.79	ppb	
93) Benzo[b]fluoranthene	16.224	252	2271666	162.85	ppb	94
94) Benzo[k]fluoranthene	16.267	252	864643	64.46	ppb	96
95) Benzo[a]pyrene	16.860	252	1646874	134.65	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.925	276	1060060	88.50	ppb	92
98) Dibenz[a,h]anthracene	18.962	278	415657	34.70	ppb	92
99) 7,12-Dimethylbenz(a)an...	16.219	256	129114	27.87	ppb	99
100) Benzo[g,h,i]perylene	19.358	276	920850	75.16	ppb	98
102) Benzaldehyde	4.211	105	156668	28.18	ppb	98
104) Atrazine	8.265	215	42327	21.93	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.099	216	129250	17.84	ppb	99
107) Benzidine	11.143	184	81265	12.05	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 16 09:36:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
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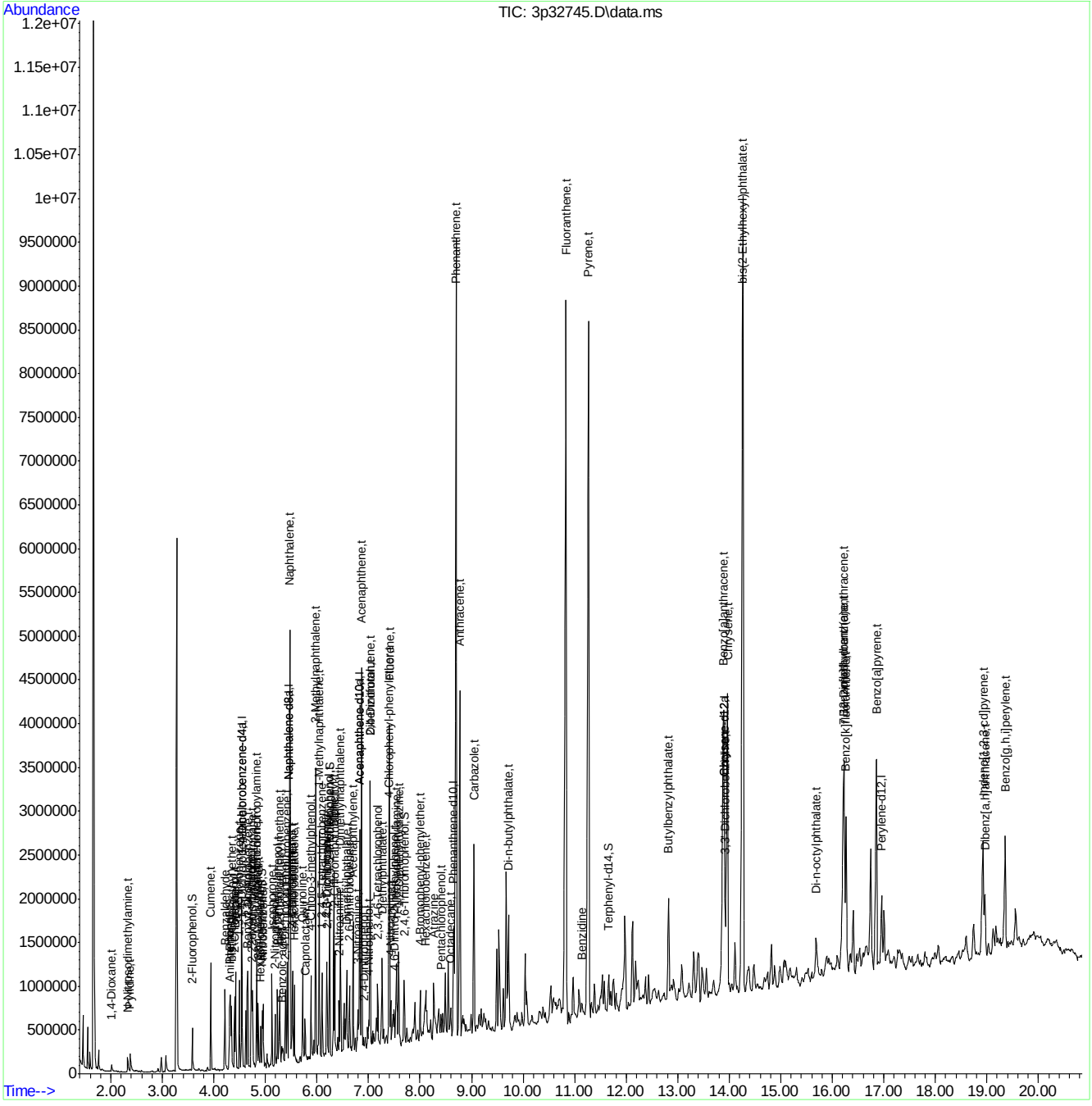


Manual Integration Approval Summary

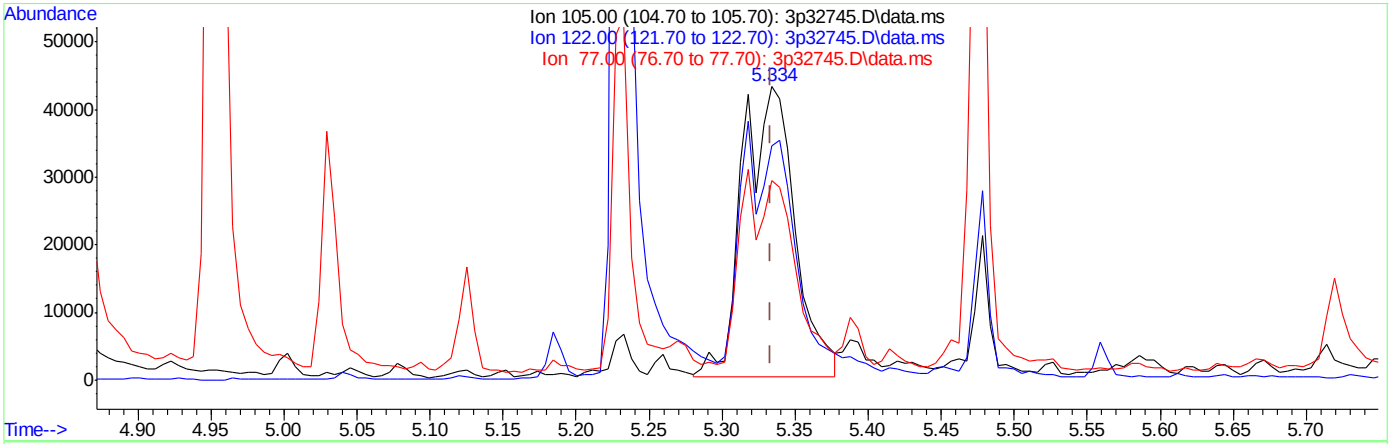
Sample Number:	OP75383-MSD	**Method:**	SW846 8270D
Lab FileID:	3P32745.D	**Analyst approved:**	06/16/14 09:45 Kristi Schollenberger
Injection Time:	06/15/14 21:12	**Supervisor approved:**	06/18/14 12:29 Cheng-Hwan Ao

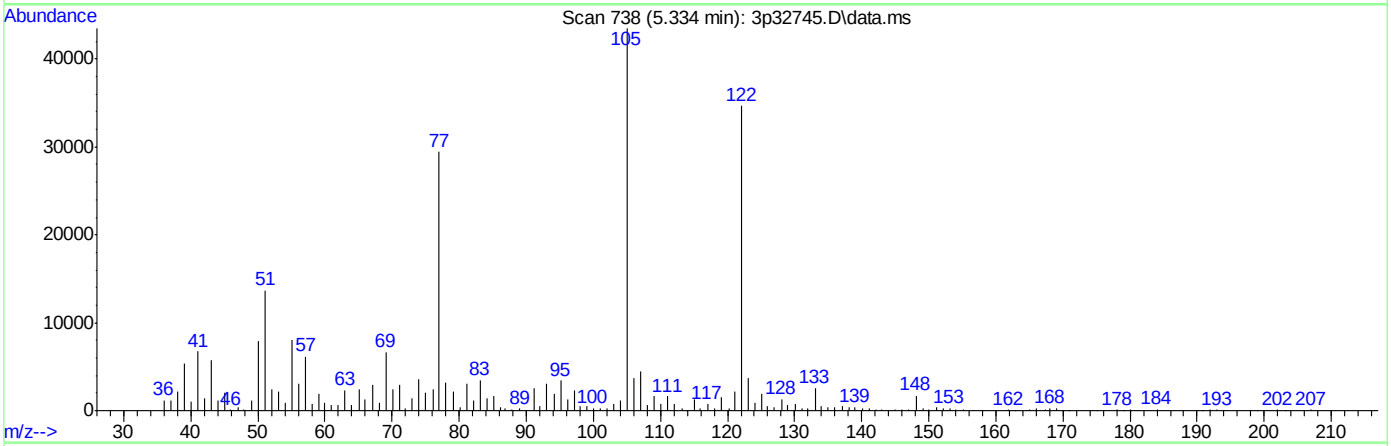
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.33	Split peak
4-Chloro-3-methyl phenol	59-50-7		5.88	Poor instrument integration
2,4-Dinitrotoluene	121-14-2		7.03	Poor instrument integration
1,2-Diphenylhydrazine	122-66-7		7.59	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.68	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(31) Benzoic acid (t)

5.334min (+0.000) 20.63ppb m

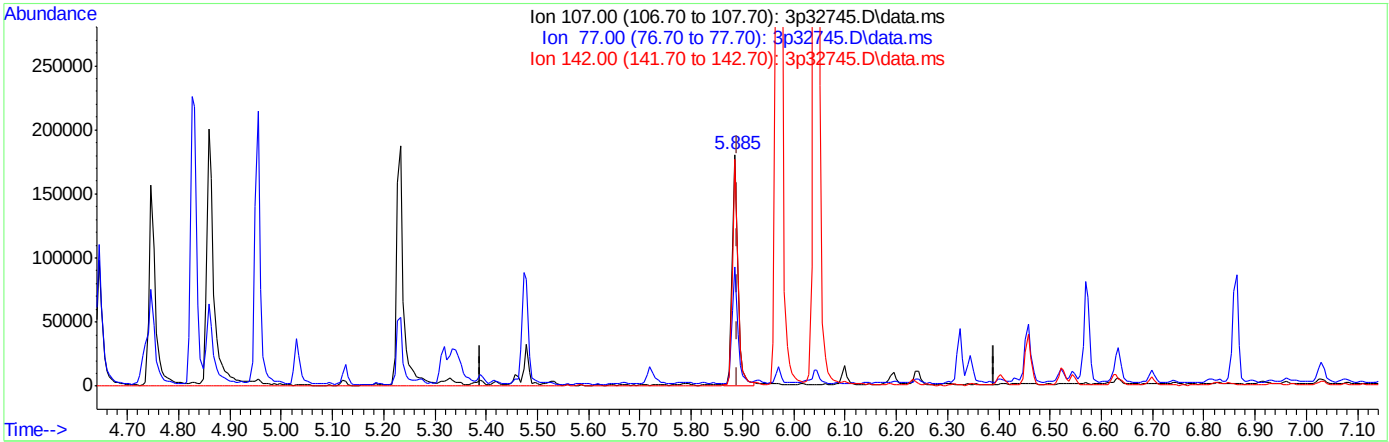
response 106963

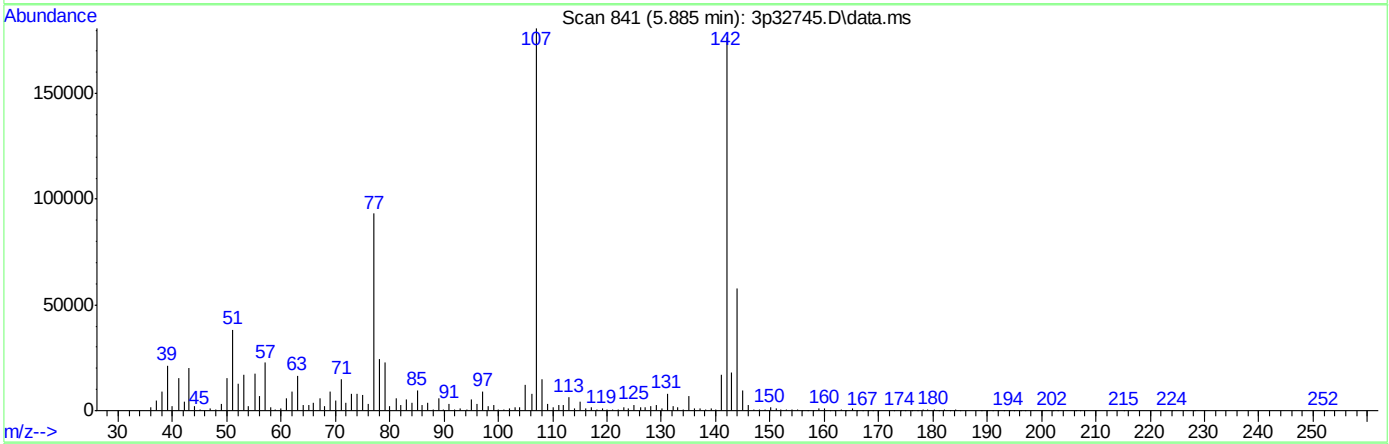
Ion	Exp%	Act%
105.00	100	100
122.00	85.80	79.71
77.00	70.30	67.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

5.885min (-0.005) 20.04ppb m

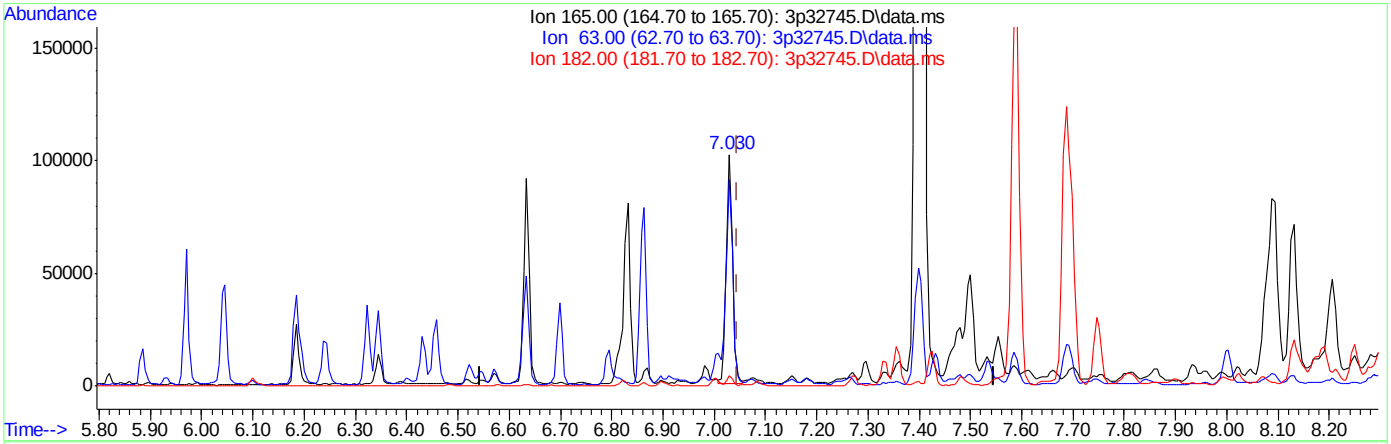
response 138958

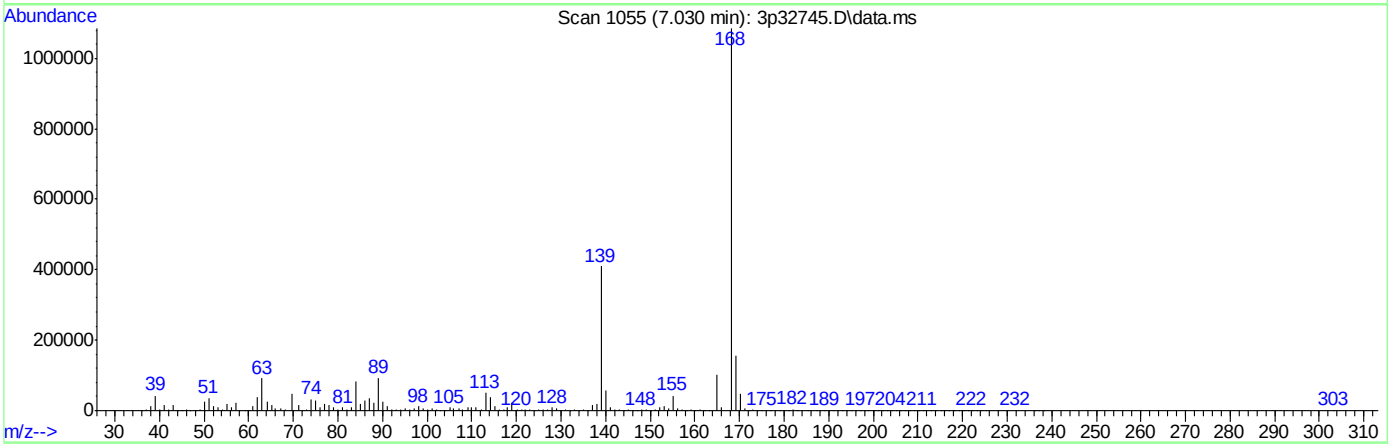
Ion	Exp%	Act%
107.00	100	100
77.00	48.90	51.54
142.00	0.00	97.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(63) 2,4-Dinitrotoluene (t)

7.030min (-0.016) 19.05ppb m

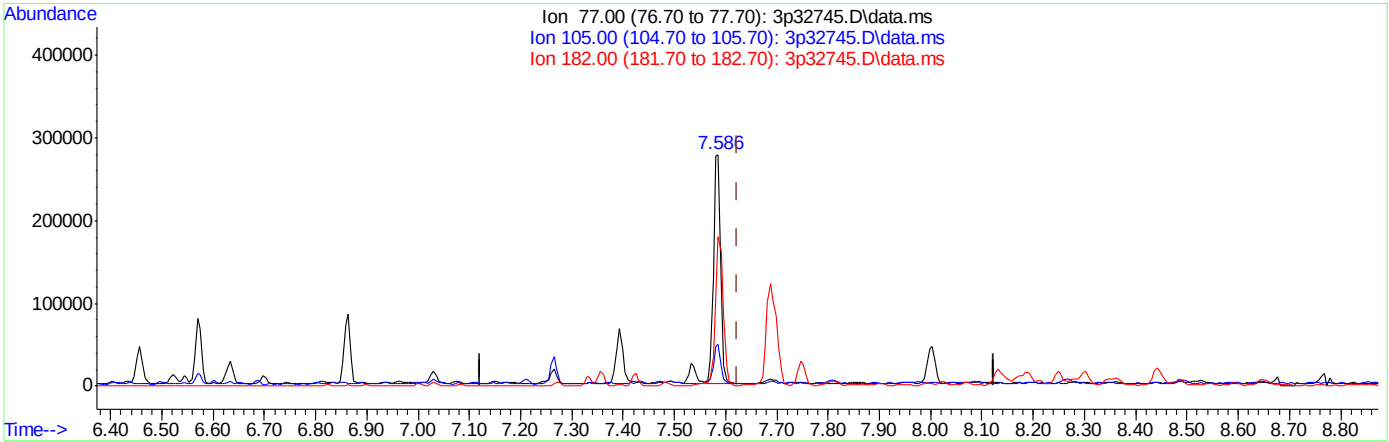
response 84776

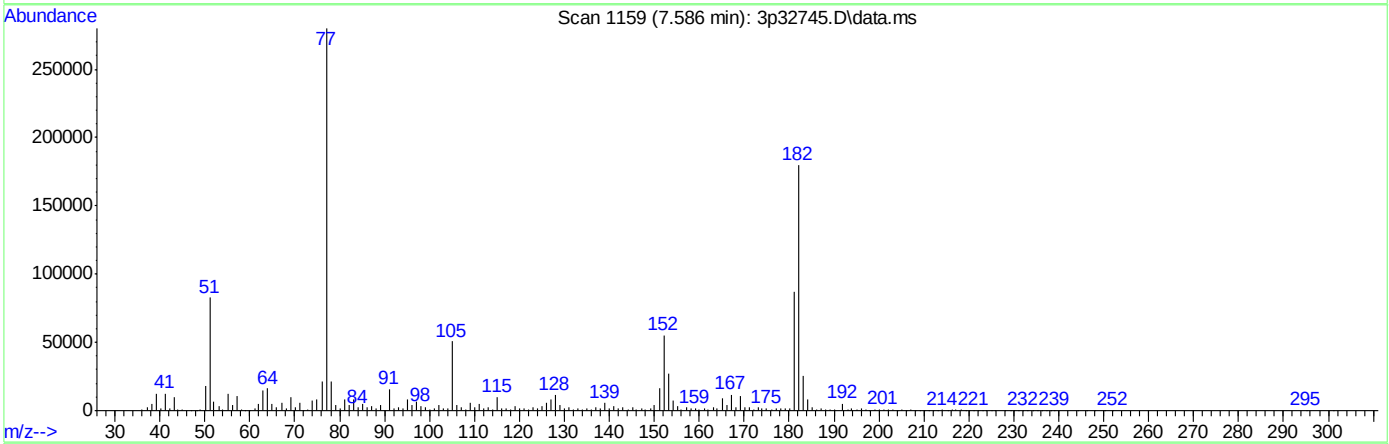
Ion	Exp%	Act%
165.00	100	100
63.00	35.60	89.07#
182.00	4.20	4.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(72) 1,2-Diphenylhydrazine (t)

7.586min (-0.037) 21.31ppb m

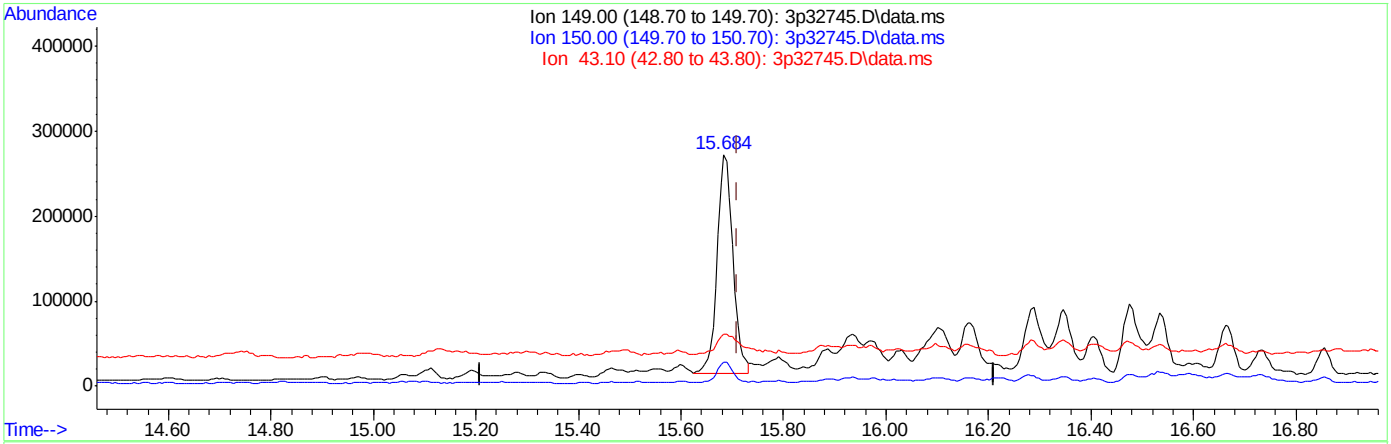
response 275027

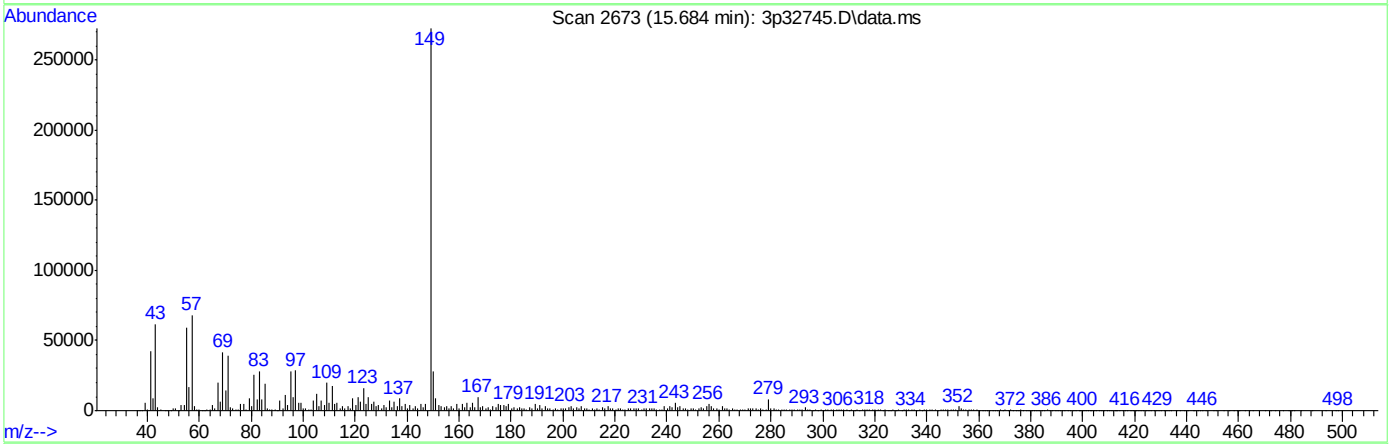
Ion	Exp%	Act%
77.00	100	100
105.00	16.70	18.15
182.00	29.70	64.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(92) Di-n-octylphthalate (t)

15.684min (-0.027) 30.79ppb m

response 547589

Ion	Exp%	Act%
149.00	100	100
150.00	9.70	10.27
43.10	6.50	22.67
0.00	0.00	0.00

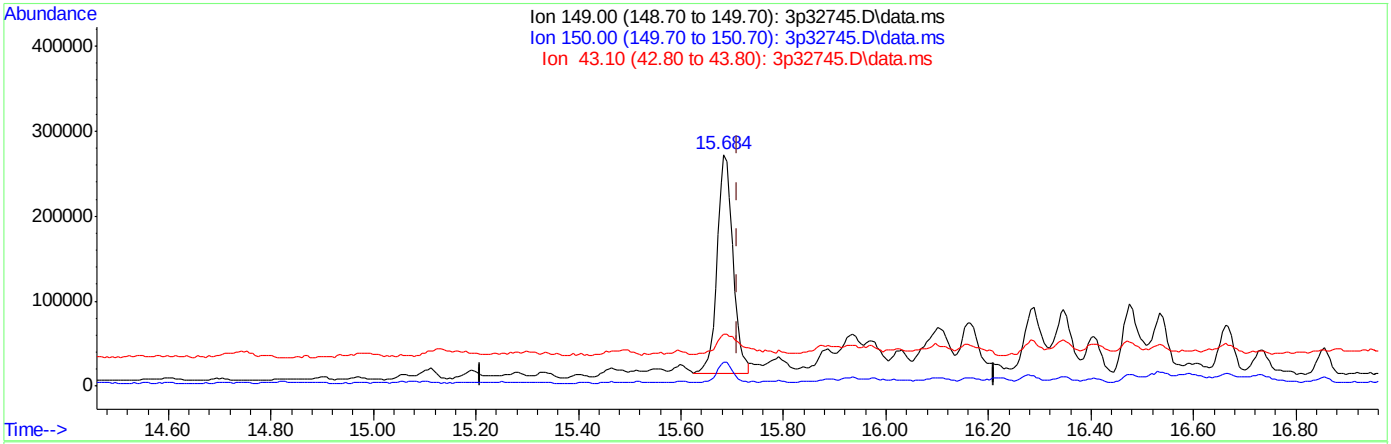
9.4.4.6

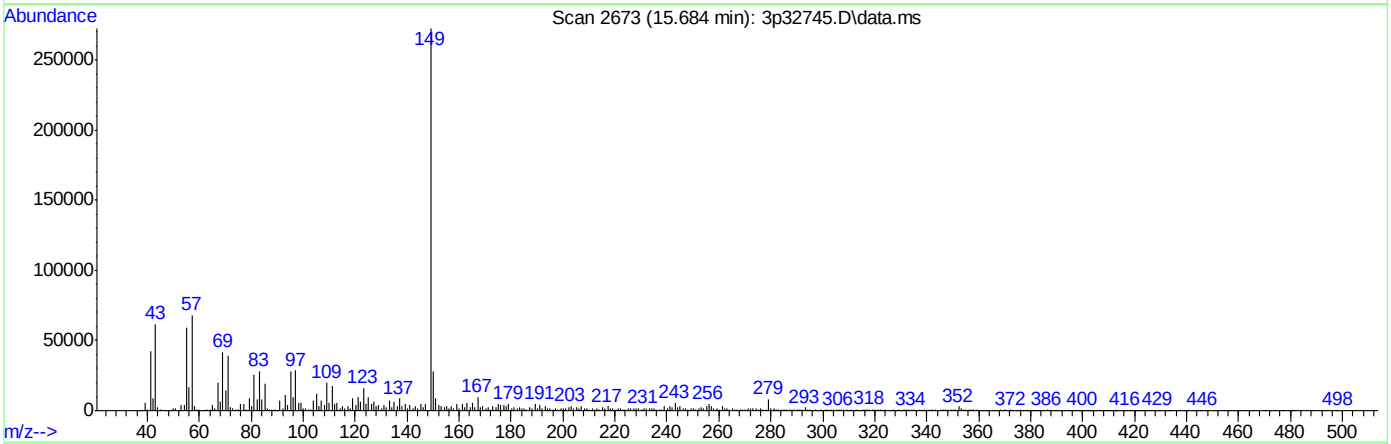
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32745.D
Acq On : 15 Jun 2014 9:12 pm
Operator : elwiraa
Sample : op75383-msd
Misc : op75383,e3p1402,31.8,,,1,2
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 21:32:20 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





TIC: 3p32745.D\data.ms

(92) Di-n-octylphthalate (t)

15.684min (-0.027) 30.79ppb m

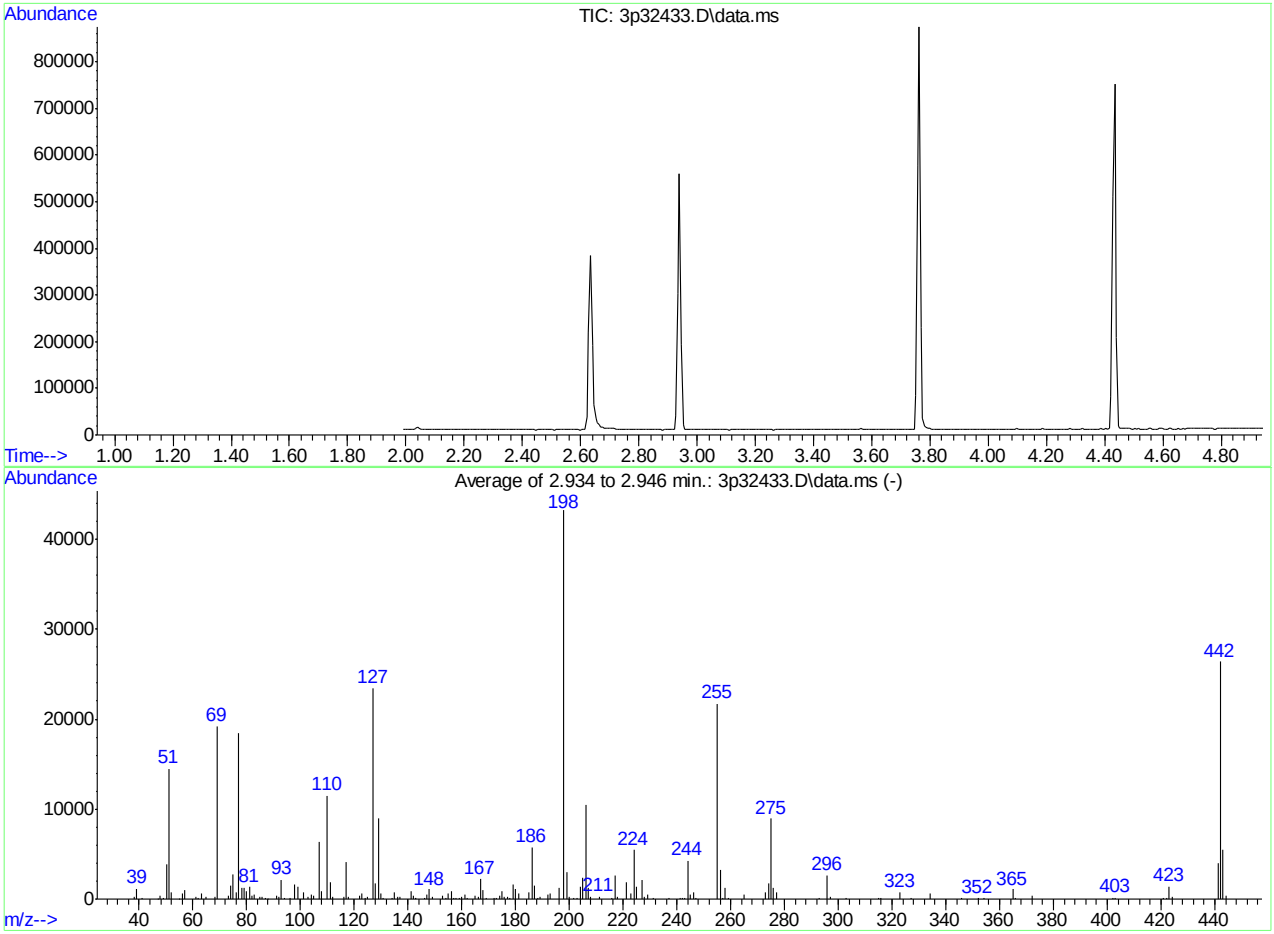
response 547589

Ion	Exp%	Act%
149.00	100	100
150.00	9.70	10.27
43.10	6.50	22.67
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

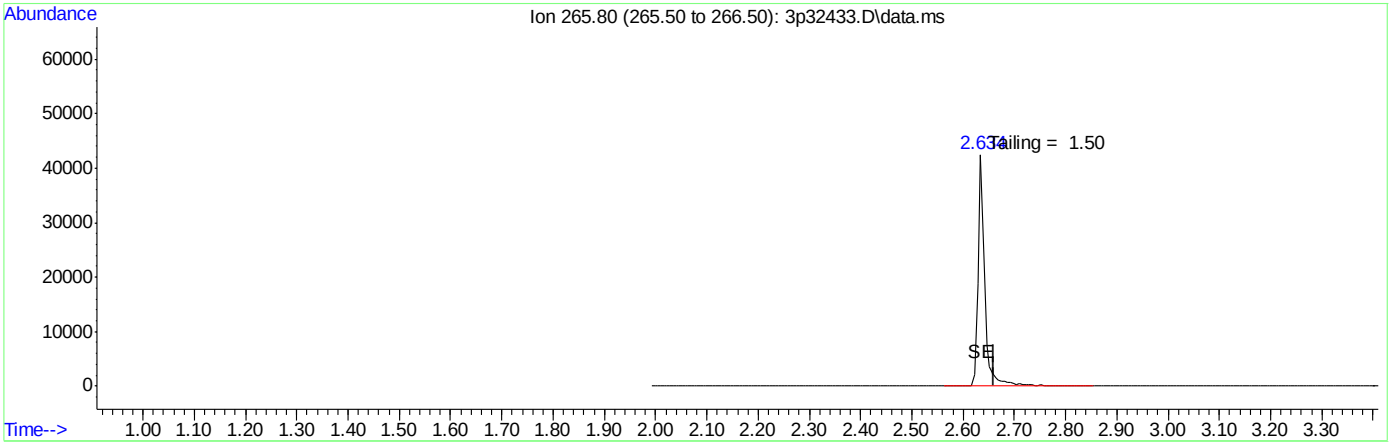
Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

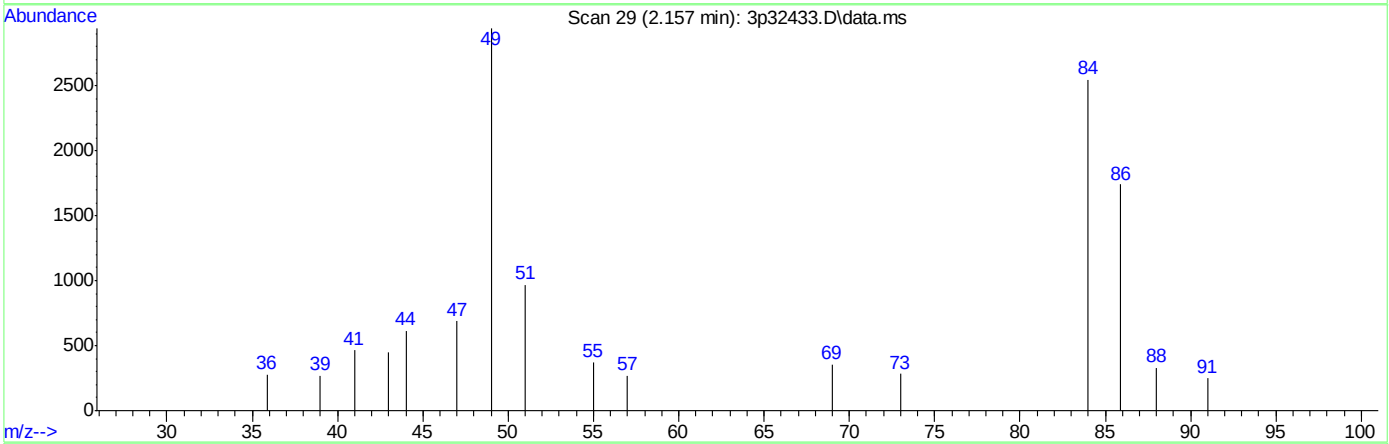
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.10	4272	274.00	1743	326.90	98	422.00	83
245.00	477	275.00	8958	334.00	585	423.05	1426
246.00	765	276.00	1251	346.00	107	424.05	253
247.00	84	277.00	762	352.00	121	441.10	3942
255.00	21739	293.00	95	354.10	106	442.10	26408
256.00	3196	296.00	2628	365.00	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

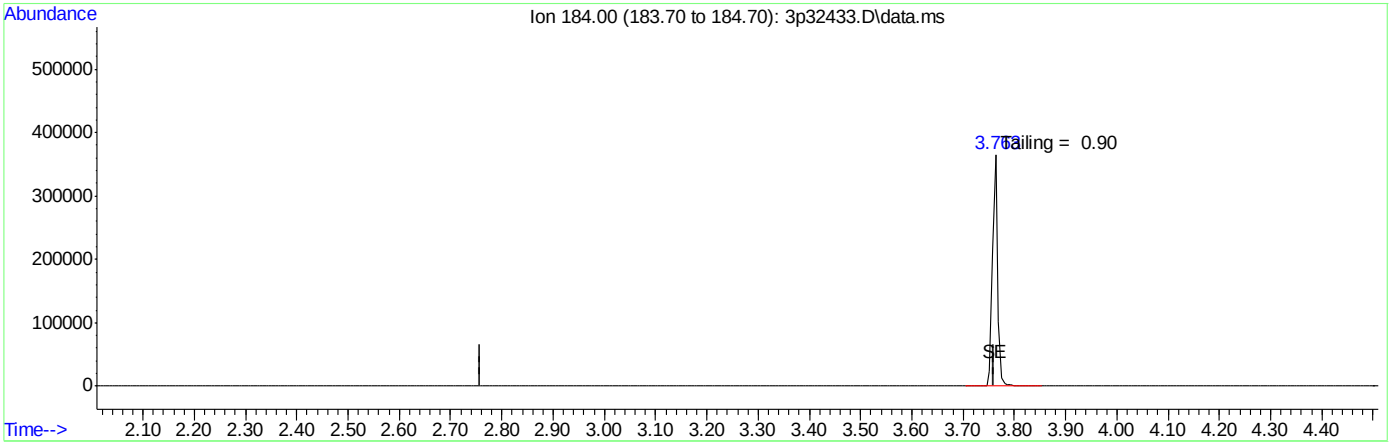
response 0

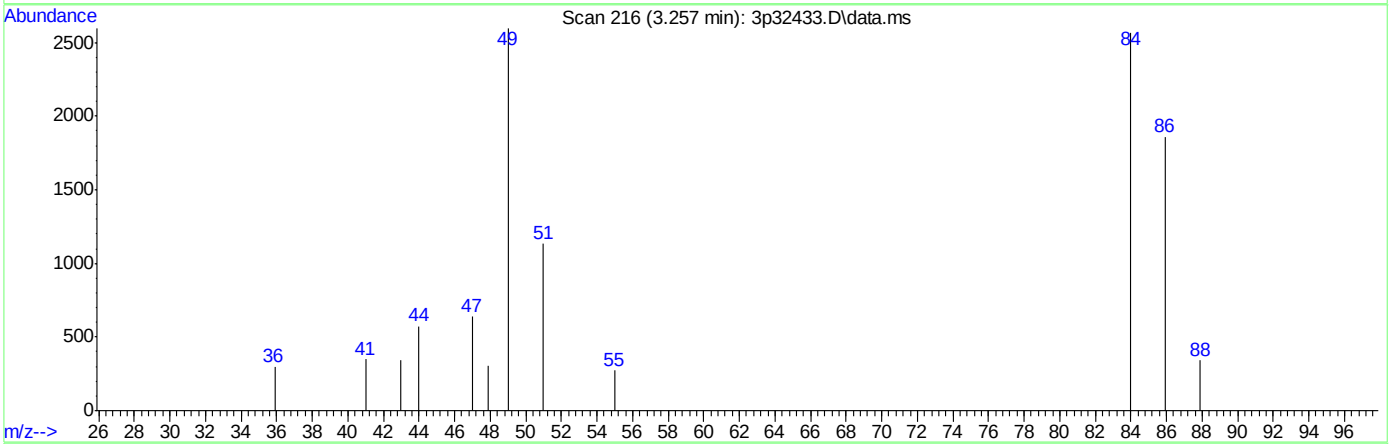
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

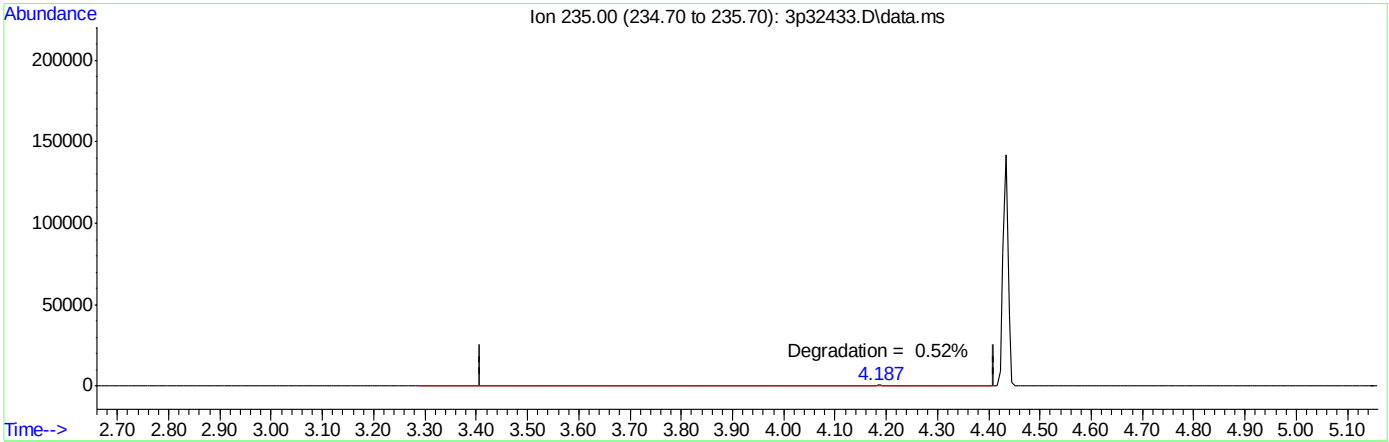
response 0

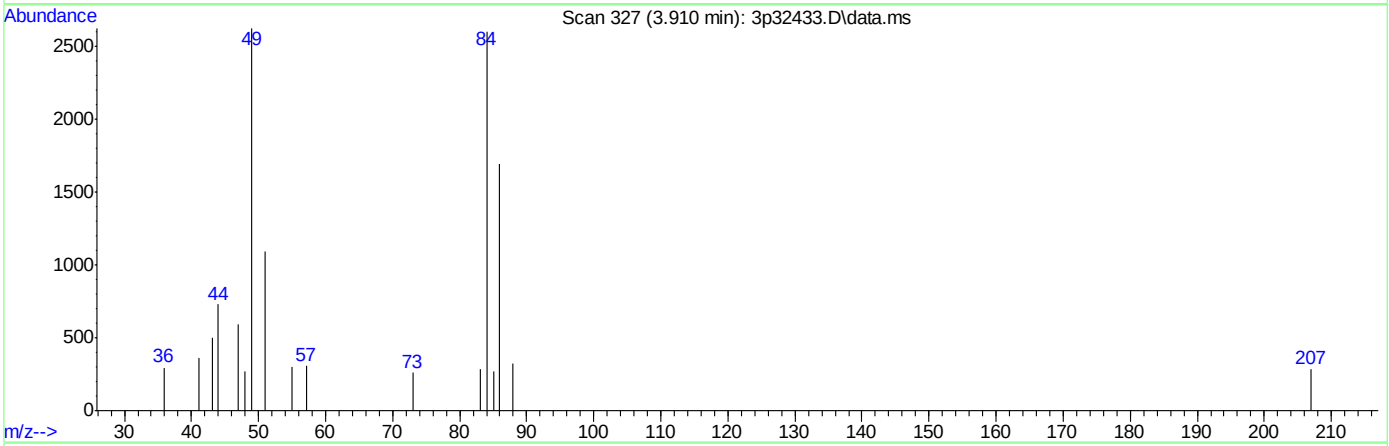
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

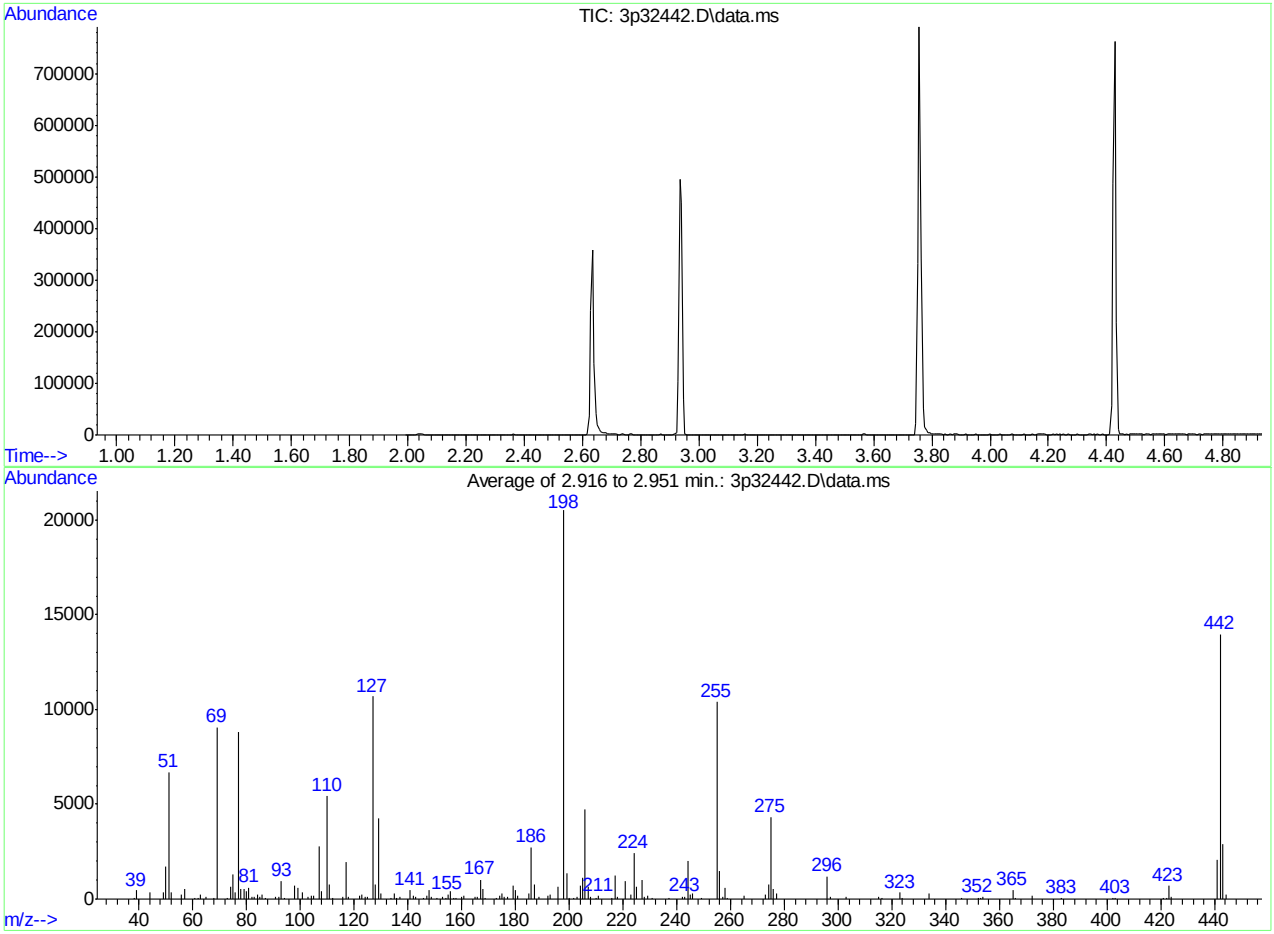
response 0

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

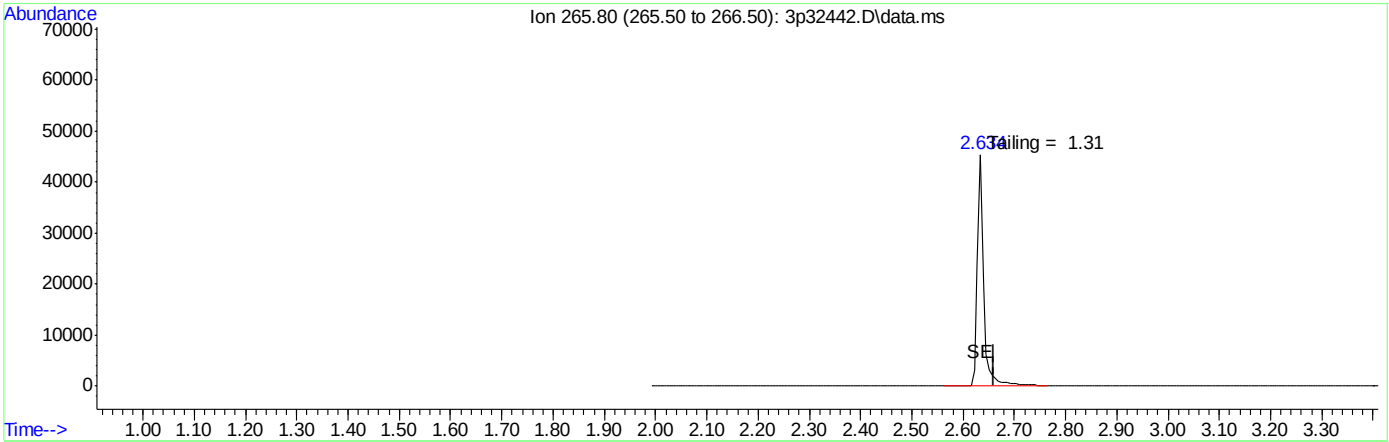
Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

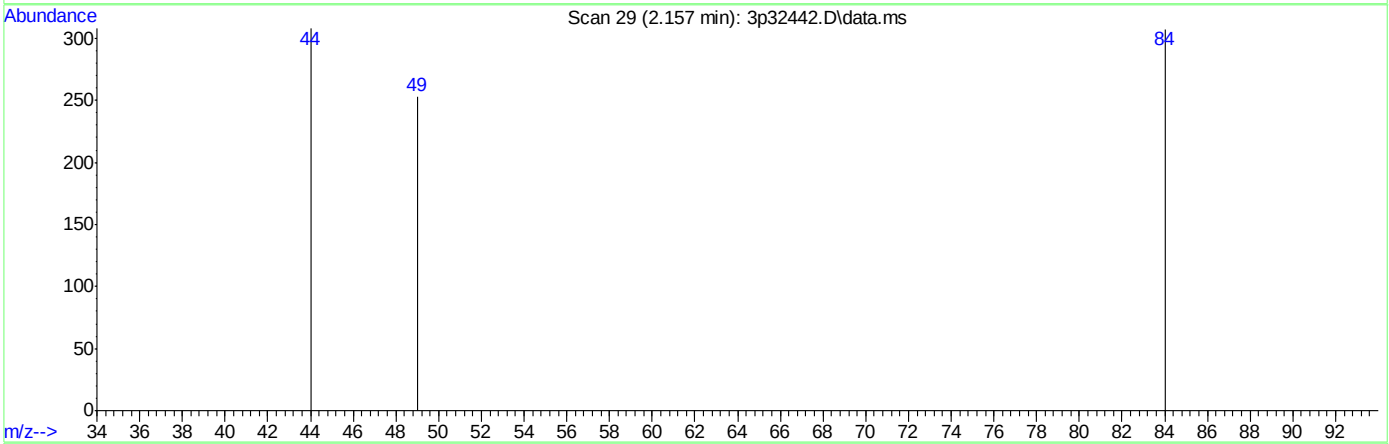
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	258.143	324.00	35.8571	403.00	59.4286		
274.05	797.286	334.00	287	421.00	58.5714		
275.00	4333.57	346.00	80.4286	422.00	54.4286		
276.00	560.714	352.00	88.7143	423.00	702.143		
277.00	292.714	353.00	53.1429	424.00	112.857		
296.00	1202.57	354.00	96	441.10	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

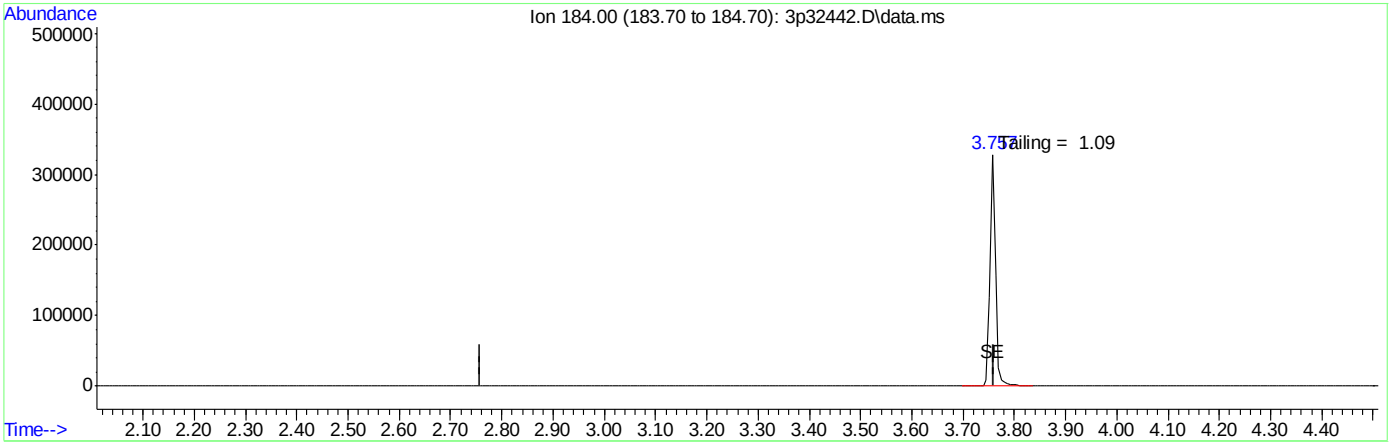
response 0

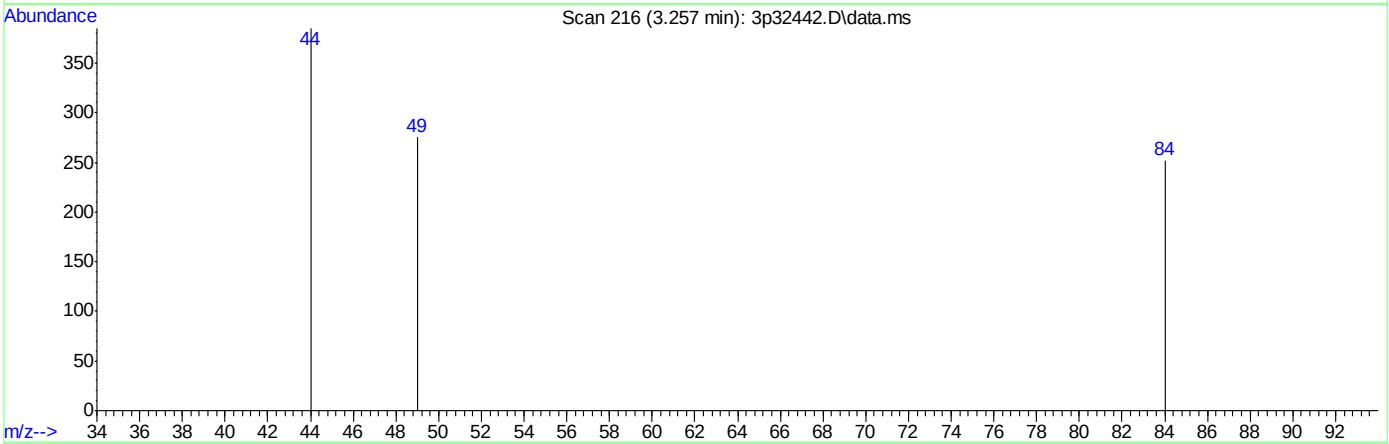
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

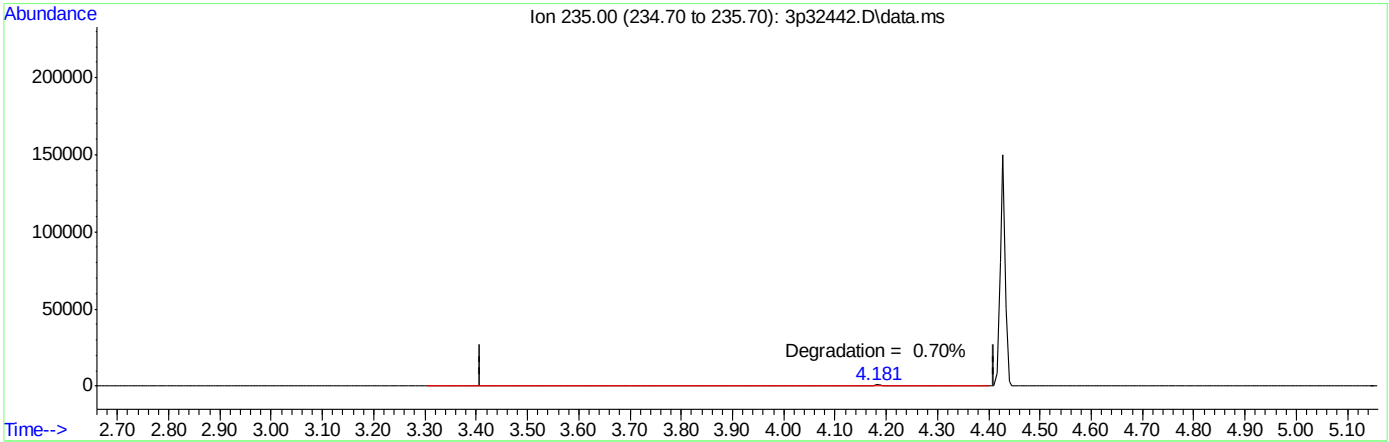
response 0

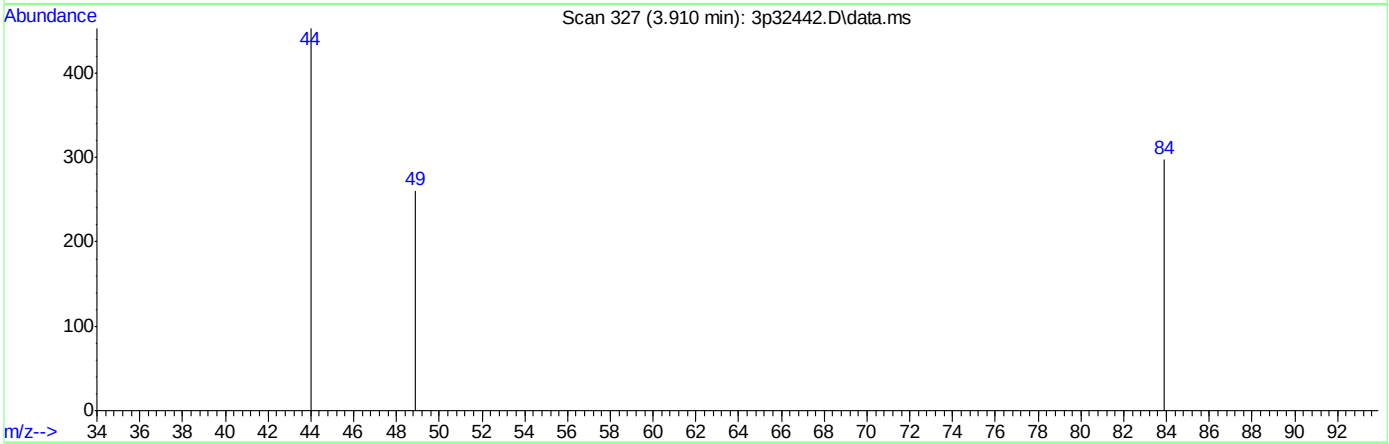
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

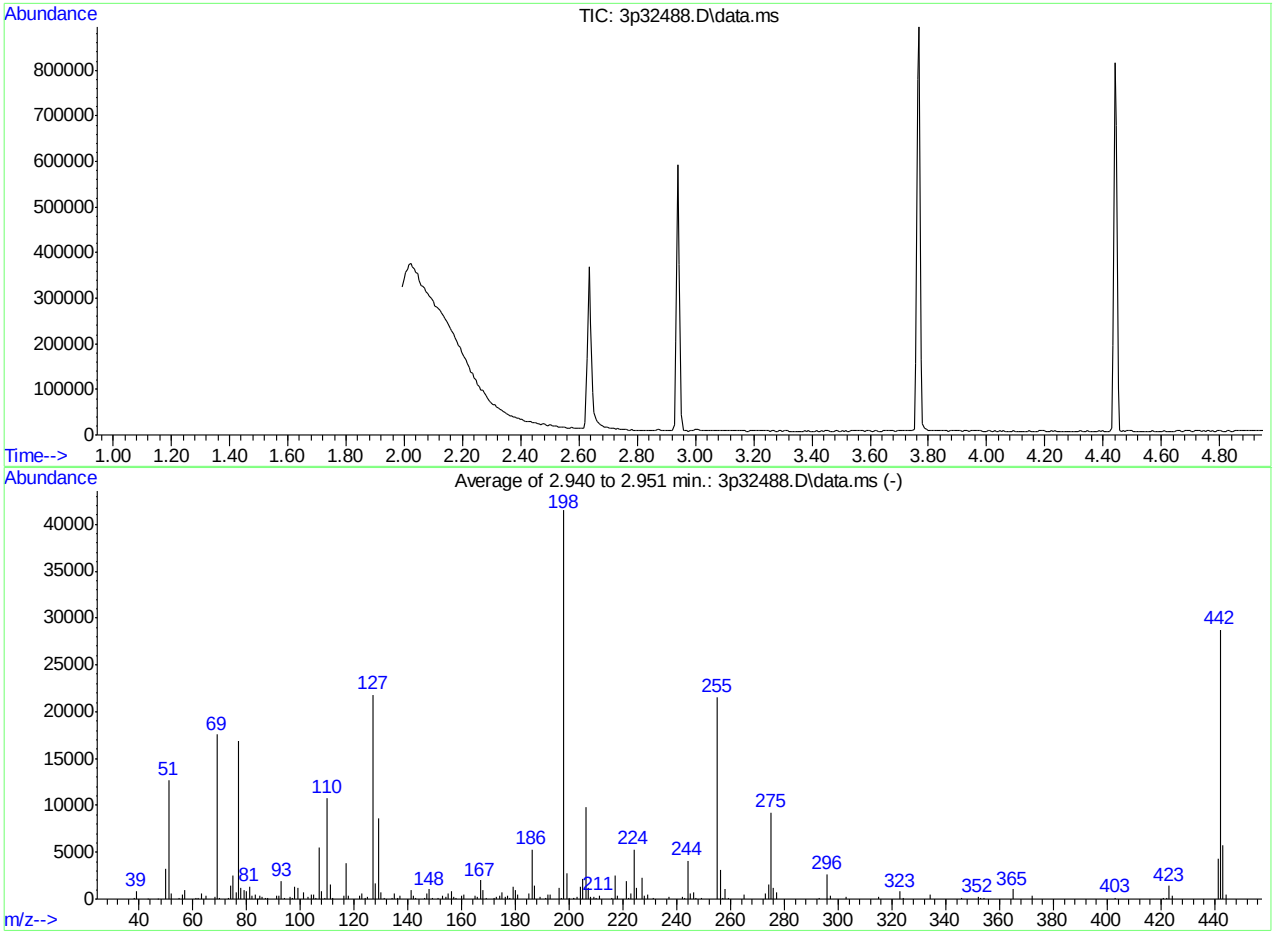
response 0

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

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

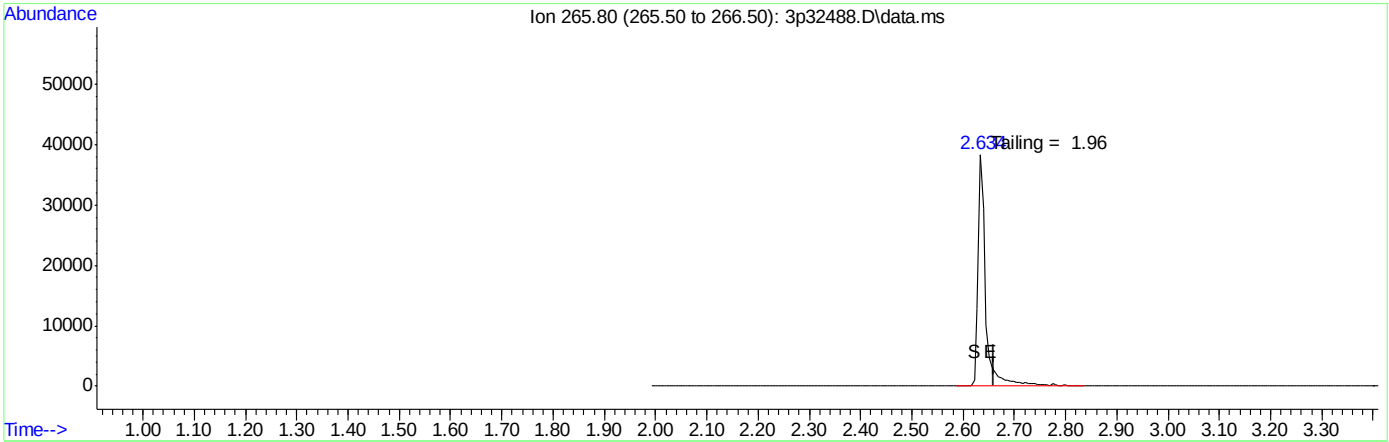
Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

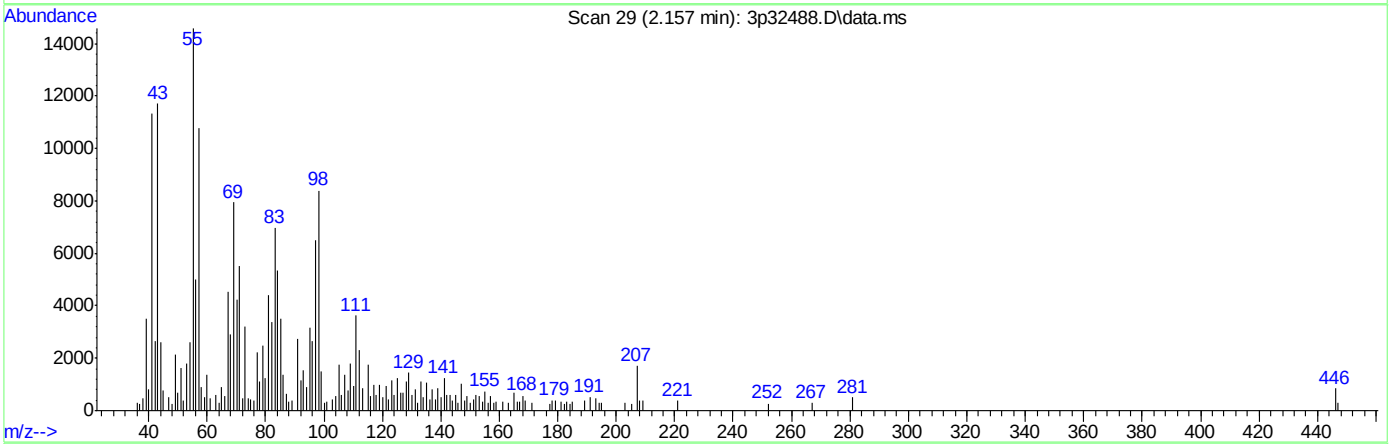
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
229.00	481	256.00	3100	296.00	2674	365.00	1046
231.00	118	257.00	101	297.00	334	372.00	415
237.00	187	258.00	1134	303.00	282	403.00	149
242.00	253	259.00	110	315.00	279	421.00	89
243.00	175	264.95	496	323.05	804	422.00	100
244.10	4110	273.00	619	324.00	101	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

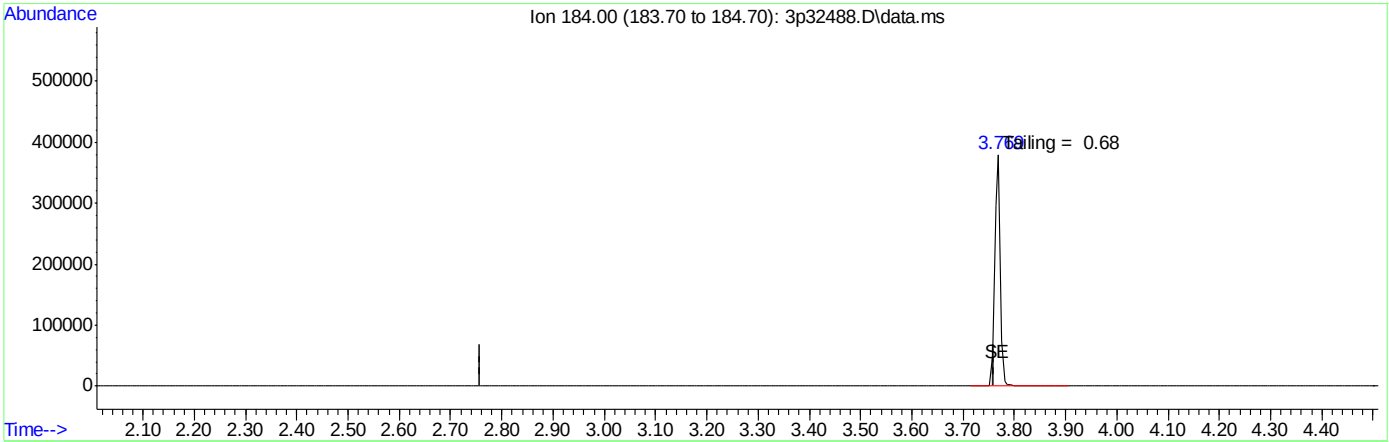
response 0

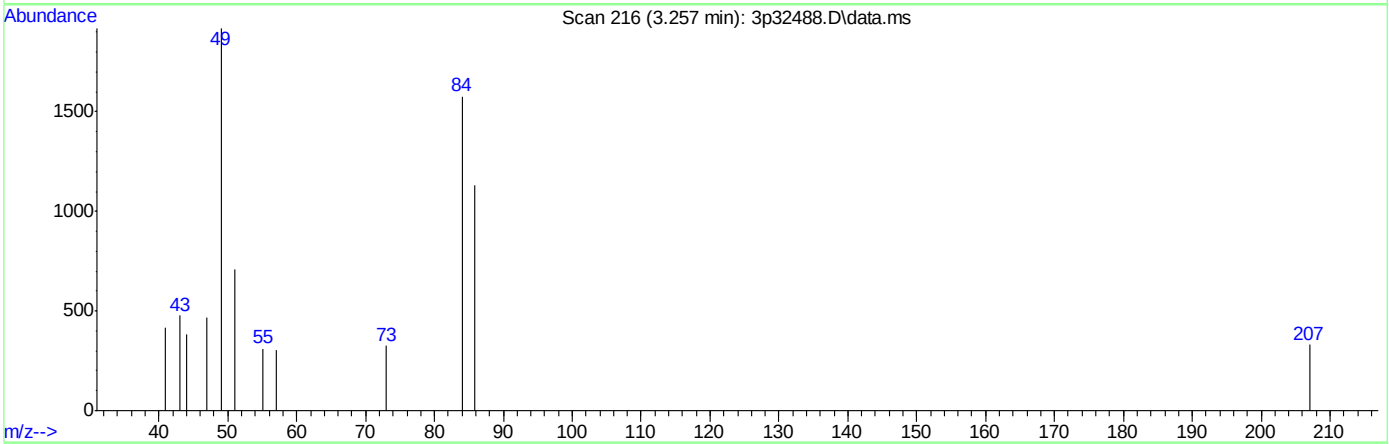
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

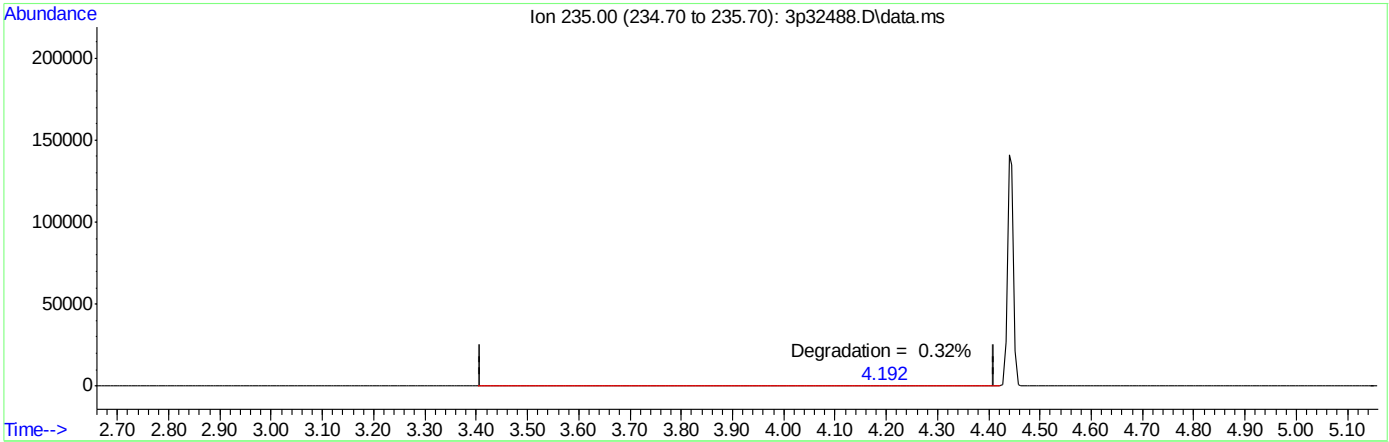
response 0

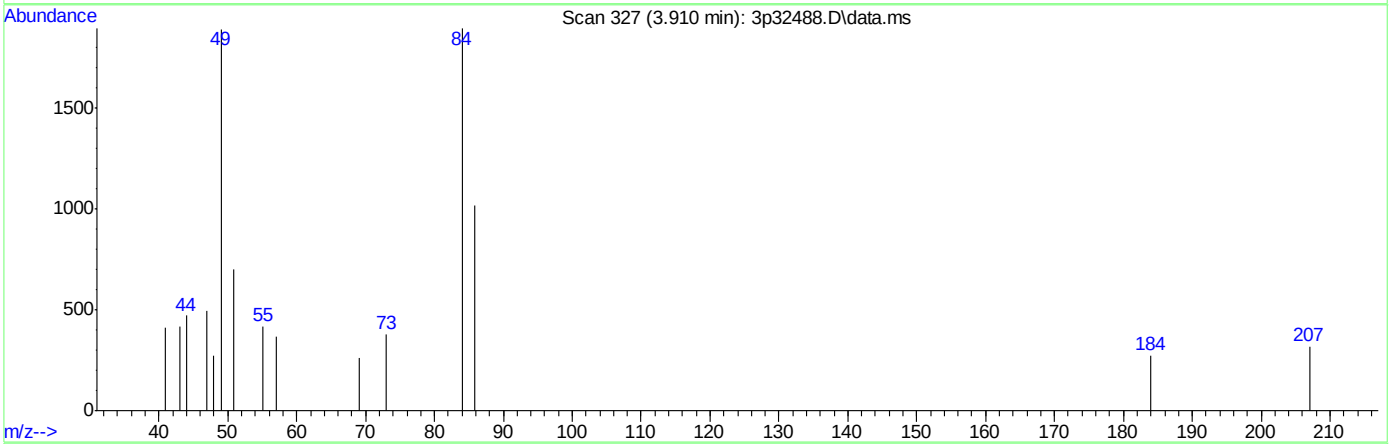
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

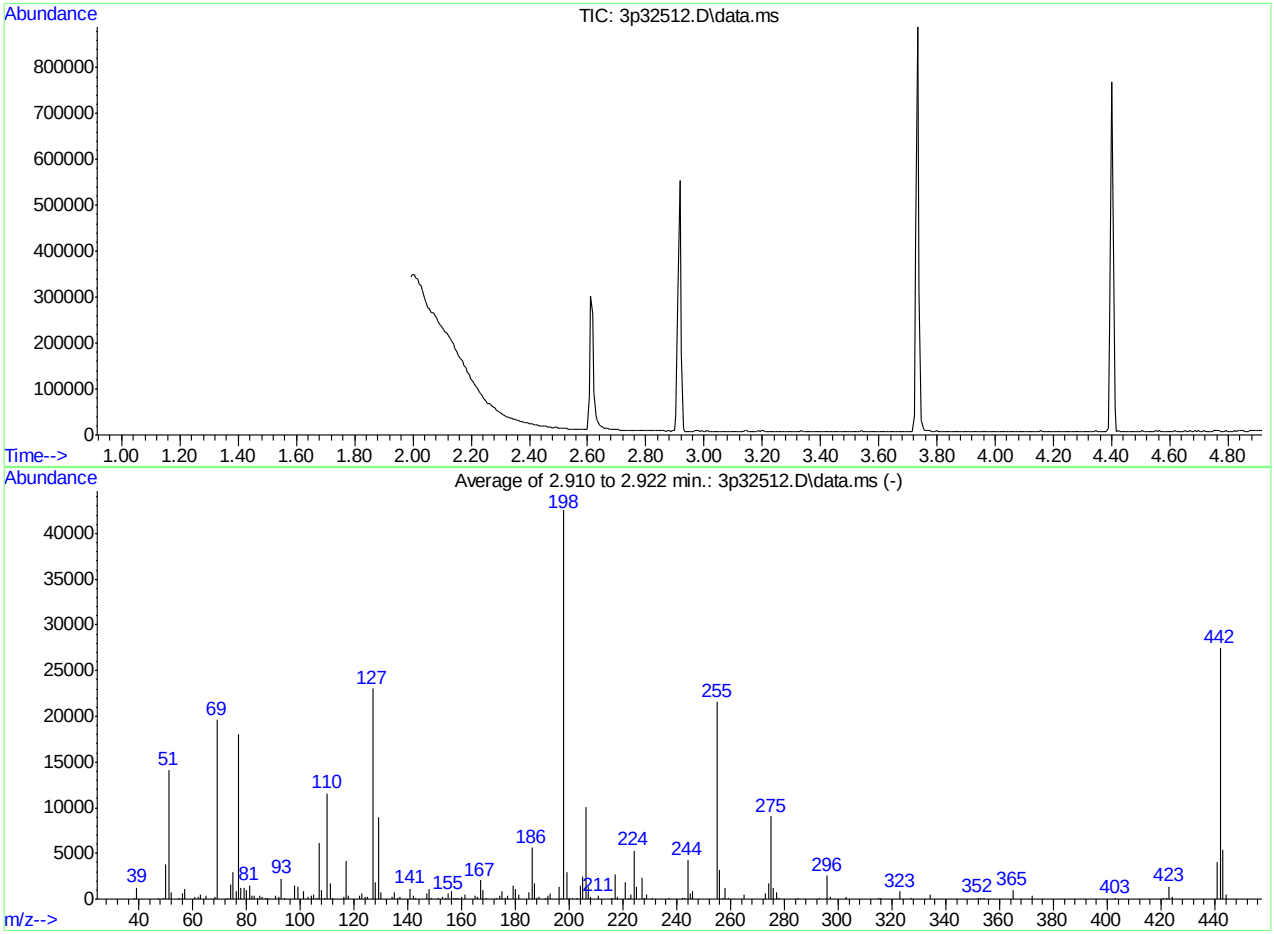
response 0

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

DFTPP

Data File : C:\msdchem\1\DATA\1394\3p32512.D Vial: 1
Acq On : 10 Jun 2014 10:00 am Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75312,e3p1394,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 157, 158, 159; Background Corrected with Scan 153

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	14142	PASS
68	69	0.00	2	1.5	299	PASS
69	198	0.00	100	46.2	19627	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.2	23036	PASS
197	198	0.00	1	0.2	88	PASS
198	198	100	100	100.0	42525	PASS
199	198	5	9	6.9	2950	PASS
275	198	10	30	21.3	9046	PASS
365	198	1	100	2.3	999	PASS
441	443	0.01	100	75.1	4069	PASS
442	198	40	100	64.5	27423	PASS
443	442	17	23	19.8	5421	PASS

3p32512.D DFTPP3P.M Wed Jun 11 10:34:21 2014 RPT1

Average of 2.910 to 2.922 min.: 3p32512.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	185	62.00	231	79.00	1208	91.95	290
39.10	1250	63.00	555	80.00	984	93.00	2217
46.90	13	65.00	351	81.00	1482	93.90	84
49.00	83	68.05	299	82.00	350	98.00	1469
50.10	3864	69.00	19627	83.00	423	99.00	1326
51.05	14142	73.00	74	83.95	178	101.00	826
52.00	693	74.00	1586	84.95	356	103.00	285
55.00	96	75.00	2893	85.90	284	103.90	331
56.00	667	76.00	837	87.00	103	105.00	464
57.00	1050	77.10	18007	87.90	118	106.00	111
60.95	200	78.00	1257	90.95	427	107.00	6080

Average of 2.910 to 2.922 min.: 3p32512.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.00	939	125.00	249	143.00	152	158.90	119
109.00	99	127.00	23036	147.00	620	159.95	246
110.00	11574	128.00	1798	148.00	1095	161.00	546
111.00	1721	129.00	9014	148.90	137	165.00	315
112.00	136	130.00	797	151.00	87	165.95	241
116.00	280	134.00	253	152.95	288	167.00	2047
117.00	4134	134.95	777	154.00	167	168.00	1003
117.95	317	136.00	99	155.00	591	169.00	108
122.00	356	137.00	290	156.00	880	172.90	108
123.00	621	140.95	1107	156.90	130	173.95	379
124.00	235	141.95	343	157.90	93	175.00	803

Average of 2.910 to 2.922 min.: 3p32512.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	159	191.95	373	206.05	10016	225.05	1331
176.95	337	193.00	639	207.00	1394	227.00	2303
179.00	1453	196.00	1303	207.95	289	228.00	183
180.00	1150	196.90	88	210.95	331	228.90	467
181.00	469	198.00	42525	216.00	140	231.00	96
185.00	767	199.00	2950	217.00	2661	236.90	120
186.00	5593	199.90	121	218.00	283	242.00	160
187.00	1731	201.40	98	221.00	1903	243.00	154
188.00	103	203.00	168	222.00	107	244.05	4289
188.90	262	204.00	1491	223.00	554	245.00	569
191.00	86	205.00	2482	224.05	5338	246.00	812

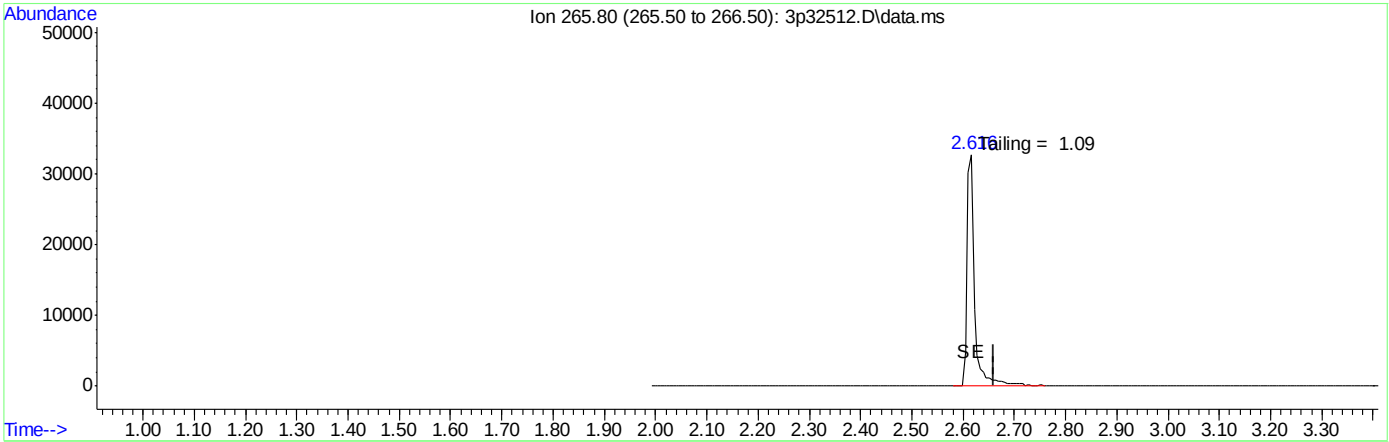
Average of 2.910 to 2.922 min.: 3p32512.D\data.ms
dftpp
Modified:subtracted

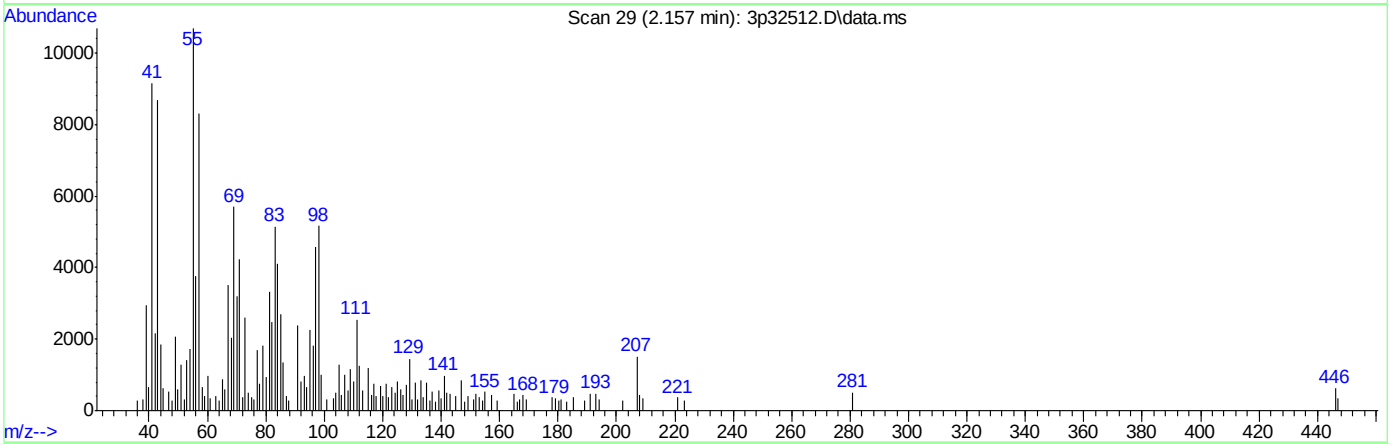
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
255.00	21580	278.00	85	352.00	138	442.05	27423
256.00	3244	285.00	88	353.00	115	443.10	5421
257.00	138	293.00	103	354.00	132	444.00	476
258.00	1290	296.00	2569	365.00	999		
259.00	122	297.00	285	372.00	316		
265.00	553	303.00	251	403.00	119		
273.00	659	314.90	138	421.00	101		
274.00	1661	315.90	98	422.00	103		
275.00	9046	323.00	828	423.00	1411		
276.00	1182	327.00	100	424.00	256		
277.00	737	334.05	522	441.05	4069		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32512.D
Acq On : 10 Jun 2014 10:00 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 10:03:48 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: 3p32512.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

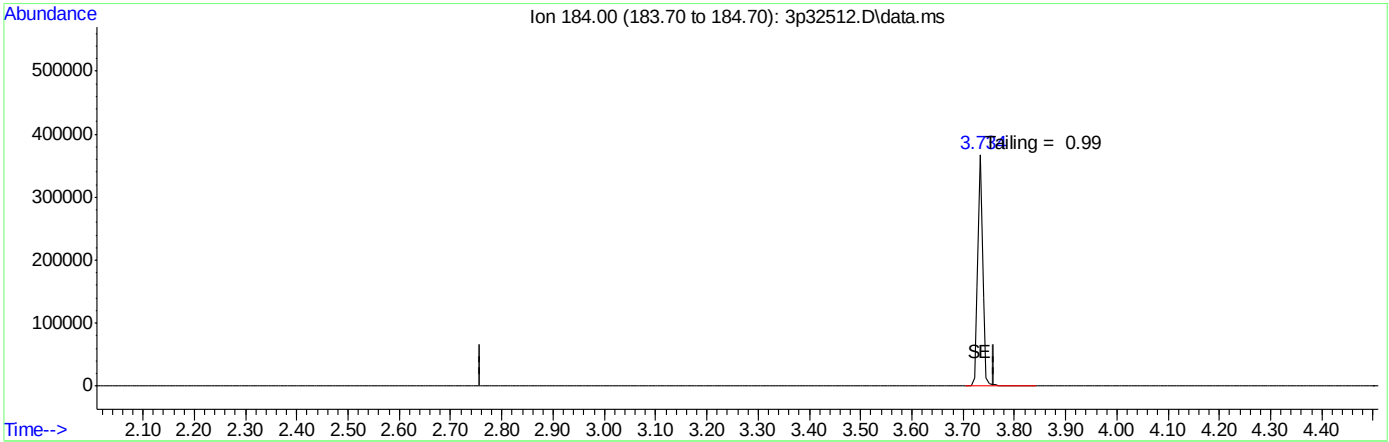
response 0

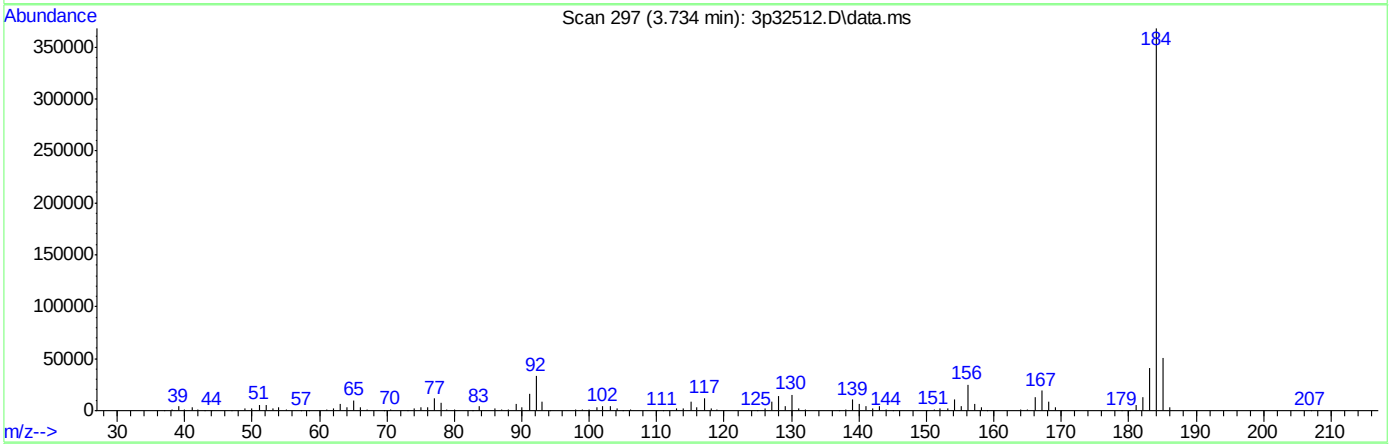
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32512.D
Acq On : 10 Jun 2014 10:00 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 10:03:48 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: 3p32512.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

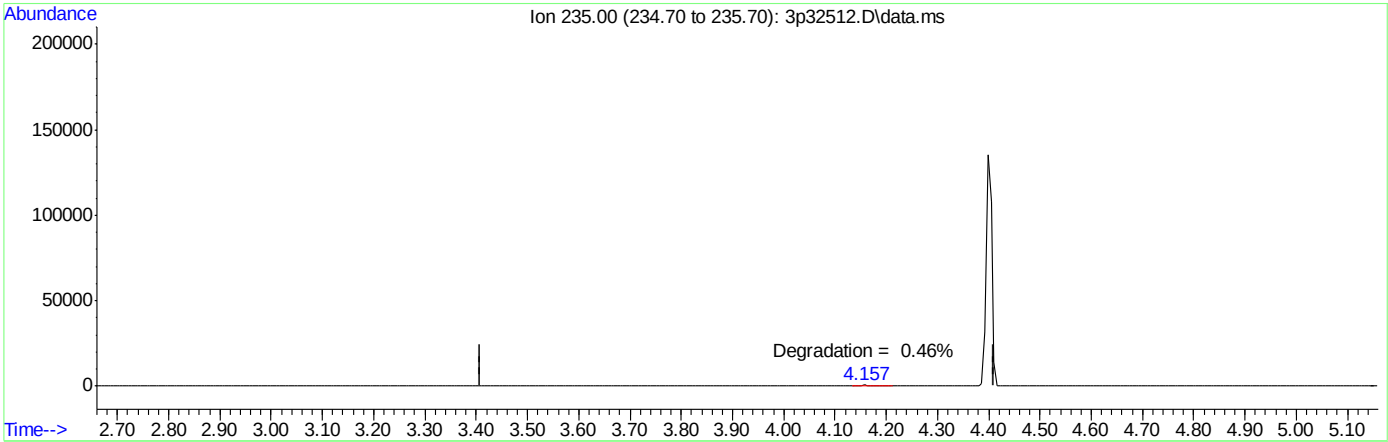
response 0

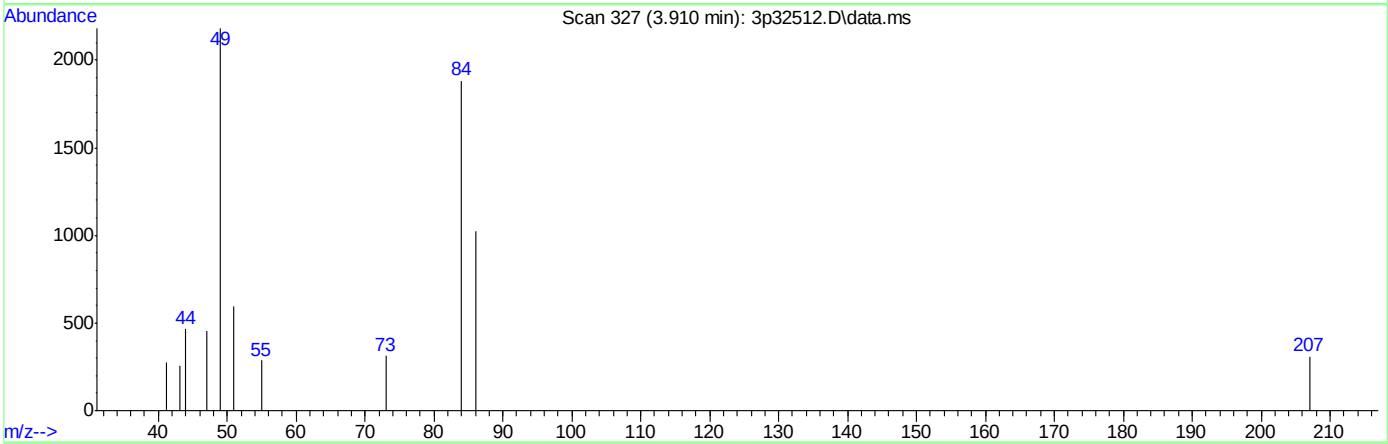
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32512.D
Acq On : 10 Jun 2014 10:00 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 10:03:48 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: 3p32512.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

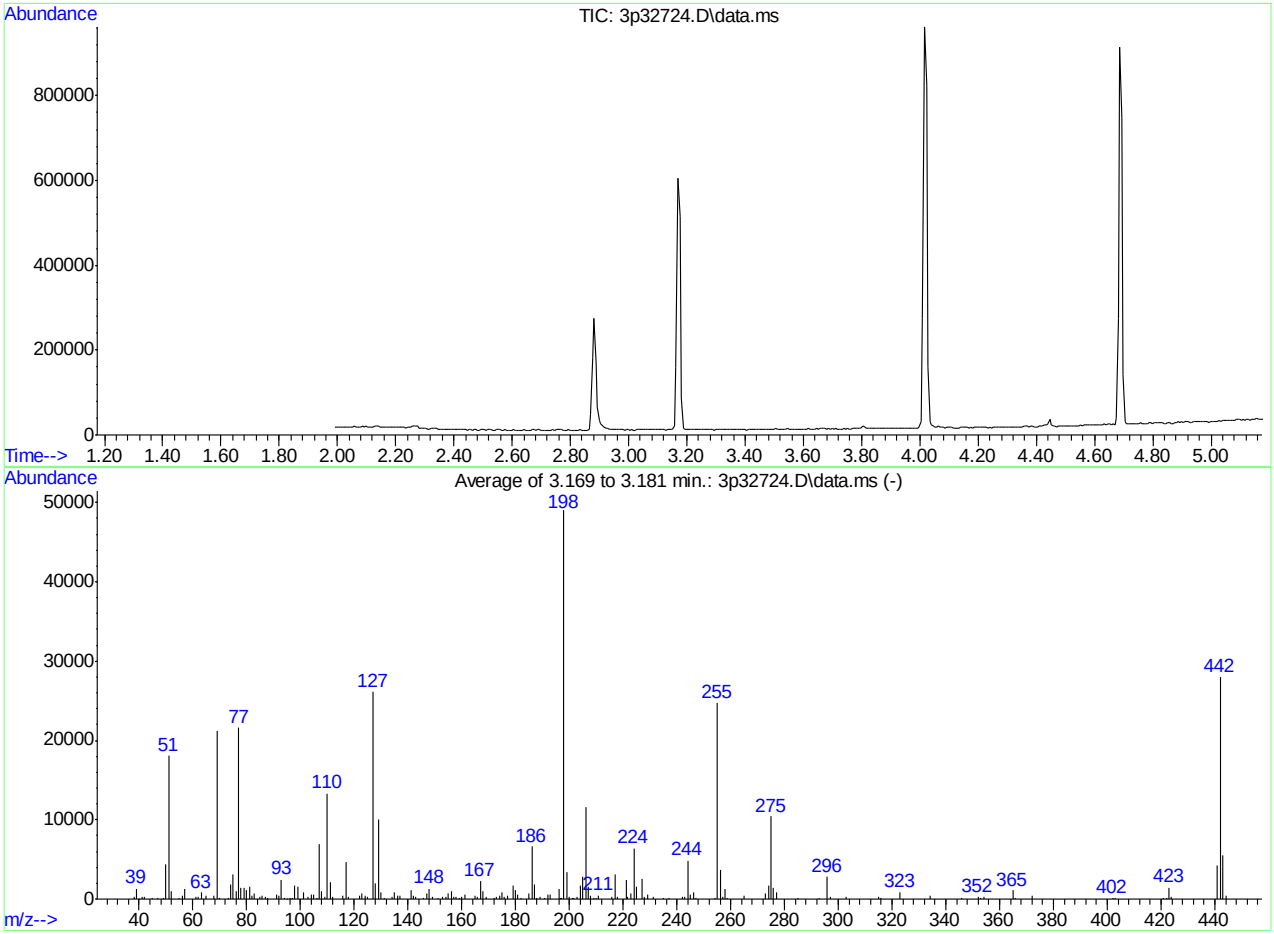
response 0

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\1402\3p32724.D Vial: 1
Acq On : 15 Jun 2014 9:55 am Operator: elwiraa
Sample : dftpp Inst : GC3P
Misc : op75312,e3p1402,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 201, 202, 203; Background Corrected with Scan 197

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.9	18061	PASS
68	69	0.00	2	1.9	399	PASS
69	198	0.00	100	43.2	21162	PASS
70	69	0.00	2	0.5	110	PASS
127	198	40	60	53.2	26088	PASS
197	198	0.00	1	0.4	172	PASS
198	198	100	100	100.0	48992	PASS
199	198	5	9	6.9	3396	PASS
275	198	10	30	21.3	10428	PASS
365	198	1	100	2.3	1112	PASS
441	443	0.01	100	77.6	4292	PASS
442	198	40	100	57.2	27999	PASS
443	442	17	23	19.8	5533	PASS

3p32724.D DFTPP3P.M Mon Jun 16 08:13:27 2014 RPT1

Average of 3.169 to 3.181 min.: 3p32724.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	254	55.00	210	74.00	1880	85.90	416
39.00	1318	55.95	458	75.00	3074	86.95	293
40.00	65	57.00	1325	76.00	965	87.90	97
41.00	222	60.95	314	77.00	21562	90.95	589
42.00	240	61.95	256	78.00	1365	91.95	448
44.90	94	63.00	785	79.00	1468	93.00	2469
46.90	89	65.00	436	80.00	1066	93.95	206
49.00	147	67.95	399	81.00	1627	95.00	11
50.00	4393	69.00	21162	82.00	425	96.00	111
51.00	18061	70.00	110	83.00	675	96.90	97
52.00	930	73.00	123	84.95	226	98.00	1752

Average of 3.169 to 3.181 min.: 3p32724.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.00	1614	111.95	227	129.95	816	148.00	1301
101.00	897	115.90	371	130.95	171	148.95	288
102.90	300	117.00	4679	133.90	286	151.00	109
103.95	568	117.95	354	134.95	791	152.90	328
105.00	567	122.00	416	135.95	377	153.95	259
106.00	130	122.95	765	136.95	430	155.00	696
107.00	6918	123.95	390	141.00	1164	156.00	1030
108.00	1049	124.95	327	141.85	411	156.90	228
109.05	294	127.00	26088	142.95	291	157.90	235
110.00	13288	128.00	2003	145.90	204	158.90	179
111.00	2078	129.00	10086	146.95	697	159.95	335

Average of 3.169 to 3.181 min.: 3p32724.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
161.00	561	177.00	408	191.95	580	204.00	1681
164.90	423	178.95	1733	193.00	605	205.00	2865
165.95	351	180.00	1111	196.00	1258	206.00	11630
167.00	2311	180.95	548	196.70	98	207.00	1533
167.95	947	182.00	88	197.00	172	207.95	407
168.95	221	185.00	769	198.00	48992	209.00	179
171.90	99	186.00	6638	198.90	3396	209.90	91
172.95	232	187.00	1832	199.90	274	210.95	477
174.00	428	187.90	176	201.20	91	215.90	224
175.00	917	189.00	312	201.40	92	217.00	3058
175.95	274	190.95	201	202.90	288	217.95	342

Average of 3.169 to 3.181 min.: 3p32724.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.00	2343	242.00	313	258.90	217	303.00	308
221.60	293	242.95	297	264.90	463	314.95	269
222.95	660	244.00	4816	273.00	670	316.00	91
224.00	6383	245.00	615	274.00	1709	323.00	867
225.00	1611	246.00	879	275.00	10428	333.95	460
227.00	2505	246.95	200	276.00	1363	345.90	84
228.00	346	254.00	93	276.90	904	351.95	266
228.95	503	255.00	24690	285.00	84	353.00	88
231.00	246	256.00	3645	293.00	91	354.00	258
235.00	103	257.00	233	296.00	2798	364.95	1112
237.00	96	258.00	1298	297.00	324	365.90	93

Average of 3.169 to 3.181 min.: 3p32724.D\data.ms
dftpp
Modified:subtracted

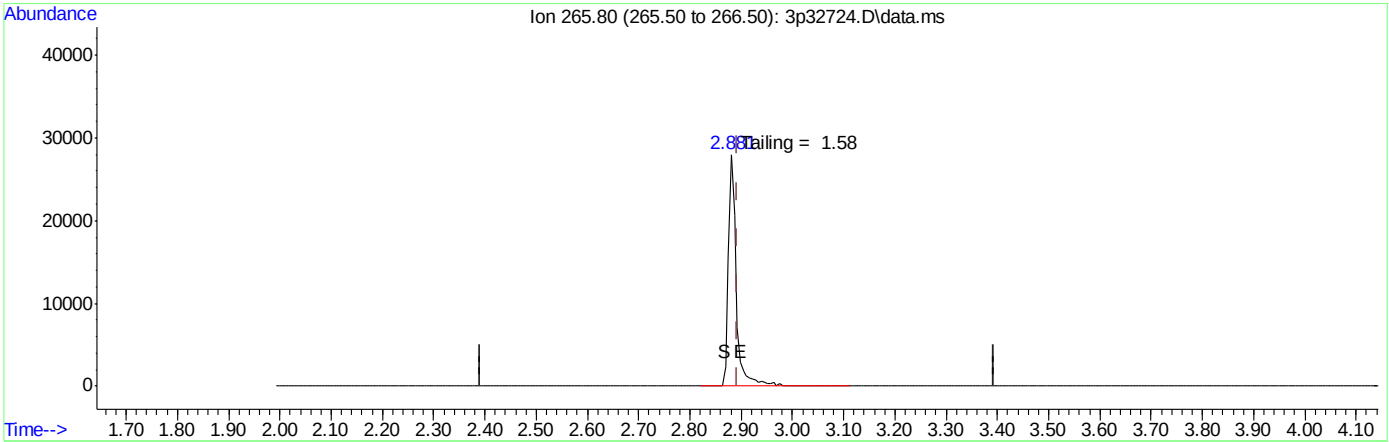
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.95	379						
401.90	98						
403.00	88						
421.00	146						

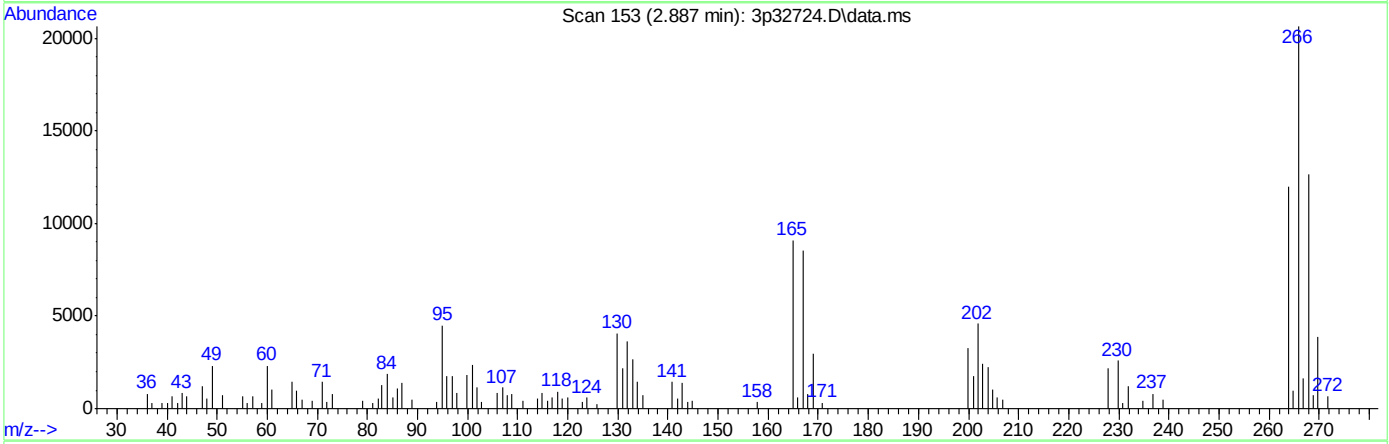
421.90	102
423.00	1456
423.95	263
441.00	4292
442.00	27999
443.00	5533
444.00	496

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32724.D
Acq On : 15 Jun 2014 9:55 am
Operator : elwiraa
Sample : dftpp
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 09:59:09 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: 3p32724.D\data.ms

(1) Pentachlorophenol

2.884min (-0.009) 10.29ppb

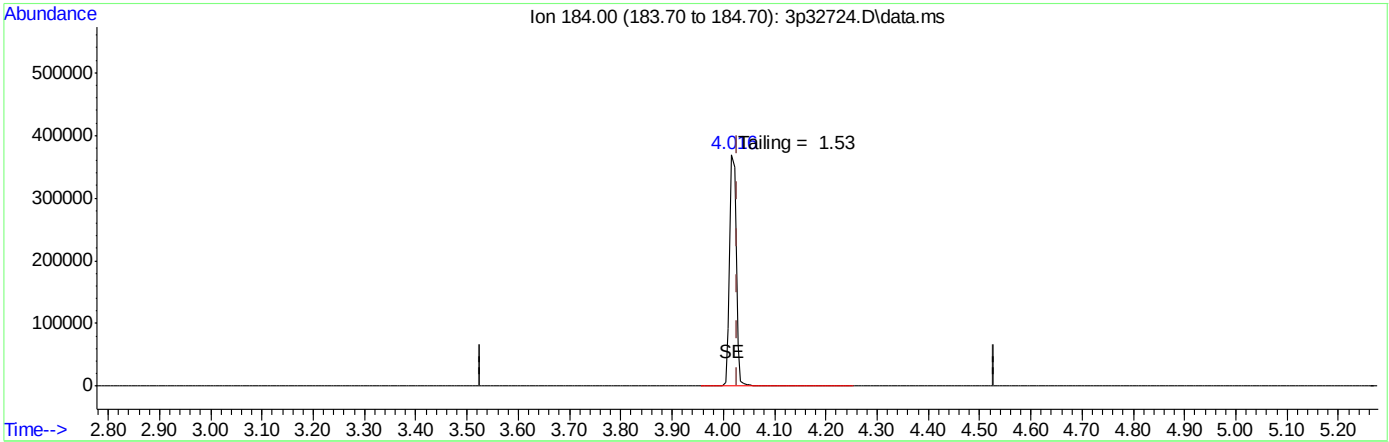
response 300395

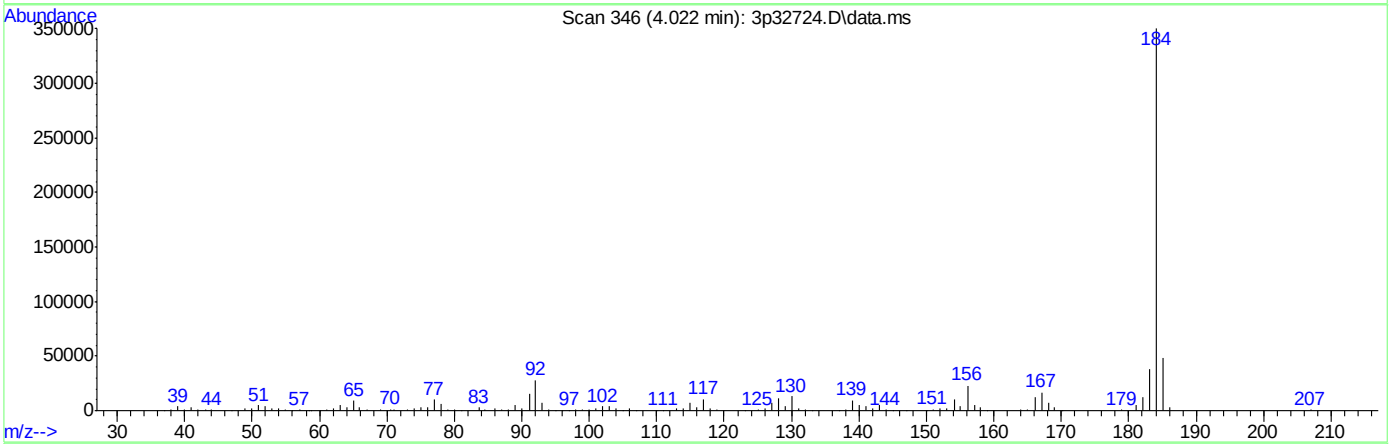
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32724.D
Acq On : 15 Jun 2014 9:55 am
Operator : elwiraa
Sample : dftpp
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 09:59:09 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: 3p32724.D\data.ms

(2) Benzidine

4.021min (-0.007) 18.37ppb

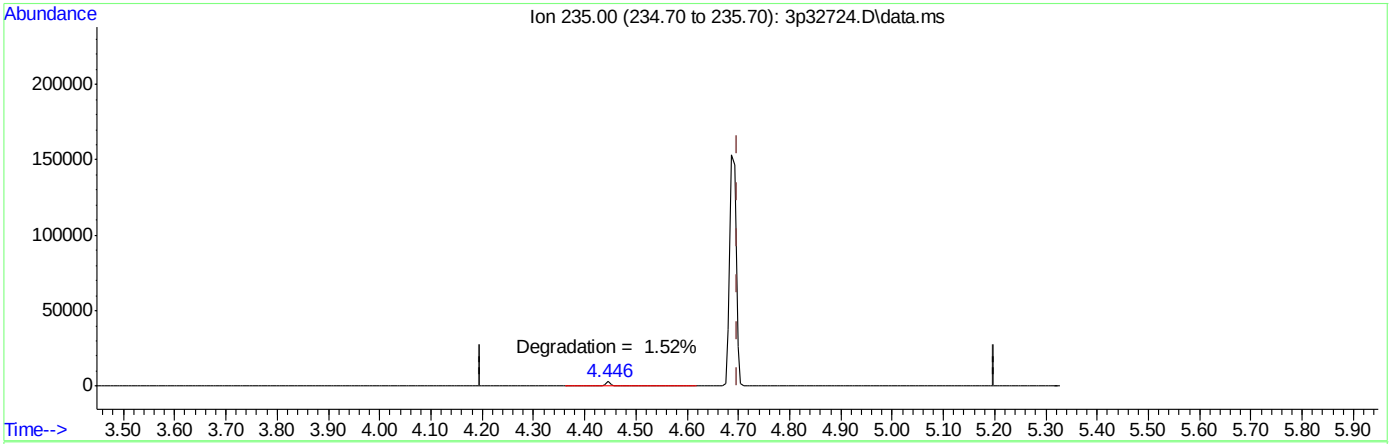
response 3159379

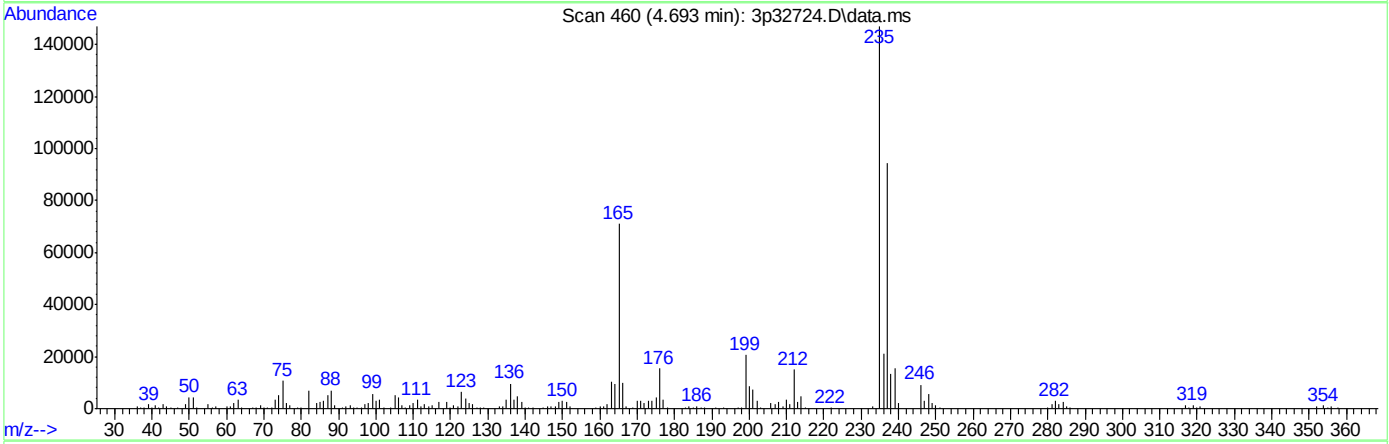
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32724.D
Acq On : 15 Jun 2014 9:55 am
Operator : elwiraa
Sample : dftpp
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 15 09:59:09 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: 3p32724.D\data.ms

(3) PP-DDT

4.692min (-0.007) 16.46ppb

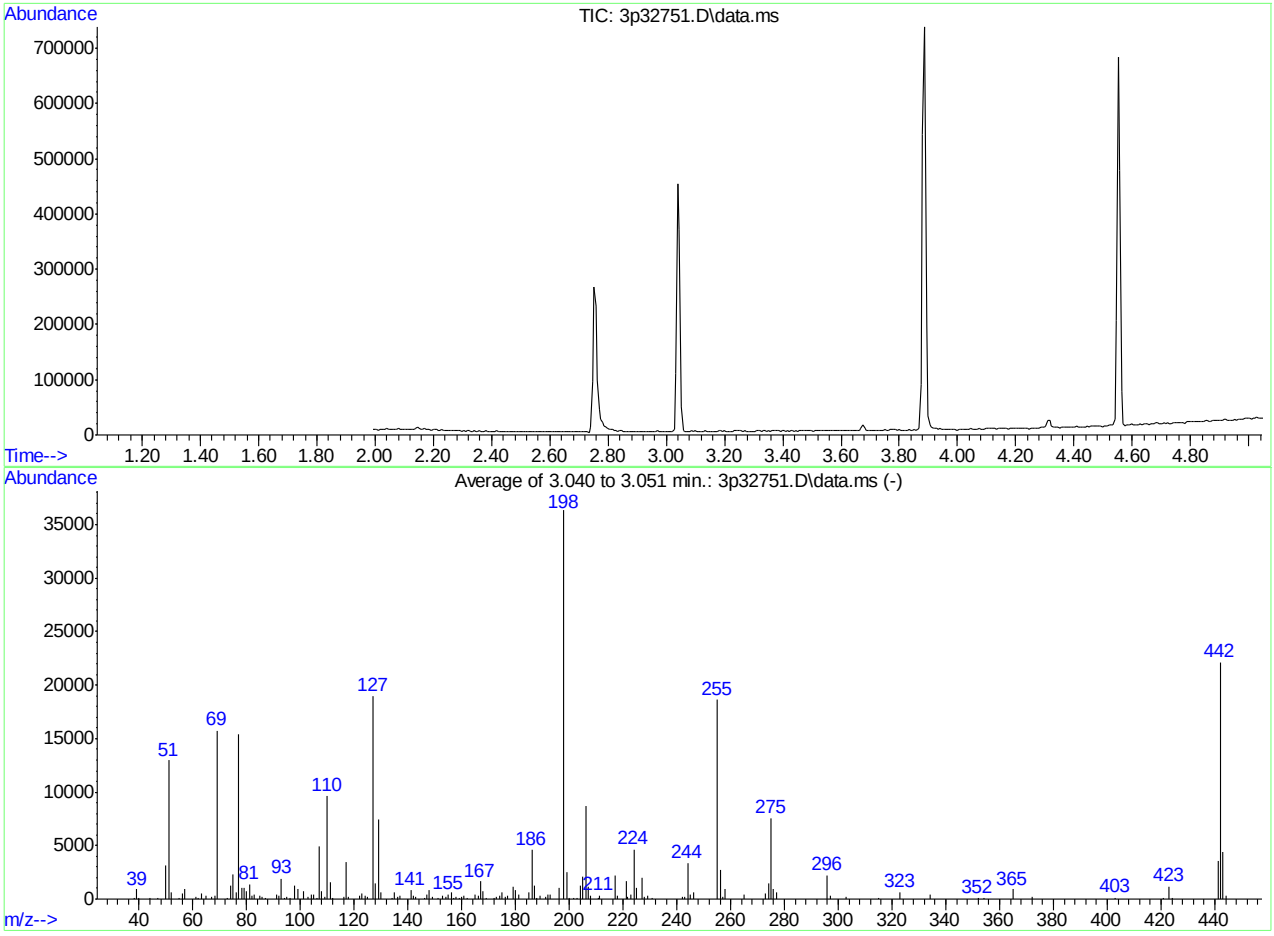
response 1297203

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1403\3p32751.D Vial: 1
Acq On : 16 Jun 2014 9:42 am Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75312,e3p1403,,,1000,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 179, 180, 181; Background Corrected with Scan 175

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.7	12979	PASS
68	69	0.00	2	1.9	299	PASS
69	198	0.00	100	43.3	15732	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.2	18976	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	36324	PASS
199	198	5	9	6.9	2489	PASS
275	198	10	30	20.9	7599	PASS
365	198	1	100	2.5	917	PASS
441	443	0.01	100	79.8	3515	PASS
442	198	40	100	60.9	22121	PASS
443	442	17	23	19.9	4407	PASS

3p32751.D DFTPP3P.M Mon Jun 16 14:40:24 2014 RPT1

Average of 3.040 to 3.051 min.: 3p32751.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	101	61.00	212	77.10	15379	92.00	275
39.05	942	62.00	141	78.05	1044	93.00	1894
40.00	85	63.00	579	79.00	1099	94.00	95
44.00	60	65.00	340	80.00	773	95.05	210
47.00	89	67.05	210	81.00	1405	96.00	88
50.05	3198	68.05	299	82.00	315	98.00	1252
51.00	12979	69.00	15732	83.00	381	99.00	993
52.00	677	72.95	126	85.00	278	101.00	699
55.00	64	74.00	1235	85.90	260	102.95	247
56.00	522	75.00	2339	87.00	95	103.90	418
57.00	979	76.05	653	91.00	373	105.00	400

Average of 3.040 to 3.051 min.: 3p32751.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
106.00	93	123.00	552	141.00	879	156.00	685
107.00	4917	124.00	267	142.00	348	157.00	97
108.00	785	124.95	245	142.90	232	157.95	188
109.10	234	127.00	18976	146.00	117	158.90	93
110.00	9604	128.00	1514	147.00	426	159.95	236
111.00	1526	129.00	7447	148.00	868	160.95	362
112.00	113	130.00	606	148.95	224	162.00	94
115.95	235	134.00	143	151.00	84	164.95	376
117.00	3480	135.00	634	153.00	299	166.00	270
118.00	258	136.00	229	154.00	230	167.00	1657
122.00	323	137.05	295	155.00	423	168.00	698

Average of 3.040 to 3.051 min.: 3p32751.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.00	91	186.00	4574	201.40	88	221.00	1693
171.90	108	187.00	1283	203.00	115	221.80	254
172.95	205	188.00	95	204.00	1224	223.00	414
174.00	327	188.95	268	205.00	2140	224.00	4620
175.00	619	191.00	210	206.05	8660	225.05	1092
176.05	220	192.00	377	207.00	1160	227.00	1988
176.95	292	193.00	384	207.95	305	227.95	257
179.00	1179	196.00	1008	210.60	104	229.00	346
180.00	802	198.00	36324	211.05	327	230.90	91
181.00	394	198.95	2489	217.00	2219	242.05	217
185.00	612	200.10	104	217.95	280	243.00	241

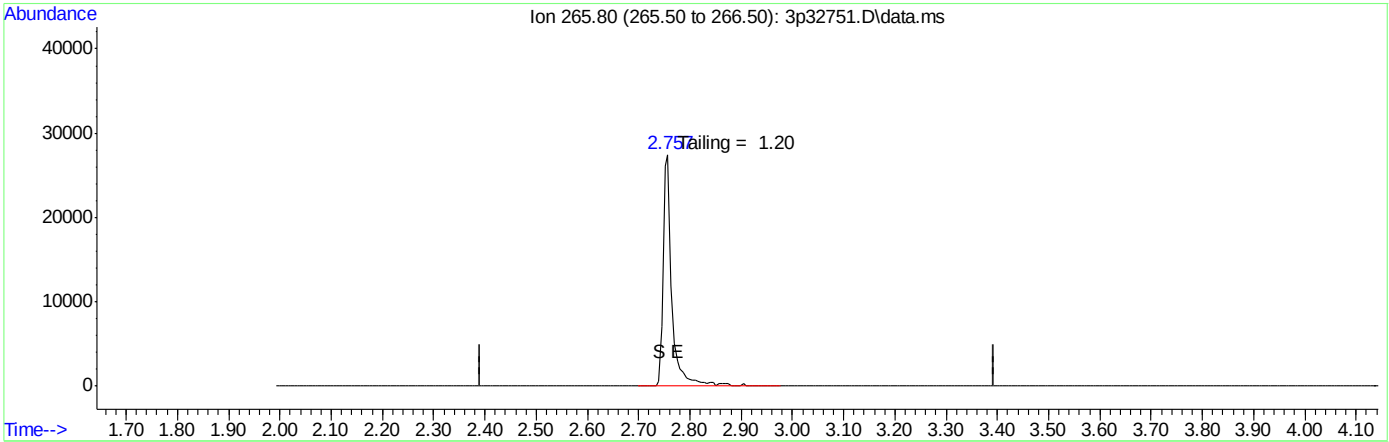
Average of 3.040 to 3.051 min.: 3p32751.D\data.ms
dftpp
Modified:subtracted

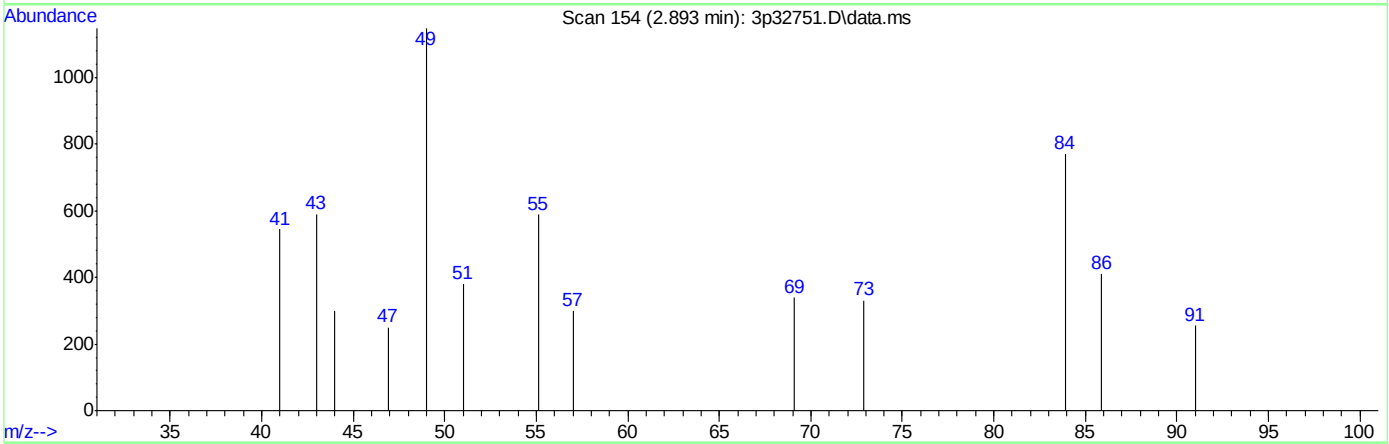
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.10	3399	276.00	955	372.00	254		
245.00	427	277.00	660	403.00	109		
246.00	591	296.00	2248	421.00	84		
255.00	18603	296.95	266	423.05	1179		
256.00	2730	303.00	228	424.00	128		
257.00	195	315.00	123	441.10	3515		
258.00	973	323.10	643	442.05	22121		
265.00	454	334.05	379	443.10	4407		
273.00	523	352.00	84	444.00	367		
274.00	1443	354.10	105				
275.00	7599	365.00	917				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32751.D
Acq On : 16 Jun 2014 9:42 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 09:45:38 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: 3p32751.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

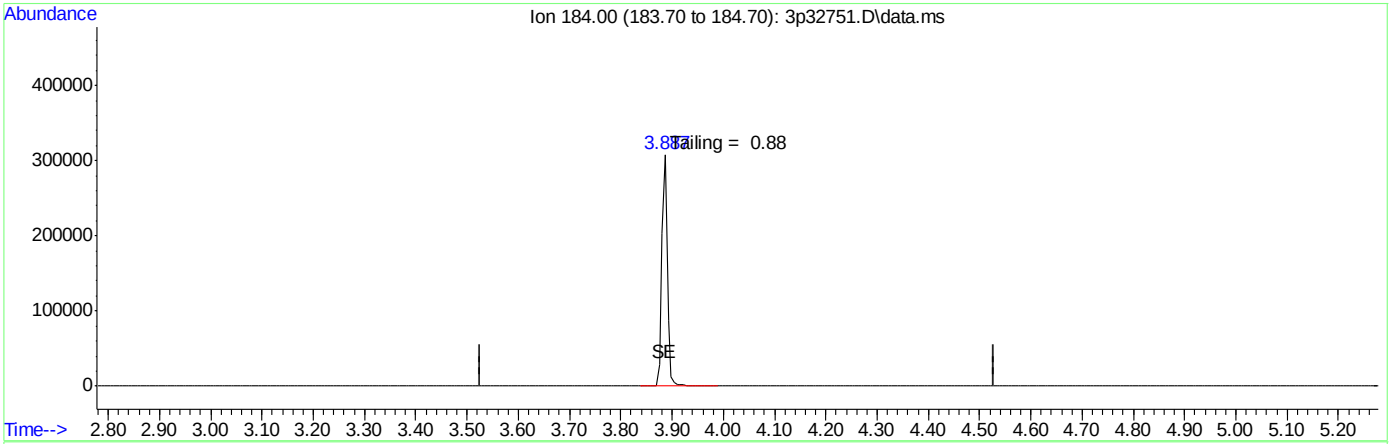
response 0

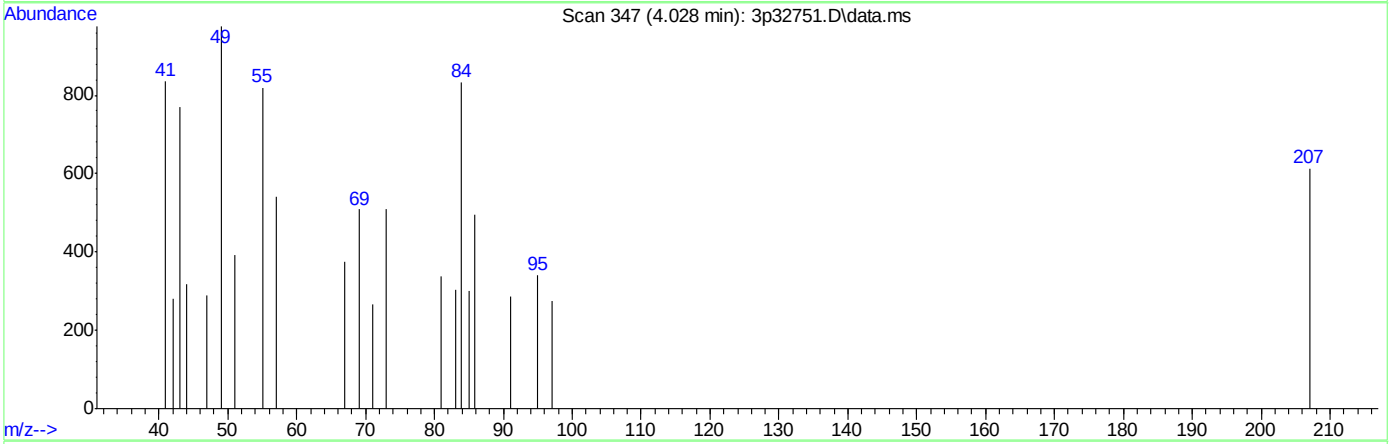
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32751.D
Acq On : 16 Jun 2014 9:42 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 09:45:38 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: 3p32751.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

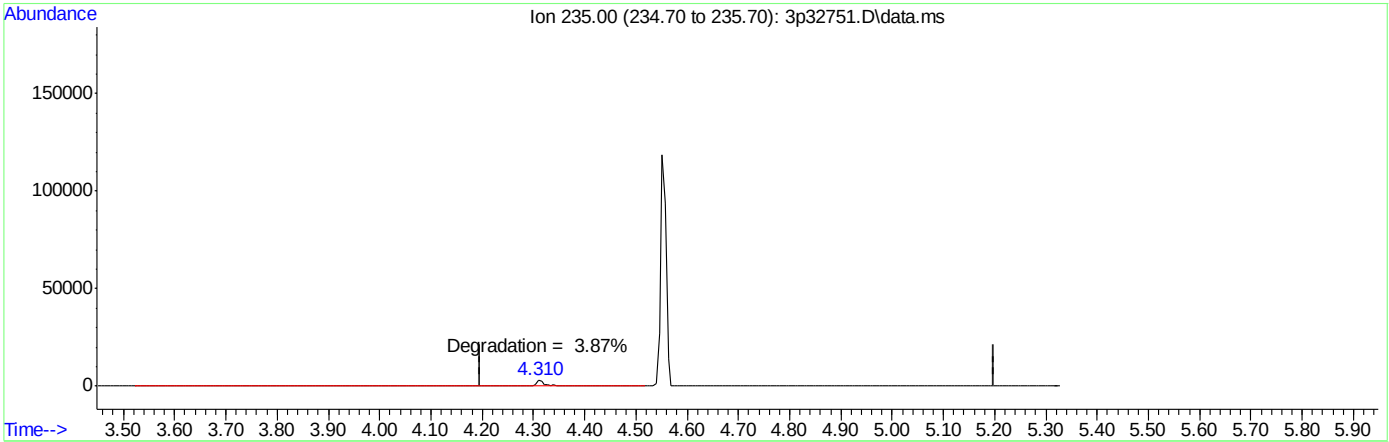
response 0

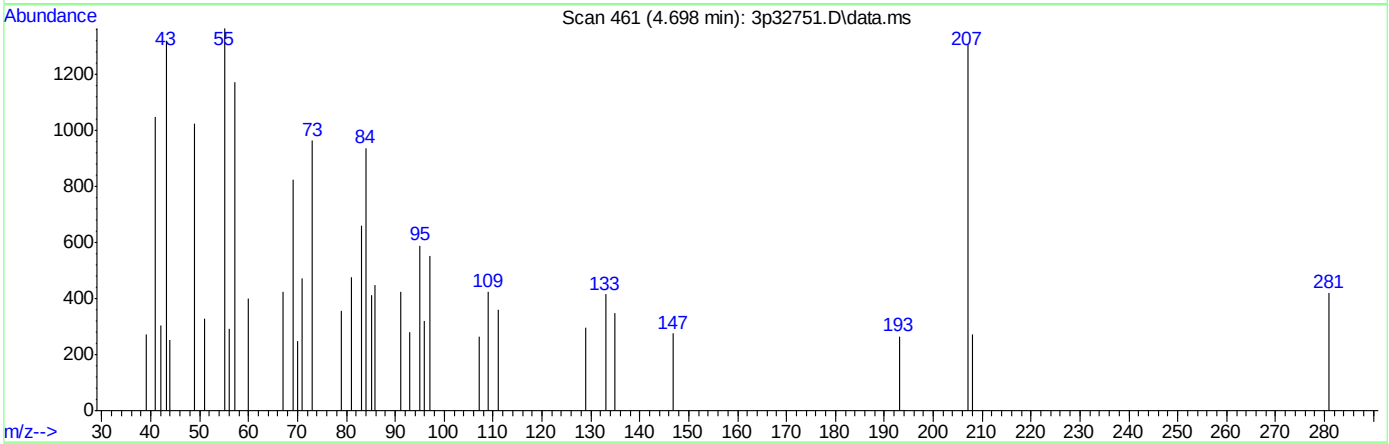
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32751.D
Acq On : 16 Jun 2014 9:42 am
Operator : samtap
Sample : dftpp
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 16 09:45:38 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: 3p32751.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

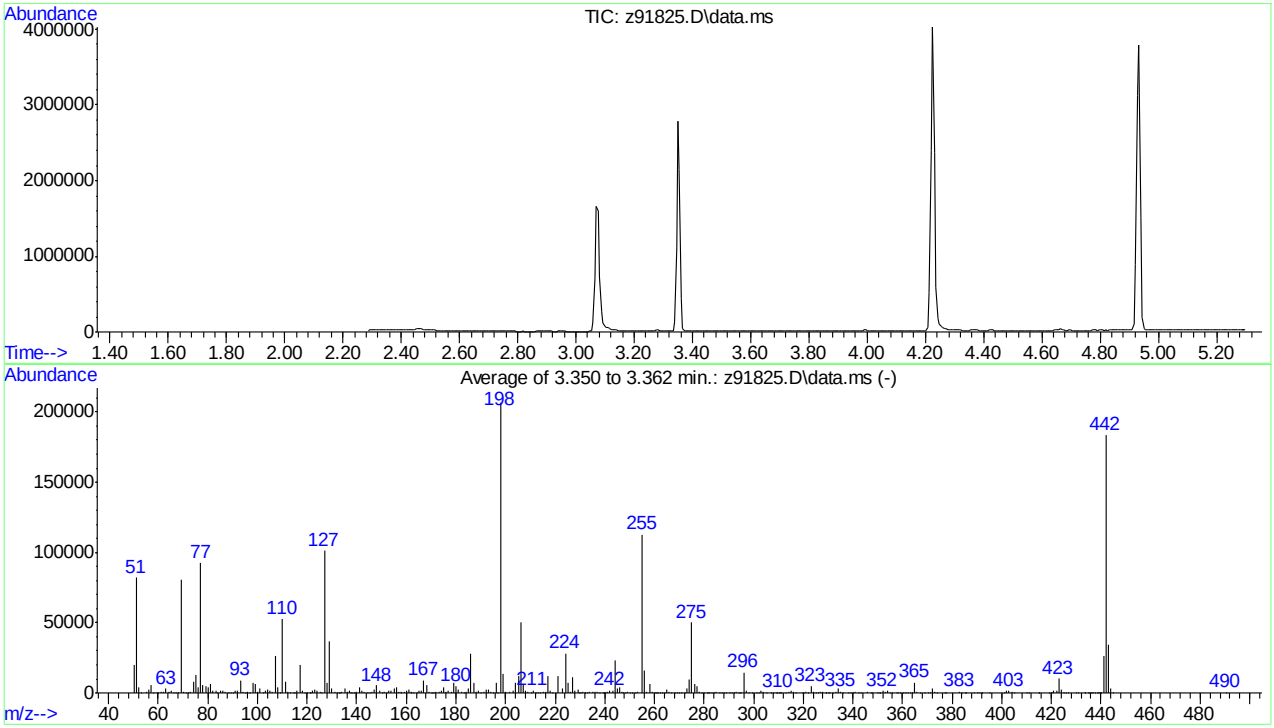
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4570\
Data File : z91825.D
Acq On : 24 May 2014 3:10 pm
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 187, 188, 189; Background Corrected with Scan 182

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	82004	PASS
68	69	0.00	2	0.4	340	PASS
69	198	0.00	100	39.0	80616	PASS
70	69	0.00	2	0.6	447	PASS
127	198	40	60	49.0	101317	PASS
197	198	0.00	1	0.1	133	PASS
198	198	100	100	100.0	206736	PASS
199	198	5	9	6.5	13496	PASS
275	198	10	30	24.2	50106	PASS
365	198	1	100	3.5	7230	PASS
441	443	0.01	100	76.0	26182	PASS
442	198	40	100	89.0	183933	PASS
443	442	17	23	18.7	34432	PASS

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	20298	62.10	1072	73.05	450	83.95	39
51.05	82004	63.10	2834	74.05	7887	85.10	1232
52.10	4136	64.10	424	75.10	12467	86.10	1629
53.10	206	65.15	1693	76.10	4250	87.10	766
55.10	464	66.00	47	77.10	92232	88.05	246
56.10	2221	67.10	38	78.05	6015	89.00	156
57.10	5533	68.05	340	79.10	5105	90.05	80
58.05	245	69.10	80616	80.10	4262	91.10	1286
59.15	178	70.05	447	81.10	6093	92.10	1370
59.95	33	71.15	361	82.10	1635	93.10	9058
61.10	945	71.90	41	83.10	1407	94.05	660

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	217	106.10	690	117.10	19887	127.10	101317
96.15	596	107.05	26724	118.10	1643	128.10	7468
97.05	62	108.10	4345	119.05	92	129.10	36940
98.10	7138	109.10	65	120.00	394	130.00	2981
99.10	6096	110.05	52325	121.10	133	131.05	700
100.10	598	111.10	7746	121.30	19	132.05	322
101.00	3369	112.10	1073	122.00	1640	133.00	162
102.05	285	113.10	311	123.10	2645	133.20	94
103.05	1273	114.30	43	124.00	1309	134.10	1201
104.05	2228	115.05	249	125.10	1192	135.05	2965
105.05	1923	116.05	1294	125.90	39	136.05	1175

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1569	147.05	2656	157.80	30	167.05	9189
137.70	22	148.05	5361	158.05	734	168.10	5245
138.00	360	149.10	1319	159.05	597	169.00	1110
139.05	247	150.05	395	160.10	1465	170.05	286
140.00	523	151.10	707	161.05	2186	170.60	26
141.00	4383	152.00	275	161.80	28	171.05	365
142.05	1727	153.00	1345	162.05	618	172.05	797
143.00	994	154.00	1246	163.00	220	173.10	1063
144.10	298	155.10	2897	164.05	245	174.10	1816
145.05	276	156.10	3792	165.10	1838	175.10	3963
146.05	785	157.05	759	166.05	1469	176.00	1158

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	1720	188.10	784	199.00	13496	210.10	359
178.05	575	189.00	1766	199.80	88	211.00	1956
179.05	6993	190.00	302	200.00	915	211.90	32
180.10	4846	191.10	482	201.60	1034	212.95	148
181.10	2224	192.05	2201	203.10	1320	214.05	58
182.05	462	193.10	2654	204.10	6915	215.05	513
182.95	293	194.10	665	205.10	11825	216.05	980
184.00	547	195.05	135	206.05	49920	217.00	12086
185.10	3437	196.10	6882	207.05	6513	218.05	1678
186.10	27653	196.90	133	208.05	1687	219.05	216
187.10	7606	198.00	206736	209.05	730	221.10	11779

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.10	2912	232.15	127	242.10	1706	252.10	249
224.10	28216	233.10	242	243.10	1488	253.00	435
225.10	7191	234.00	748	244.10	22989	255.10	112904
226.10	834	235.00	891	245.10	2828	256.10	16335

DFTPPZ.M Tue May 27 09:59:10 2014 RTE

227.05	10881	236.00	503	246.05	4362	257.05	1121
228.00	1608	237.05	897	247.05	963	258.00	6236
229.05	2490	238.05	108	247.40	26	259.00	1122
229.80	31	239.00	421	248.05	161	260.00	152
230.00	180	239.70	20	249.05	794	260.30	17
231.05	929	240.10	331	250.05	199	260.90	149
231.90	25	241.10	603	251.05	191	261.20	36

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.10	50	273.10	3493	283.10	378	294.00	210
263.10	71	274.10	9288	284.10	274	294.20	101
263.90	90	275.10	50106	285.05	858	295.00	306
265.05	2742	276.10	6788	286.10	127	296.00	14464
265.90	450	277.00	4548	287.00	37	297.00	2021
266.95	75	278.00	744	288.00	63	298.05	140
267.95	290	279.10	176	289.05	162	299.20	26
269.00	46	280.10	16	290.10	186	301.05	149
269.95	84	281.05	94	290.95	120	302.05	354
271.00	252	281.90	95	291.95	224	303.05	1801
272.00	300	282.10	35	293.05	964	304.00	432

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
305.00	31	316.05	943	328.00	463	339.00	73
306.90	21	317.05	210	329.00	86	339.90	47
308.00	212	319.80	55	329.20	18	341.10	782
309.10	186	320.10	31	329.90	22	342.15	224
309.30	18	321.10	631	330.60	23	343.10	46
310.05	228	322.05	278	332.05	293	346.00	1132
310.80	23	323.10	4963	333.05	435	347.10	223
311.10	33	324.05	1011	334.10	3122	347.70	26
313.00	127	325.05	121	335.10	894	350.00	17
314.10	701	326.00	68	335.95	122	350.70	18
315.05	1601	327.00	927	338.20	18	351.05	75

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.10	1595	363.00	23	376.90	22	395.05	68
353.05	1157	363.95	50	377.30	23	401.05	231
354.10	1612	365.00	7230	383.00	831	402.00	1362
355.10	348	365.95	1031	384.00	213	403.00	1562
356.00	21	367.05	65	385.10	56	404.05	601
357.70	21	368.70	16	385.80	22	405.20	95
358.00	44	370.05	128	388.70	25	410.00	27
358.90	200	371.00	409	390.05	318	411.10	18
360.10	22	372.05	3002	391.00	244	414.95	58
361.20	29	373.05	663	391.90	41	415.20	33
362.00	20	374.10	141	392.10	132	418.90	16

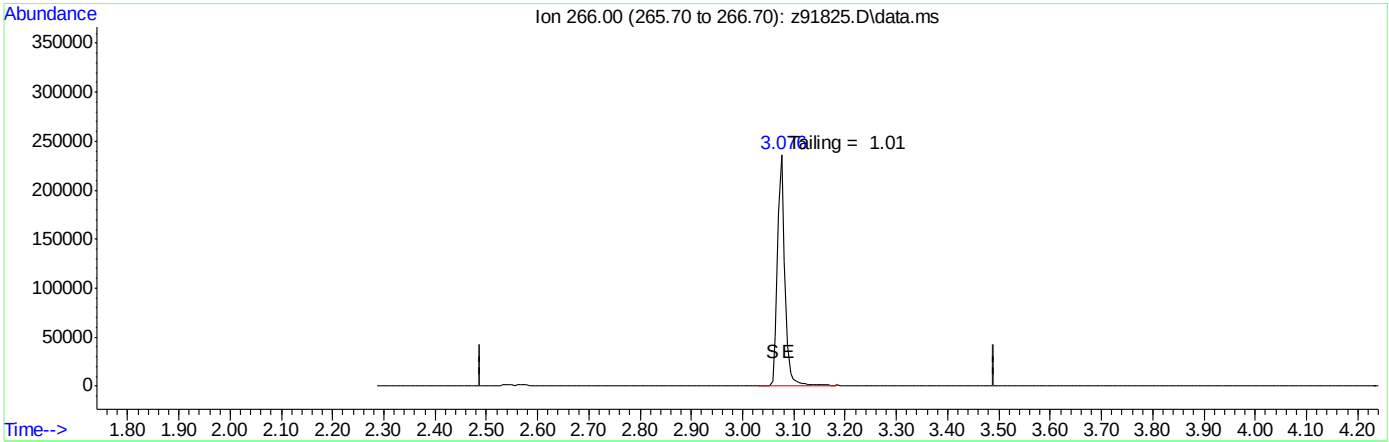
Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

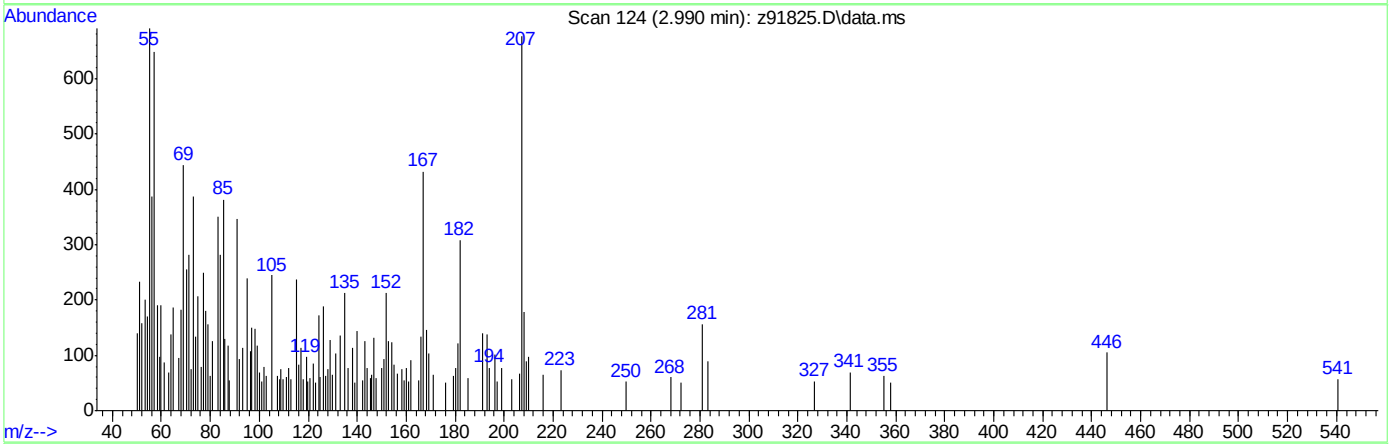
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.90	23	433.40	21	439.80	46		
420.10	27	433.60	22	440.00	75		
421.00	1445	434.90	22	441.05	26182		
422.05	1357	435.45	49	442.10	183933		
423.05	10226	435.90	70	443.10	34432		
424.00	2224	436.30	39	444.00	2922		
425.10	177	436.80	34	444.95	232		
426.00	26	437.40	32	490.30	18		
426.90	19	438.35	46				
430.10	24	439.00	30				
431.00	17	439.30	51				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

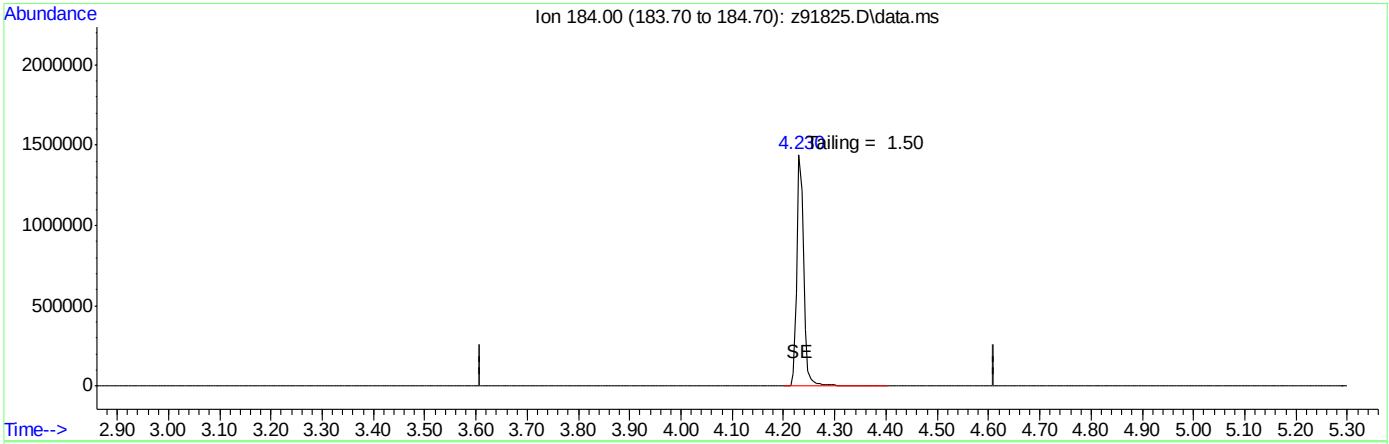
response 0

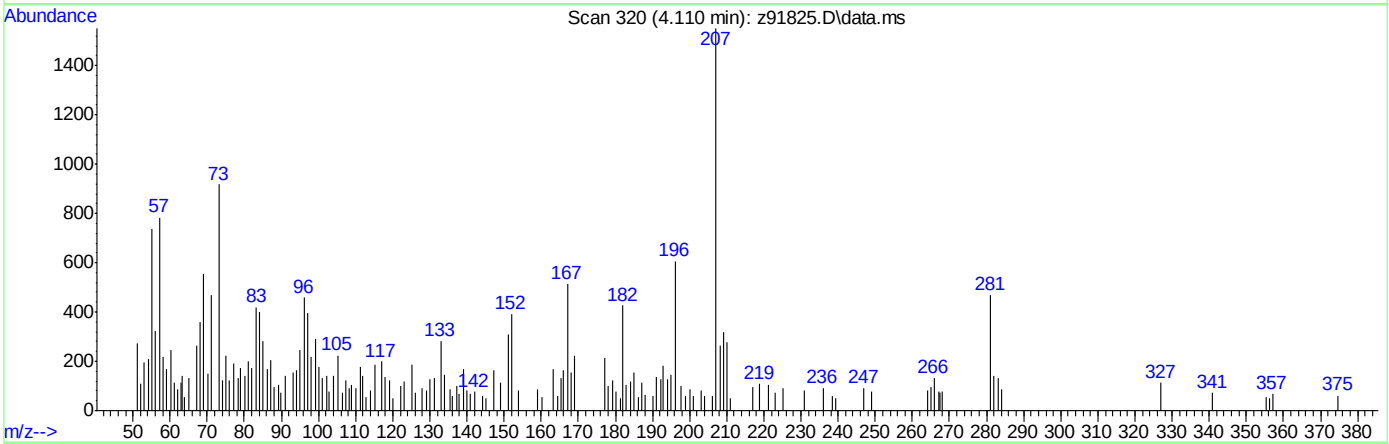
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

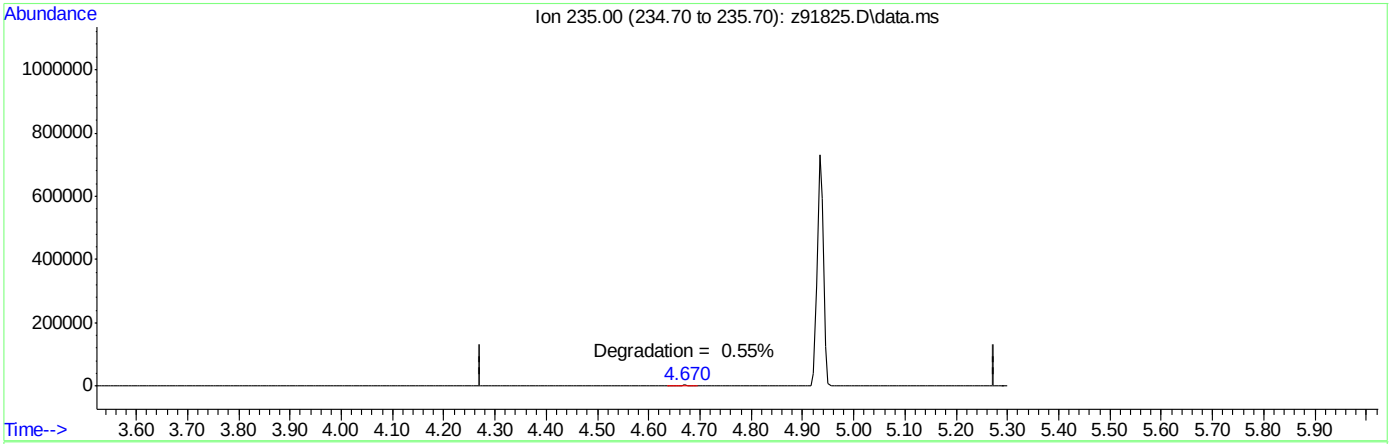
response 0

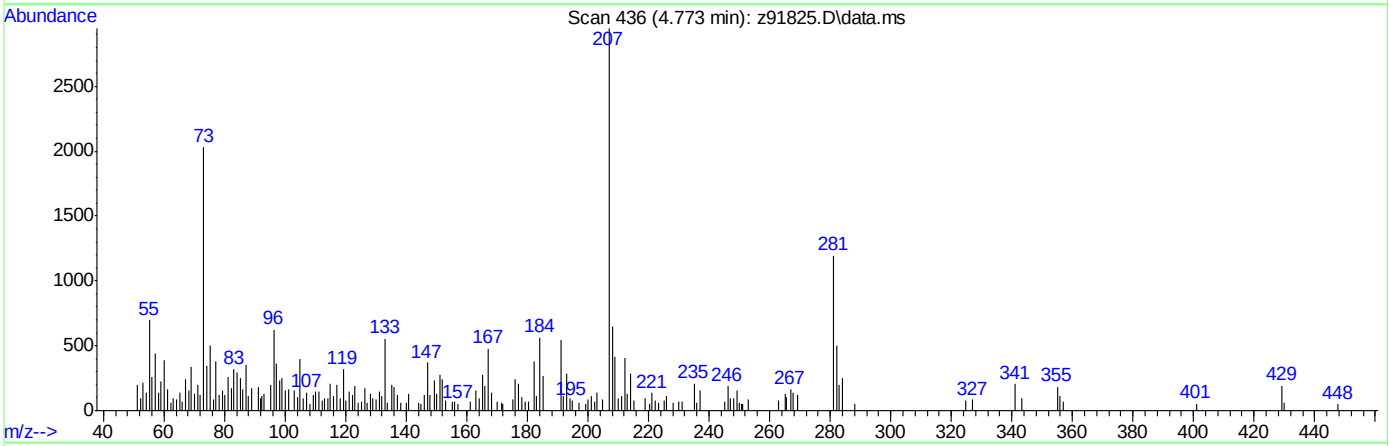
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

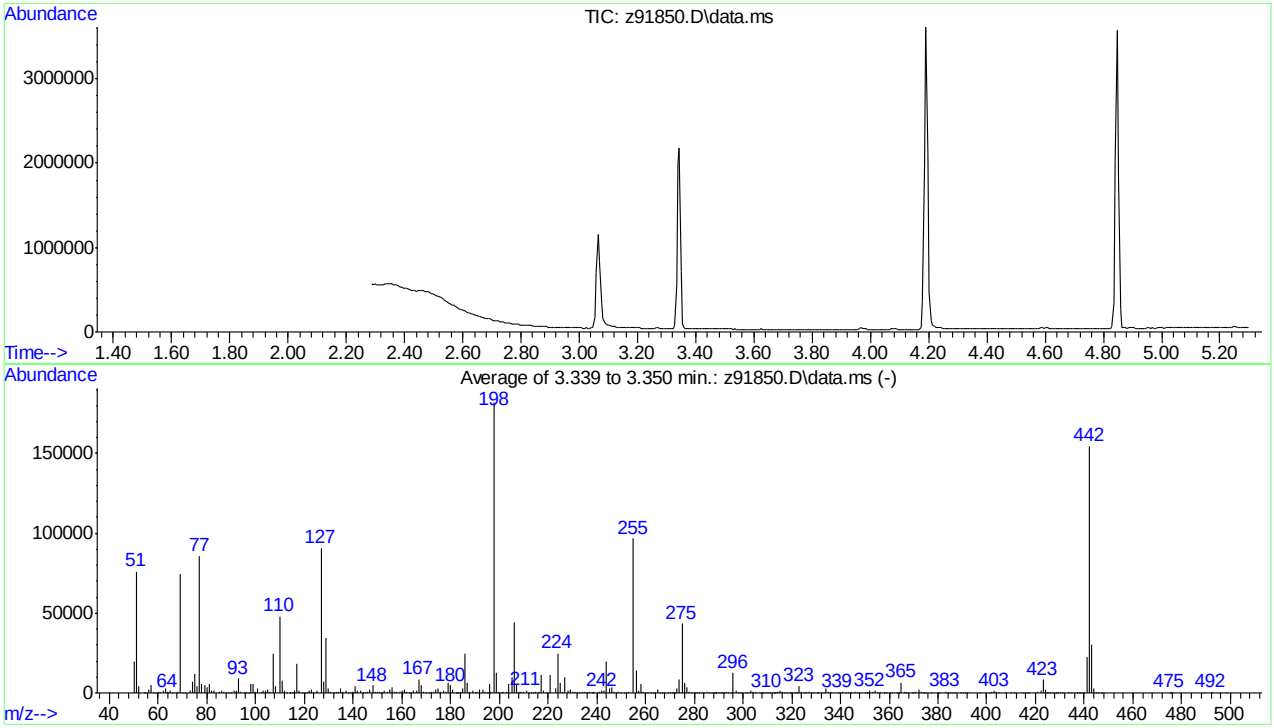
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 185, 186, 187; Background Corrected with Scan 180

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.7	75914	PASS
68	69	0.00	2	0.6	409	PASS
69	198	0.00	100	40.8	74198	PASS
70	69	0.00	2	0.5	370	PASS
127	198	40	60	49.9	90865	PASS
197	198	0.00	1	0.3	582	PASS
198	198	100	100	100.0	181938	PASS
199	198	5	9	6.8	12334	PASS
275	198	10	30	23.9	43512	PASS
365	198	1	100	3.5	6452	PASS
441	443	0.01	100	74.3	22306	PASS
442	198	40	100	85.0	154616	PASS
443	442	17	23	19.4	30040	PASS

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	19569	62.10	1195	74.10	7119	86.05	1642
51.10	75914	63.05	2767	75.10	11827	87.10	743
52.10	3916	64.10	498	76.15	3959	88.00	255
54.30	59	65.10	1569	77.05	85688	89.10	153
55.10	214	66.05	168	78.10	5685	90.00	26
56.10	1922	67.10	32	79.10	5271	91.10	1254
57.10	5040	68.10	409	80.10	3747	92.00	1203
58.15	256	69.10	74198	81.10	5312	93.05	8818
59.05	30	70.10	370	82.10	1363	94.10	528
60.10	101	71.10	174	83.05	1359	95.15	257
61.00	997	73.10	1133	85.10	949	96.10	155

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	278	108.10	3919	119.10	274	131.00	501
98.10	5868	110.05	48050	120.00	300	132.00	270
99.10	5630	111.05	7566	121.00	136	133.05	229
100.05	462	112.10	1092	122.10	1706	134.00	865
101.10	3050	113.05	284	123.05	2405	135.05	2720
102.05	118	114.10	88	124.00	1026	136.05	893
103.05	1216	114.40	23	125.05	1174	137.05	1716
104.00	1608	115.00	124	127.05	90865	138.00	373
105.10	1857	116.10	1223	128.10	6946	139.05	138
106.10	613	117.10	18051	129.05	34157	140.05	528
107.10	24436	118.05	1477	130.05	3023	141.00	3992

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.00	1545	151.95	307	163.00	265	174.10	1940
143.05	1107	153.05	1235	164.00	177	175.10	3148
144.00	320	154.05	911	165.00	1460	176.05	854
145.05	203	155.10	2284	166.10	1475	177.00	1594
146.00	627	156.10	3374	167.05	8440	178.05	594
147.05	2399	157.05	684	168.05	4680	178.95	6059
148.05	4767	157.95	830	169.05	950	180.10	4755
149.05	1079	159.10	581	170.00	345	181.10	1999
150.10	384	160.05	1344	171.05	337	182.05	301
151.05	409	161.00	1919	172.05	795	182.80	31
151.30	233	162.05	633	173.10	938	183.05	192

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.00	627	195.05	341	206.05	44306	217.00	11057
185.10	3034	196.10	5816	207.10	5530	218.05	1435
186.10	24345	196.70	582	208.00	983	219.10	101
187.10	6676	198.00	181938	209.10	494	221.05	11116
188.00	672	199.00	12334	210.05	485	223.10	2542
189.00	1366	199.95	902	211.10	1576	224.10	24669
190.05	199	201.30	163	212.05	337	225.10	6570
191.05	747	201.55	964	213.05	96	226.05	645
192.00	2032	203.00	959	214.15	71	227.05	10073
193.10	2077	204.05	5982	215.00	395	228.05	1332
194.05	388	205.05	10163	216.10	833	229.05	2054

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.00	438	240.00	344	251.10	199	263.15	125
231.15	836	241.05	560	252.00	221	263.85	183
232.05	332	242.10	1297	253.00	496	264.95	2229
233.05	186	243.10	1296	255.10	96592	265.95	344

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234.05	661	244.10	20024	256.10	14389	267.05	17
235.05	818	245.10	2789	257.00	1185	267.90	223
236.05	374	246.00	3674	258.05	5570	269.05	3
237.10	901	247.00	782	259.00	1054	269.90	161
237.95	58	248.05	175	260.10	248	271.05	294
238.20	17	248.95	727	261.00	234	271.50	20
239.05	400	250.00	130	262.20	54	272.10	205

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	3183	284.05	319	292.00	162	303.95	461
274.00	8337	285.10	770	293.00	1002	305.10	78
275.10	43512	286.05	171	294.00	300	307.00	19
276.10	6022	287.05	11	295.10	165	307.90	68
277.00	3704	287.90	28	296.05	12455	308.10	81
278.00	620	288.70	20	297.05	1748	309.00	97
279.00	152	289.00	59	298.15	102	310.05	242
280.00	26	289.15	84	299.15	69	311.00	55
281.05	70	290.00	132	301.05	157	311.95	76
281.90	89	290.80	22	302.00	299	312.90	33
283.10	310	291.05	83	303.10	1667	313.00	38

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.15	89	322.20	114	332.95	330	344.20	17
314.05	739	323.10	4376	334.05	2883	346.05	895
315.00	1439	324.05	833	335.05	714	347.00	86
316.05	1002	325.10	21	335.80	43	348.00	19
317.00	144	325.90	40	336.05	77	350.00	40
318.00	18	327.00	963	339.00	116	350.95	83
319.10	23	328.00	329	340.05	65	351.20	47
319.70	19	328.90	66	341.05	541	352.05	1328
320.20	19	330.15	56	342.10	103	353.10	990
320.95	367	331.00	22	343.15	121	354.05	1391
322.00	92	332.05	356	343.95	46	355.05	284

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
356.05	37	366.75	54	379.90	20	391.80	45
357.70	23	367.10	25	380.30	24	392.05	151
358.10	32	369.20	25	383.00	717	397.00	27
359.05	147	370.10	169	383.95	134	400.95	186
360.00	32	371.00	439	384.20	58	402.05	922
361.00	26	372.00	2361	385.15	88	403.05	1293
362.80	23	373.10	579	386.00	22	404.00	609
363.70	43	373.90	26	386.80	24	405.00	60
364.00	74	374.15	44	389.10	19	407.70	18
365.00	6452	374.85	50	389.95	303	409.90	57
366.00	953	377.15	59	391.10	250	411.20	20

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

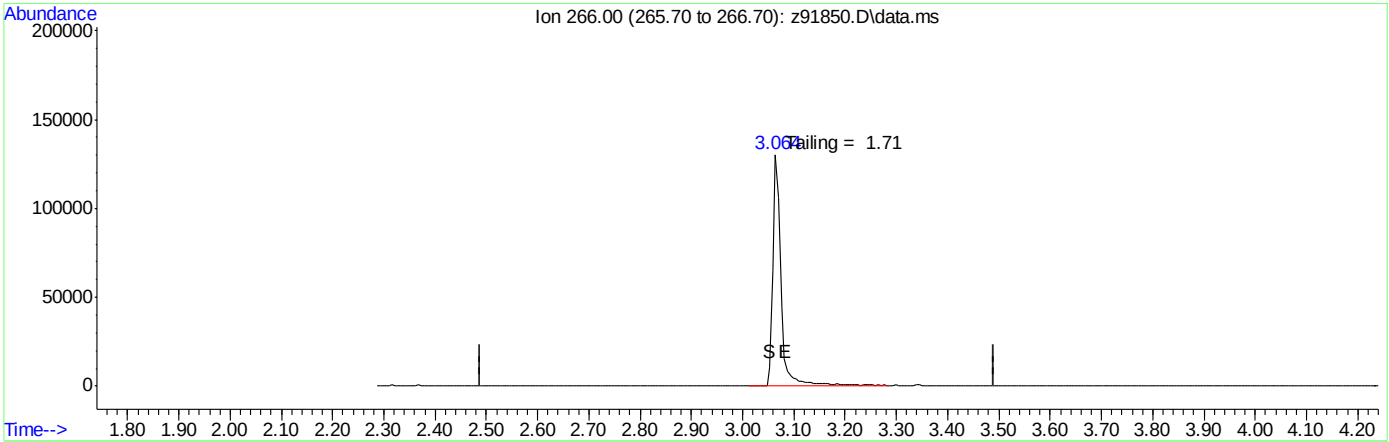
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
414.95	73	426.90	22	438.50	31	475.10	26
415.90	34	428.20	21	438.95	95	475.80	17
416.85	65	428.90	56	439.55	56	476.10	19
417.10	18	429.25	110	441.05	22306	489.10	20
421.00	1039	430.10	32	442.10	154616	492.00	18
422.10	1324	431.00	62	443.05	30040	492.20	41
423.05	8426	433.30	28	444.00	2921	495.80	25
424.10	1856	434.90	43	445.05	218	498.00	16
424.80	63	436.80	24	445.90	18		
425.00	122	437.20	25	447.10	27		
425.90	25	438.00	18	447.30	23		

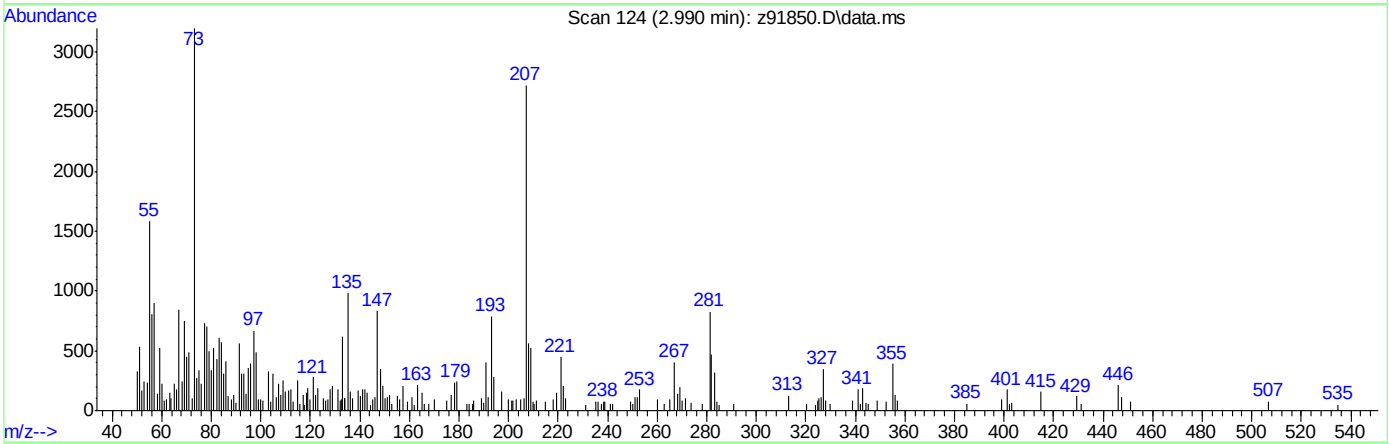
DFTPPZ.M Wed May 28 12:59:49 2014 RTE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

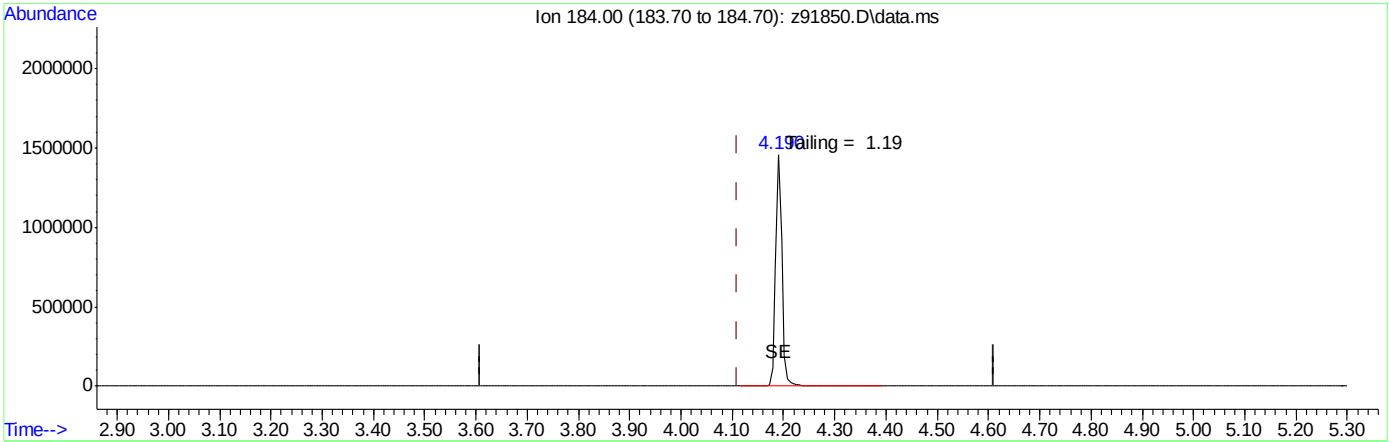
response 0

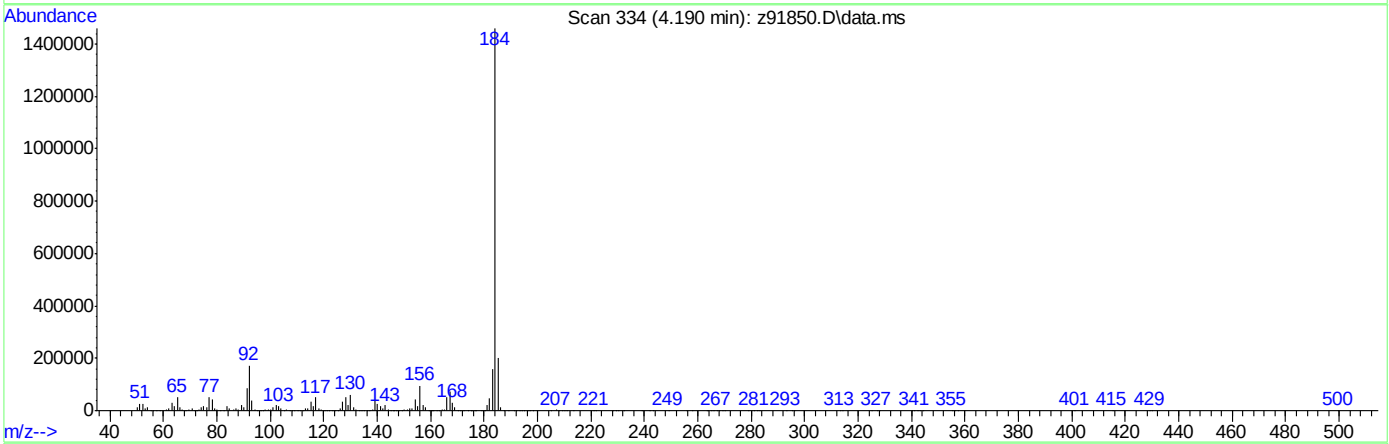
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

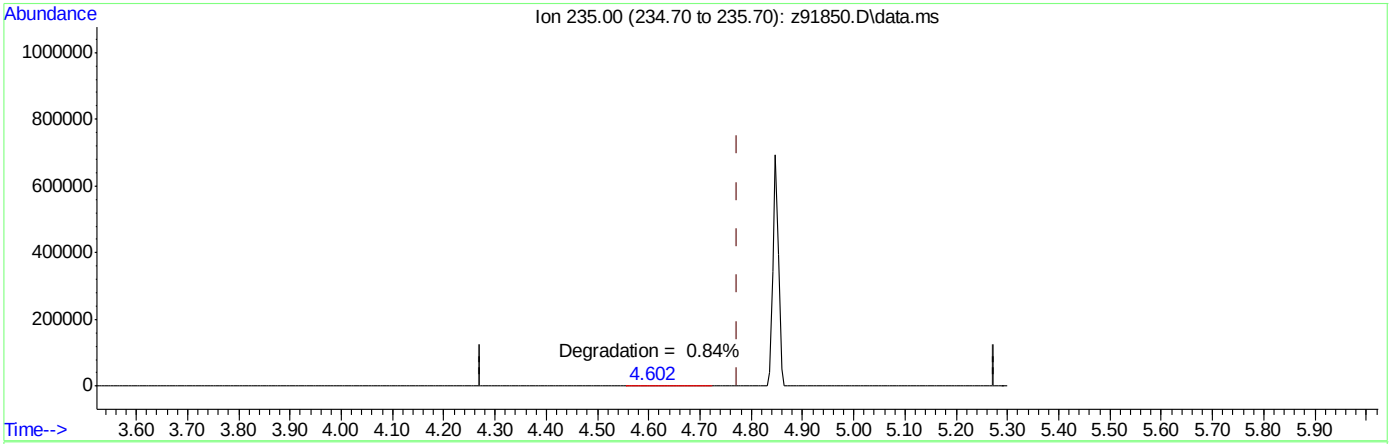
response 12115007

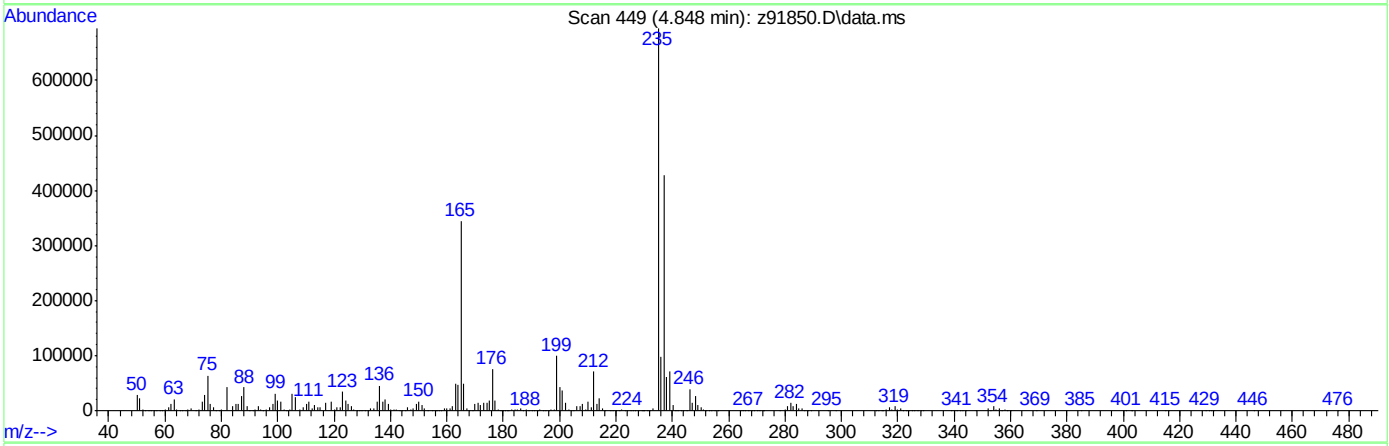
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

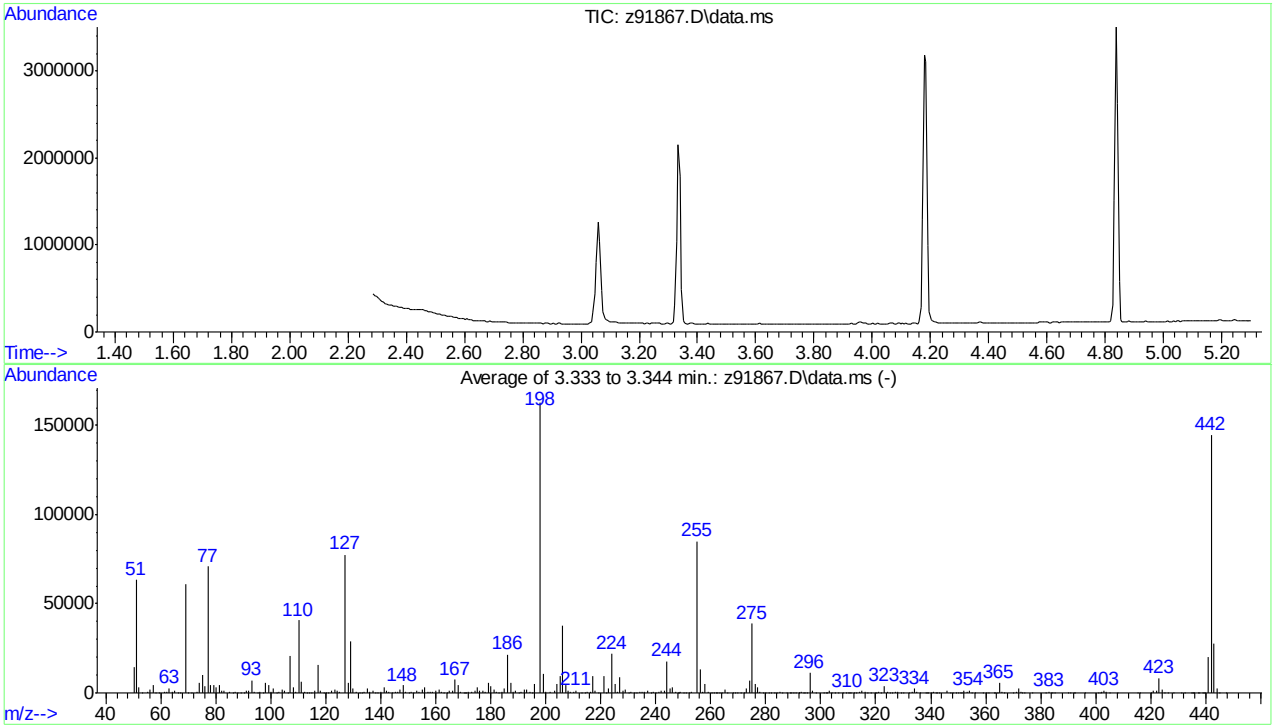
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

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239.05	359	249.05	642	261.00	216	272.00	172
240.00	258	250.00	137	262.00	28	273.10	2673
241.00	434	250.95	221	262.30	25	274.00	7126
242.05	1204	252.05	220	263.05	77	275.10	38849
243.10	1172	253.05	446	263.90	116	276.10	5114
244.10	17625	255.10	85146	265.00	1910	277.00	3216
245.10	2307	256.10	12927	265.90	140	278.00	586

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
279.05	160	290.00	103	301.00	171	311.00	66
280.00	19	291.05	113	302.00	231	312.10	36
281.05	186	292.00	105	302.20	19	313.00	138
282.00	230	292.20	85	303.10	1216	314.10	611
283.00	245	293.05	799	304.00	331	315.05	1257
284.05	290	293.80	30	305.10	27	316.10	812
285.10	707	294.10	176	306.20	17	317.15	97
286.05	185	295.00	296	308.05	146	318.10	23
287.80	17	296.00	11303	309.05	129	319.90	39
288.85	108	297.05	1450	309.95	159	320.10	29
289.10	49	298.05	106	310.50	23	321.05	355

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.00	234	334.10	2483	346.00	974	355.90	24
323.10	3983	335.05	539	347.05	185	359.10	163
324.10	732	336.10	107	348.10	16	360.00	18
325.05	61	338.20	18	349.30	17	361.20	40
326.00	128	338.40	17	349.90	37	363.00	21
327.00	788	339.05	130	350.80	29	363.60	20
328.05	410	340.00	48	351.15	63	364.10	51
329.00	46	341.05	417	352.00	1282	365.00	5511
329.95	43	342.00	79	353.05	813	366.00	761
332.10	331	342.30	23	354.05	1522	366.90	79
333.10	396	343.10	34	355.00	136	369.90	142

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.00	461	390.00	319	408.05	56	431.10	23
372.10	2341	390.95	275	415.10	18	432.30	25
373.00	440	391.95	117	416.20	25	434.60	20
373.20	116	392.20	28	420.10	20	435.20	22
374.05	60	396.10	21	421.00	1266	435.50	38
377.00	78	400.90	166	422.05	1155	435.70	34
381.70	17	401.90	328	423.05	8329	437.10	18
383.05	657	402.10	633	424.05	1798	437.80	22
384.00	169	403.05	1293	424.95	183	438.70	31
384.20	30	403.95	418	426.05	38	439.10	31
384.90	64	405.10	37	428.20	41	439.70	72

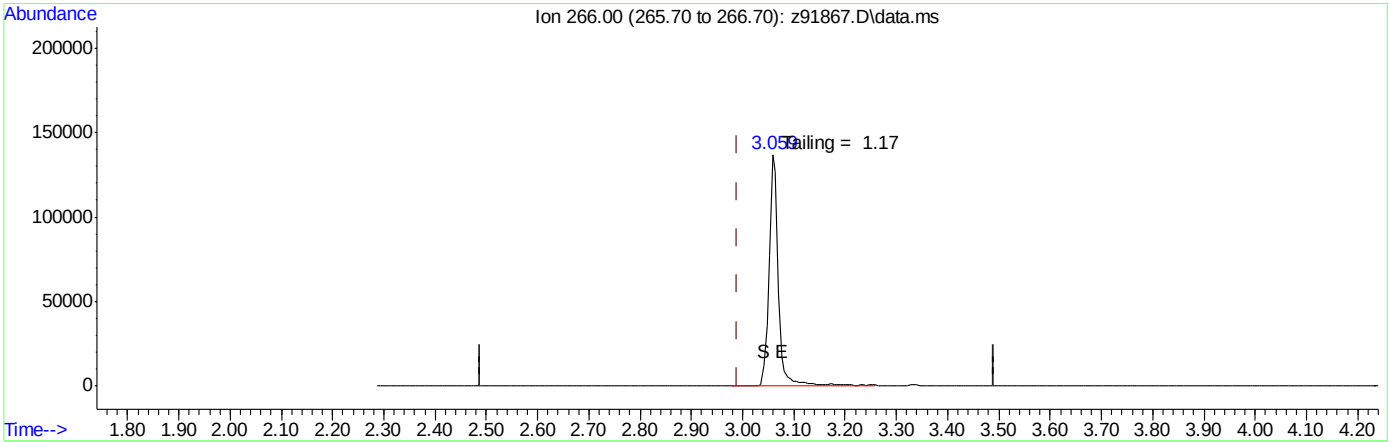
Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

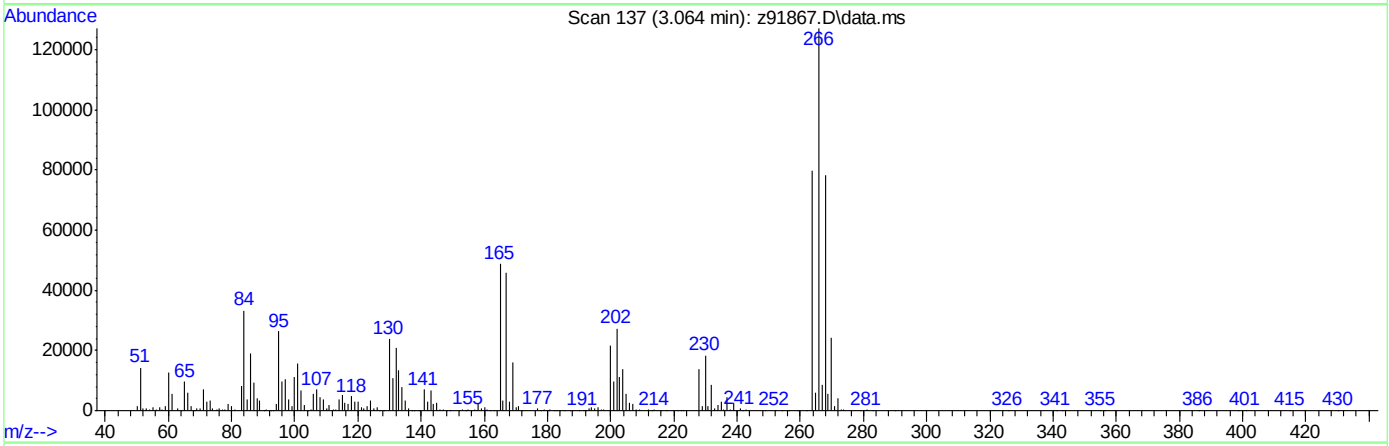
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	19870						
442.05	144794						
443.05	27528						
444.05	2356						
444.95	151						
447.30	20						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(1) Pentachlorophenol

3.063min (+0.073) 193.98

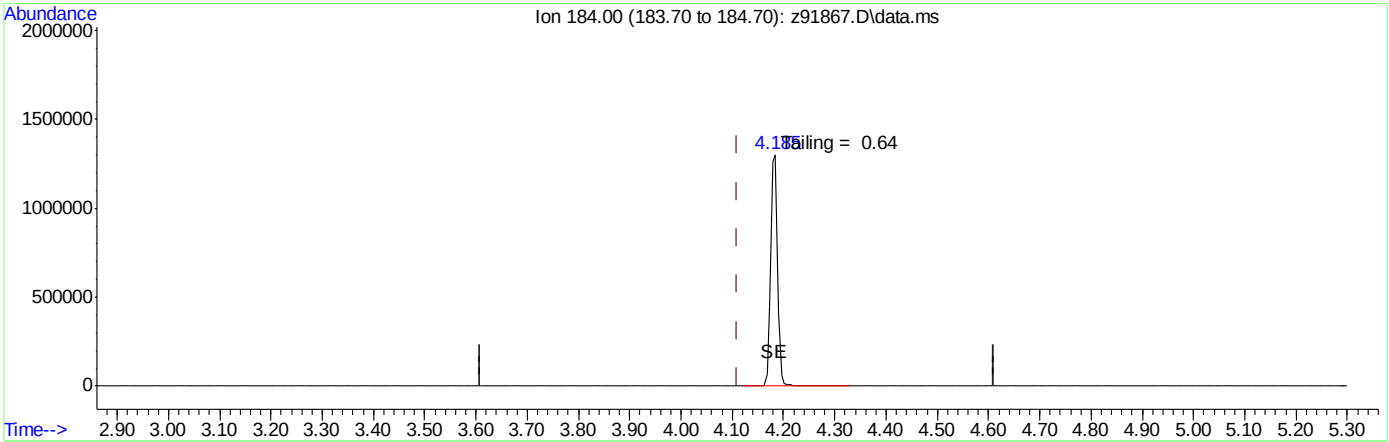
response 1682200

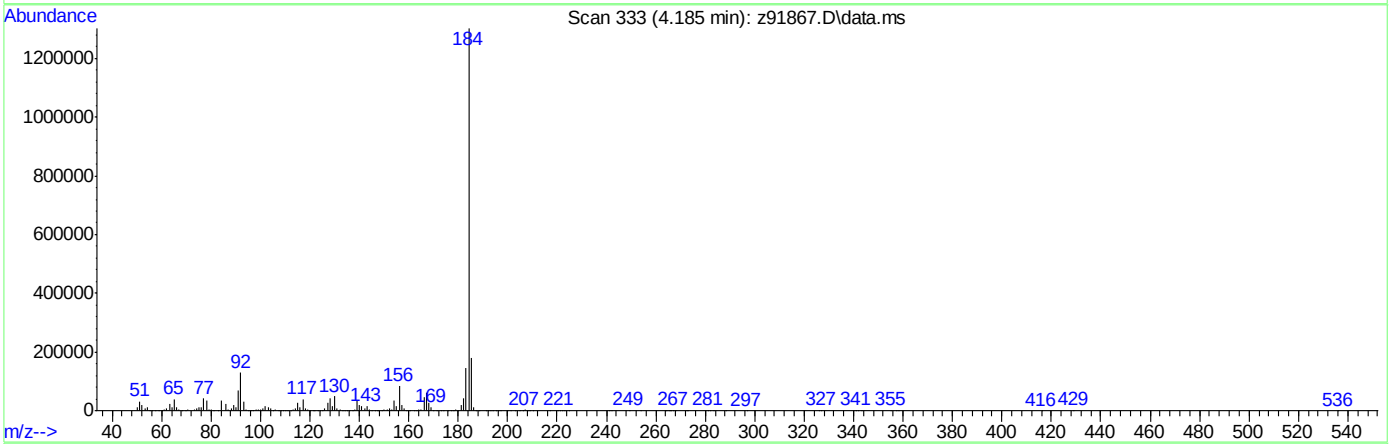
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

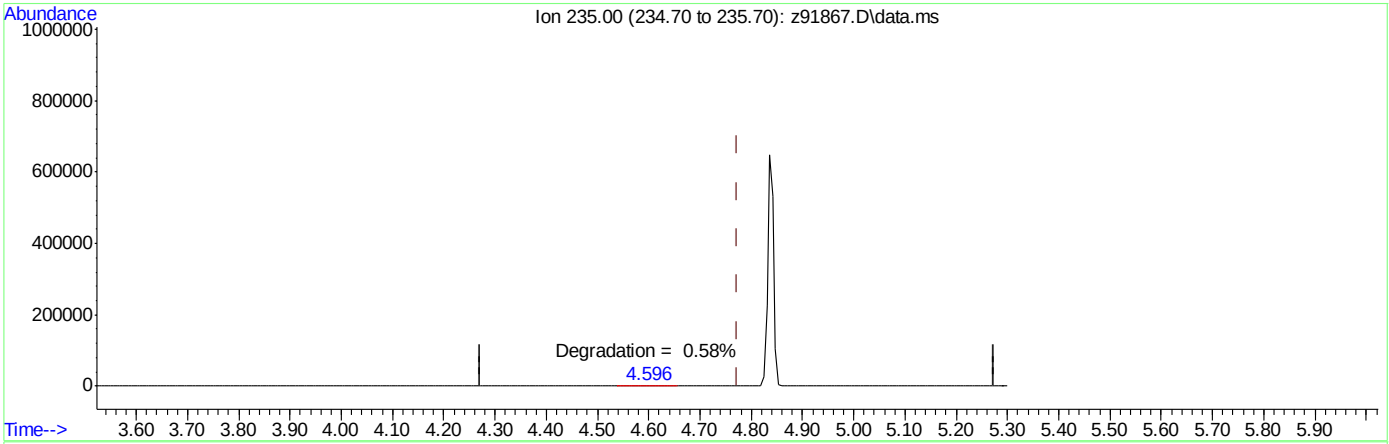
response 12307358

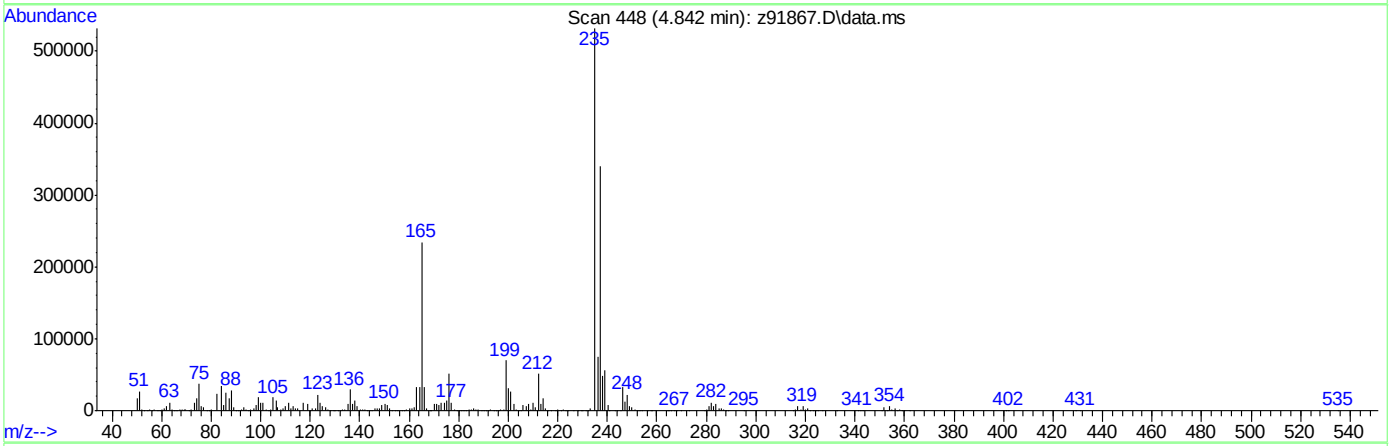
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

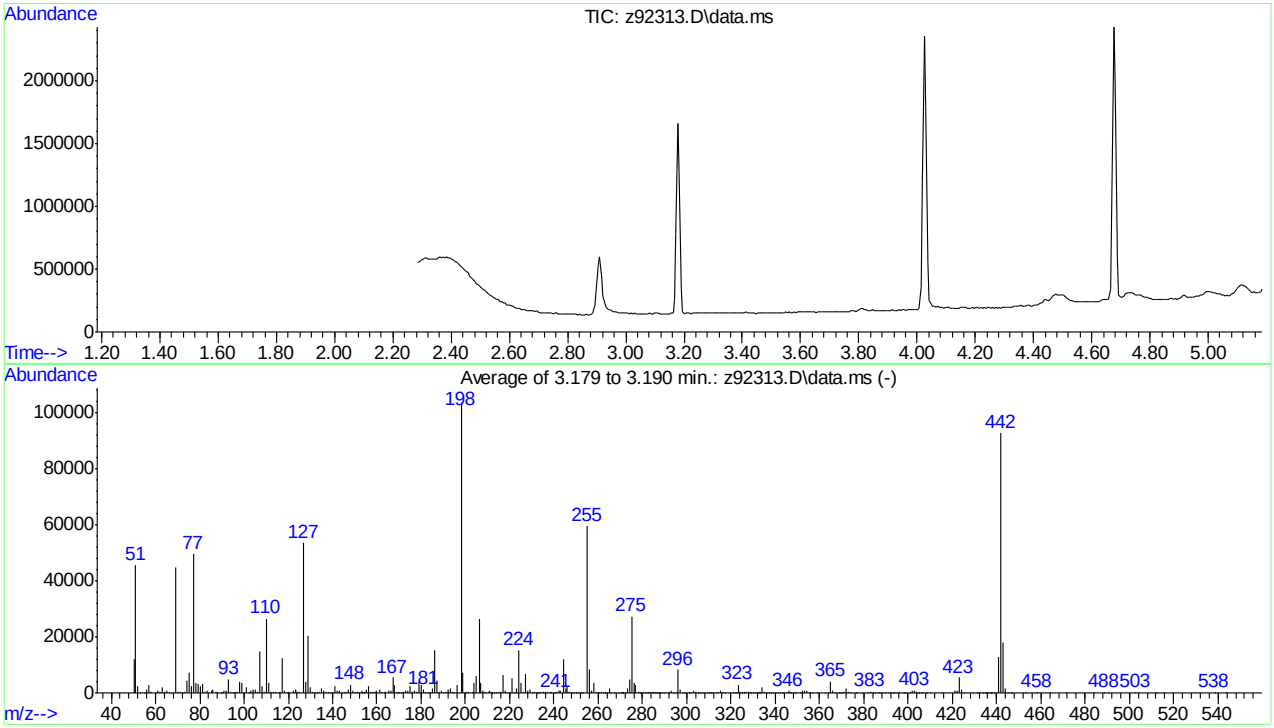
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92313.D
Acq On : 9 Jun 2014 10:12 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4590
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 157, 158, 159; 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	44.2	45771	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.1	44622	PASS
70	69	0.00	2	0.8	349	PASS
127	198	40	60	51.6	53407	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	103585	PASS
199	198	5	9	6.8	7081	PASS
275	198	10	30	26.3	27255	PASS
365	198	1	100	4.0	4096	PASS
441	443	0.01	100	72.1	12970	PASS
442	198	40	100	89.4	92608	PASS
443	442	17	23	19.4	17978	PASS

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	11882	63.05	1910	75.05	7322	87.10	613
51.10	45771	64.10	362	76.05	2482	88.00	195
52.10	2331	65.10	832	77.10	49505	89.10	132
53.10	135	66.05	183	78.10	3587	89.90	7
55.15	64	67.10	58	79.10	3131	90.20	20
56.10	1274	69.10	44622	80.05	2294	91.10	903
57.10	2709	70.10	349	81.10	3274	92.05	832
58.10	280	71.20	455	82.10	545	93.10	4975
60.10	27	72.10	18	83.10	648	94.10	225
61.10	731	73.10	538	85.10	832	95.10	121
62.05	561	74.10	4497	86.00	1392	96.10	462

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	258	108.05	2400	119.10	81	131.80	89
98.10	4114	109.10	434	120.05	233	133.05	117
99.10	3528	110.10	26575	122.10	828	134.05	553
100.00	193	111.10	3679	123.10	1377	135.05	1783
101.00	2007	112.15	464	124.00	587	136.05	766
102.00	91	113.10	224	125.05	601	137.10	546
103.05	702	114.10	230	127.05	53407	138.15	202
104.00	1114	115.05	4	128.05	4034	139.05	120
105.10	1164	116.10	603	129.05	20330	139.30	60
106.10	537	117.05	12247	130.05	2051	140.05	169
107.10	14966	118.10	697	131.10	277	141.05	2590

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.10	766	153.00	936	162.10	272	172.00	330
143.00	645	153.20	84	163.10	113	173.05	620
144.05	212	154.00	472	164.05	243	174.00	986
145.10	115	154.30	47	165.10	848	175.10	2308
146.00	564	155.10	1353	166.10	640	176.10	575
147.05	1056	156.10	2611	167.10	5510	177.05	860
148.00	2935	157.05	315	168.05	2845	178.00	431
149.05	680	158.00	427	169.00	287	179.00	3885
150.05	201	159.00	375	169.20	132	180.00	2863
151.10	444	159.95	744	170.00	154	181.10	1201
151.80	121	161.10	1033	171.10	192	182.10	351

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
183.10	114	194.10	288	207.05	3580	216.05	549
184.05	224	194.95	171	208.05	946	217.00	6407
185.05	1746	196.10	2949	209.00	401	218.05	795
186.10	15111	198.00	103585	210.15	517	219.10	33
187.10	4212	199.00	7081	210.95	979	220.20	188
188.10	427	200.05	561	211.20	17	221.05	5022
189.05	974	201.50	486	211.80	128	222.10	30
190.00	178	203.10	603	212.15	162	223.05	1621
191.10	398	204.00	3544	213.00	164	224.10	15201
192.10	1097	205.00	5982	214.15	43	225.10	3685
193.05	1523	206.10	26438	215.10	303	226.15	401

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.05	6797	236.05	303	246.95	386	256.10	8376
228.00	652	237.05	504	247.80	43	257.05	694
229.00	1411	238.05	85	248.00	112	258.00	3718
230.05	191	239.00	256	249.00	196	259.00	606

DFTPPZ.M Mon Jun 16 08:11:41 2014 RTE

231.05	523	240.10	212	249.80	63	260.00	30
232.00	122	241.05	348	250.15	83	260.20	35
232.90	56	242.10	906	251.00	140	261.10	127
233.15	14	243.00	835	252.10	37	262.20	38
234.00	434	244.10	11957	252.30	22	262.90	34
235.00	298	245.10	1532	253.05	210	263.10	54
235.20	52	246.00	2451	255.10	59556	263.95	146

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
264.95	1587	275.10	27255	284.15	157	291.90	67
265.85	112	276.05	3629	285.05	414	292.15	117
266.95	67	277.00	2645	285.30	52	293.05	621
269.25	90	278.05	347	285.90	39	294.00	173
270.05	93	278.80	38	286.20	20	295.10	78
270.80	17	279.05	11	287.10	49	296.05	8224
271.15	196	280.20	23	287.50	18	297.05	1168
271.40	18	281.10	53	287.90	32	298.10	67
272.10	122	282.10	60	288.90	90	299.00	43
273.00	1619	282.30	18	290.10	110	301.00	178
274.10	4677	283.10	373	291.20	78	301.20	20

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
302.00	172	311.00	56	323.10	2867	330.90	34
303.10	988	311.95	42	324.10	490	331.90	131
304.15	332	313.05	161	324.80	25	332.10	87
304.90	38	314.05	361	325.05	117	332.80	24
305.25	72	315.00	991	325.90	19	333.05	313
306.10	24	316.05	602	326.10	60	334.05	1855
307.00	76	317.05	124	326.95	570	335.00	481
308.00	176	319.10	21	328.00	269	335.95	91
309.05	85	321.00	190	328.20	33	337.10	29
310.05	175	322.00	150	329.00	34	337.90	16
310.60	20	322.30	21	330.10	46	339.00	105

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
340.00	78	351.30	42	365.95	711	377.05	46
341.00	192	352.05	829	367.15	84	379.10	24
342.10	24	353.05	671	368.70	16	381.40	24
343.00	35	354.05	828	369.10	20	383.00	469
343.50	25	355.05	64	369.80	19	384.05	102
345.10	61	356.00	27	370.05	171	385.10	22
346.05	724	357.00	78	370.95	317	386.60	24
346.80	21	359.00	62	372.10	1692	387.40	26
347.10	152	362.10	20	373.05	307	388.20	25
348.20	22	364.00	27	374.00	106	389.95	168
349.20	37	365.00	4096	376.30	20	391.00	152

Average of 3.179 to 3.190 min.: z92313.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
392.05	114	404.05	320	424.00	1043	437.50	20
393.20	31	404.70	30	425.05	71	438.00	17
393.70	22	405.00	66	429.00	20	439.00	63
395.00	19	405.90	18	431.00	19	441.00	12970
395.80	17	406.40	17	431.30	20	442.00	92608
398.00	34	408.30	28	432.30	17	443.00	17978
398.40	23	410.10	48	433.90	20	444.05	1588
398.90	17	415.05	107	434.90	21	445.10	126
401.05	96	421.00	653	435.40	27	446.40	22
402.00	684	422.00	775	436.50	21	446.80	34
403.00	886	423.00	5458	437.20	18	452.90	17

Average of 3.179 to 3.190 min.: z92313.D\data.ms

DFTPPZ.M Mon Jun 16 08:11:41 2014 RTE

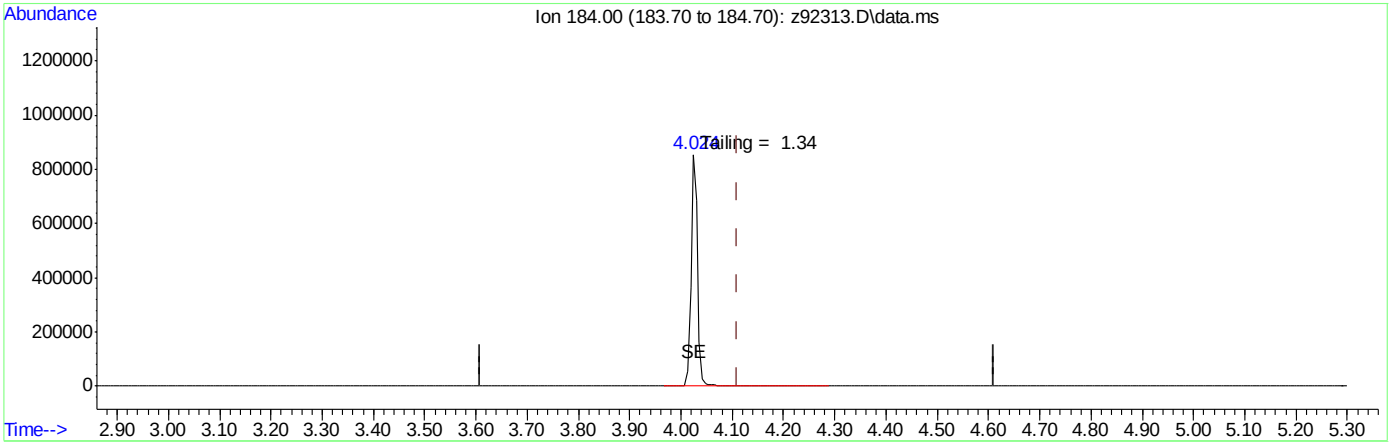
DFTPP
Modified:subtracted

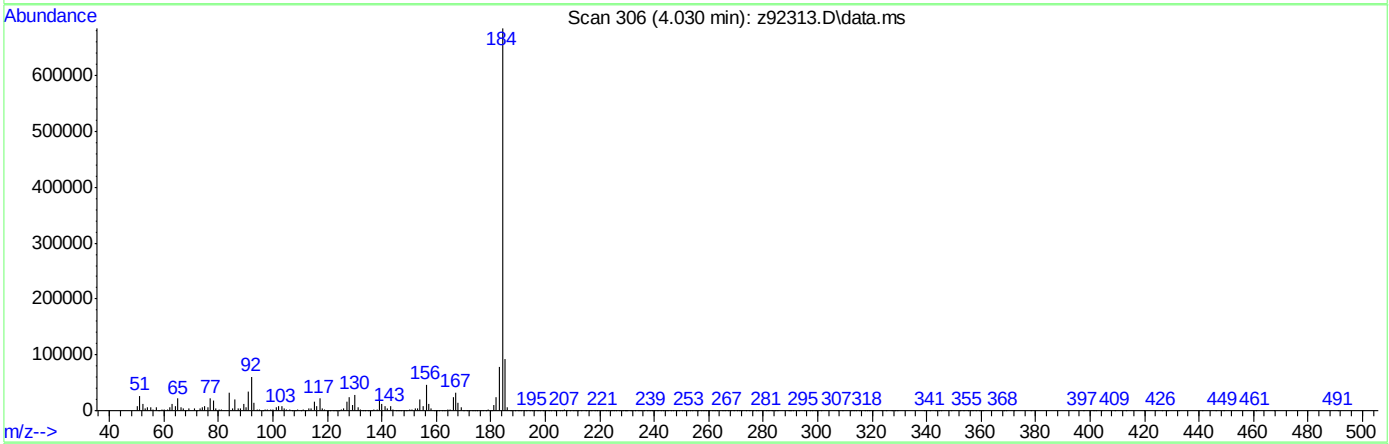
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
458.30	19						
464.40	18						
471.00	17						
484.10	18						
488.60	23						
490.40	22						
502.90	28						
512.50	23						
515.20	16						
538.40	16						
543.50	16						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92313.D
Acq On : 9 Jun 2014 10:12 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4590
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 22:17:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92313.D\data.ms

(2) Benzidine

4.028min (-0.082) 122.78

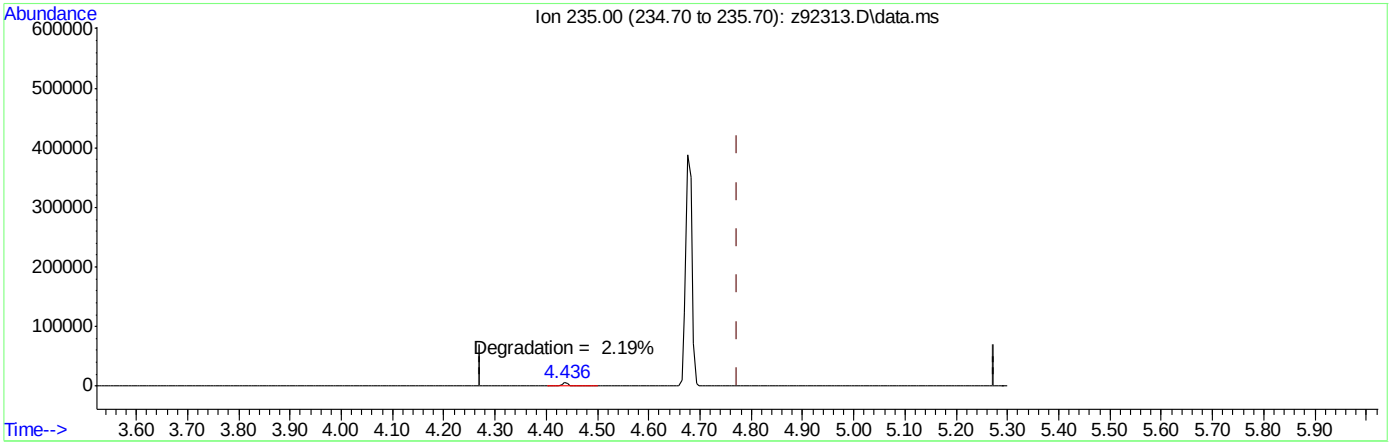
response 7458360

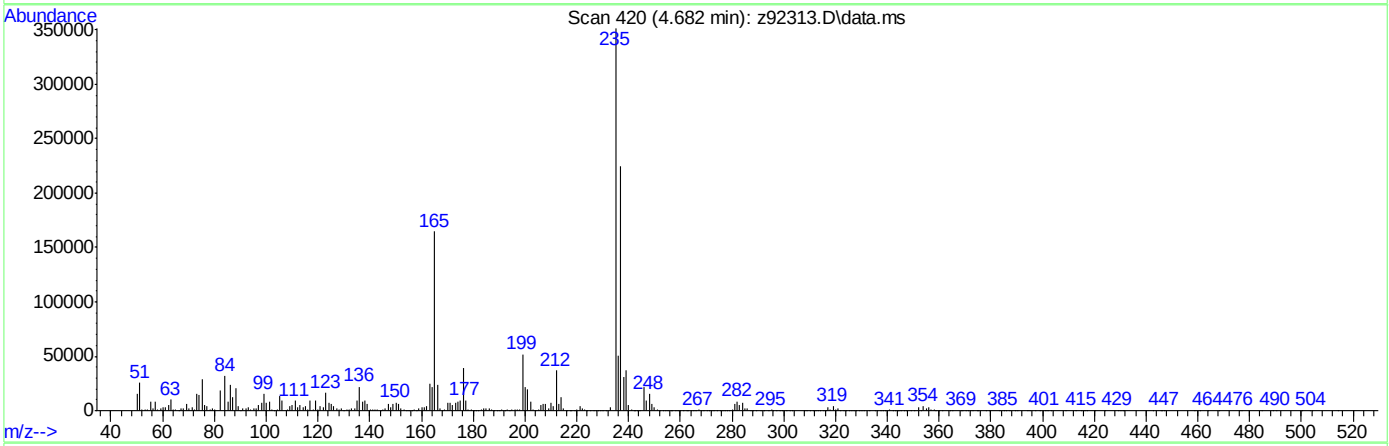
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92313.D
Acq On : 9 Jun 2014 10:12 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4590
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 22:17:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92313.D\data.ms

(3) PP-DDT

4.681min (-0.093) 130.01

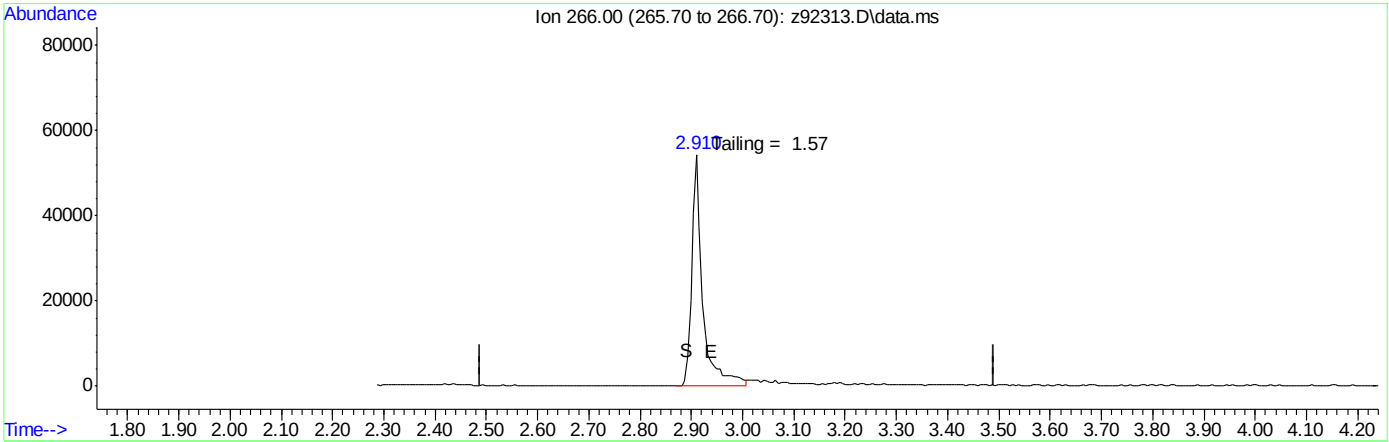
response 3249608

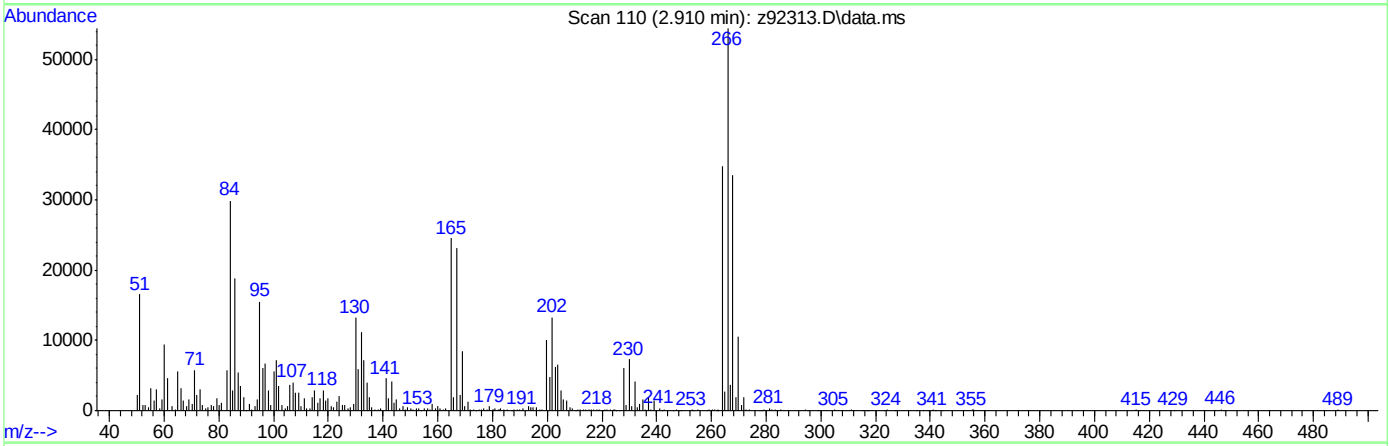
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92313.D
Acq On : 9 Jun 2014 10:12 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4590
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 22:17:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92313.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

response 0

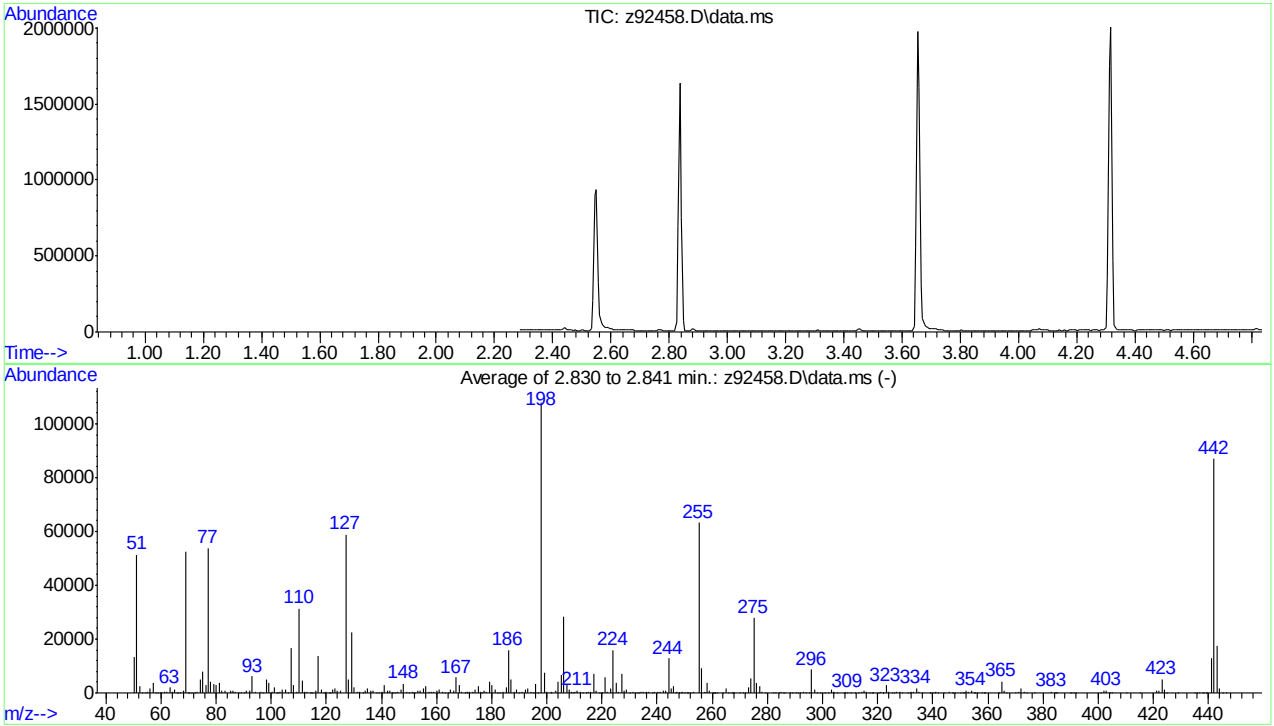
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\msdchem\1\METHODS\dftppz.m
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 96, 97, 98; Background Corrected with Scan 91

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.6	51376	PASS
68	69	0.00	2	1.3	671	PASS
69	198	0.00	100	48.7	52578	PASS
70	69	0.00	2	0.2	109	PASS
127	198	40	60	54.6	58901	PASS
197	198	0.00	1	0.1	151	PASS
198	198	100	100	100.0	107882	PASS
199	198	5	9	7.1	7628	PASS
275	198	10	30	25.7	27738	PASS
365	198	1	100	4.0	4324	PASS
441	443	0.01	100	73.6	12773	PASS
442	198	40	100	80.5	86880	PASS
443	442	17	23	20.0	17343	PASS

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	13307	60.10	25	69.90	109	80.10	2966
51.10	51376	61.05	566	70.10	101	81.05	3906
52.10	2632	62.05	612	71.05	67	82.10	895
53.10	64	63.10	1896	72.10	56	83.10	914
54.15	16	64.10	273	73.10	319	85.10	737
55.05	231	65.05	1079	74.10	4836	86.00	781
56.10	1601	65.90	36	75.10	8003	87.00	500
57.10	3666	66.15	50	76.15	2803	87.95	98
58.00	170	66.95	85	77.05	53763	89.10	54
58.90	51	68.10	671	78.05	4000	90.00	16
59.80	17	69.05	52578	79.10	3449	91.10	954

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1055	103.05	577	114.10	39	123.05	1831
93.10	6220	104.10	1386	114.40	51	124.00	873
94.05	570	105.00	1174	114.95	112	125.05	668
96.10	253	106.10	75	116.10	959	127.10	58901
97.15	78	107.10	16657	117.10	13582	128.10	4827
98.10	4926	108.10	2773	118.05	1069	129.05	22580
99.10	3941	109.10	479	119.15	191	130.05	1911
100.15	332	110.10	31421	120.00	225	131.05	400
101.10	2229	111.10	4730	121.00	38	132.05	285
101.90	44	112.10	621	121.30	66	133.10	117
102.15	139	113.05	290	122.10	1188	134.00	680

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.05	1722	145.05	207	155.05	1602	166.05	795
136.10	781	146.00	483	156.10	2388	167.05	5813
137.05	961	147.05	1370	157.05	434	168.05	2954
138.00	203	148.05	3375	158.05	508	169.05	475
139.05	58	149.05	579	159.00	479	170.05	180
140.00	350	150.05	167	160.00	905	170.90	35
141.00	2749	151.00	347	161.05	1129	171.15	227
142.00	965	151.70	162	162.00	390	172.05	483
143.05	716	152.10	222	163.10	223	172.95	586
143.90	35	153.05	986	164.10	149	174.00	1200
144.10	148	154.10	653	165.05	1064	175.10	2391

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	529	186.10	16045	196.80	151	208.05	1066
176.30	135	187.10	4832	198.00	107882	209.00	321
177.00	795	188.10	615	199.00	7628	209.20	106
178.05	379	189.05	1084	200.00	569	210.05	388
179.00	4129	189.95	184	201.40	210	211.05	1021
180.05	2873	191.05	491	201.65	404	212.05	257
181.10	1338	192.05	1371	203.00	846	213.05	108
182.00	131	193.05	1476	204.10	4061	214.05	48
183.05	90	194.10	377	205.10	6585	215.10	346
184.00	351	194.95	128	206.10	28458	216.00	590
185.10	2096	196.05	3265	207.10	3479	217.05	7080

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.00	992	228.00	922	237.05	497	247.05	408
219.05	198	229.00	1428	238.10	77	247.80	63
219.70	25	229.90	164	239.00	277	248.10	88
220.00	61	231.10	615	240.05	265	248.90	38

dftppz.m Thu Jun 12 22:25:36 2014 RTE

221.10	5859	232.00	138	241.05	383	249.05	358
221.80	307	233.05	149	242.05	878	249.95	86
223.05	1742	233.30	65	243.00	819	250.90	105
224.10	15982	234.00	376	244.10	12837	251.20	43
225.10	3824	235.05	450	245.10	1491	252.00	115
226.05	495	235.80	32	246.05	2536	253.05	261
227.05	7246	236.00	252	246.80	104	255.10	63301

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.05	9236	265.85	90	277.05	2649	290.15	100
257.10	627	266.90	46	278.00	365	291.05	90
258.00	3857	267.40	18	279.05	121	292.00	142
259.00	678	267.80	28	281.90	102	293.00	635
260.00	134	269.90	151	283.05	209	293.90	65
260.60	26	270.95	158	284.00	189	295.00	55
260.80	52	272.10	154	285.05	532	296.00	8584
261.15	67	273.05	2151	285.95	95	297.05	1275
261.90	17	274.00	5451	286.30	20	298.05	97
263.95	153	275.10	27738	288.00	25	299.00	17
265.00	1474	276.10	3953	288.95	102	300.95	125

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
302.05	129	314.05	424	324.05	516	335.05	570
303.05	1084	315.00	992	325.20	21	336.10	36
304.00	28	316.05	511	326.20	47	338.90	22
304.15	277	317.05	100	326.95	540	339.15	55
305.20	22	318.00	46	328.00	307	340.05	53
307.90	103	318.50	17	329.05	45	340.80	57
308.10	64	320.20	17	331.00	24	341.05	337
309.10	150	321.00	260	331.90	34	342.00	67
310.05	93	321.90	35	332.10	248	343.80	30
311.80	18	322.10	62	333.00	282	346.00	603
313.20	35	323.10	2803	334.05	1868	347.00	61

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
347.20	44	357.90	18	373.10	385	400.85	122
348.00	17	358.40	20	374.05	131	402.05	763
350.10	17	359.05	102	377.00	17	403.05	909
350.90	23	363.70	24	383.05	460	404.00	169
351.10	17	363.90	18	384.10	87	404.20	90
352.00	968	365.00	4324	384.70	17	405.00	34
353.05	610	366.00	650	385.00	30	410.10	51
354.10	1003	366.80	54	389.80	19	415.00	46
355.00	102	370.05	73	390.10	176	421.05	754
355.30	47	371.10	237	391.10	185	422.05	645
356.20	18	372.10	1489	392.05	83	423.05	5201

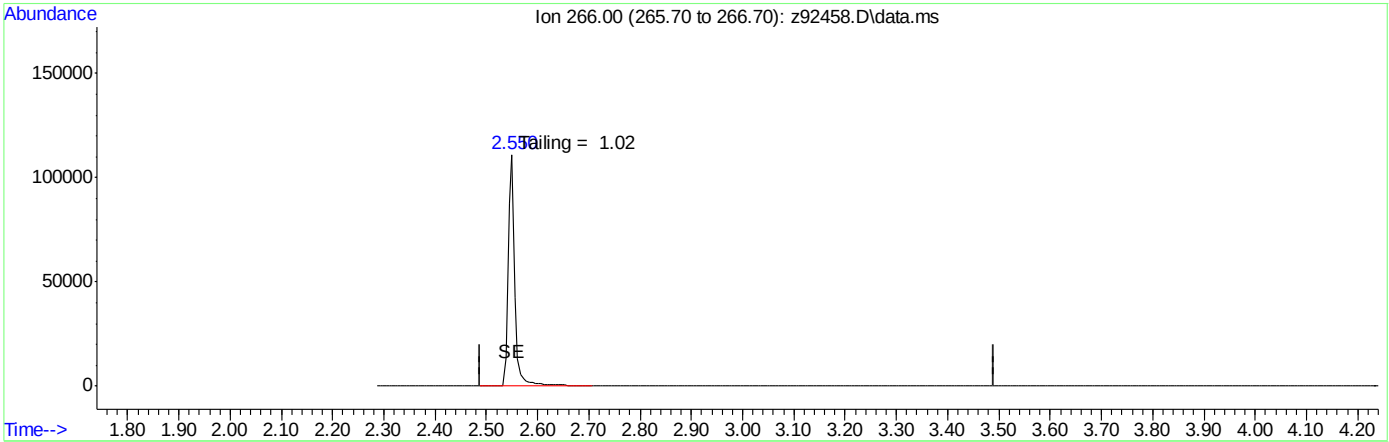
Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

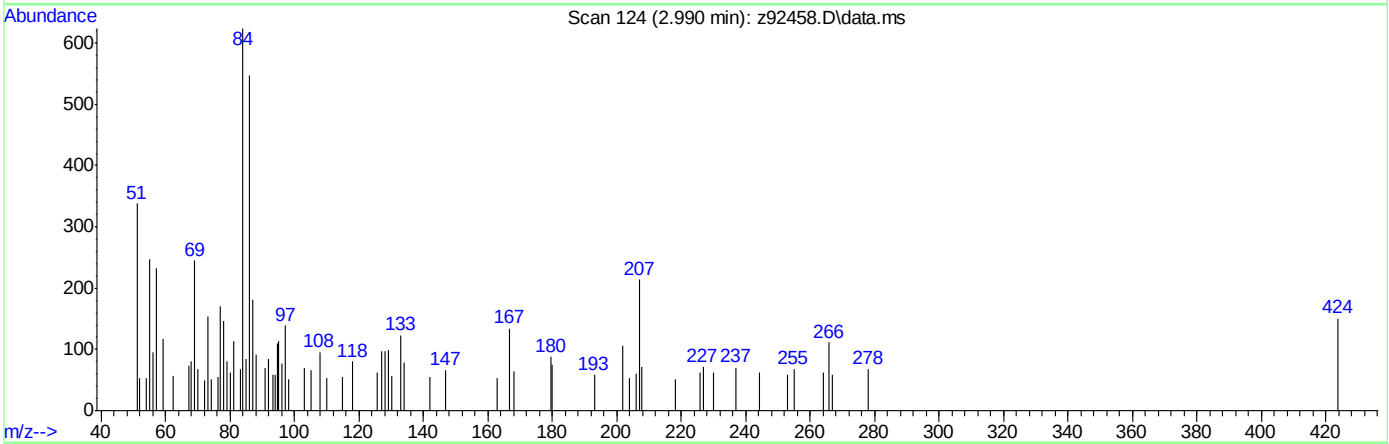
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.05	1203	442.10	86880				
425.05	83	443.10	17343				
428.90	22	444.10	1497				
435.20	29	445.05	115				
435.80	22	446.25	75				
436.50	22						
437.80	24						
438.30	21						
439.25	59						
439.70	26						
441.05	12773						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92458.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

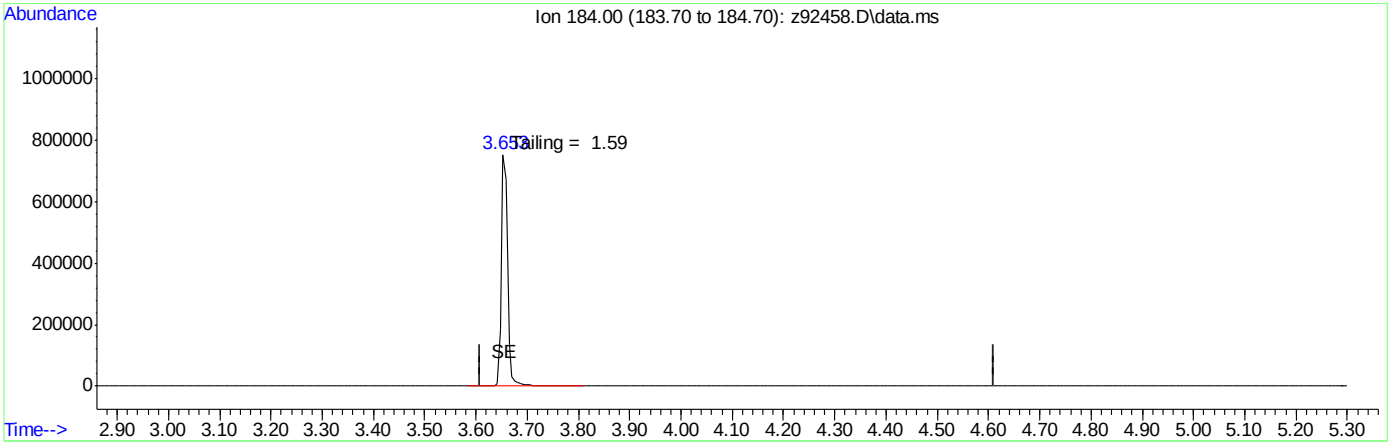
response 0

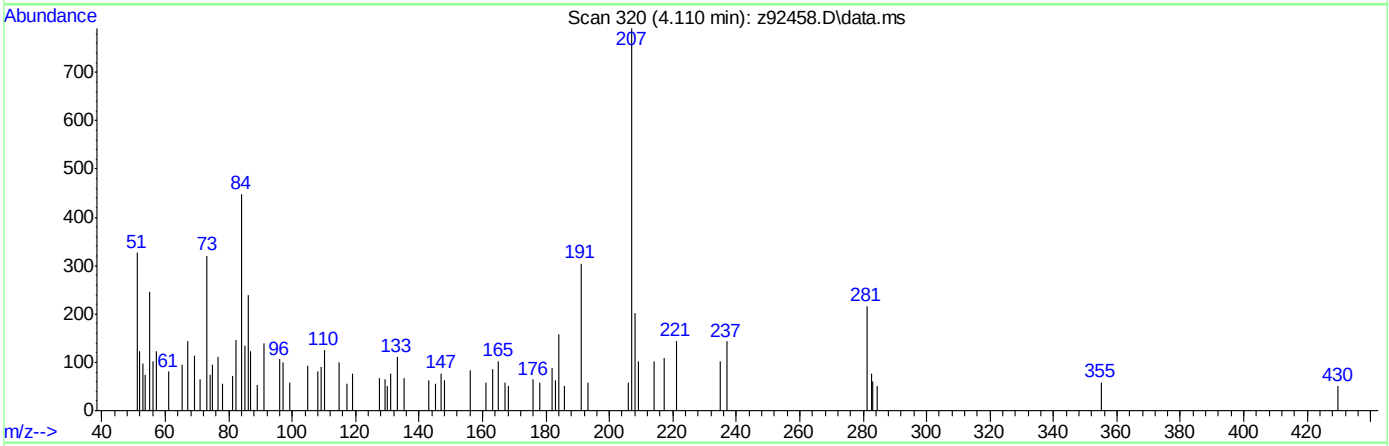
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92458.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

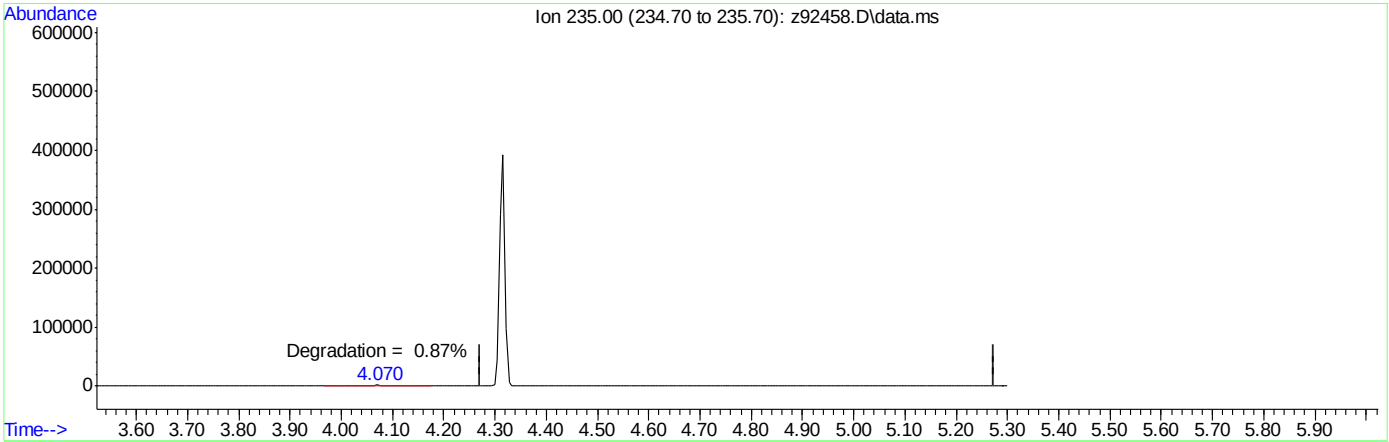
response 0

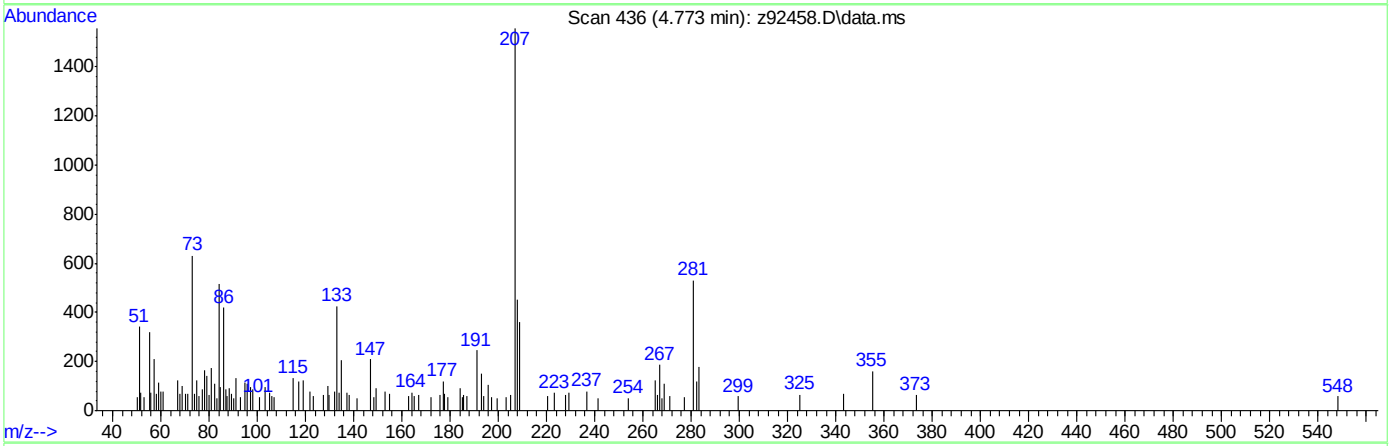
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 2014
Quant Method : C:\msdchem\1\METHODS\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z92458.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

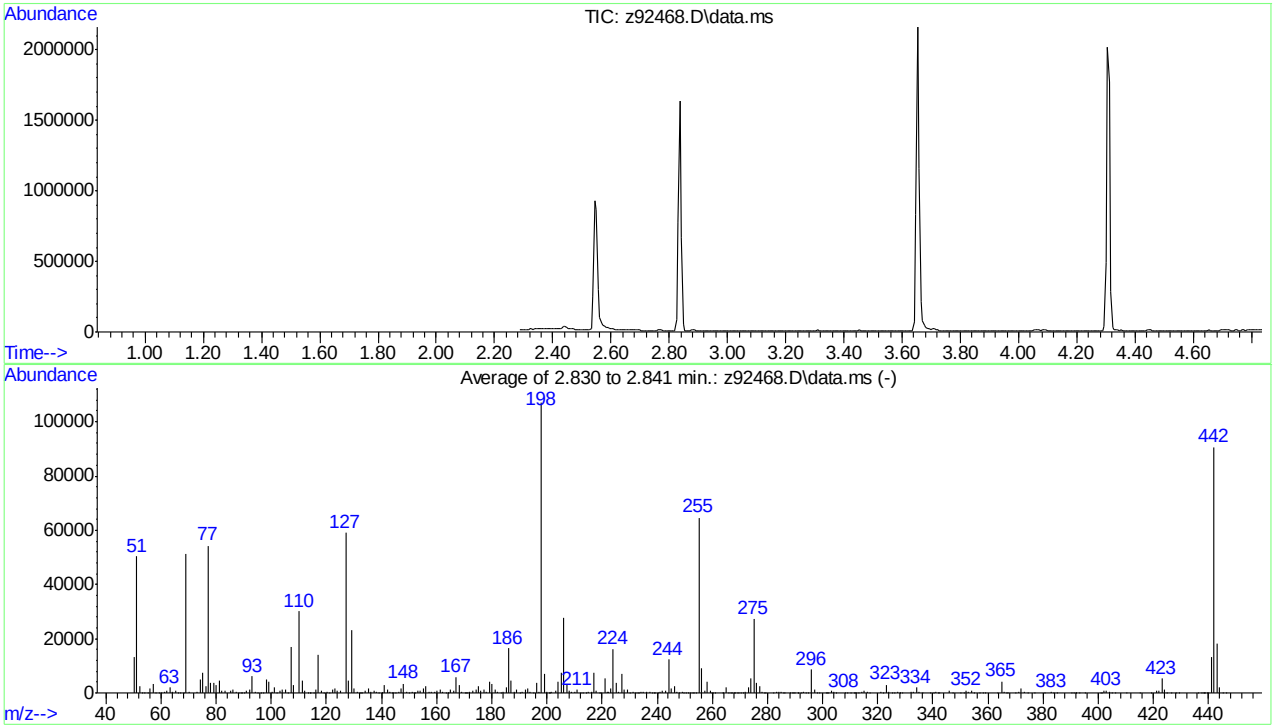
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92468.D
Acq On : 12 Jun 2014 10:20 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4597,
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 96, 97, 98; Background Corrected with Scan 91

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.9	50275	PASS
68	69	0.00	2	0.2	111	PASS
69	198	0.00	100	48.1	51462	PASS
70	69	0.00	2	0.4	221	PASS
127	198	40	60	55.2	59074	PASS
197	198	0.00	1	0.2	252	PASS
198	198	100	100	100.0	107096	PASS
199	198	5	9	6.7	7155	PASS
275	198	10	30	25.3	27128	PASS
365	198	1	100	4.0	4292	PASS
441	443	0.01	100	73.0	13178	PASS
442	198	40	100	84.7	90714	PASS
443	442	17	23	19.9	18053	PASS

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	13182	61.10	562	74.05	4847	86.10	1076
51.10	50275	62.10	878	75.05	7588	87.15	517
52.10	2476	63.10	2007	76.10	2681	88.00	176
53.15	91	64.10	287	77.05	54314	89.00	28
54.10	37	65.15	1005	78.10	3553	89.20	63
55.10	158	66.05	108	79.10	3669	90.20	31
56.10	1525	67.10	60	80.10	2822	91.05	913
57.10	3220	68.00	111	81.10	4356	92.05	1100
58.10	146	69.10	51462	82.10	883	93.10	6058
59.10	59	70.10	221	83.10	1025	94.05	507
60.00	81	73.05	342	85.10	655	95.05	118

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	121	107.10	17029	118.00	902	130.10	1802
97.15	88	108.10	2732	119.10	123	131.10	530
98.10	4809	110.10	30014	120.10	255	132.05	197
99.10	4195	111.10	4531	121.00	35	132.40	25
100.10	391	112.10	687	122.10	1115	133.00	60
101.10	2152	113.10	206	123.10	1776	134.05	689
102.10	135	114.00	59	124.05	814	135.10	1834
103.05	642	114.30	55	125.05	709	136.05	613
104.05	1354	115.30	104	127.10	59074	137.10	939
105.10	1264	116.10	1136	128.05	4755	138.00	253
106.00	156	117.10	14119	129.10	23287	139.10	51

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.95	157	149.00	603	159.10	461	169.05	402
140.20	130	150.05	191	160.05	869	170.15	185
141.00	2775	151.00	403	161.10	1306	170.80	8
142.10	1164	151.85	159	162.05	432	171.05	127
142.95	538	152.10	102	163.15	102	172.05	514
143.90	57	153.00	773	164.00	66	173.10	647
144.05	138	154.05	682	164.30	84	174.10	1101
145.10	157	155.00	1461	165.00	1120	175.10	2293
146.05	430	156.10	2551	166.10	850	176.05	678
147.05	1526	157.05	430	167.05	5829	177.00	1121
148.05	3441	158.00	580	168.05	2875	178.00	236

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
179.05	4190	190.10	166	200.85	130	211.05	1183
180.05	3137	191.10	366	201.20	29	212.05	100
181.10	1288	192.05	1306	201.65	465	213.10	71
182.10	243	193.05	1479	203.05	755	214.05	76
183.10	155	194.00	340	204.10	4068	215.05	349
184.05	367	195.00	205	205.10	7250	216.00	595
185.10	2042	196.10	3680	206.10	27581	217.00	7426
186.10	16437	196.90	252	207.10	3426	218.00	855
187.10	4538	198.00	107096	208.05	987	218.90	98
188.05	485	199.05	7155	209.00	356	219.60	56
189.10	1074	200.05	568	210.15	477	221.10	5469

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.80	268	231.95	124	241.05	312	251.15	136
222.10	241	233.00	61	242.00	846	252.00	143
223.00	1684	233.20	45	243.10	934	252.80	53
224.10	16155	234.00	491	244.10	12296	253.05	169

DFTPPZ.M Mon Jun 16 08:20:21 2014 RTE

225.10	3849	235.00	586	245.10	1778	253.90	96
226.10	516	236.00	375	246.10	2481	255.10	64570
227.00	7244	237.15	553	247.05	588	256.10	9141
228.10	1076	237.95	104	248.05	87	257.10	813
229.05	1429	238.90	32	249.00	438	258.05	4129
230.00	212	239.05	198	249.70	20	259.10	747
231.10	634	240.10	219	250.15	72	259.90	39

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.05	129	269.60	46	279.20	19	290.90	48
260.90	103	270.15	84	282.05	95	291.20	28
263.80	32	270.95	114	283.10	325	292.15	173
263.90	50	271.95	224	284.10	225	293.05	543
265.05	1952	273.00	1932	285.05	439	294.00	148
265.95	186	274.10	5311	285.90	17	294.80	44
266.80	18	275.10	27128	286.15	60	296.05	8567
267.10	42	276.05	3636	288.20	65	297.05	1172
267.75	19	277.00	2514	288.90	34	298.00	118
268.10	49	278.00	419	289.20	70	298.90	38
269.20	24	278.95	81	289.95	97	301.00	140

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
301.75	59	313.00	139	327.05	510	341.05	338
302.10	103	314.10	468	328.00	170	341.90	55
303.05	1007	315.05	1003	328.20	81	342.10	66
304.10	257	316.05	594	329.00	19	346.00	779
304.95	42	317.10	108	332.05	277	347.05	99
308.05	117	320.95	357	333.05	360	349.90	22
309.00	81	322.10	196	334.10	1880	351.05	82
310.05	88	323.05	3018	335.10	461	352.05	919
311.20	18	324.05	488	336.00	52	353.00	624
311.90	17	325.05	74	338.90	18	354.10	949
312.30	18	325.95	64	340.20	32	355.00	150

Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
357.10	20	373.05	427	393.00	19	419.00	20
358.20	20	374.20	28	395.00	41	421.05	696
359.00	43	377.00	21	400.85	102	422.00	789
363.60	20	380.40	19	401.30	17	423.10	5356
365.00	4292	383.00	396	402.00	705	424.10	1208
366.00	634	383.90	90	403.00	887	425.00	144
366.70	22	385.05	66	403.95	268	426.30	18
366.95	73	390.05	201	404.95	61	428.00	25
370.00	65	391.00	171	406.20	16	429.10	18
370.95	226	391.80	64	410.10	22	436.10	18
372.10	1665	392.00	36	415.00	42	437.50	20

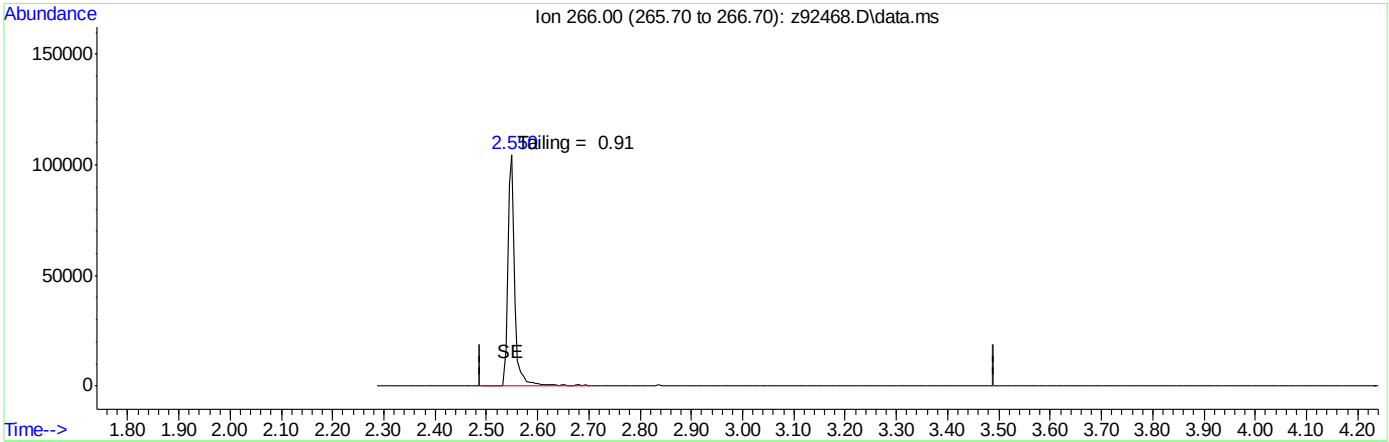
Average of 2.830 to 2.841 min.: z92468.D\data.ms
DFTPP
Modified:subtracted

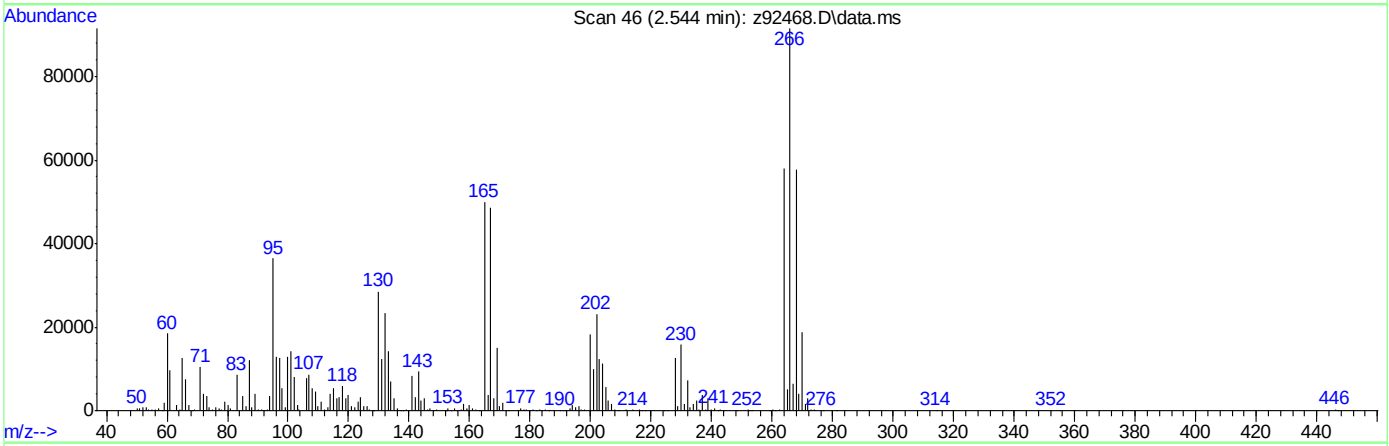
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
438.10	27						
438.40	24						
438.70	49						
439.30	53						
439.80	26						
441.10	13178						
442.10	90714						
443.10	18053						
444.10	2004						
445.00	100						
446.20	42						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92468.D
Acq On : 12 Jun 2014 10:20 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4597,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:26:14 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: z92468.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

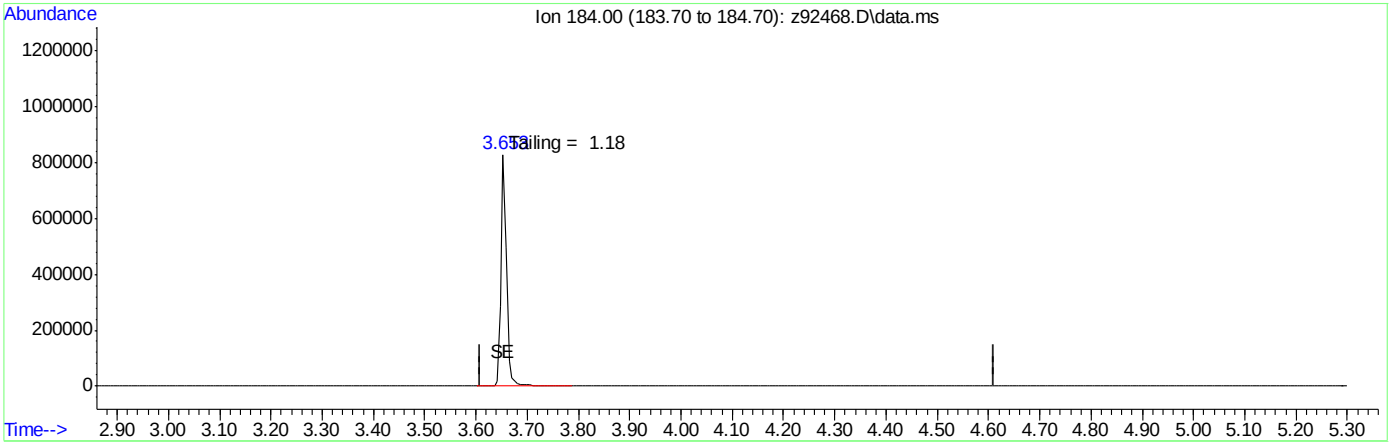
response 0

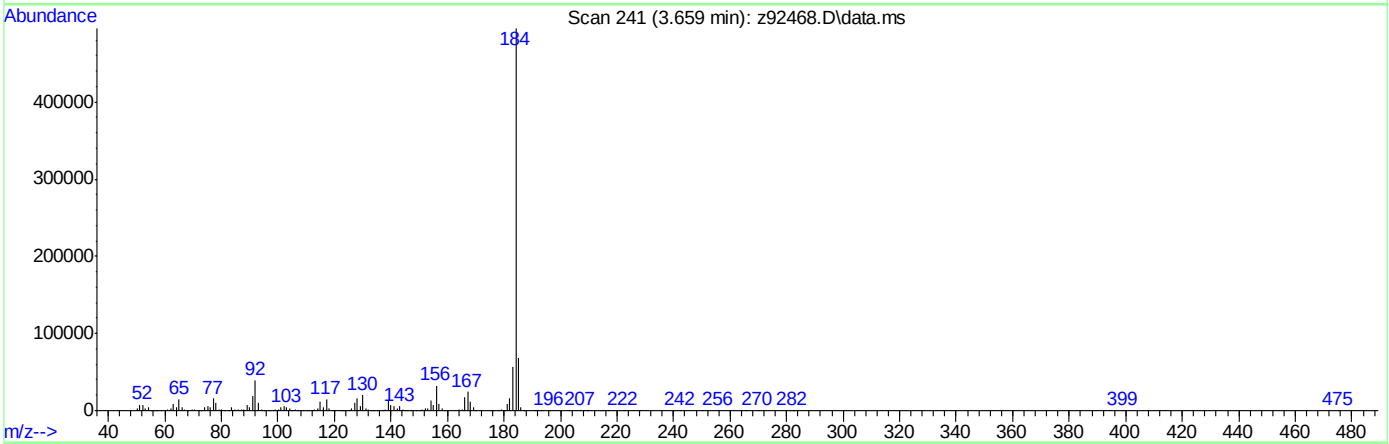
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92468.D
Acq On : 12 Jun 2014 10:20 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4597,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:26:14 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: z92468.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

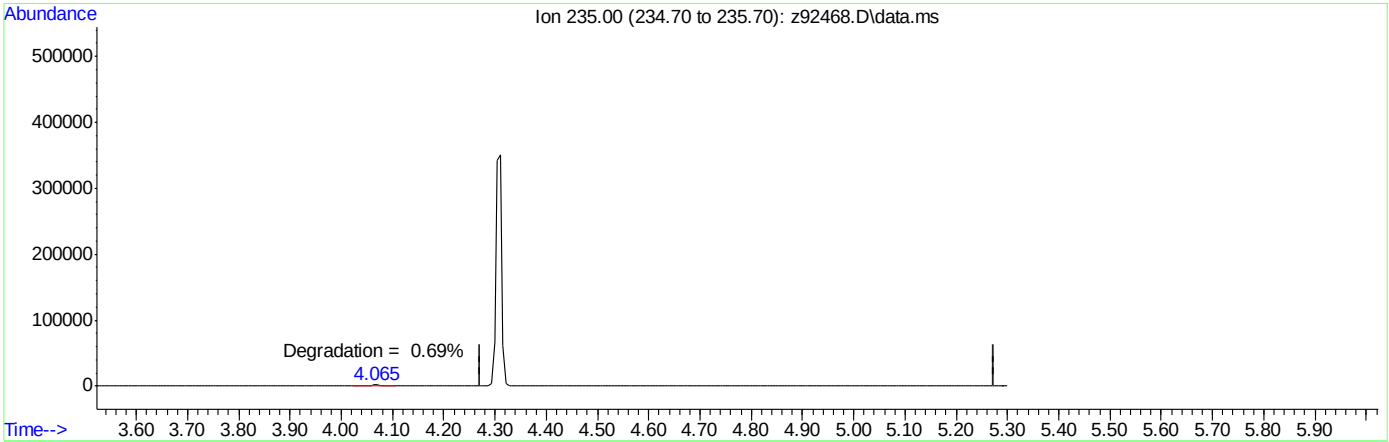
response 0

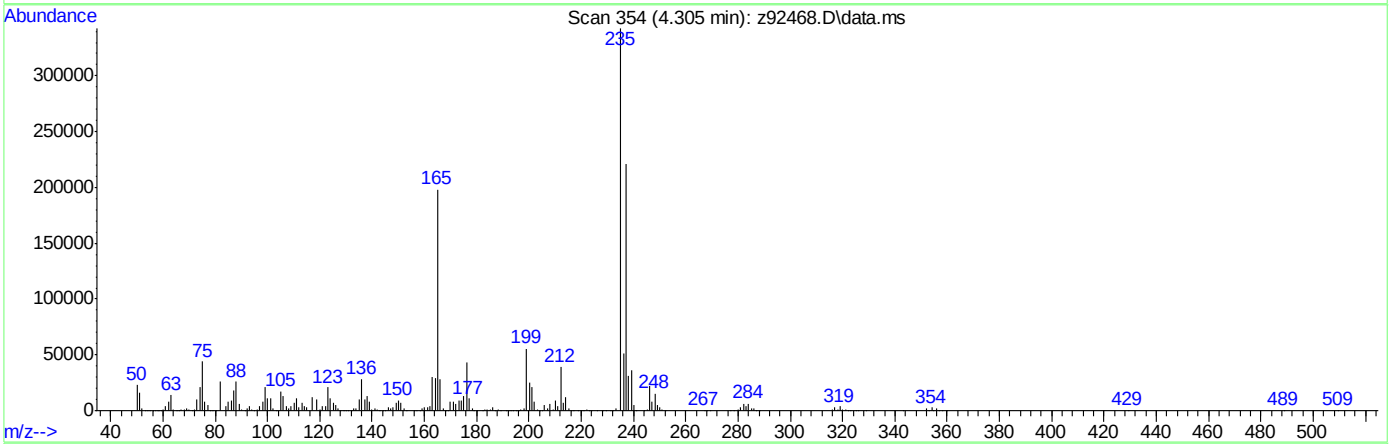
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92468.D
Acq On : 12 Jun 2014 10:20 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4597,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:26:14 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: z92468.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

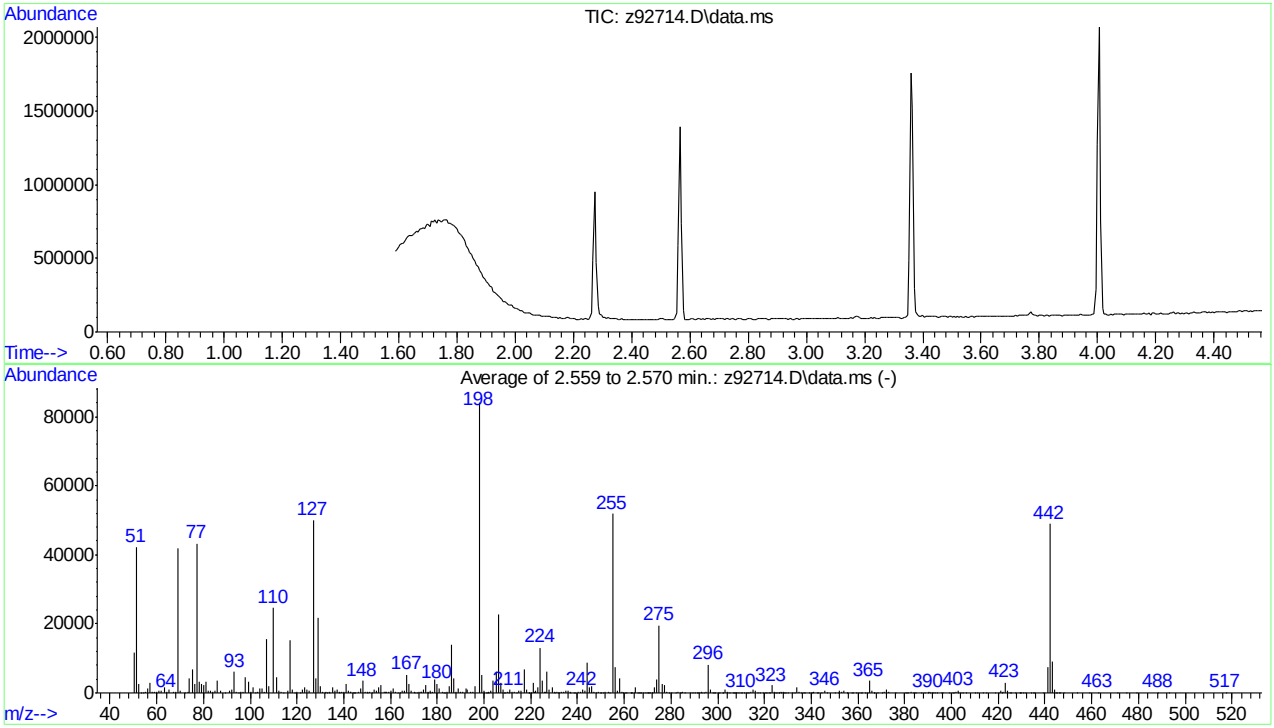
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92714.D
Acq On : 18 Jun 2014 9:16 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4606
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 171, 172, 173; Background Corrected with Scan 167

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.4	42360	PASS
68	69	0.00	2	0.6	269	PASS
69	198	0.00	100	49.9	41934	PASS
70	69	0.00	2	1.8	741	PASS
127	198	40	60	59.5	50000	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	84098	PASS
199	198	5	9	6.1	5158	PASS
275	198	10	30	23.3	19559	PASS
365	198	1	100	4.1	3489	PASS
441	443	0.01	100	81.4	7414	PASS
442	198	40	100	58.2	48977	PASS
443	442	17	23	18.6	9111	PASS

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	11761	61.05	566	74.05	4390	85.05	758
51.10	42360	62.05	518	75.10	6715	86.00	3425
52.10	2573	63.10	1698	76.05	2454	87.05	547
53.00	144	64.05	284	77.10	43202	89.00	83
54.10	4	65.10	960	78.00	3418	91.10	594
55.10	474	67.10	350	79.10	2746	92.05	828
56.05	1309	68.10	269	80.05	2173	93.05	6068
57.10	2809	69.00	41934	81.10	3335	94.05	317
58.10	270	70.10	741	82.00	565	95.10	163
59.15	220	71.95	86	83.05	763	96.05	247
59.95	176	73.10	398	84.00	493	97.05	183

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.00	4478	110.00	24635	122.05	957	133.05	22
99.05	3207	111.05	4502	123.00	1712	133.80	171
100.10	392	112.00	680	124.05	896	134.00	363
101.05	1736	113.10	226	125.10	670	135.00	1641
101.95	65	114.05	54	127.05	50000	136.05	731
103.15	382	116.05	506	128.10	4363	137.05	1114
104.05	1266	117.05	15414	129.05	21880	138.10	178
105.10	1364	118.00	977	130.00	1796	138.30	85
106.00	431	119.05	115	131.05	426	139.10	286
107.05	15522	120.00	225	131.70	79	139.95	407
108.00	2044	121.10	29	132.20	179	141.00	2648

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.05	699	150.20	94	160.00	779	170.00	190
142.90	186	151.10	427	161.05	1153	170.40	108
143.00	360	151.95	96	162.00	318	171.25	139
143.90	138	153.05	860	163.20	157	172.00	388
144.20	99	154.05	630	163.80	77	172.90	240
144.80	77	155.00	1773	165.05	643	173.20	375
146.05	398	156.05	2327	165.90	207	174.00	943
147.05	1427	157.10	376	166.00	508	175.00	2167
148.00	3428	157.60	262	167.00	5204	175.90	340
149.05	413	158.00	216	168.05	2506	176.20	103
150.00	195	159.05	251	169.00	687	176.90	105

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	681	187.05	4156	199.00	5158	207.10	3090
178.00	335	188.20	297	199.90	80	208.05	839
179.00	3953	189.00	1217	200.05	517	208.80	57
180.00	2656	190.00	337	201.00	105	209.00	110
181.00	1244	191.00	457	201.50	75	210.00	231
182.05	219	192.05	1286	201.65	185	210.40	153
182.90	78	193.00	1104	202.10	27	211.00	834
183.20	164	194.00	460	203.05	807	212.00	236
183.90	349	195.15	235	204.00	3518	213.05	190
185.00	1862	196.05	2075	205.05	6249	213.90	48
186.10	13994	198.00	84098	206.10	22805	214.95	505

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
216.00	559	225.05	3458	233.00	194	243.10	596
217.00	6920	226.00	345	233.95	376	244.05	8707
218.05	1046	226.30	219	235.00	617	245.05	1639
218.95	10	227.00	6177	236.05	501	245.90	424

DFTPPZ.M Thu Jun 19 16:04:37 2014 RTE

219.20	49	228.00	1053	236.90	320	246.05	1860
219.90	43	229.00	1481	237.10	59	247.05	430
221.00	2817	229.95	197	238.15	157	248.10	167
221.70	238	230.20	47	238.95	163	248.95	278
222.00	632	231.00	486	240.05	347	249.80	23
222.95	1539	231.80	33	241.00	400	250.00	44
224.05	13015	232.10	109	242.05	900	250.85	20

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
251.95	191	262.70	29	269.80	19	277.95	474
253.00	348	263.00	34	270.00	53	279.15	58
253.90	24	263.25	65	270.25	85	280.00	36
255.00	51922	264.20	94	271.10	137	281.95	27
256.00	7472	264.95	1491	271.90	114	282.95	301
256.95	566	265.90	113	272.10	124	283.90	90
258.00	4108	266.30	71	273.00	1550	284.20	106
259.00	494	266.60	80	274.00	3809	285.05	365
259.20	129	267.10	113	275.00	19559	286.05	133
260.20	62	267.90	4	276.00	2691	288.15	59
261.05	62	268.80	1	277.05	2243	289.00	78

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
290.15	102	298.20	43	307.00	69	314.00	358
291.10	71	298.70	18	307.30	17	315.00	999
291.80	27	300.10	29	307.90	38	316.05	547
292.00	95	300.85	148	308.10	50	317.10	86
292.80	53	302.00	129	308.95	59	317.90	20
293.05	377	302.30	40	309.90	57	319.20	38
294.00	120	303.00	939	310.15	93	320.20	42
295.00	178	303.90	28	311.00	28	321.05	165
296.00	8119	304.05	256	312.10	41	321.85	118
297.05	1103	305.00	24	312.70	53	322.10	42
297.95	89	306.30	39	313.20	48	323.00	2227

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.05	425	330.00	41	341.00	240	355.20	51
324.90	56	331.90	154	342.20	75	355.60	26
325.10	17	333.05	130	343.00	30	357.10	21
326.00	21	334.00	1552	344.10	23	357.80	20
326.20	28	334.90	323	345.85	703	359.10	43
326.90	66	335.85	67	346.70	56	360.20	57
327.05	383	336.80	26	350.20	49	360.90	53
327.80	13	337.00	19	351.40	22	361.40	65
328.05	192	339.20	34	352.05	793	363.10	99
328.70	20	340.10	47	352.90	283	363.90	98
329.00	80	340.40	21	354.05	694	364.95	3489

Average of 2.559 to 2.570 min.: z92714.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.95	610	381.50	29	392.05	104	403.90	88
366.70	20	382.90	191	392.90	47	404.90	52
367.00	48	383.50	25	393.70	26	406.30	28
368.40	20	384.10	64	395.80	18	410.10	55
370.00	67	384.75	72	396.10	45	411.20	35
371.05	237	387.00	45	398.90	20	413.30	21
372.05	1102	388.40	43	400.30	20	415.05	69
373.00	347	389.70	40	400.95	143	418.90	34
376.10	29	390.20	261	401.95	220	420.10	29
380.15	45	391.05	46	402.90	134	420.95	576
380.80	17	391.90	25	403.05	687	421.60	21

Average of 2.559 to 2.570 min.: z92714.D\data.ms

DFTPPZ.M Thu Jun 19 16:04:37 2014 RTE

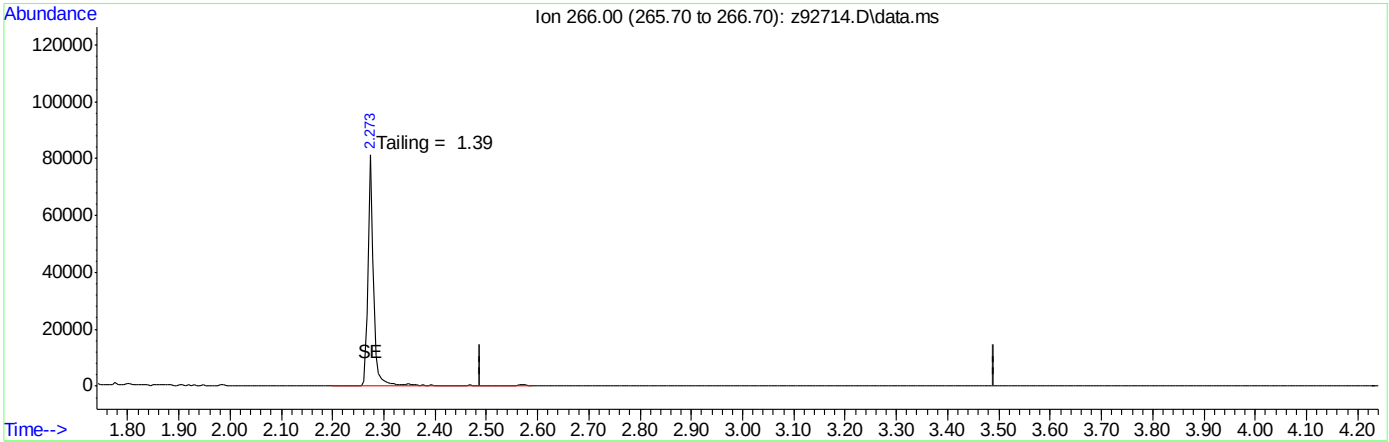
dftpp
Modified:subtracted

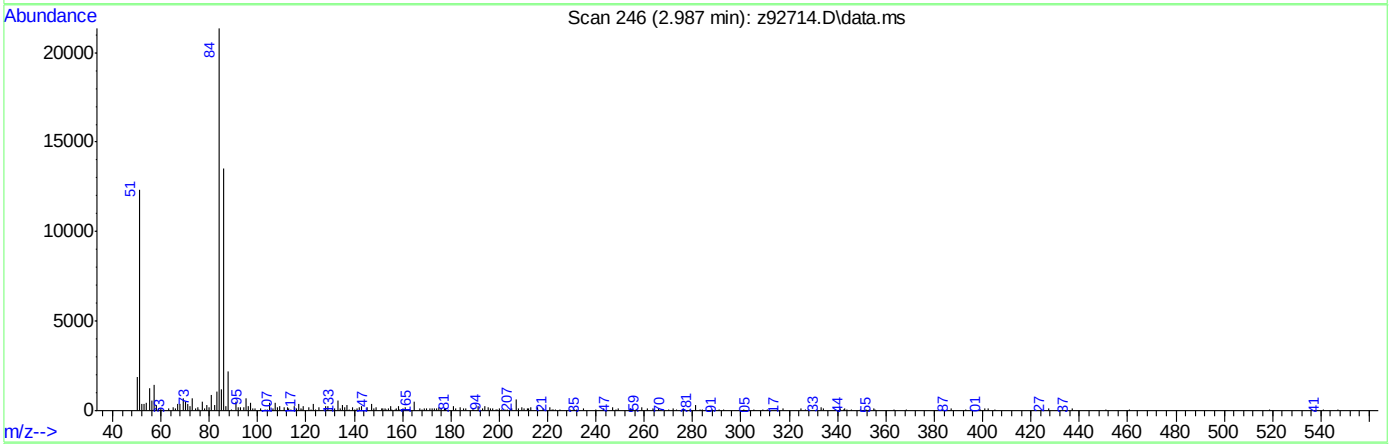
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
421.95	350	434.00	36	446.30	35		
423.00	2972	435.10	53	448.10	24		
424.00	612	435.40	28	453.60	20		
425.10	25	439.40	19	458.80	26		
425.60	25	441.00	7414	462.80	29		
427.20	47	442.00	48977	471.20	29		
429.00	17	443.00	9111	474.90	18		
429.20	25	443.90	867	479.30	28		
429.70	21	444.70	78	488.40	29		
430.90	17	445.00	30	493.10	26		
431.40	35	446.10	25	517.30	23		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92714.D
Acq On : 18 Jun 2014 9:16 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 09:22:31 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: z92714.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

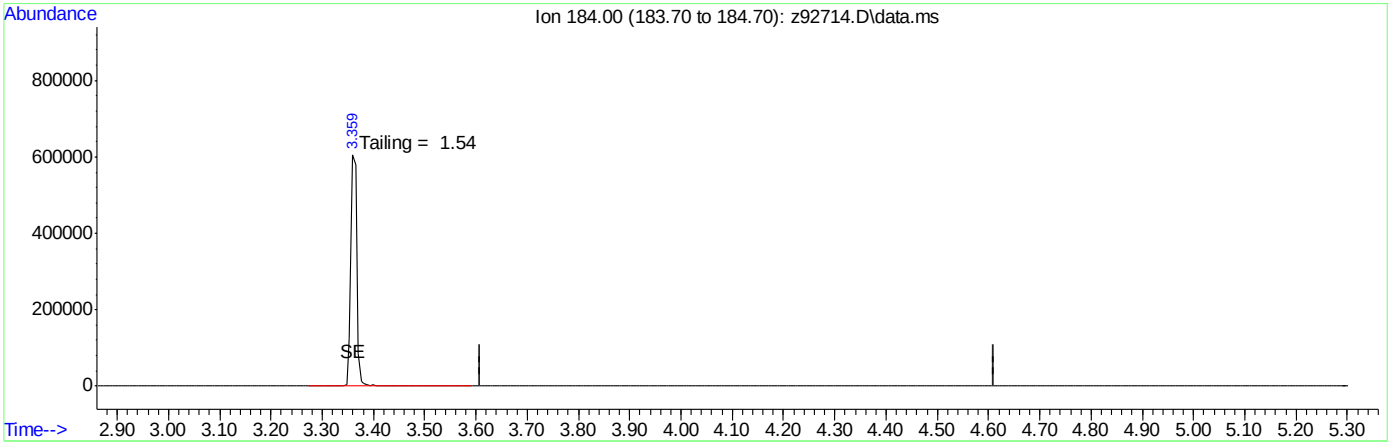
response 0

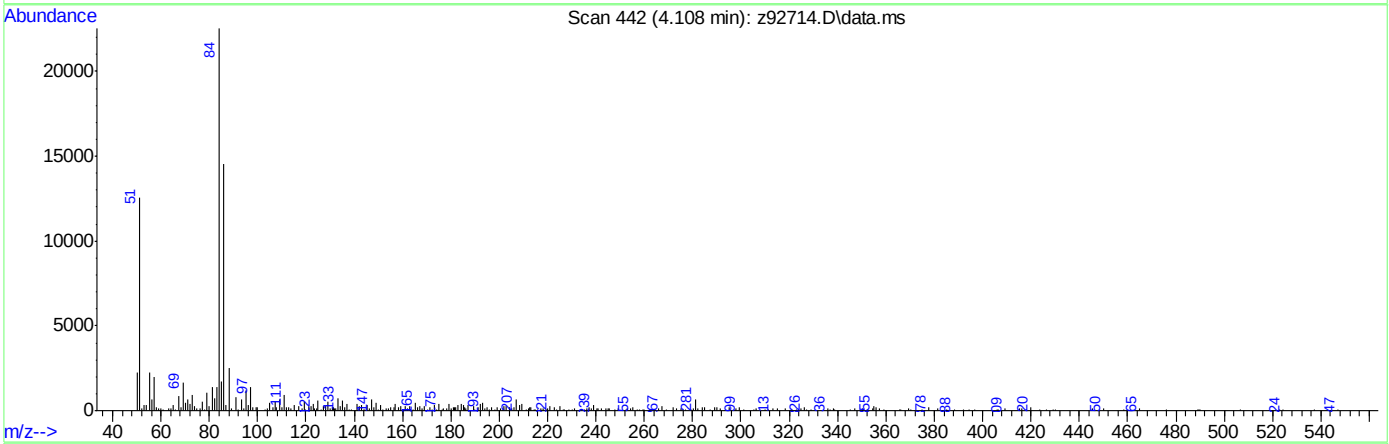
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92714.D
Acq On : 18 Jun 2014 9:16 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 09:22:31 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: z92714.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

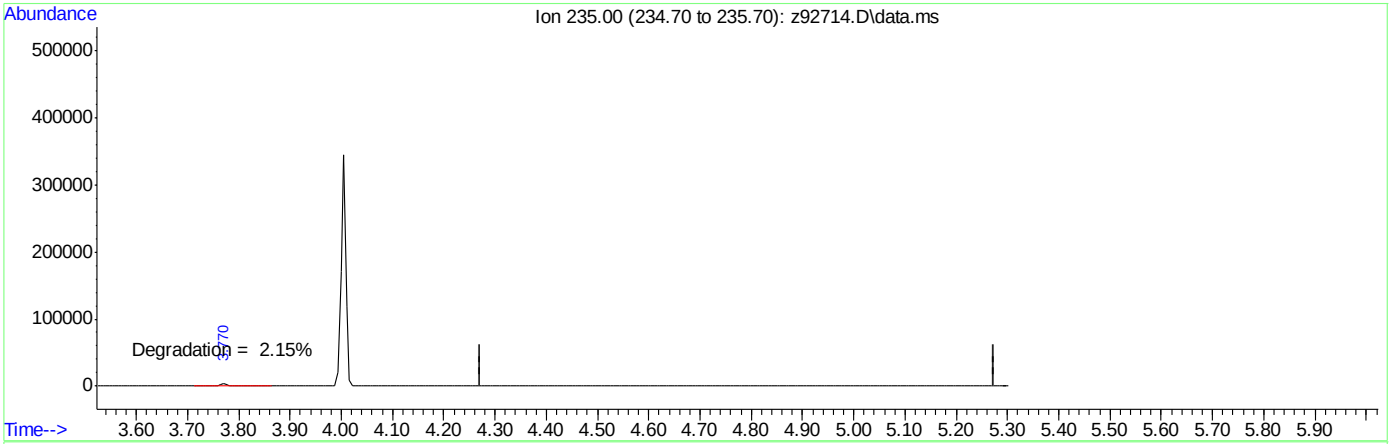
response 0

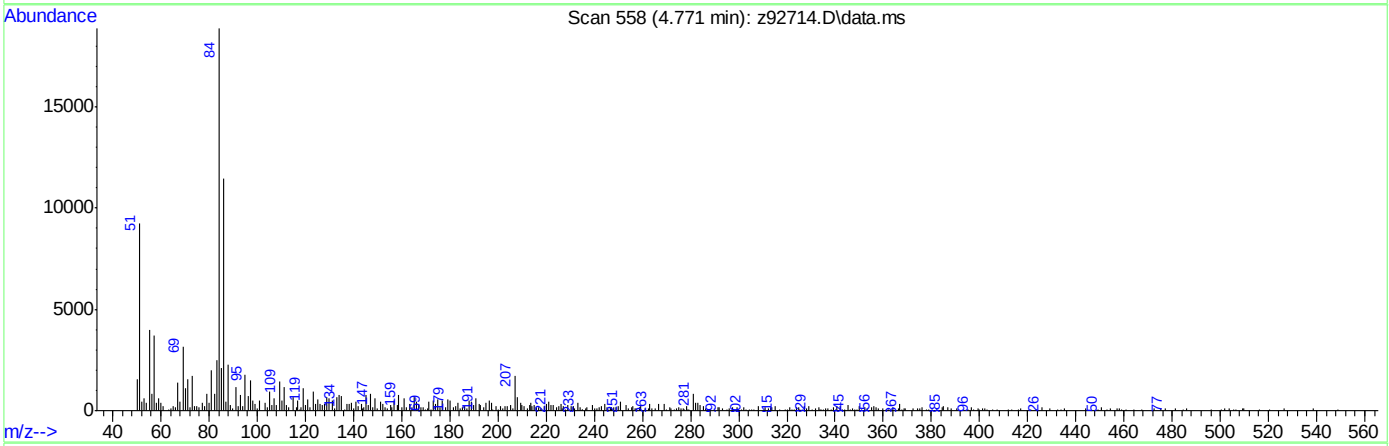
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92714.D
Acq On : 18 Jun 2014 9:16 am
Operator : ashleyv
Sample : dftpp
Misc : op75490,ez4606
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 09:22:31 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: z92714.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

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

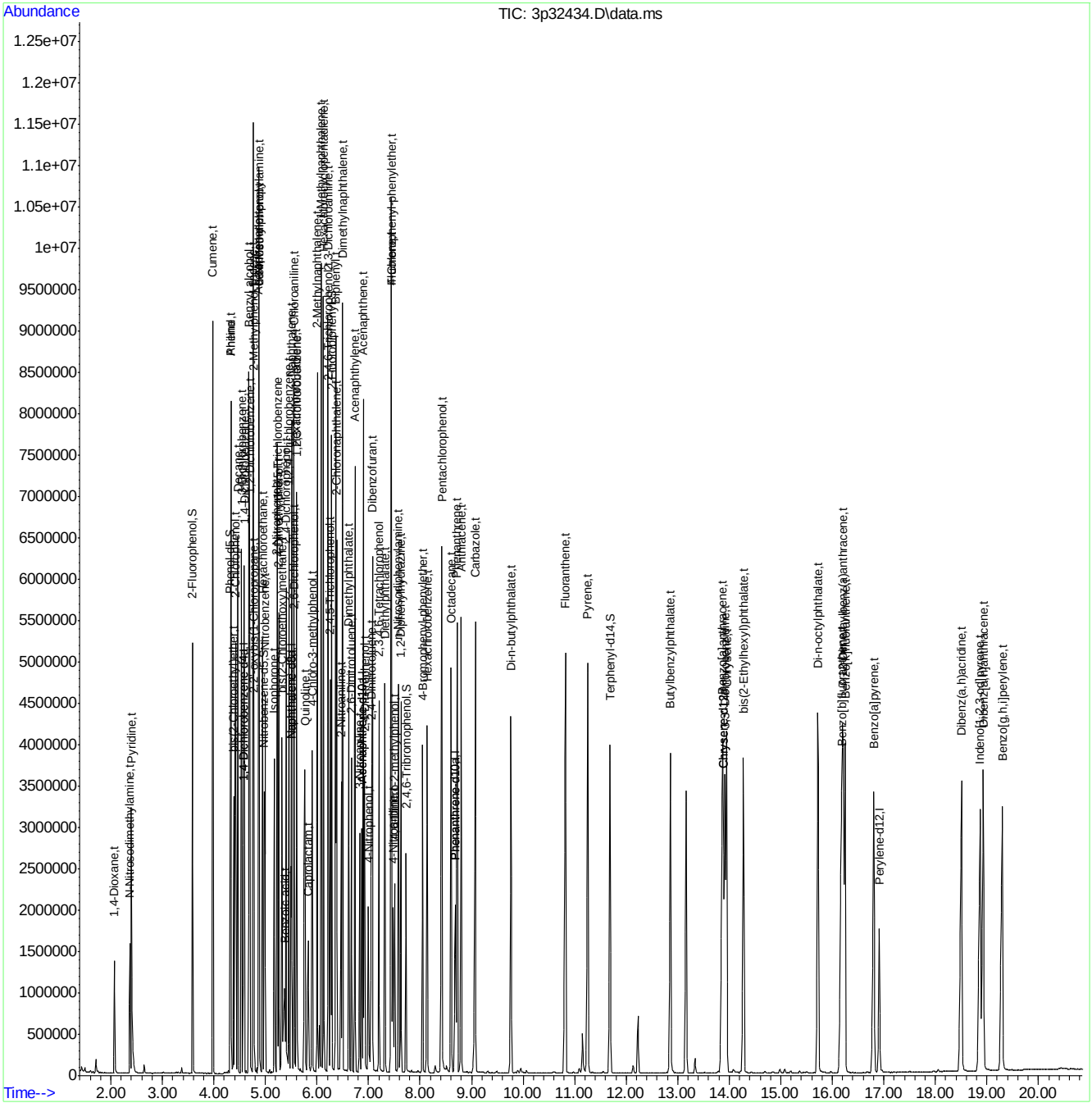
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2839636	95.01	ppb	100
79) Carbazole	9.073	167	3282860	95.58	ppb	100
80) Di-n-butylphthalate	9.763	149	3728424	97.18	ppb	100
81) Fluoranthene	10.822	202	3365201	97.82	ppb	100
82) Octadecane	8.602	57	1168786	94.69	ppb	100
84) Pyrene	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



Manual Integration Approval Summary

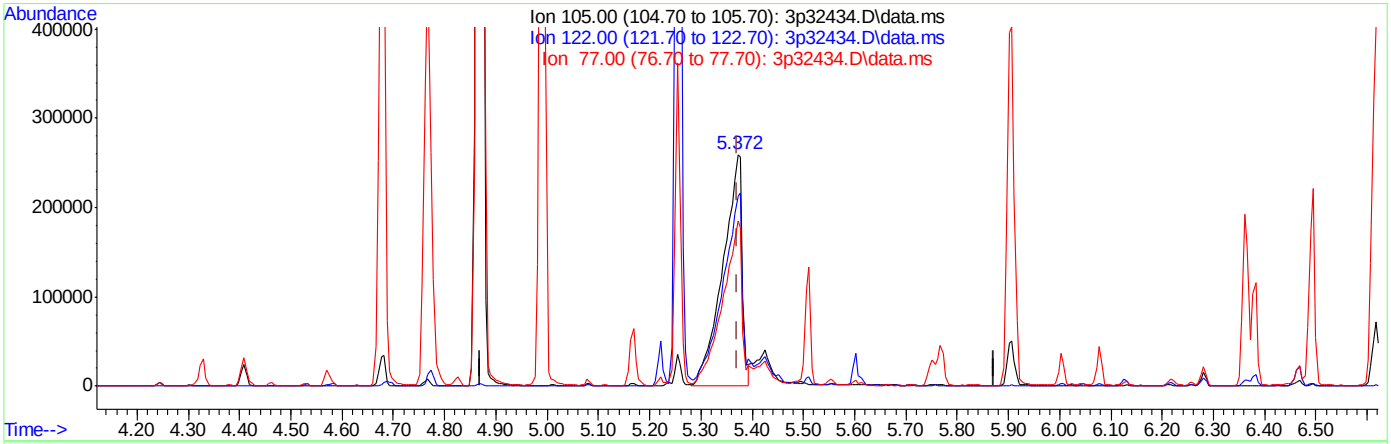
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32434.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:20	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

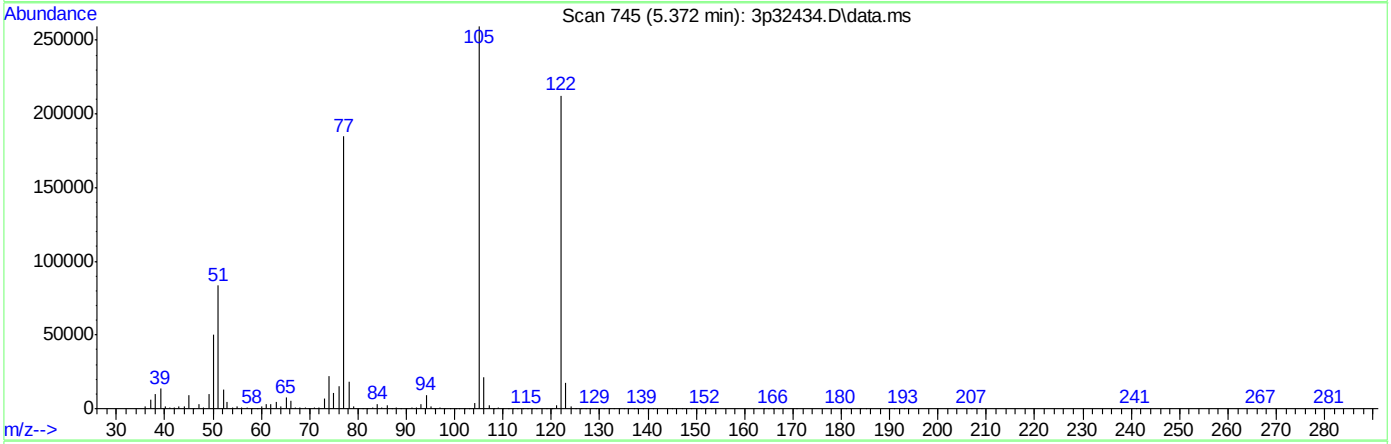
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

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

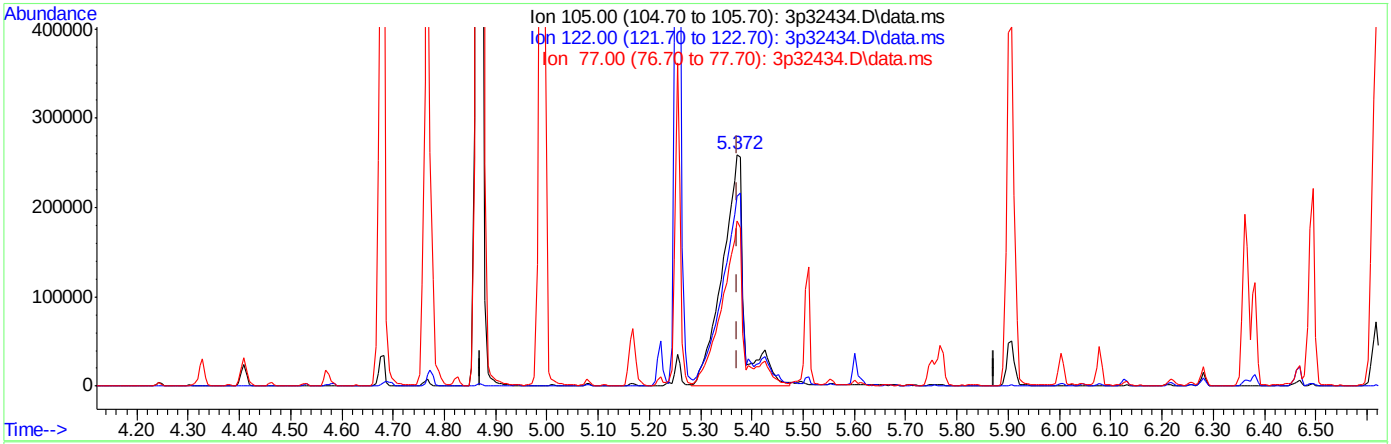
response 680622

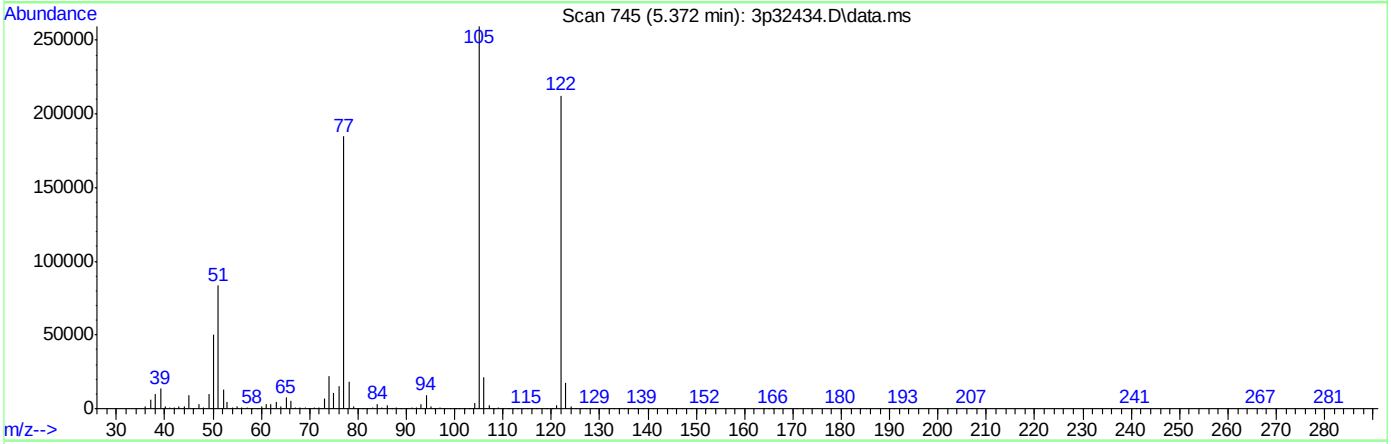
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	78.45
77.00	71.10	69.71
0.00	0.00	0.00

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

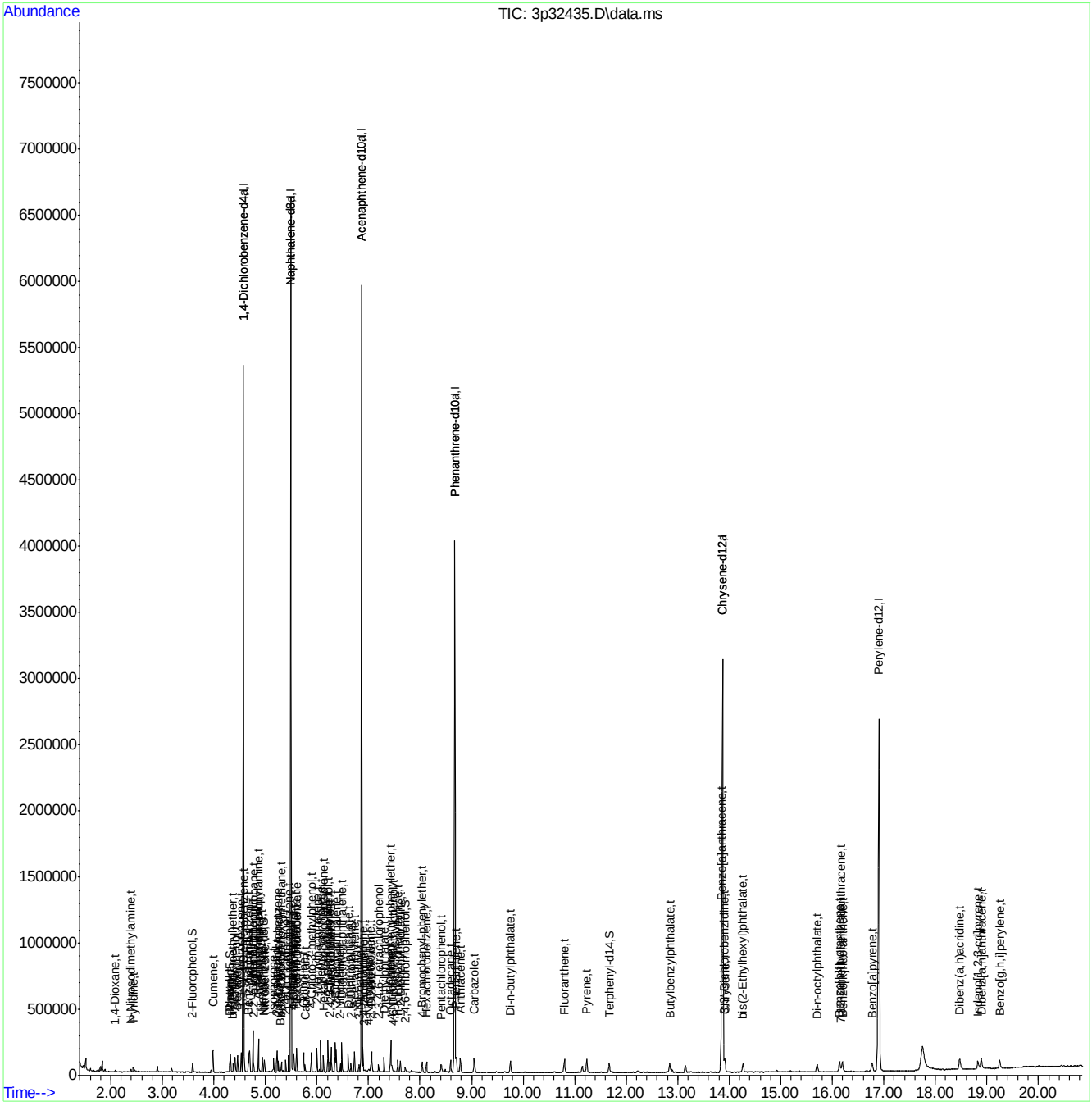
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	8.779	178	54865	1.10	ppb	98
79)	Carbazole	9.051	167	62715	1.09	ppb	99
80)	Di-n-butylphthalate	9.752	149	68974	1.06	ppb	99
81)	Fluoranthene	10.800	202	61470	1.04	ppb	98
82)	Octadecane	8.591	57	22729	1.11	ppb	97
84)	Pyrene	11.234	202	64151	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

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

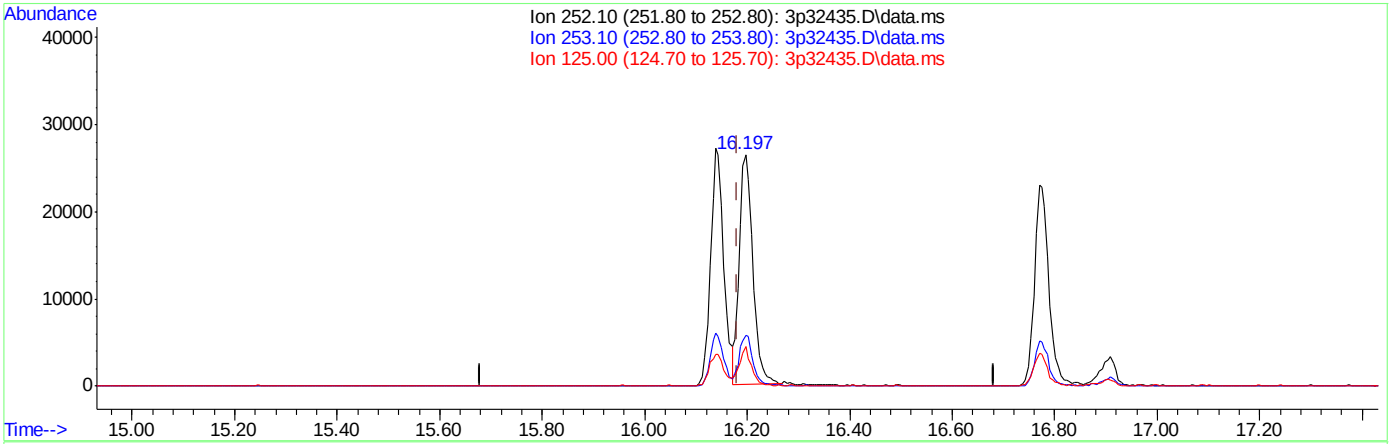
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32435.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:45	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

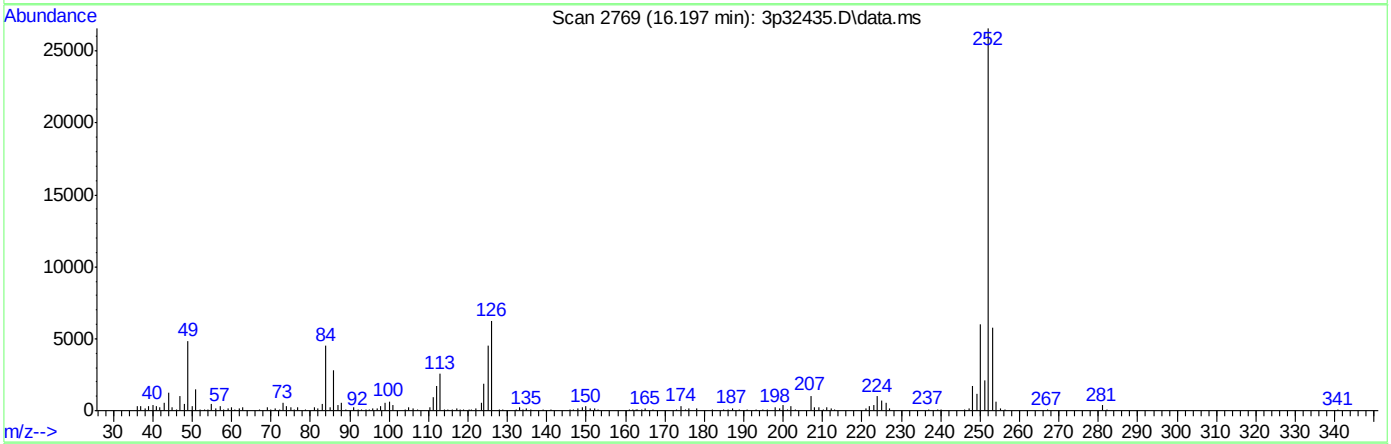
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		16.14	Overlapping peak

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

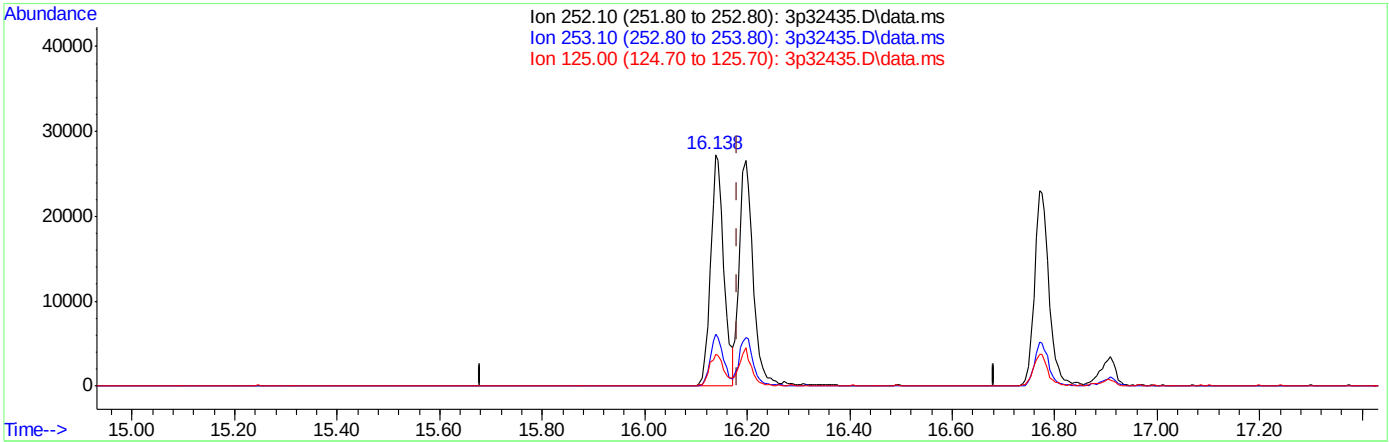
response 48834

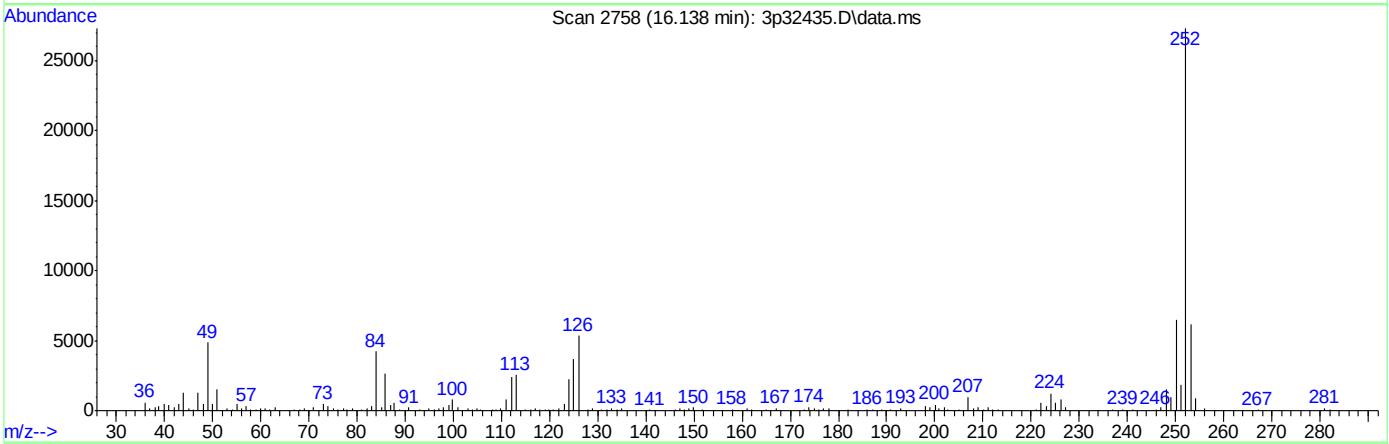
Ion	Exp%	Act%
252.10	100	100
253.10	21.30	21.96
125.00	13.50	16.49
0.00	0.00	0.00

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

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

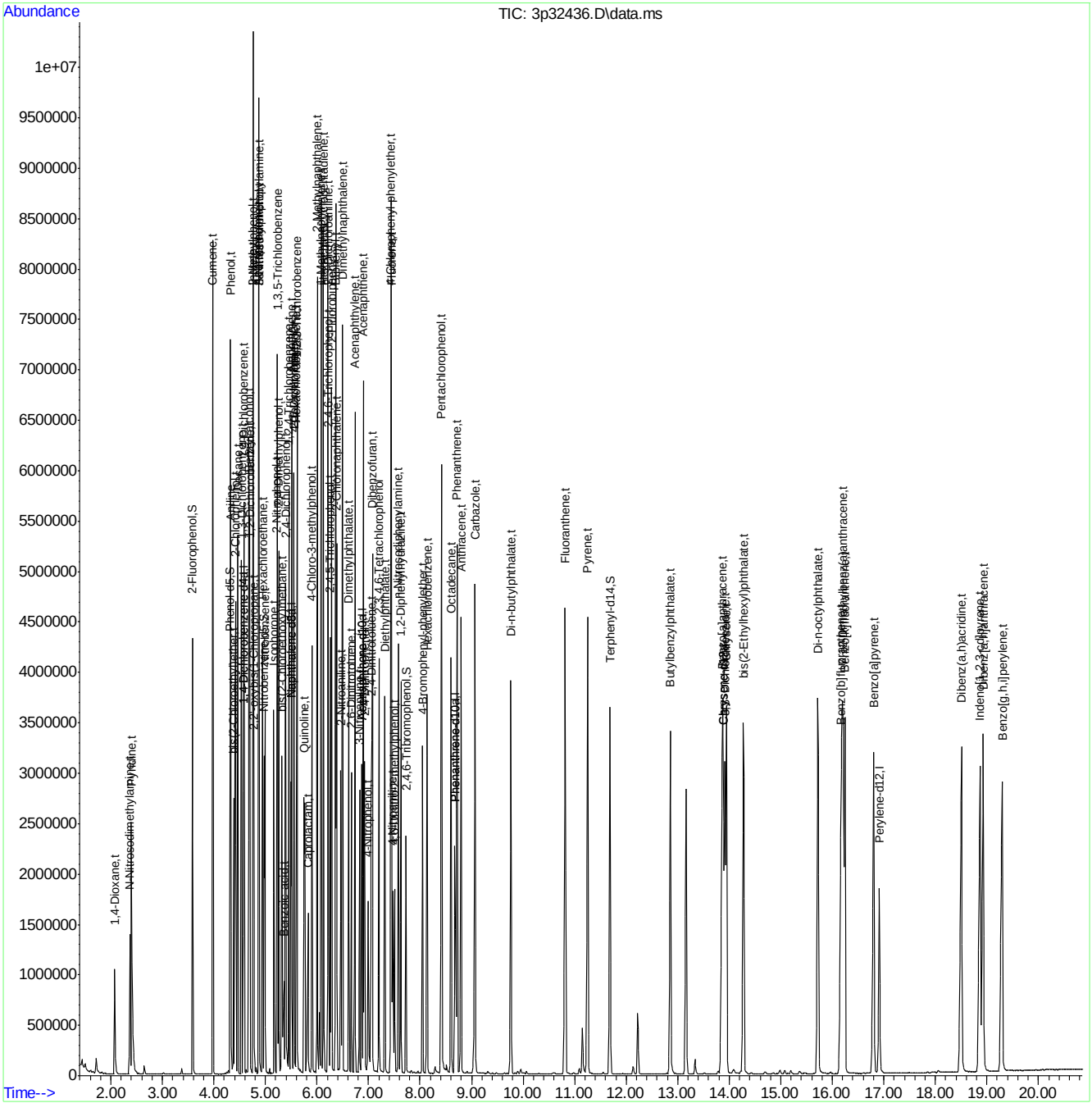
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2468043	76.95	ppb	99
79) Carbazole	9.068	167	2884263	78.25	ppb	100
80) Di-n-butylphthalate	9.763	149	3196796	77.65	ppb	100
81) Fluoranthene	10.817	202	2965336	80.32	ppb	99
82) Octadecane	8.602	57	990817	74.80	ppb	100
84) Pyrene	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

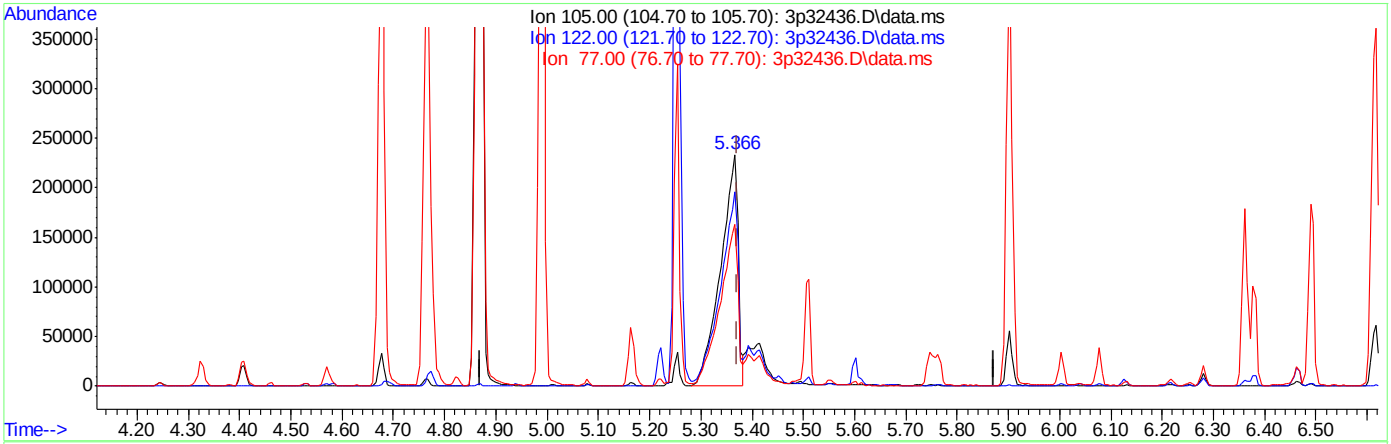
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32436.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 15:56	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

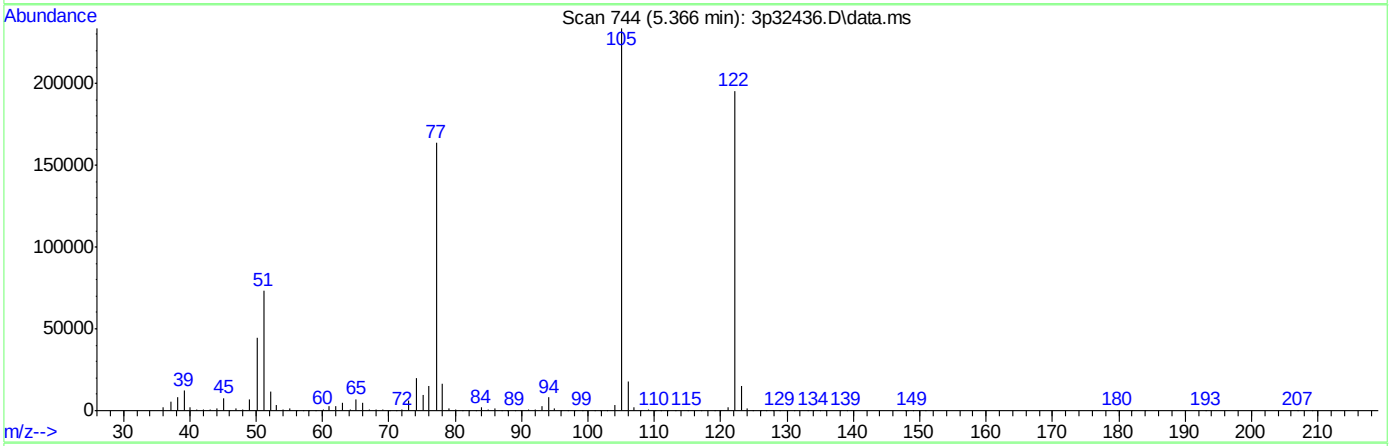
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

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

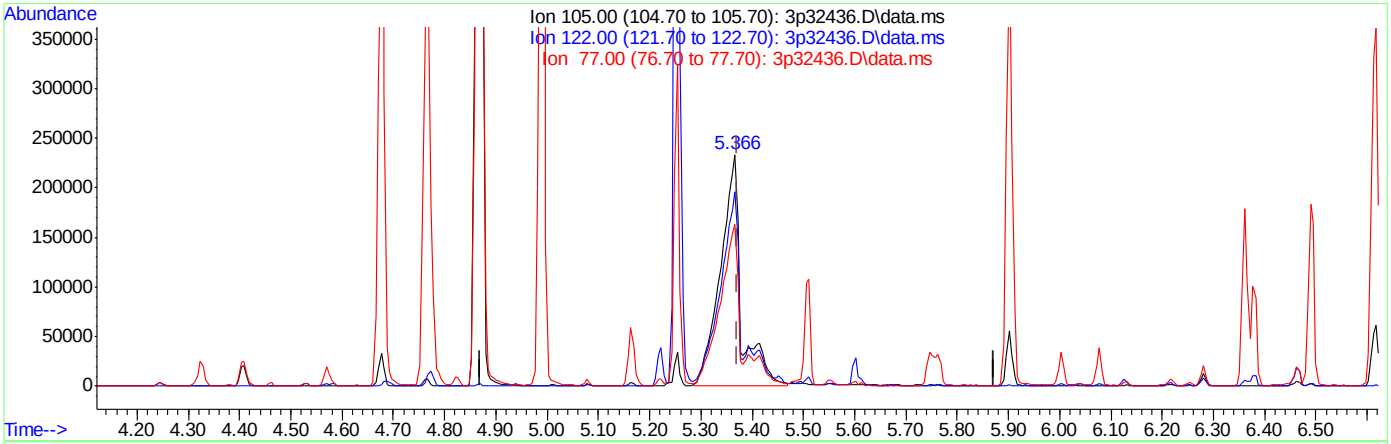
response 552349

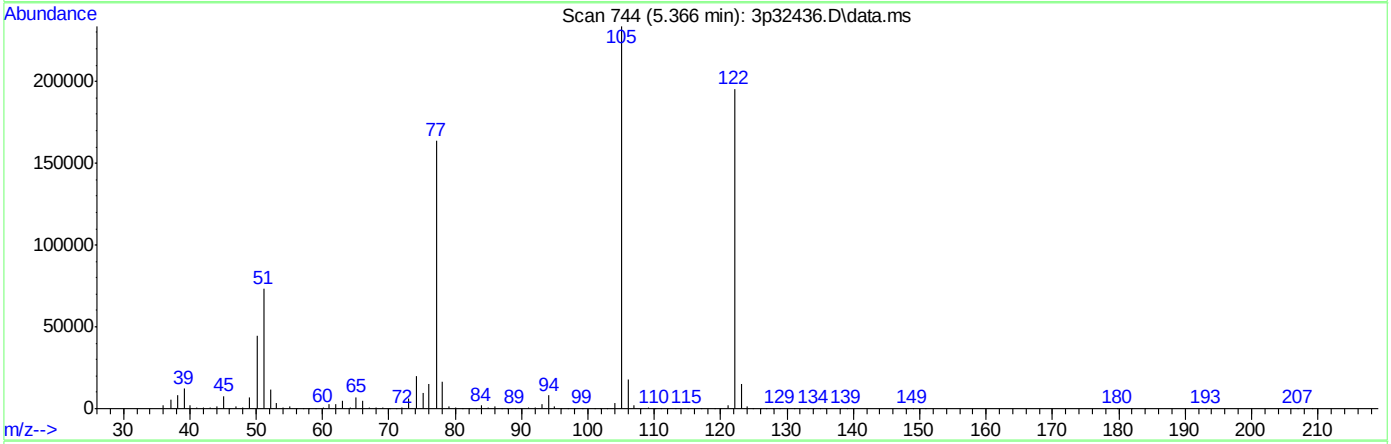
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	82.37
77.00	71.10	69.59
0.00	0.00	0.00

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

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

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

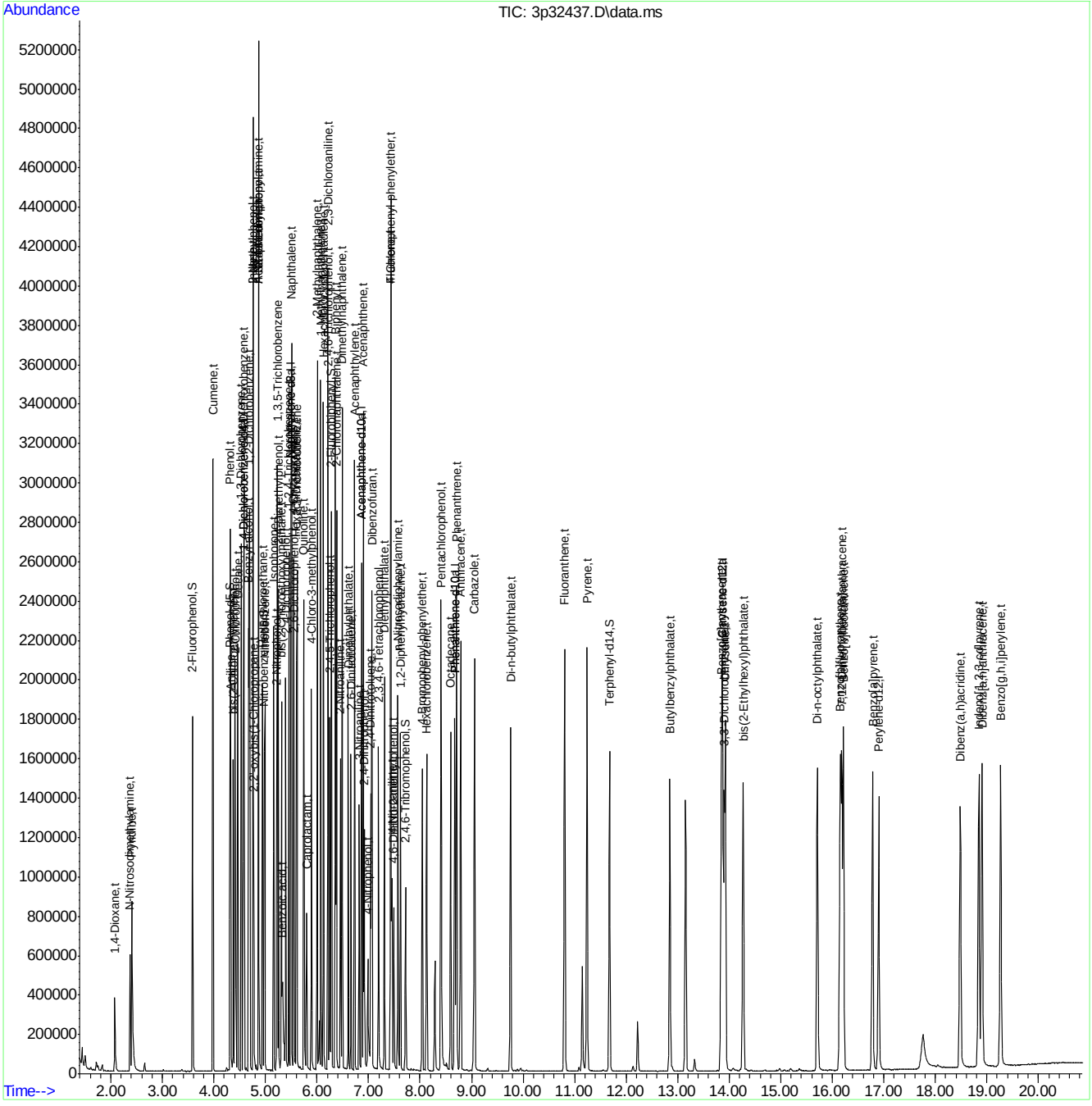
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.789	178	1104917	47.72	ppb	99
79) Carbazole	9.057	167	1122883	41.97	ppb	100
80) Di-n-butylphthalate	9.757	149	1413237	47.41	ppb	100
81) Fluoranthene	10.806	202	1280742	47.38	ppb	100
82) Octadecane	8.591	57	409843	43.25	ppb	98
84) Pyrene	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



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

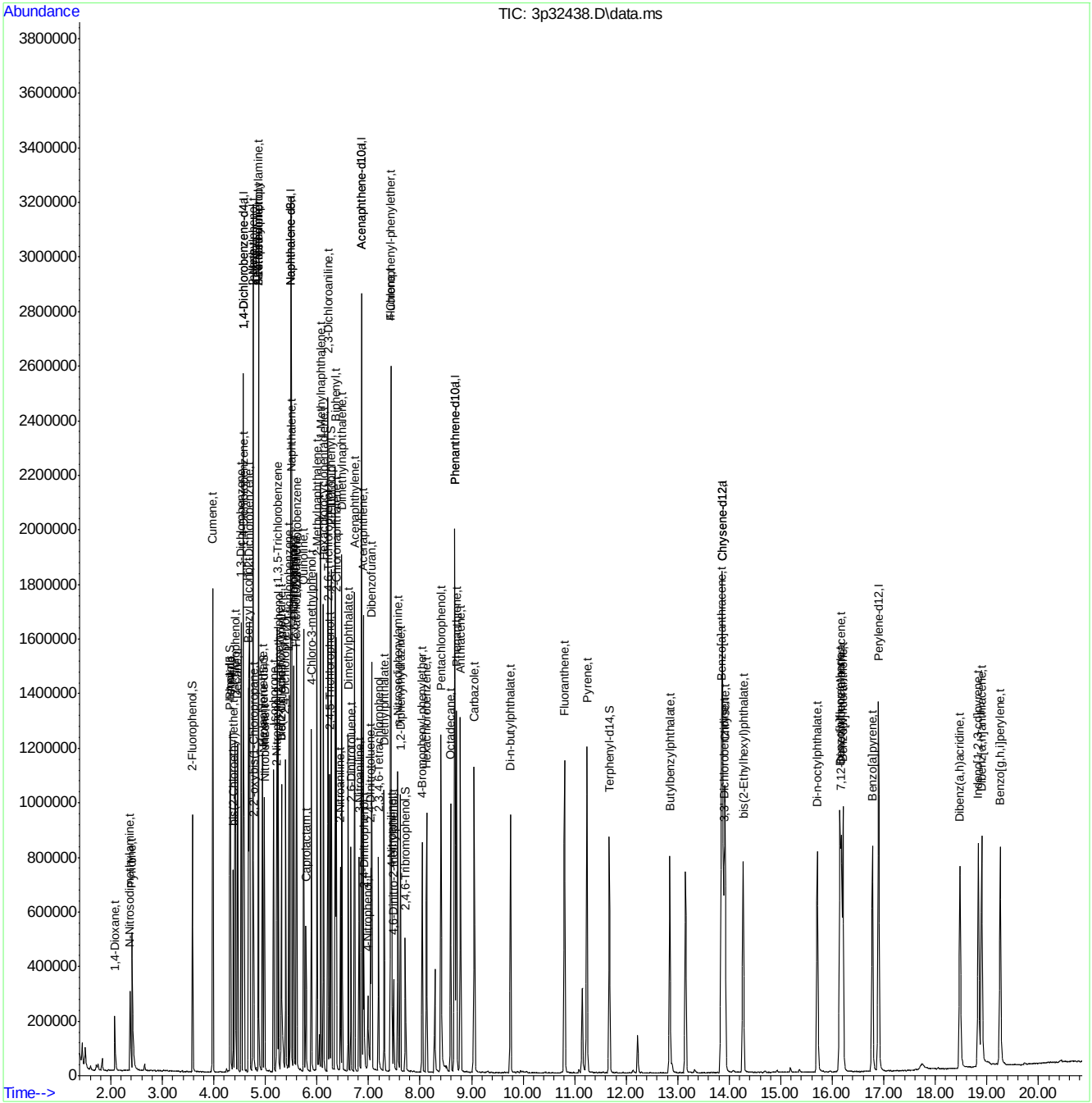
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	8.784	178	630091	25.99	ppb	99
79)	Carbazole	9.051	167	623211	22.91	ppb	100
80)	Di-n-butylphthalate	9.752	149	755708	24.25	ppb	99
81)	Fluoranthene	10.800	202	687888	24.35	ppb	99
82)	Octadecane	8.591	57	225148	23.22	ppb	100
84)	Pyrene	11.239	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

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

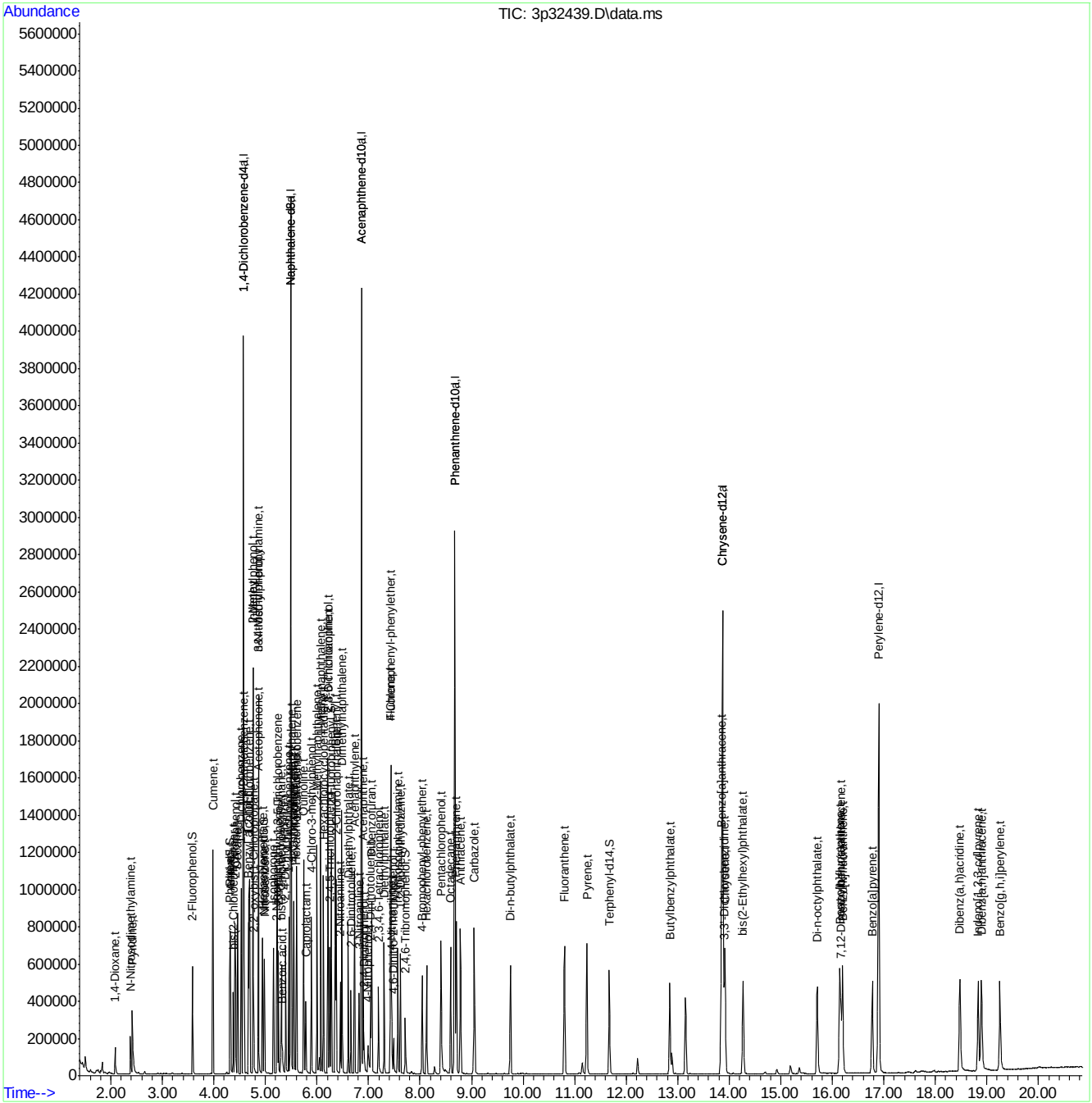
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	375535	10.36	ppb	99
79) Carbazole	9.051	167	435367	10.97	ppb	100
80) Di-n-butylphthalate	9.752	149	461679	10.05	ppb	100
81) Fluoranthene	10.800	202	417107	10.00	ppb	99
82) Octadecane	8.591	57	156345	11.02	ppb	99
84) Pyrene	11.239	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

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

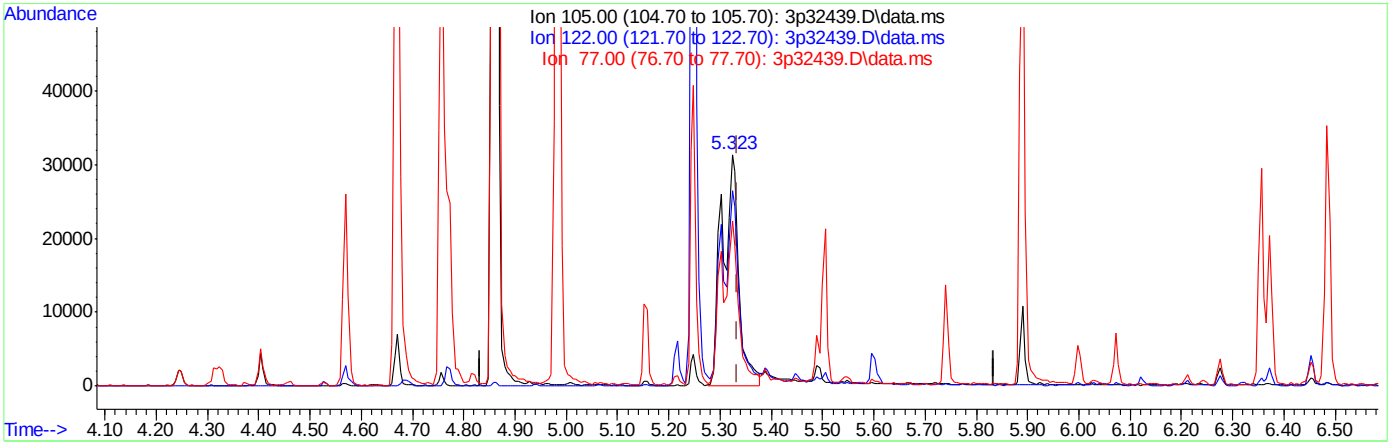
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32439.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 17:13	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

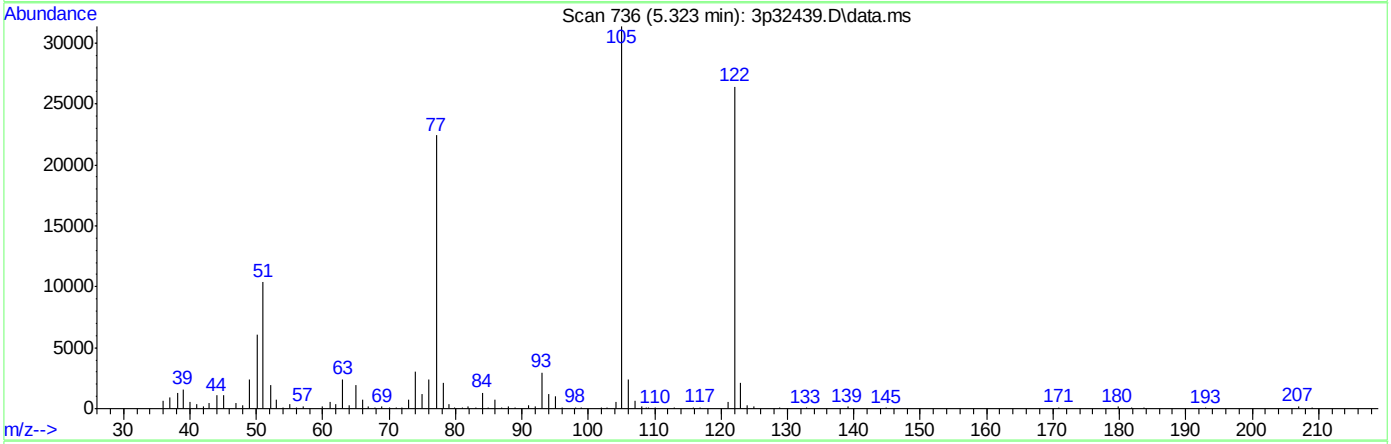
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.32	Split peak

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

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

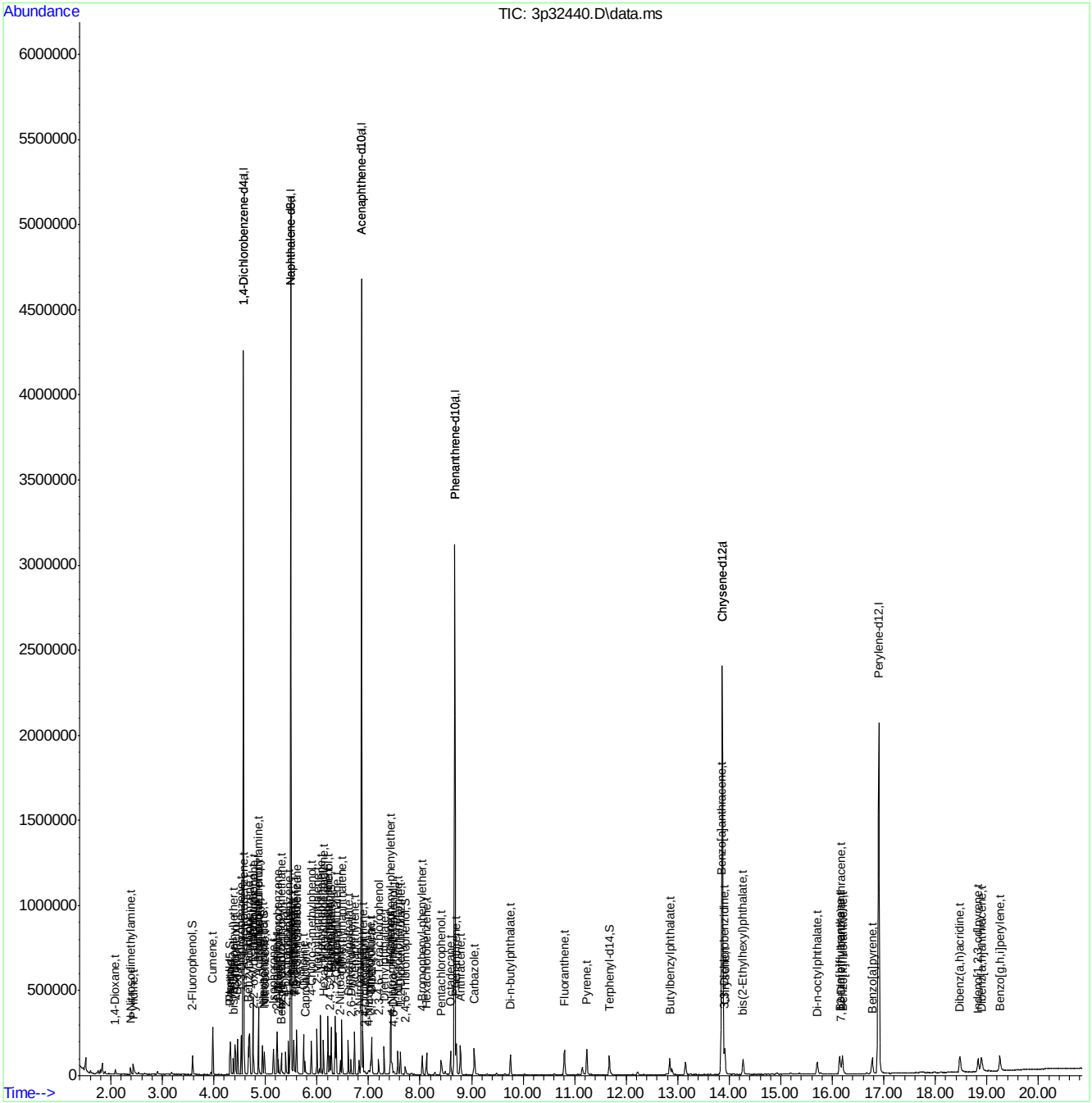
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	82357	2.08	ppb	99
79) Carbazole	9.051	167	91926	2.10	ppb	99
80) Di-n-butylphthalate	9.752	149	93282	1.86	ppb	99
81) Fluoranthene	10.800	202	87401	1.93	ppb	99
82) Octadecane	8.591	57	31552	2.01	ppb	99
84) Pyrene	11.234	202	94863	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

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



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

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

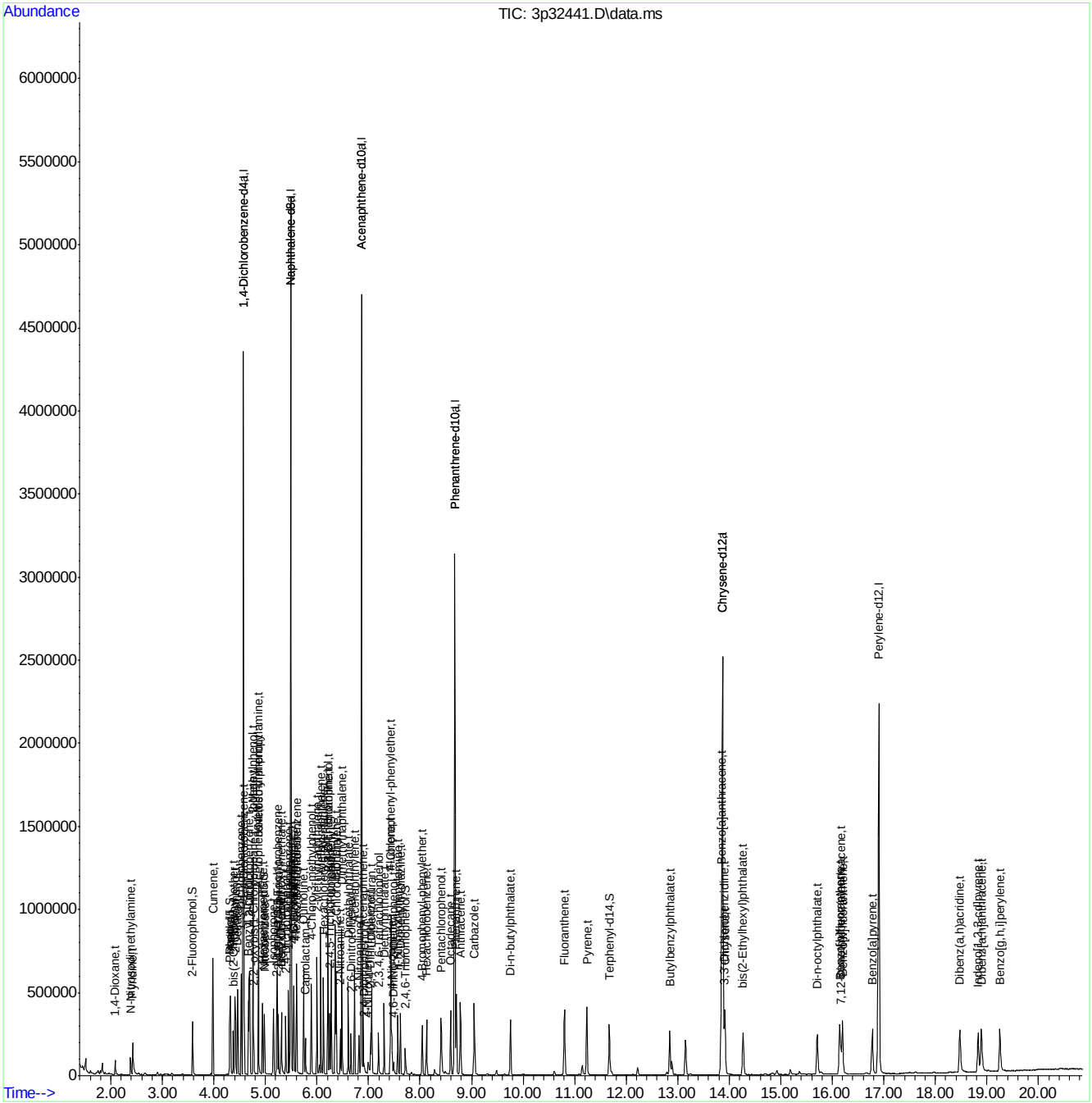
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	214598	5.28	ppb	99
79) Carbazole	9.051	167	245243	5.43	ppb	98
80) Di-n-butylphthalate	9.752	149	251910	5.03	ppb	99
81) Fluoranthene	10.800	202	235990	5.15	ppb	100
82) Octadecane	8.591	57	89055	5.53	ppb	99
84) Pyrene	11.239	202	253023	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

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



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

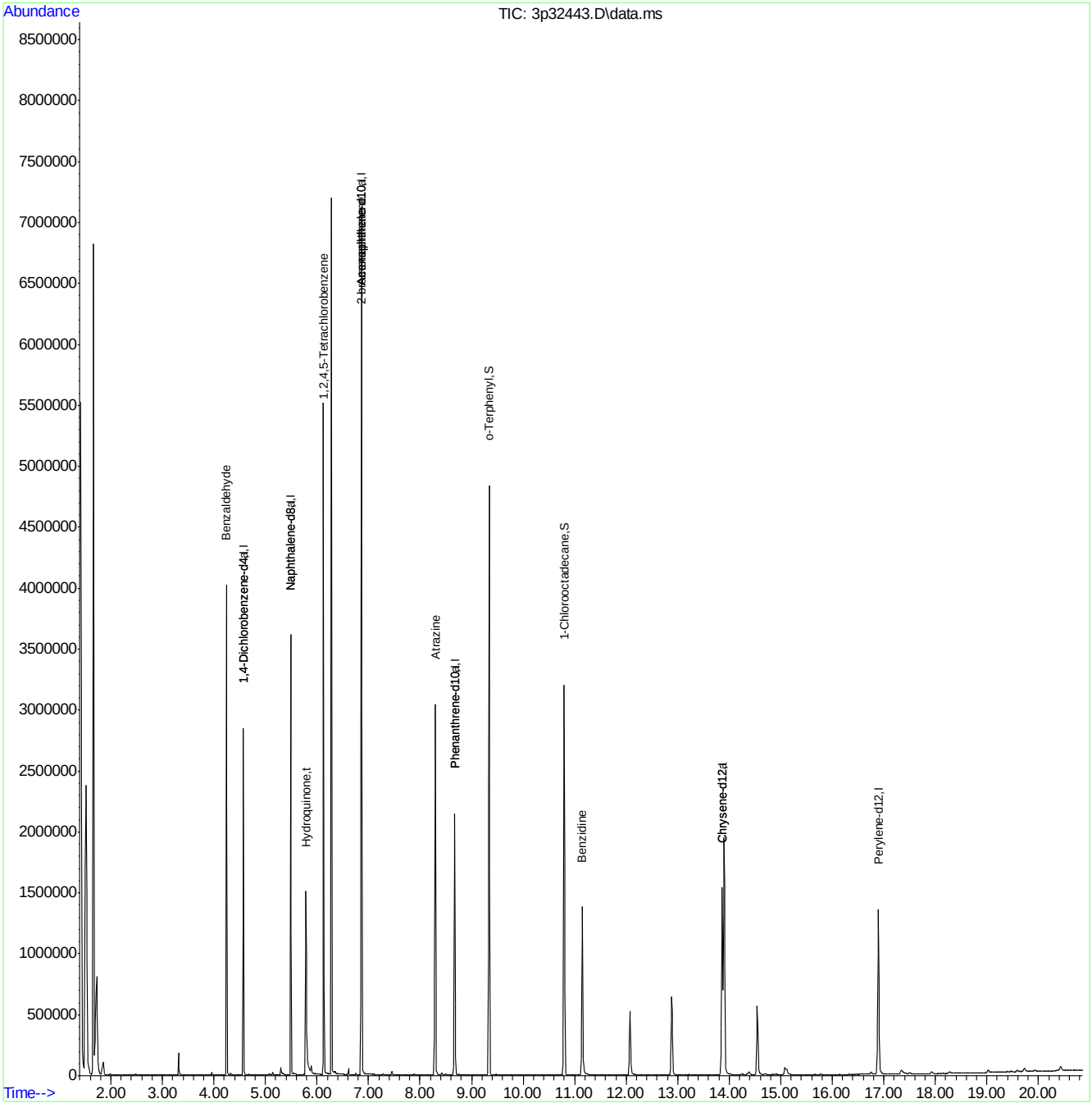
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	308697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1110767	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	575883	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	950032	40.00	ppb	0.00
83) Chrysene-d12	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

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

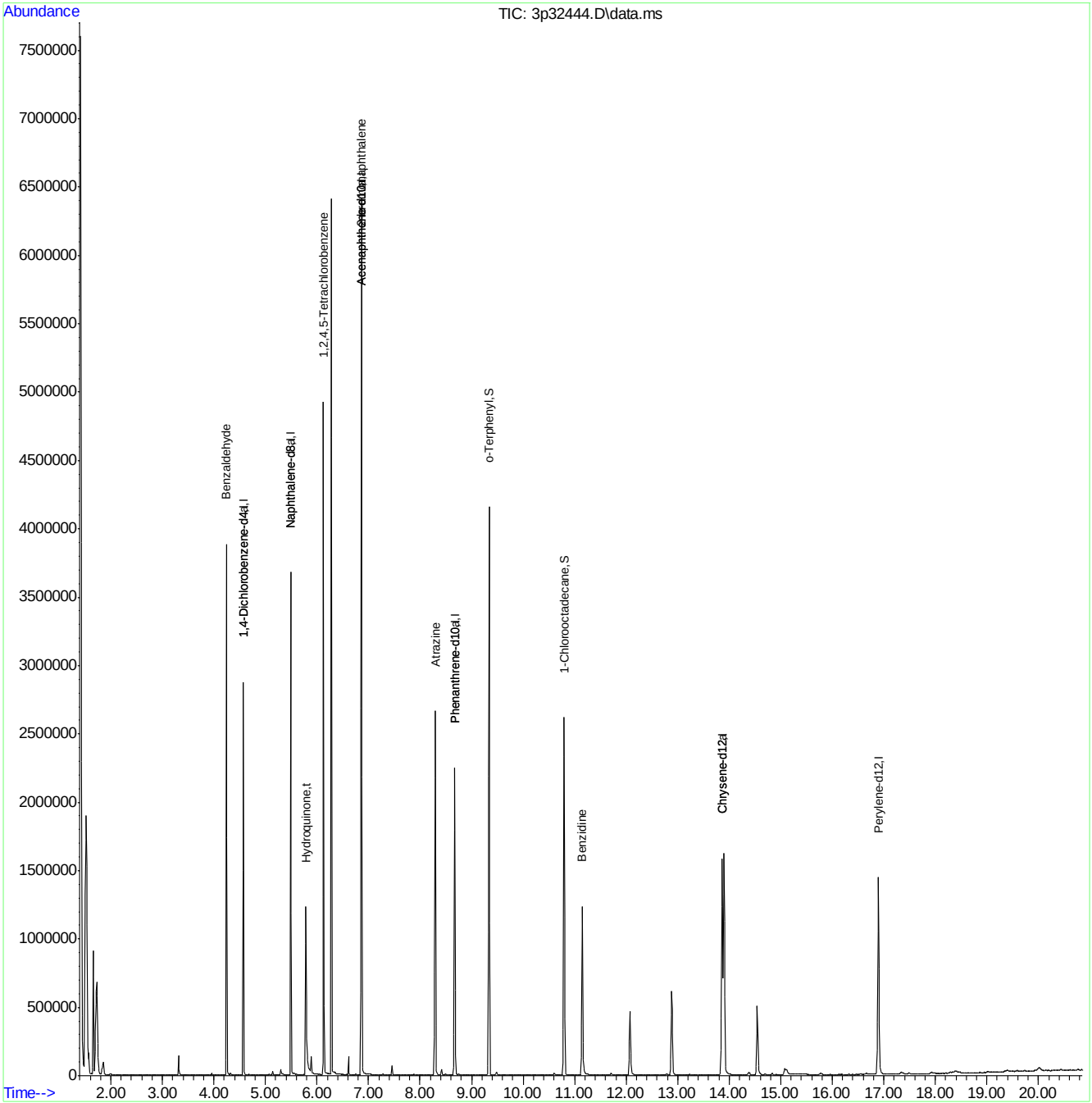
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	321389	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1154732	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	598227	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	974944	40.00	ppb	0.00
83) Chrysene-d12	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

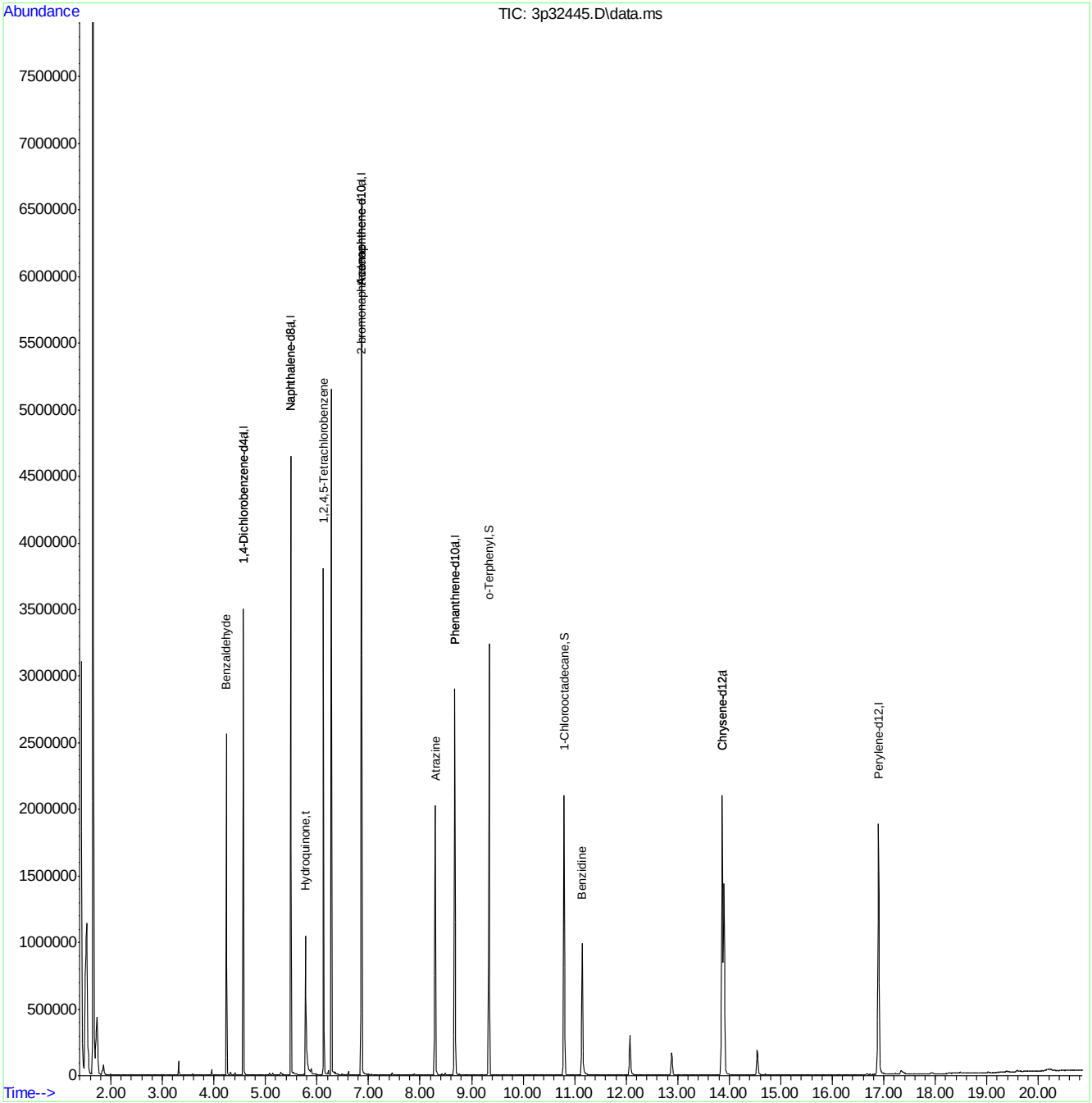
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	418461	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1472231	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	788281	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1295654	40.00	ppb	0.00
83) Chrysene-d12	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

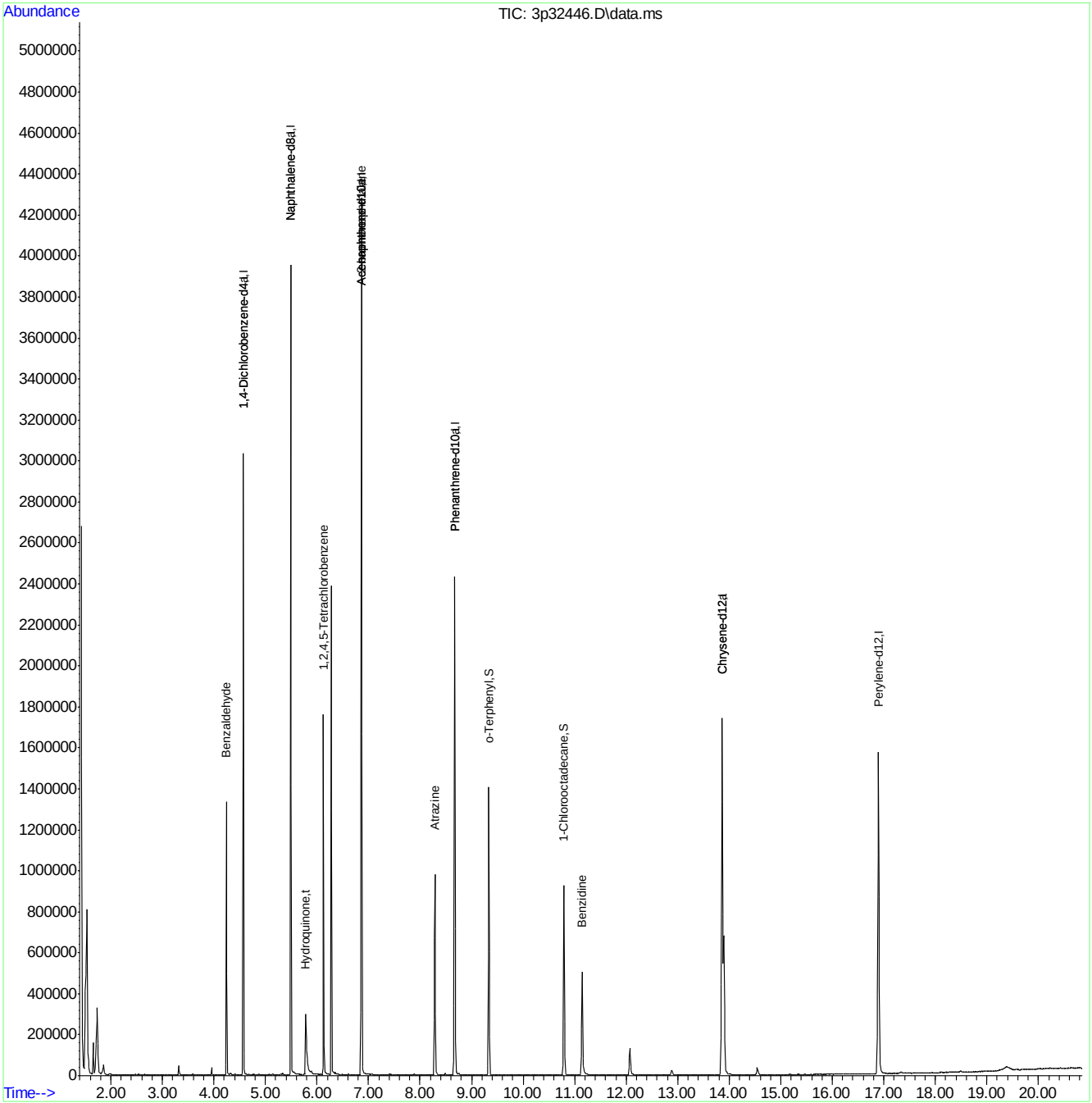
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	349267	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1244566	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	664198	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1082674	40.00	ppb	0.00
83) Chrysene-d12	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

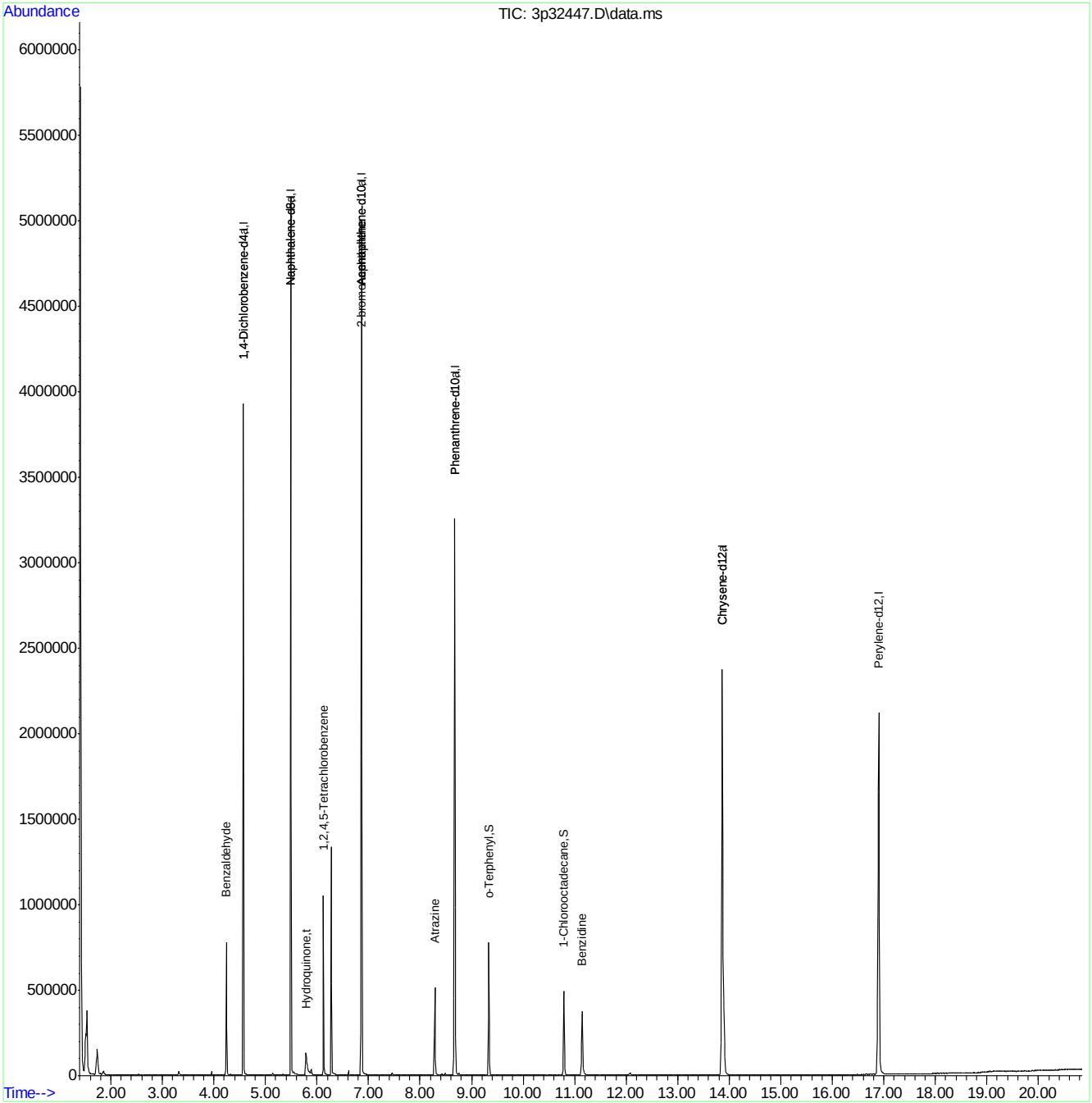
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	457807	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1623620	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	908800	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1450087	40.00	ppb	0.00
83) Chrysene-d12	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



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

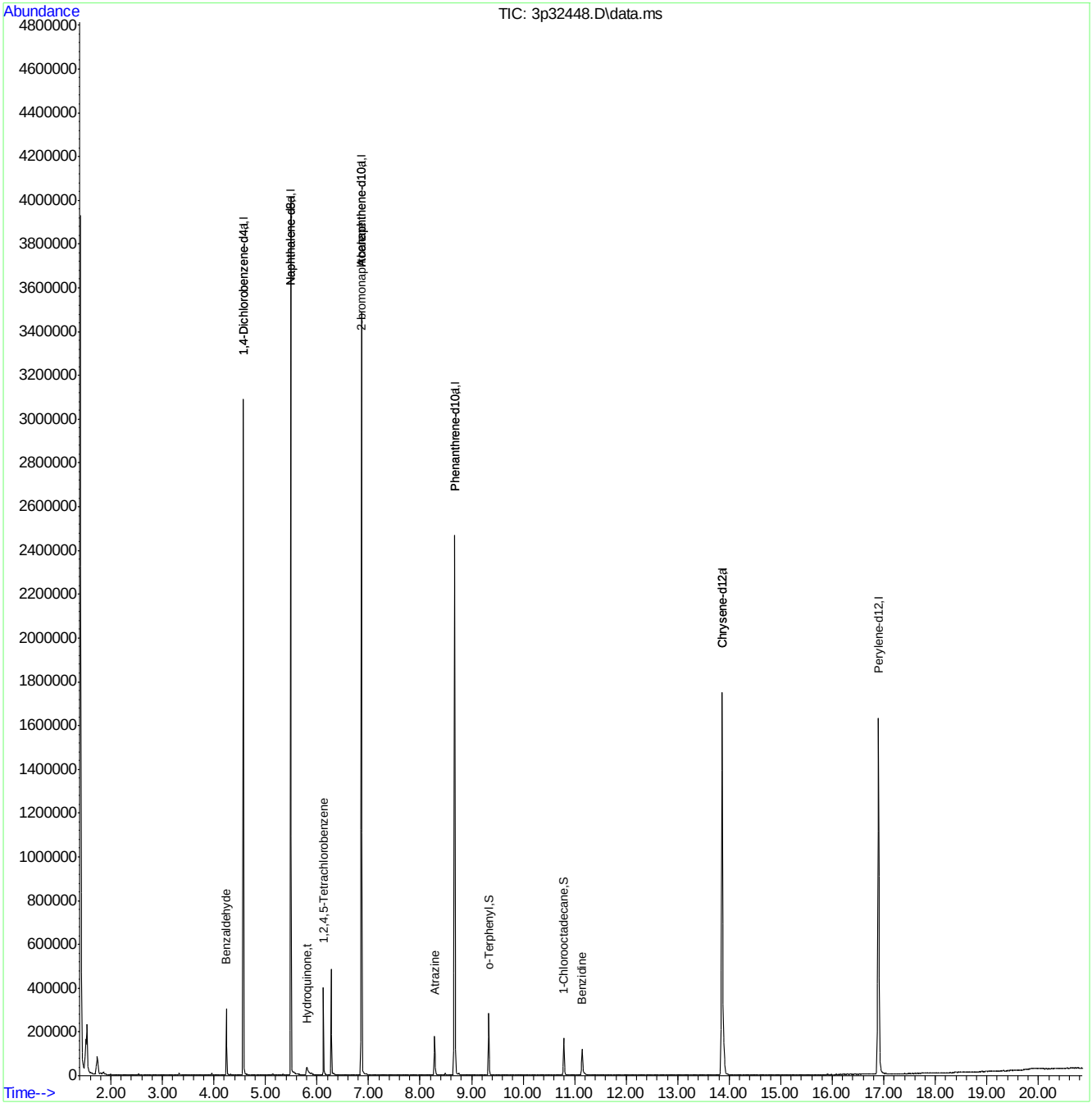
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	366697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1286977	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	692986	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1102760	40.00	ppb	0.00
83) Chrysene-d12	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



9.6.14

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

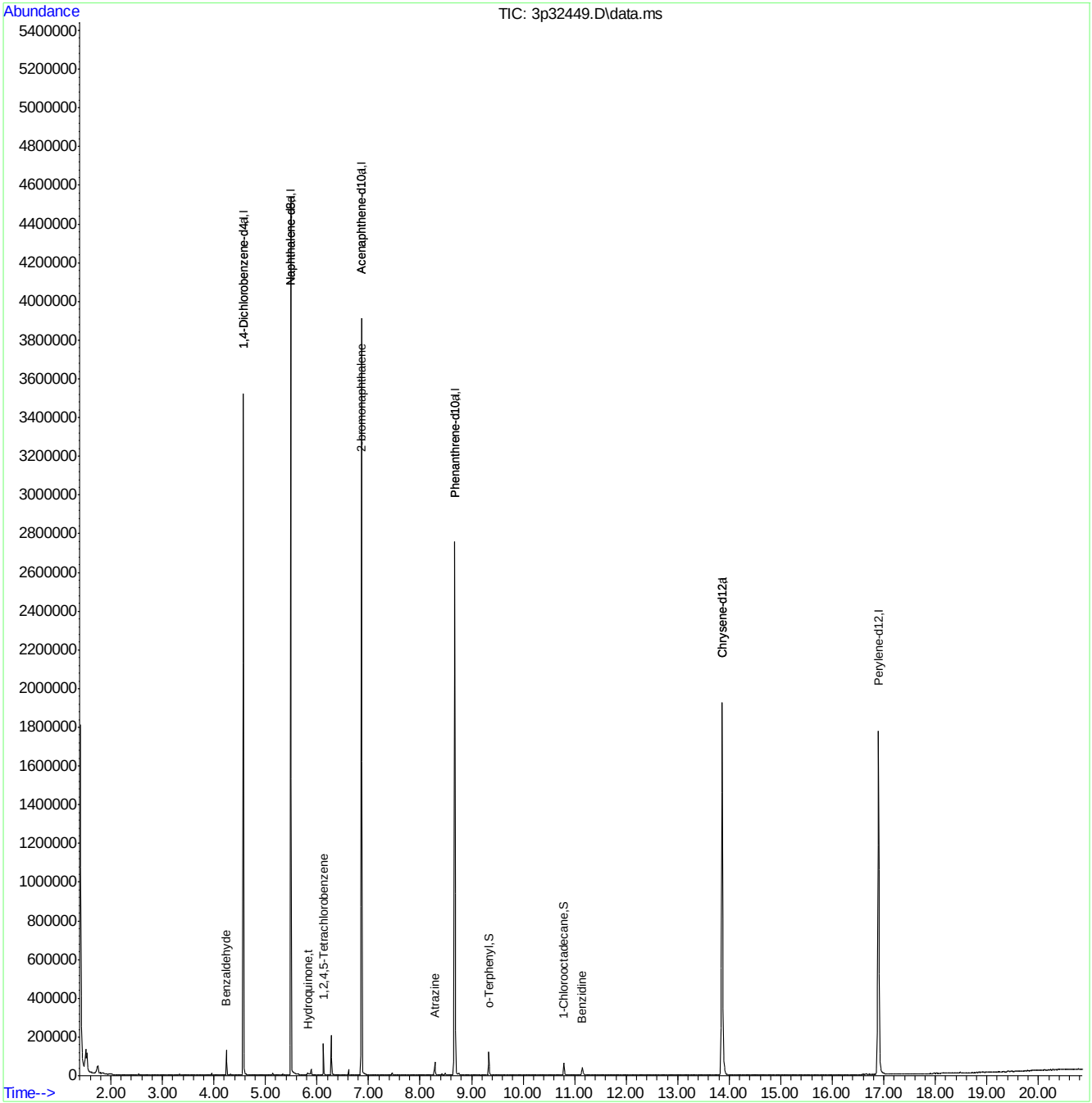
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	414057	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1414071	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	771325	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1229685	40.00	ppb	0.00
83) Chrysene-d12	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

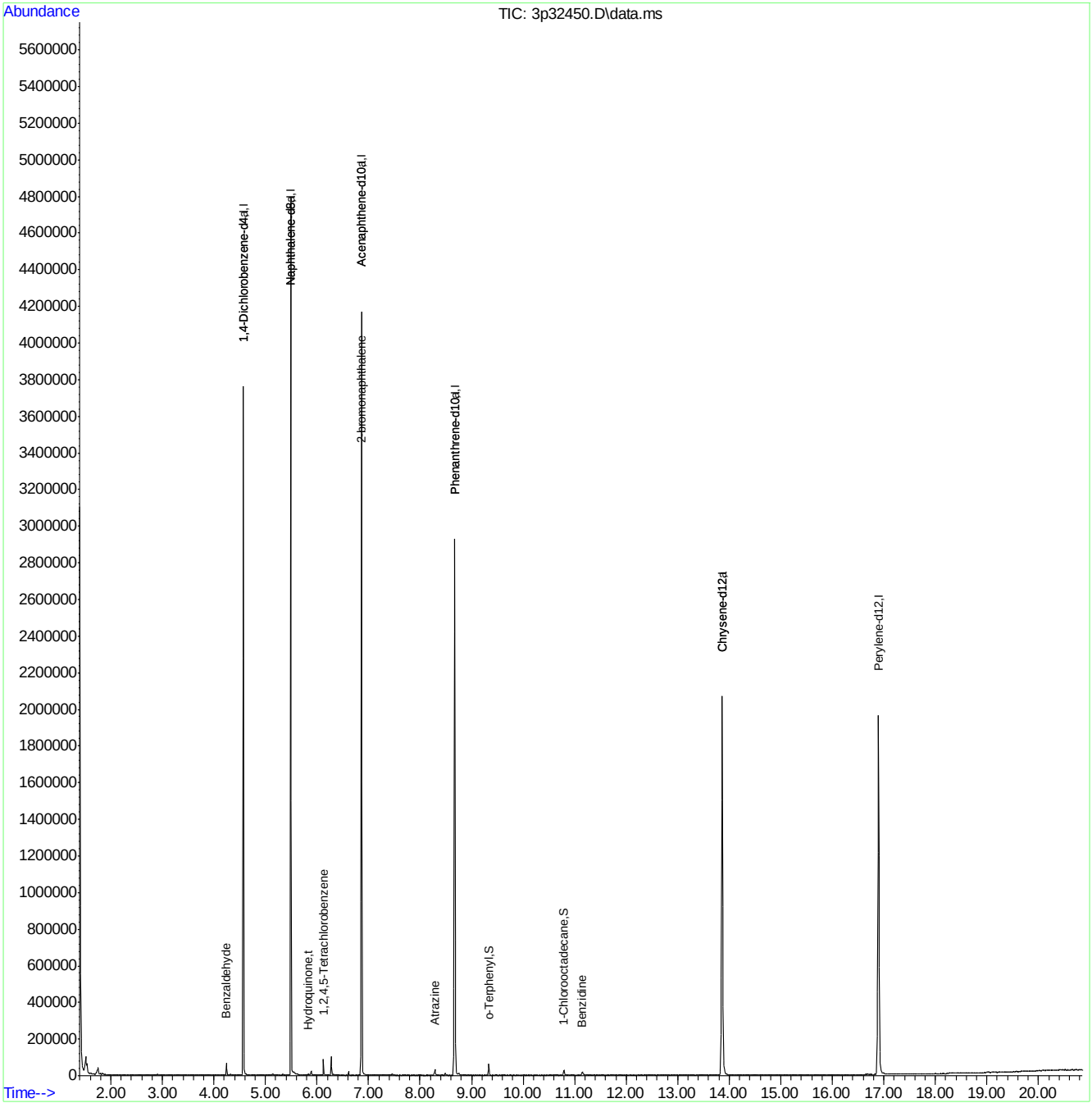
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	440650	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1500112	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	831072	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1297843	40.00	ppb	0.00
83) Chrysene-d12	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

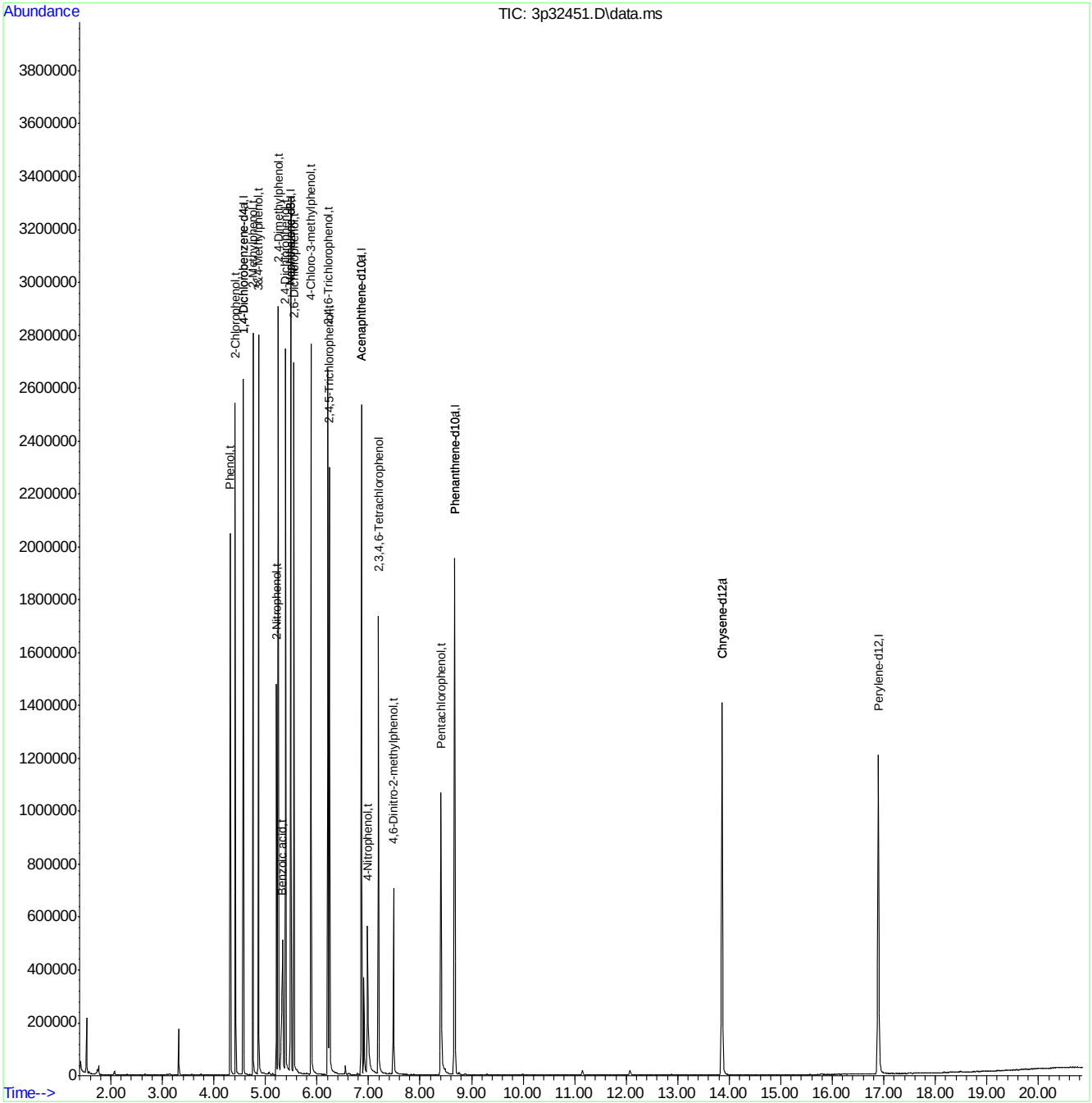
9.6.17

9

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

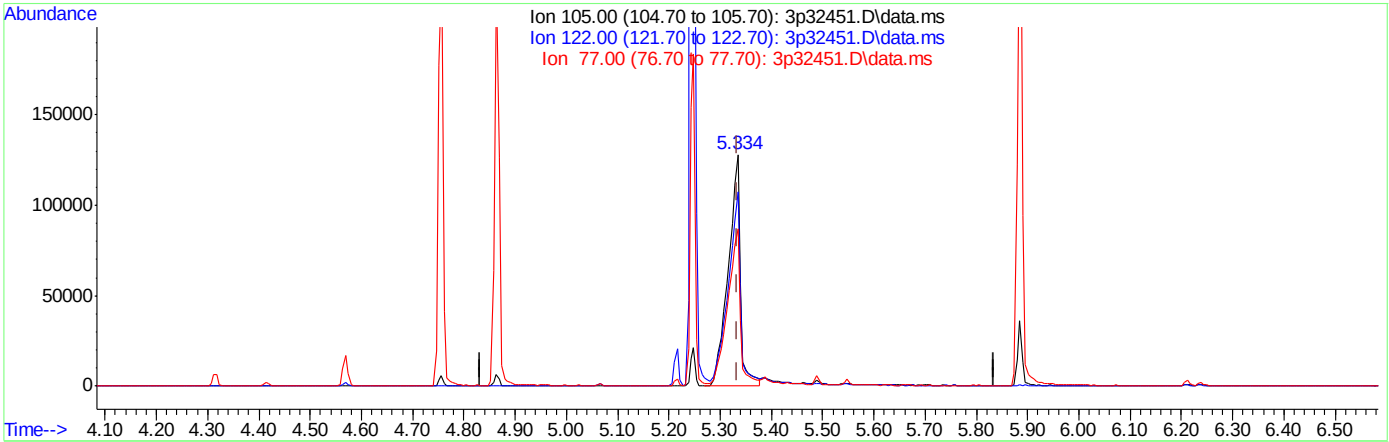
Sample Number:	E3P1390-ICV1389	**Method:**	SW846 8270D
Lab FileID:	3P32451.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:02	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

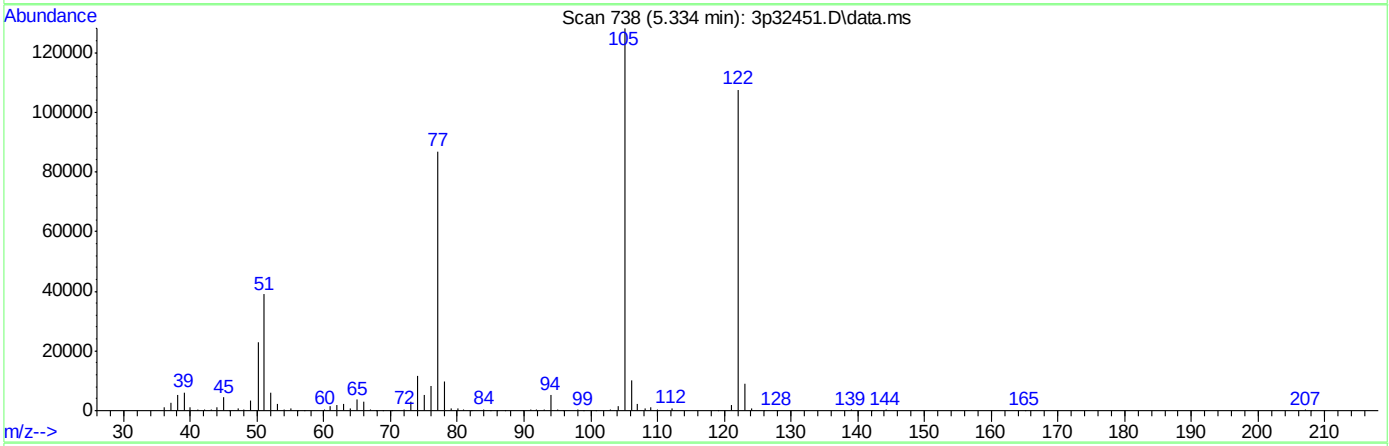
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.33	Split peak

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

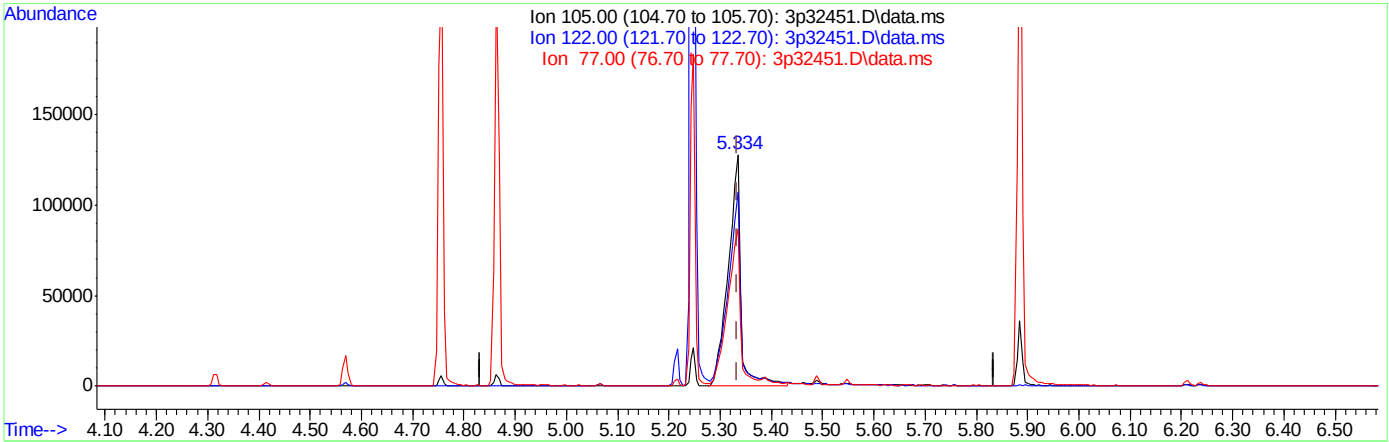
Ion	Exp%	Act%
105.00	100	100
122.00	85.80	81.87
77.00	70.30	67.15
0.00	0.00	0.00

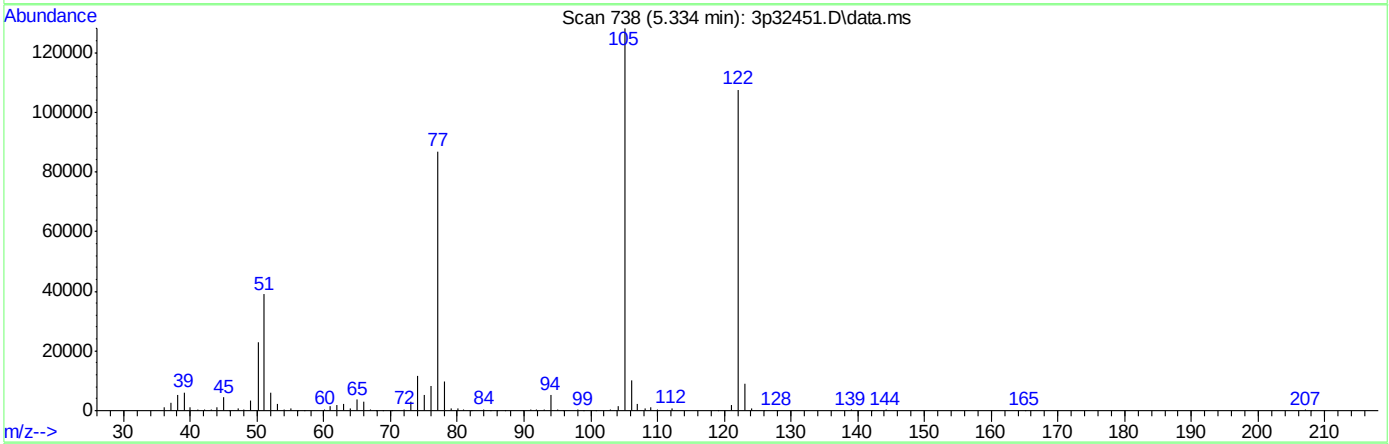
3P32451.D edits: Benzoic acid

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

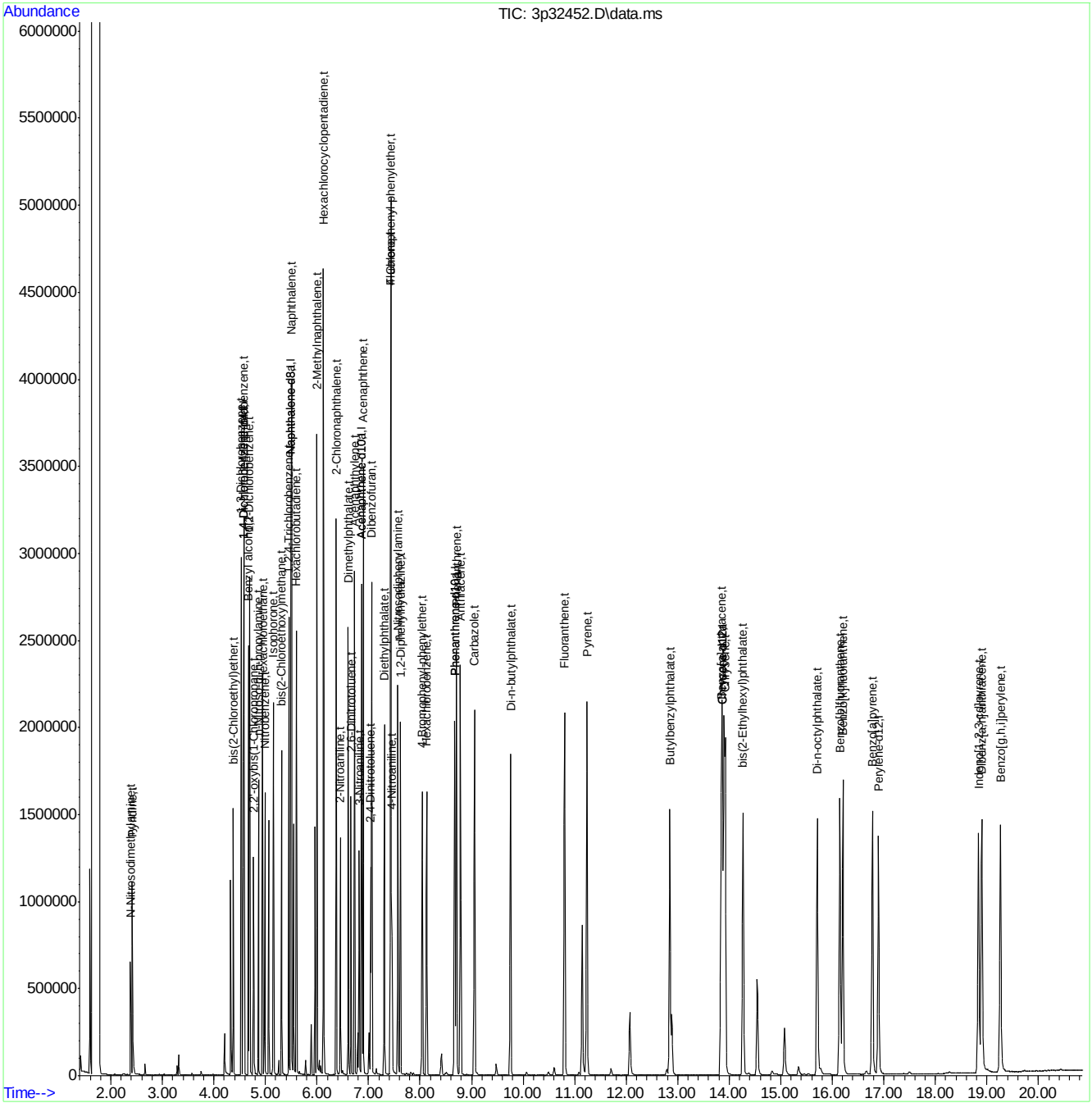
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 2-Chloronaphthalene	6.372	162	754335	44.72	ppb	94
54) 2-Nitroaniline	6.452	65	184175	45.78	ppb	91
55) Dimethylphthalate	6.607	163	838229	46.06	ppb	99
56) Acenaphthylene	6.730	152	1050520	38.69	ppb	100
57) 2,6-Dinitrotoluene	6.661	165	168759	45.31	ppb	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



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

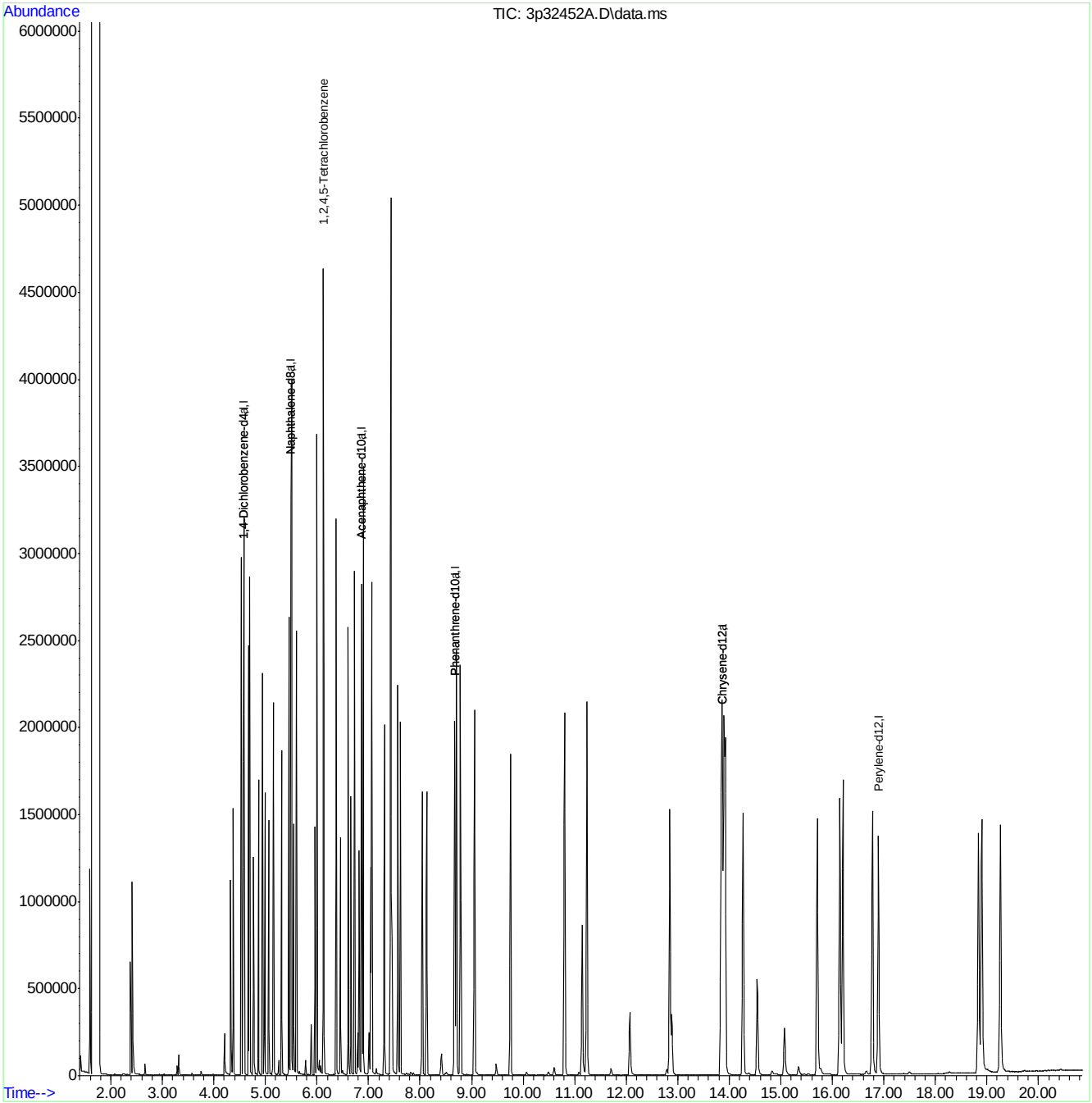
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	307848	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1028614	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	568685	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	927960	40.00	ppb	0.00
83) Chrysene-d12	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



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

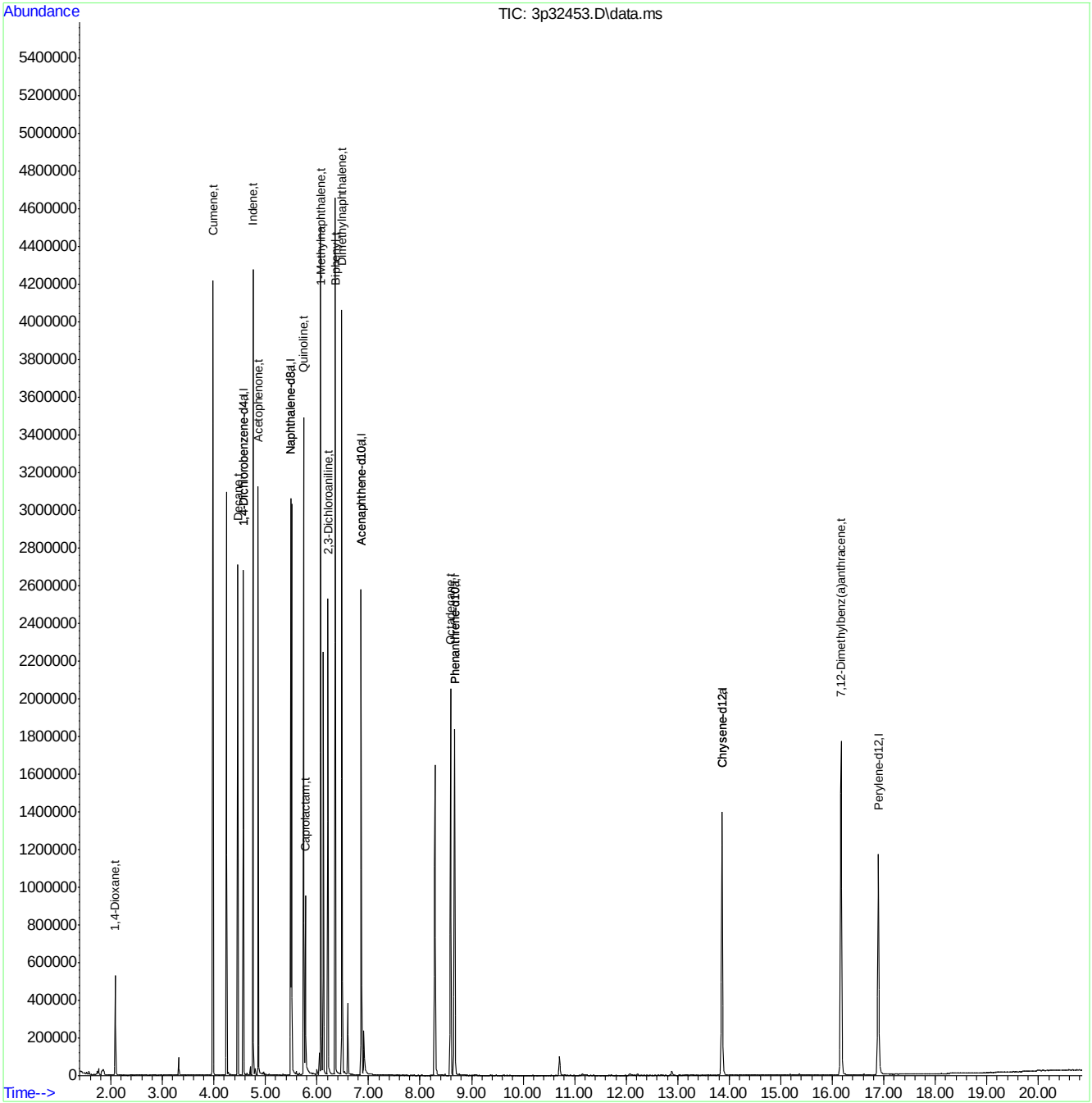
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	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

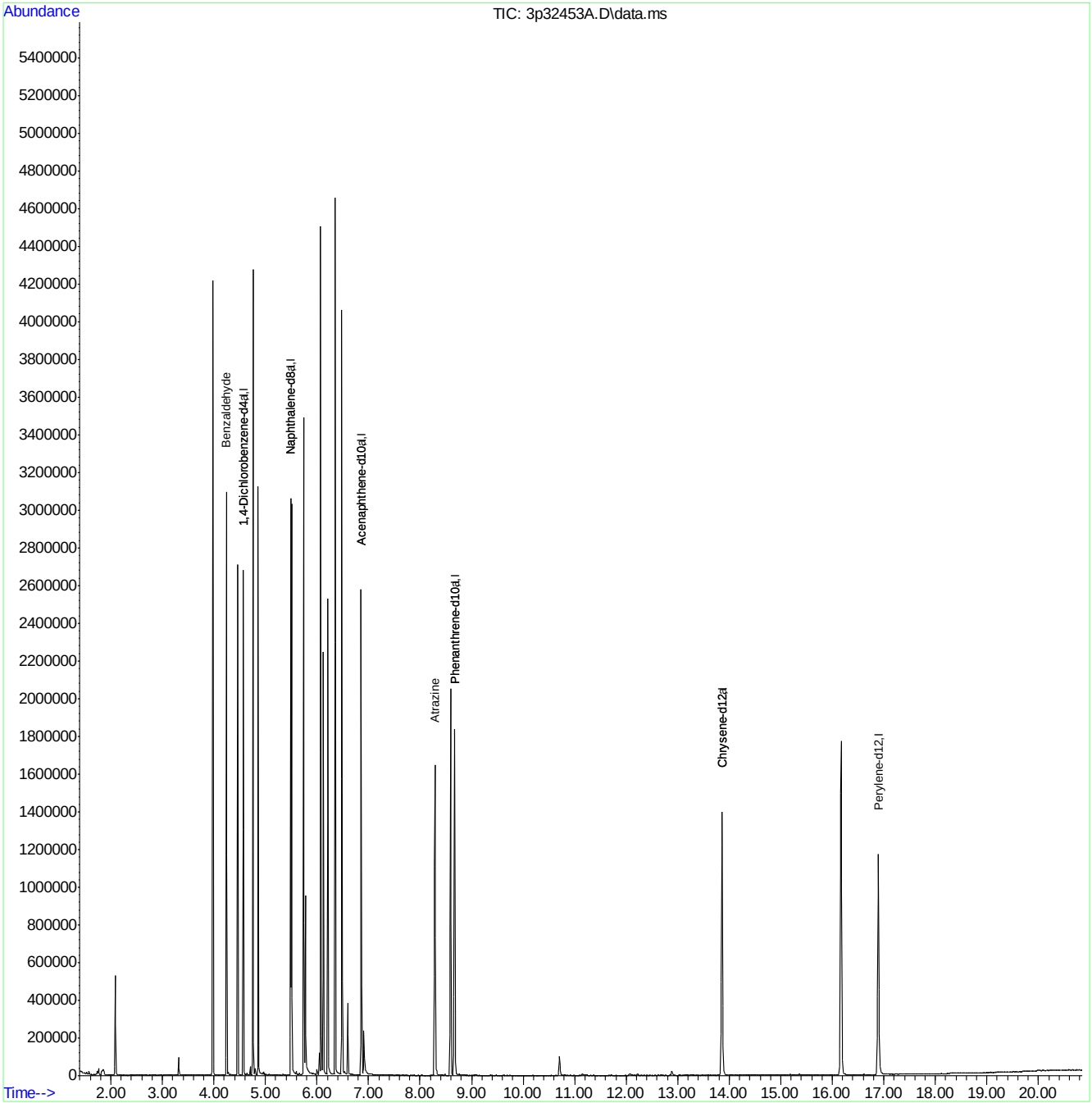
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	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

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

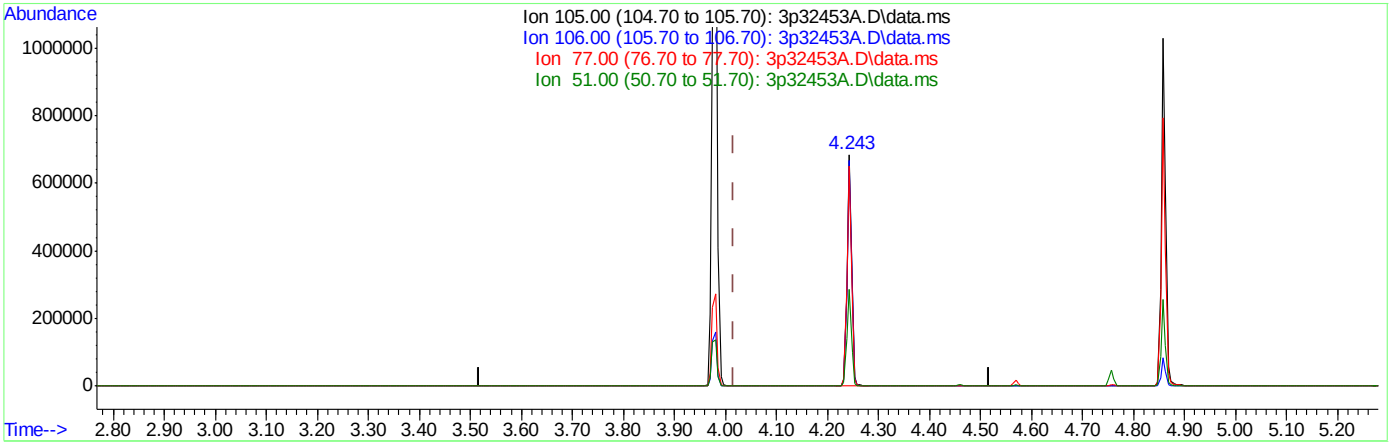
Sample Number:	E3P1390-ICV1390	**Method:**	SW846 8270D
Lab FileID:	3P32453A.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:53	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

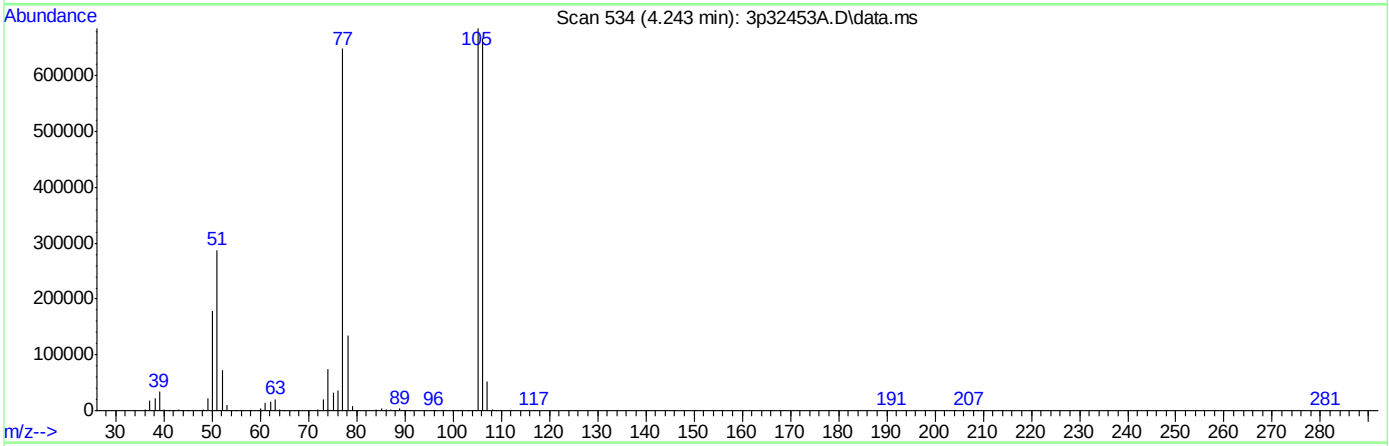
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzaldehyde	100-52-7		4.24	Poor instrument integration

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%			

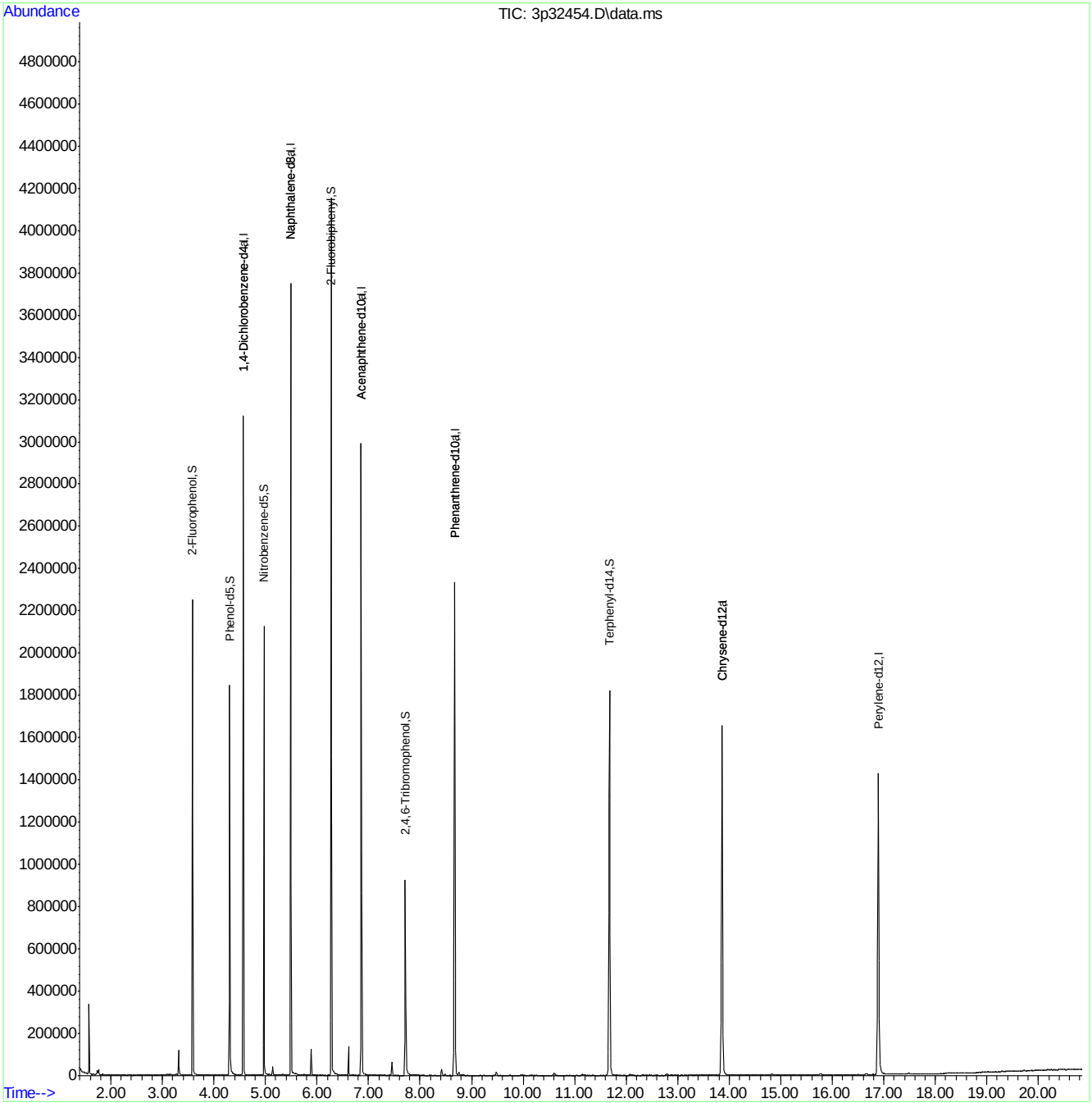
Target Compounds Qvalue

(#) = 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

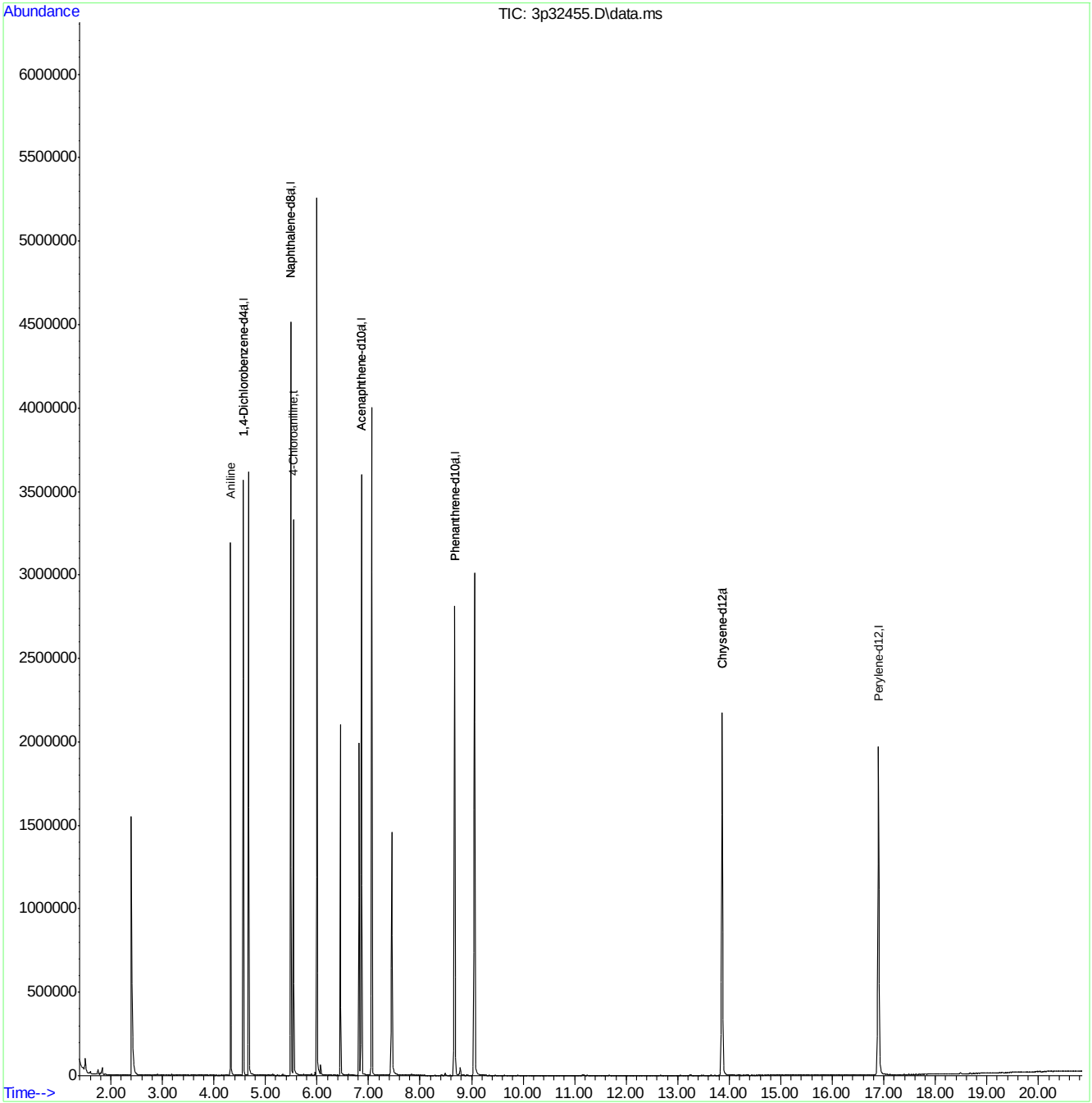
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	413956	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1412415	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	776563	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1253703	40.00	ppb	0.00
83) Chrysene-d12	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



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

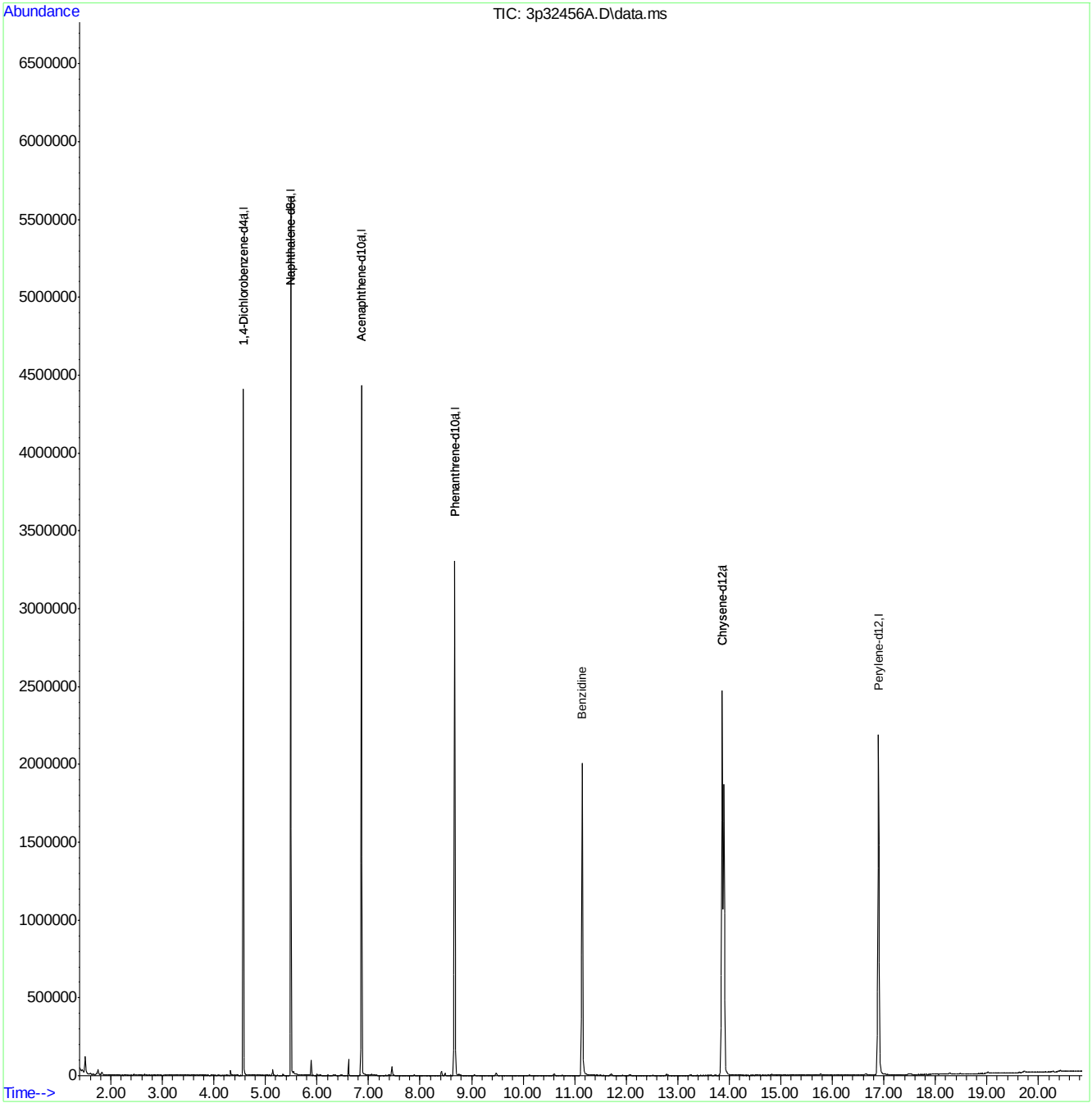
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	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

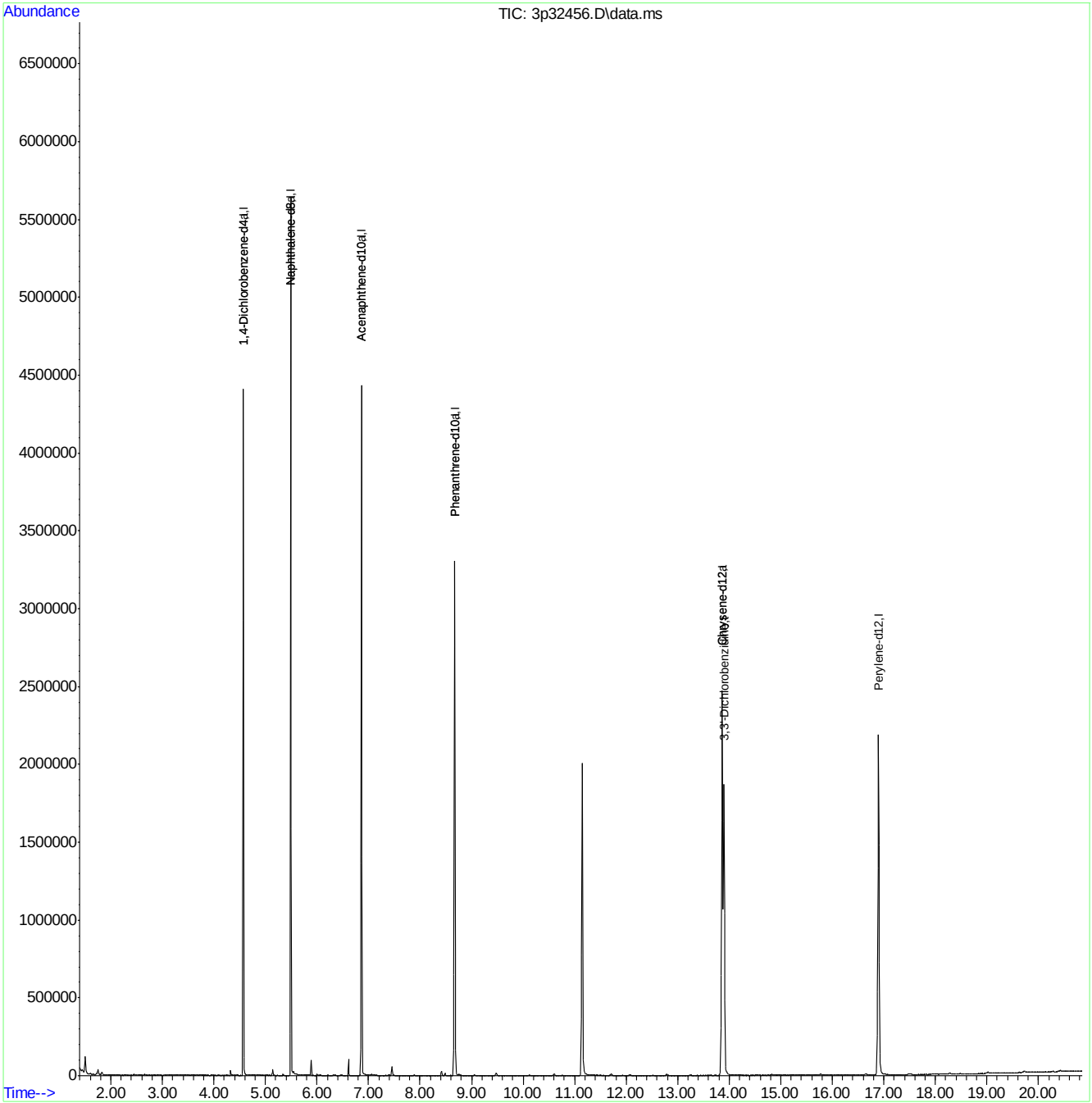
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	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

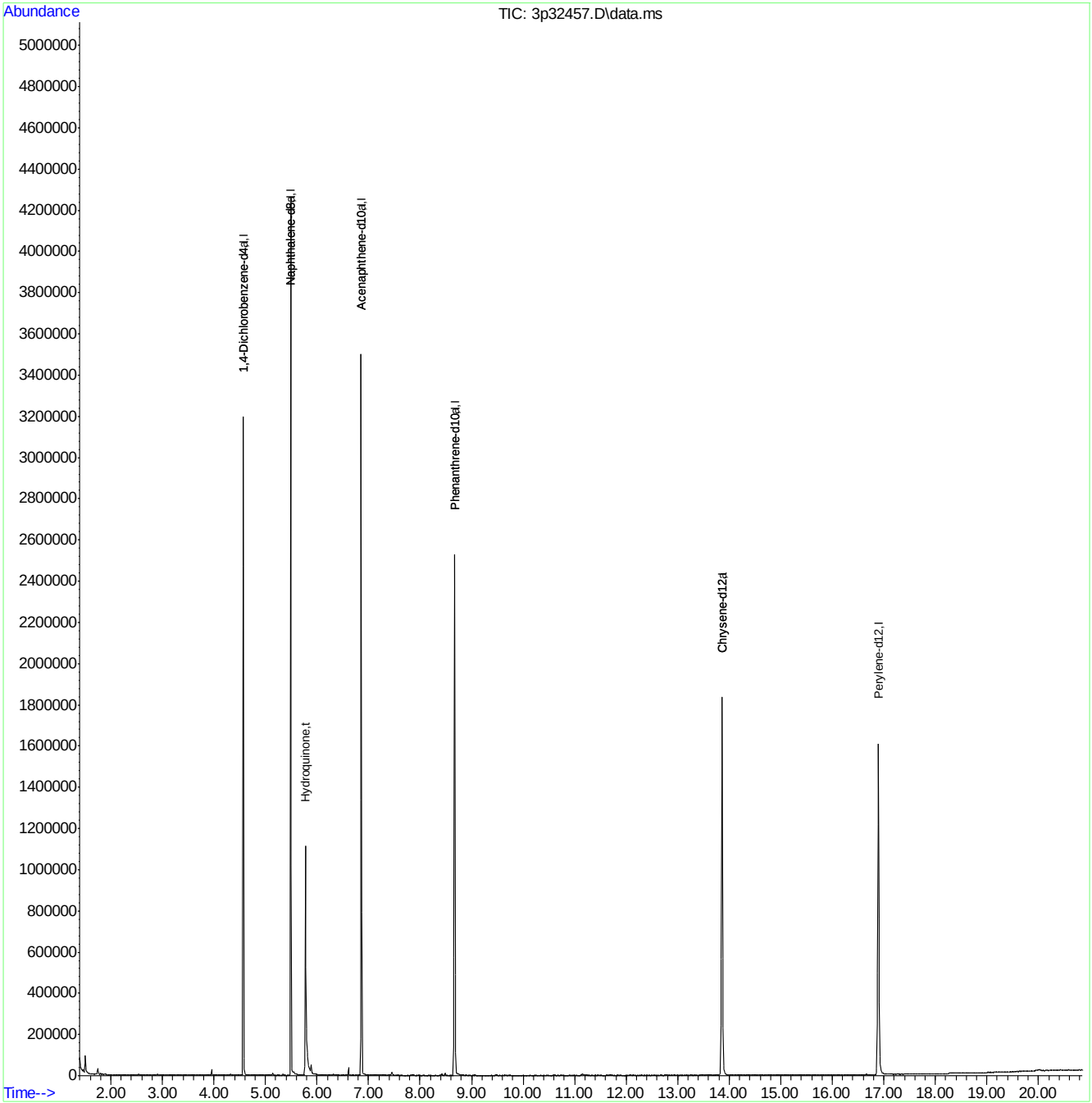
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	394573	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1376575	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	738863	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1159951	40.00	ppb	0.00
83) Chrysene-d12	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

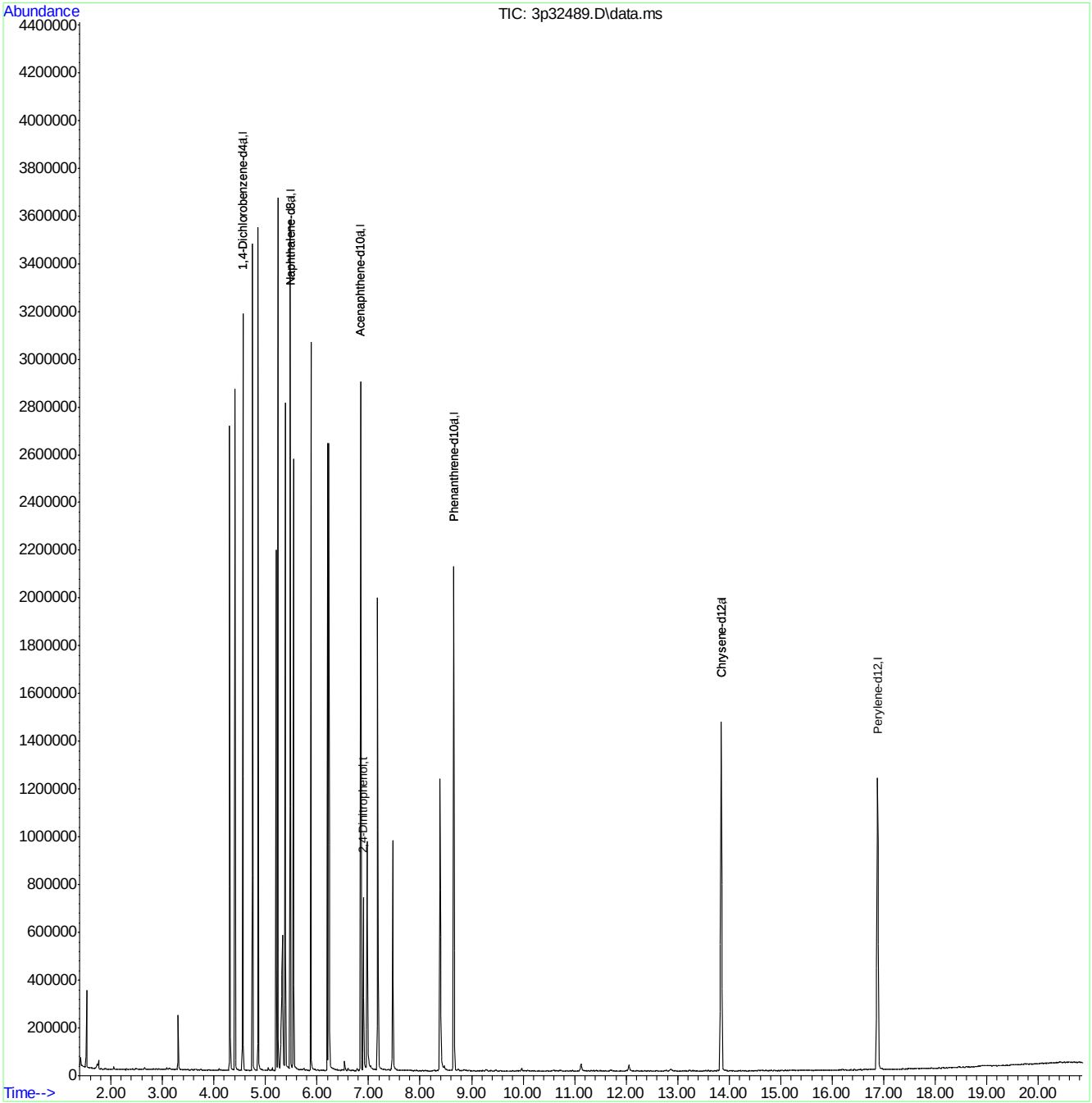
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.559	152	334262	40.00	ppb	-0.01
24) Naphthalene-d8	5.479	136	1081471	40.00	ppb	-0.01
47) Acenaphthene-d10	6.848	164	591879	40.00	ppb	-0.02
69) Phenanthrene-d10	8.656	188	907476	40.00	ppb	-0.02
83) Chrysene-d12	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\1394\
Data File : 3p32513.D
Acq On : 10 Jun 2014 10:10 am
Operator : samtap
Sample : cc1389-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 10:32:17 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	4.553	152	242281	40.00	ppb	-0.02
24) Naphthalene-d8	5.473	136	796150	40.00	ppb	-0.02
47) Acenaphthene-d10	6.837	164	431539	40.00	ppb	-0.03
69) Phenanthrene-d10	8.640	188	698091	40.00	ppb	-0.03
83) Chrysene-d12	13.822	240	686129	40.00	ppb	-0.05
91) Perylene-d12	16.850	264	606481	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.553	152	242281	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.837	164	431539	40.00	ppb	-0.03
107) Chrysene-d12a	13.822	240	686129	40.00	ppb	-0.05
109) Naphthalene-d8a	5.473	136	796150	40.00	ppb	-0.02
111) Phenanthrene-d10a	8.640	188	698091	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.569	112	394548	49.22	ppb	-0.02
Spiked Amount 50.000			Recovery = 98.44%			
8) Phenol-d5	4.297	99	449596	48.16	ppb	-0.01
Spiked Amount 50.000			Recovery = 96.32%			
25) Nitrobenzene-d5	4.954	82	320284	48.63	ppb	-0.02
Spiked Amount 50.000			Recovery = 97.26%			
51) 2-Fluorobiphenyl	6.254	172	642453	46.79	ppb	-0.02
Spiked Amount 50.000			Recovery = 93.58%			
73) 2,4,6-Tribromophenol	7.688	330	90534	51.04	ppb	-0.03
Spiked Amount 50.000			Recovery = 102.08%			
85) Terphenyl-d14	11.635	244	658257	48.78	ppb	-0.04
Spiked Amount 50.000			Recovery = 97.56%			
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	2.050	88	167159	46.06	ppb	98
3) Pyridine	2.382	79	407749	45.18	ppb	96
4) N-Nitrosodimethylamine	2.350	42	164808	50.36	ppb	97
6) Indene	4.740	116	588399	41.86	ppb	98
7) Cumene	3.960	105	953316	44.53	ppb	99
9) Phenol	4.302	94	486568	46.71	ppb	90
10) Aniline	4.307	93	458030	43.98	ppb	58
11) bis(2-Chloroethyl)ether	4.361	93	311786	47.24	ppb	97
12) 2-Chlorophenol	4.398	128	403119	46.03	ppb	92
13) Decane	4.441	43	264171	43.67	ppb	95
14) 1,3-Dichlorobenzene	4.511	146	464981	46.34	ppb	99
15) 1,4-Dichlorobenzene	4.564	146	469808	47.11	ppb	100
16) Benzyl alcohol	4.655	108	227275	47.21	ppb	97
17) 1,2-Dichlorobenzene	4.676	146	429121	46.40	ppb	97
18) Acetophenone	4.842	105	457550	41.86	ppb	91
19) 2-Methylphenol	4.746	108	290696	45.70	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.751	45	298356	45.66	ppb	95
21) 3&4-Methylphenol	4.853	108	311657	47.06	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32513.D
Acq On : 10 Jun 2014 10:10 am
Operator : samtap
Sample : cc1389-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 10:32:17 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)
22) n-Nitroso-di-n-propyla...	4.847	70	199009	46.88	ppb	98
23) Hexachloroethane	4.922	201	150044	47.25	ppb	89
26) Nitrobenzene	4.965	77	328547	47.52	ppb	95
27) Quinoline	5.725	129	640304	41.49	ppb	99
28) Isophorone	5.142	82	536170	45.88	ppb	98
29) 2-Nitrophenol	5.200	139	200803	51.11	ppb	90
30) 2,4-Dimethylphenol	5.233	107	295203	53.28	ppb	95
31) Benzoic acid	5.313	105	211271	48.03	ppb	97
32) bis(2-Chloroethoxy)met...	5.297	93	318278	45.17	ppb	99
33) 2,4-Dichlorophenol	5.377	162	297198	47.07	ppb	98
34) 2,6-Dichlorophenol	5.532	162	282739	47.16	ppb	95
35) 1,3,5-Trichlorobenzene	5.206	180	349467	42.21	ppb	98
36) 1,2,4-Trichlorobenzene	5.430	180	324197	45.71	ppb	98
37) 1,2,3-Trichlorobenzene	5.591	180	313256	42.01	ppb	98
38) Naphthalene	5.489	128	960622	46.50	ppb	99
39) 4-Chloroaniline	5.527	127	396208	45.83	ppb	99
40) 2,3-Dichloroaniline	6.190	161	350127	41.27	ppb	99
41) Caprolactam	5.783	113	96530	41.88	ppb	98
42) Hexachlorobutadiene	5.580	225	173624	46.51	ppb	99
43) 4-Chloro-3-methylphenol	5.874	107	274539	46.67	ppb	99
44) 2-Methylnaphthalene	5.981	141	572103	46.06	ppb	99
45) 1-Methylnaphthalene	6.056	141	569456	41.69	ppb	98
46) Dimethylnaphthalene	6.463	156	562609	41.07	ppb	98
48) Hexachlorocyclopentadiene	6.104	237	379770	113.67	ppb	100
49) 2,4,6-Trichlorophenol	6.195	196	193475	48.73	ppb	99
50) 2,4,5-Trichlorophenol	6.227	196	205687	46.44	ppb	98
52) 2-Chloronaphthalene	6.350	162	599333	46.82	ppb	95
53) Biphenyl	6.334	154	779890	42.90	ppb	99
54) 2-Nitroaniline	6.436	65	154851	50.72	ppb	96
55) Dimethylphthalate	6.586	163	616204	44.62	ppb	99
56) Acenaphthylene	6.709	152	956173	46.40	ppb	99
57) 2,6-Dinitrotoluene	6.639	165	153323	54.24	ppb	92
58) 3-Nitroaniline	6.794	138	180614	48.98	ppb	95
59) Acenaphthene	6.869	153	589209	47.13	ppb	98
60) 2,4-Dinitrophenol	6.891	184	159839	109.36	ppb	88
61) 4-Nitrophenol	6.966	109	87898	55.04	ppb	98
62) Dibenzofuran	7.040	168	802776	45.48	ppb	100
63) 2,4-Dinitrotoluene	7.019	165	199301	52.19	ppb	99
64) 2,3,4,6-Tetrachlorophenol	7.169	232	154109	48.51	ppb	99
65) Diethylphthalate	7.281	149	640580	45.87	ppb	98
66) Fluorene	7.404	166	655628	45.96	ppb	99
67) 4-Chlorophenyl-phenyle...	7.404	204	293317	46.32	ppb	97
68) 4-Nitroaniline	7.426	138	180990	48.29	ppb	96
70) 4,6-Dinitro-2-methylph...	7.463	198	106664	53.31	ppb	96
71) n-Nitrosodiphenylamine	7.543	169	432405	46.67	ppb	100
72) 1,2-Diphenylhydrazine	7.591	77	574579	46.95	ppb	97
74) 4-Bromophenyl-phenylether	8.008	248	172376	47.42	ppb	98
75) Hexachlorobenzene	8.094	284	196858	47.66	ppb	91
76) Pentachlorophenol	8.378	266	245895	97.48	ppb	99
77) Phenanthrene	8.677	178	929650	46.86	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32513.D
Acq On : 10 Jun 2014 10:10 am
Operator : samtap
Sample : cc1389-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 10:32:17 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)
78) Anthracene	8.752	178	929645	48.09	ppb	100
79) Carbazole	9.019	167	908211	42.26	ppb	100
80) Di-n-butylphthalate	9.720	149	1131924	47.49	ppb	99
81) Fluoranthene	10.763	202	1021601	46.89	ppb	100
82) Octadecane	8.559	57	336606	43.92	ppb	99
84) Pyrene	11.202	202	1076167	47.32	ppb	99
86) Butylbenzylphthalate	12.806	149	514767	48.39	ppb	100
87) Benzo[a]anthracene	13.806	228	900333	46.93	ppb	99
88) 3,3'-Dichlorobenzidine	13.855	252	334438	48.53	ppb	100
89) Chrysene	13.881	228	813517	47.99	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.224	149	670967	49.30	ppb	98
92) Di-n-octylphthalate	15.662	149	1188846	49.75	ppb	100
93) Benzo[b]fluoranthene	16.106	252	919482	49.06	ppb	99
94) Benzo[k]fluoranthene	16.171	252	892608	49.53	ppb	98
95) Benzo[a]pyrene	16.732	252	797552	48.53	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.791	276	816604	50.74	ppb	99
97) Dibenz(a,h)acridine	18.433	279	751109	45.57	ppb	99
98) Dibenz[a,h]anthracene	18.856	278	785400	48.80	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.133	256	416890	66.99	ppb	97
100) Benzo[g,h,i]perylene	19.219	276	811114	49.27	ppb	97

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

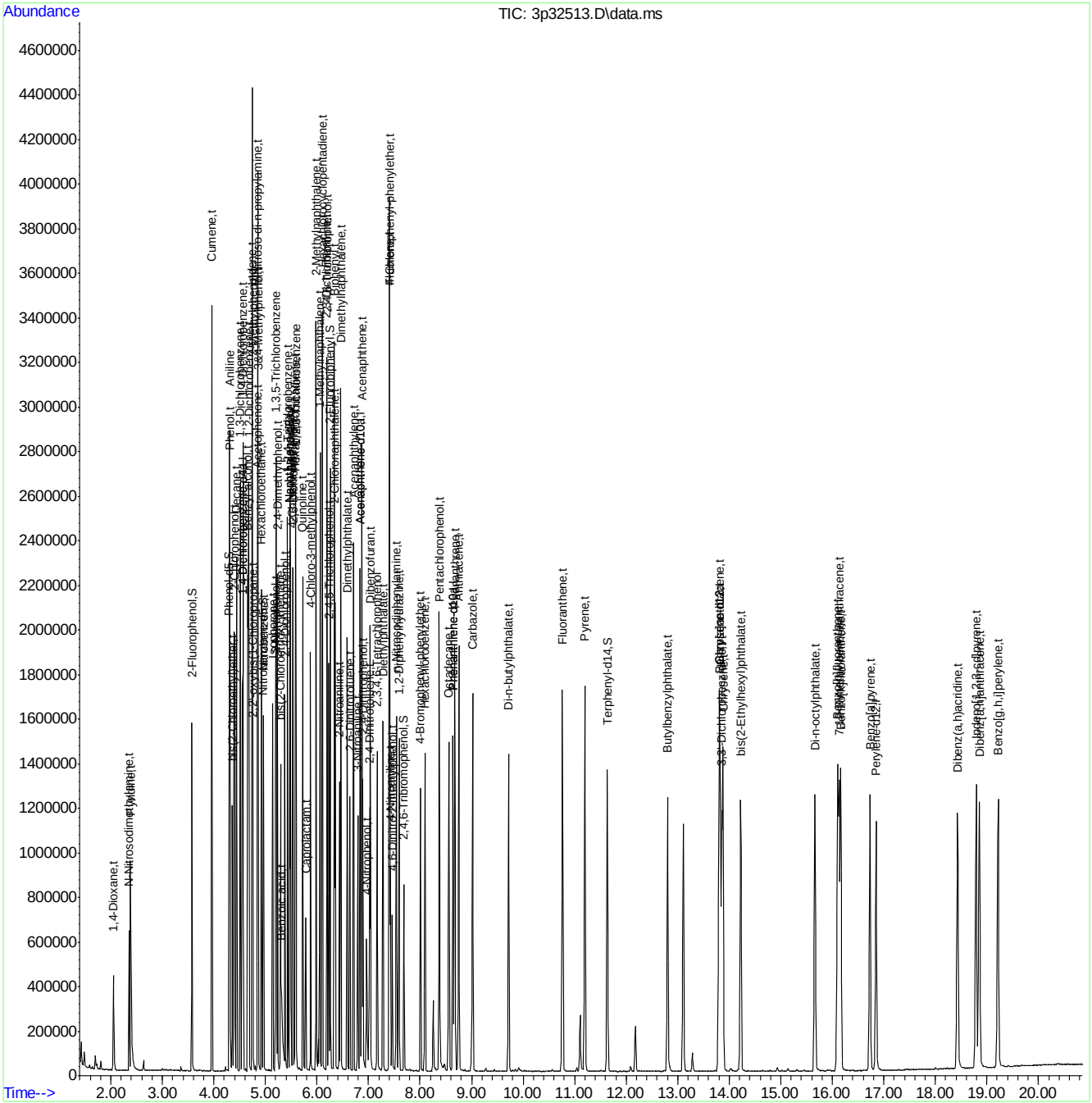
9.6.28

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32513.D
Acq On : 10 Jun 2014 10:10 am
Operator : samtap
Sample : cc1389-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 10:32:17 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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32514.D
Acq On : 10 Jun 2014 10:36 am
Operator : samtap
Sample : cc1390-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 10:59:21 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

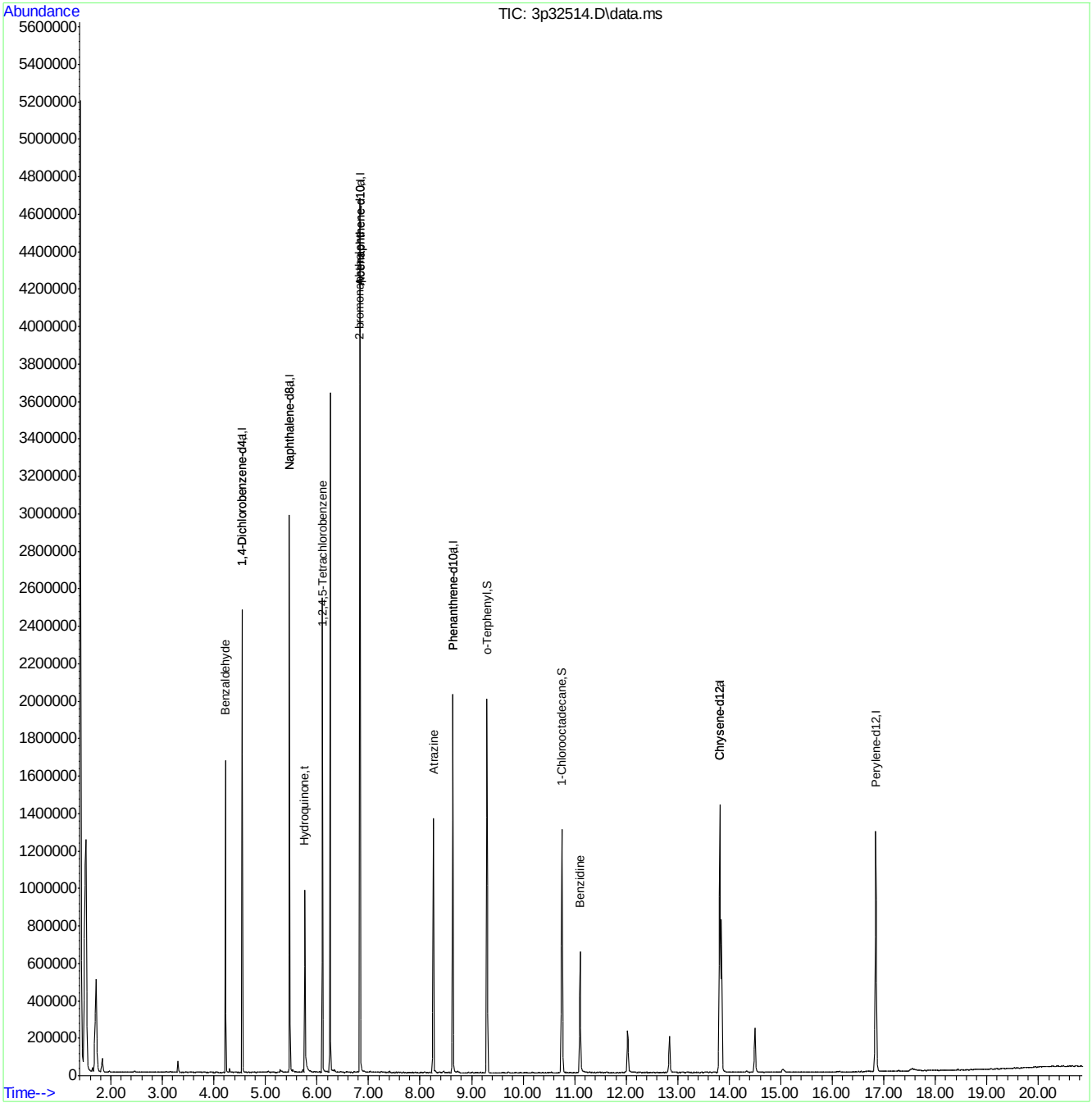
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.548	152	294076	40.00	ppb	-0.02
24) Naphthalene-d8	5.468	136	1043729	40.00	ppb	-0.02
47) Acenaphthene-d10	6.837	164	558124	40.00	ppb	-0.03
69) Phenanthrene-d10	8.634	188	879526	40.00	ppb	-0.04
83) Chrysene-d12	13.817	240	797430	40.00	ppb	-0.05
91) Perylene-d12	16.844	264	736747	40.00	ppb	-0.06
101) 1,4-Dichlorobenzene-d4a	4.548	152	294076	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.837	164	558124	40.00	ppb	-0.03
107) Chrysene-d12a	13.817	240	797430	40.00	ppb	-0.05
109) Naphthalene-d8a	5.468	136	1043729	40.00	ppb	-0.02
111) Phenanthrene-d10a	8.634	188	879526	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
112) o-Terphenyl	9.297	230	492497	44.29	ppb	-0.04
Spiked Amount 50.000			Recovery =	88.58%		
113) 1-Chlorooctadecane	10.752	57	245996	47.40	ppb	-0.04
Spiked Amount 50.000			Recovery =	94.80%		
Target Compounds						Qvalue
102) Benzaldehyde	4.227	105	281485	45.23	ppb	97
104) 2-bromonaphthalene	6.832	127	363514	43.97	ppb	99
105) Atrazine	8.260	215	100738	47.04	ppb	96
106) 1,2,4,5-Tetrachloroben...	6.110	216	367928	45.76	ppb	98
108) Benzidine	11.105	184	393692	38.68	ppb	98
110) Hydroquinone	5.762	110	366637	50.04	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1394\
Data File : 3p32514.D
Acq On : 10 Jun 2014 10:36 am
Operator : samtap
Sample : cc1390-50
Misc : op75312,e3p1394,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 10:59:21 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
06/16/14 10:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32725.D
Acq On : 15 Jun 2014 10:15 am
Operator : elwiraa
Sample : cc1389-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 08:15:02 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	4.521	152	315392	40.00	ppb		-0.05
24) Naphthalene-d8	5.446	136	1096951	40.00	ppb		-0.04
47) Acenaphthene-d10	6.810	164	619413	40.00	ppb		-0.05
69) Phenanthrene-d10	8.607	188	1042372	40.00	ppb		-0.06
83) Chrysene-d12	13.806	240	1044764	40.00	ppb		-0.06
91) Perylene-d12	16.839	264	930101	40.00	ppb		-0.06
101) 1,4-Dichlorobenzene-d4a	4.521	152	315392	40.00	ppb		-0.05
103) Acenaphthene-d10a	6.810	164	619413	40.00	ppb		-0.05
106) Chrysene-d12a	13.806	240	1044764	40.00	ppb		-0.06
108) Naphthalene-d8a	5.446	136	1096951	40.00	ppb		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.542	112	525853	50.39	ppb		-0.04
Spiked Amount 50.000			Recovery = 100.78%				
8) Phenol-d5	4.275	99	618772	50.92	ppb		-0.03
Spiked Amount 50.000			Recovery = 101.84%				
25) Nitrobenzene-d5	4.928	82	437484	48.21	ppb		-0.04
Spiked Amount 50.000			Recovery = 96.42%				
51) 2-Fluorobiphenyl	6.233	172	885756	44.94	ppb		-0.04
Spiked Amount 50.000			Recovery = 89.88%				
73) 2,4,6-Tribromophenol	7.661	330	132393	49.99	ppb		-0.06
Spiked Amount 50.000			Recovery = 99.98%				
85) Terphenyl-d14	11.603	244	1040637	50.65	ppb		-0.07
Spiked Amount 50.000			Recovery = 101.30%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.991	88	200224	42.38	ppb		96
3) Pyridine	2.339	79	523584	44.56	ppb		92
4) N-Nitrosodimethylamine	2.301	42	217067	50.95	ppb		94
6) Indene	4.708	116	798766	43.65	ppb		99
7) Cumene	3.922	105	1203026	43.16	ppb		99
9) Phenol	4.280	94	669617	49.39	ppb		75
10) Aniline	4.280	93	575434	42.45	ppb	#	36
11) bis(2-Chloroethyl)ether	4.328	93	431974	50.28	ppb		97
12) 2-Chlorophenol	4.371	128	547687	48.04	ppb		95
13) Decane	4.409	43	402939	51.17	ppb		90
14) 1,3-Dichlorobenzene	4.478	146	597078	45.71	ppb		100
15) 1,4-Dichlorobenzene	4.532	146	588716	45.35	ppb		99
16) Benzyl alcohol	4.628	108	312117	49.80	ppb		96
17) 1,2-Dichlorobenzene	4.644	146	545593	45.32	ppb		98
18) Acetophenone	4.815	105	621627	43.69	ppb		90
19) 2-Methylphenol	4.719	108	404509	48.86	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.724	45	469023	55.14	ppb		74
21) 3&4-Methylphenol	4.831	108	425302	49.33	ppb		97
22) n-Nitroso-di-n-propyla...	4.821	70	271249	49.08	ppb		97
23) Hexachloroethane	4.890	201	184874	44.72	ppb	#	80
26) Nitrobenzene	4.938	77	453013	47.55	ppb		96
27) Quinoline	5.703	129	916233	43.09	ppb		99
28) Isophorone	5.115	82	763711	47.43	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32725.D
Acq On : 15 Jun 2014 10:15 am
Operator : elwiraa
Sample : cc1389-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 08:15:02 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	5.174	139	290466	53.66	ppb		91
30) 2,4-Dimethylphenol	5.211	107	406426	53.23	ppb		99
31) Benzoic acid	5.313	105	339138	55.96	ppb		99
32) bis(2-Chloroethoxy)met...	5.270	93	481069	49.55	ppb		100
33) 2,4-Dichlorophenol	5.350	162	403746	46.41	ppb		96
34) 2,6-Dichlorophenol	5.511	162	383749	46.45	ppb		99
35) 1,3,5-Trichlorobenzene	5.179	180	463541	40.64	ppb		98
36) 1,2,4-Trichlorobenzene	5.404	180	430771	44.09	ppb		99
37) 1,2,3-Trichlorobenzene	5.564	180	424779	41.35	ppb		98
38) Naphthalene	5.462	128	1304120	45.82	ppb		99
39) 4-Chloroaniline	5.500	127	532799	44.73	ppb		99
40) 2,3-Dichloroaniline	6.168	161	493508	42.22	ppb		99
41) Caprolactam	5.773	113	148629	46.80	ppb		98
42) Hexachlorobutadiene	5.553	225	212857	41.39	ppb		99
43) 4-Chloro-3-methylphenol	5.858	107	384033m	47.38	ppb		
44) 2-Methylnaphthalene	5.954	141	797856	46.63	ppb		99
45) 1-Methylnaphthalene	6.029	141	795243	42.25	ppb		97
46) Dimethylnaphthalene	6.441	156	817465	43.31	ppb		98
48) Hexachlorocyclopentadiene	6.077	237	469430	97.89	ppb		100
49) 2,4,6-Trichlorophenol	6.174	196	280024	49.13	ppb		99
50) 2,4,5-Trichlorophenol	6.211	196	297632	46.82	ppb		99
52) 2-Chloronaphthalene	6.329	162	857787	46.69	ppb		98
53) Biphenyl	6.313	154	1099259	42.12	ppb		99
54) 2-Nitroaniline	6.414	65	238461	54.42	ppb		100
55) Dimethylphthalate	6.559	163	912234	46.02	ppb		99
56) Acenaphthylene	6.682	152	1377518	46.58	ppb		99
57) 2,6-Dinitrotoluene	6.618	165	225969	55.70	ppb		87
58) 3-Nitroaniline	6.773	138	277563	52.44	ppb		96
59) Acenaphthene	6.842	153	842752	46.96	ppb		99
60) 2,4-Dinitrophenol	6.874	184	230147	109.60	ppb	#	78
61) 4-Nitrophenol	6.955	109	121839	53.15	ppb	#	81
62) Dibenzofuran	7.013	168	1164440	45.96	ppb		97
63) 2,4-Dinitrotoluene	6.997	165	321034	58.57	ppb		93
64) 2,3,4,6-Tetrachlorophenol	7.147	232	233106	51.12	ppb		99
65) Diethylphthalate	7.254	149	980887	48.94	ppb		100
66) Fluorene	7.377	166	981624	47.94	ppb		99
67) 4-Chlorophenyl-phenyle...	7.372	204	427231	47.00	ppb		98
68) 4-Nitroaniline	7.409	138	272298	50.61	ppb		94
70) 4,6-Dinitro-2-methylph...	7.447	198	163566	54.47	ppb		93
71) n-Nitrosodiphenylamine	7.516	169	661529	47.82	ppb		100
72) 1,2-Diphenylhydrazine	7.559	77	885357	48.45	ppb		94
74) 4-Bromophenyl-phenylether	7.982	248	254054	46.81	ppb		92
75) Hexachlorobenzene	8.067	284	289362	46.92	ppb		91
76) Pentachlorophenol	8.356	266	316818	84.12	ppb		99
77) Phenanthrene	8.645	178	1382742	46.68	ppb		99
78) Anthracene	8.725	178	1363055	47.22	ppb		99
79) Carbazole	8.998	167	1398576	43.58	ppb		99
80) Di-n-butylphthalate	9.682	149	1827863	51.36	ppb		99
81) Fluoranthene	10.736	202	1602218	49.25	ppb		97
82) Octadecane	8.522	57	584009	51.03	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32725.D
Acq On : 15 Jun 2014 10:15 am
Operator : elwiraa
Sample : cc1389-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 08:15:02 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)
84) Pyrene	11.175	202	1704543	49.22	ppb	99
86) Butylbenzylphthalate	12.769	149	870242	53.72	ppb	99
87) Benzo[a]anthracene	13.785	228	1437703	49.21	ppb	100
88) 3,3'-Dichlorobenzidine	13.828	252	540121	51.47	ppb	98
89) Chrysene	13.860	228	1239917	48.04	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.181	149	1156686	55.81	ppb	99
92) Di-n-octylphthalate	15.625	149	2116898	57.77	ppb	99
93) Benzo[b]fluoranthene	16.090	252	1457921	50.72	ppb	98
94) Benzo[k]fluoranthene	16.160	252	1331372	48.17	ppb	98
95) Benzo[a]pyrene	16.721	252	1241814	49.28	ppb	97
96) Indeno[1,2,3-cd]pyrene	18.786	276	1197252	48.51	ppb	92
97) Dibenz(a,h)acridine	18.422	279	1118399	44.24	ppb	98
98) Dibenz[a,h]anthracene	18.845	278	1144864	46.39	ppb	96
99) 7,12-Dimethylbenz(a)an...	16.117	256	643252	67.40	ppb	99
100) Benzo[g,h,i]perylene	19.214	276	1165181	46.15	ppb	96

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

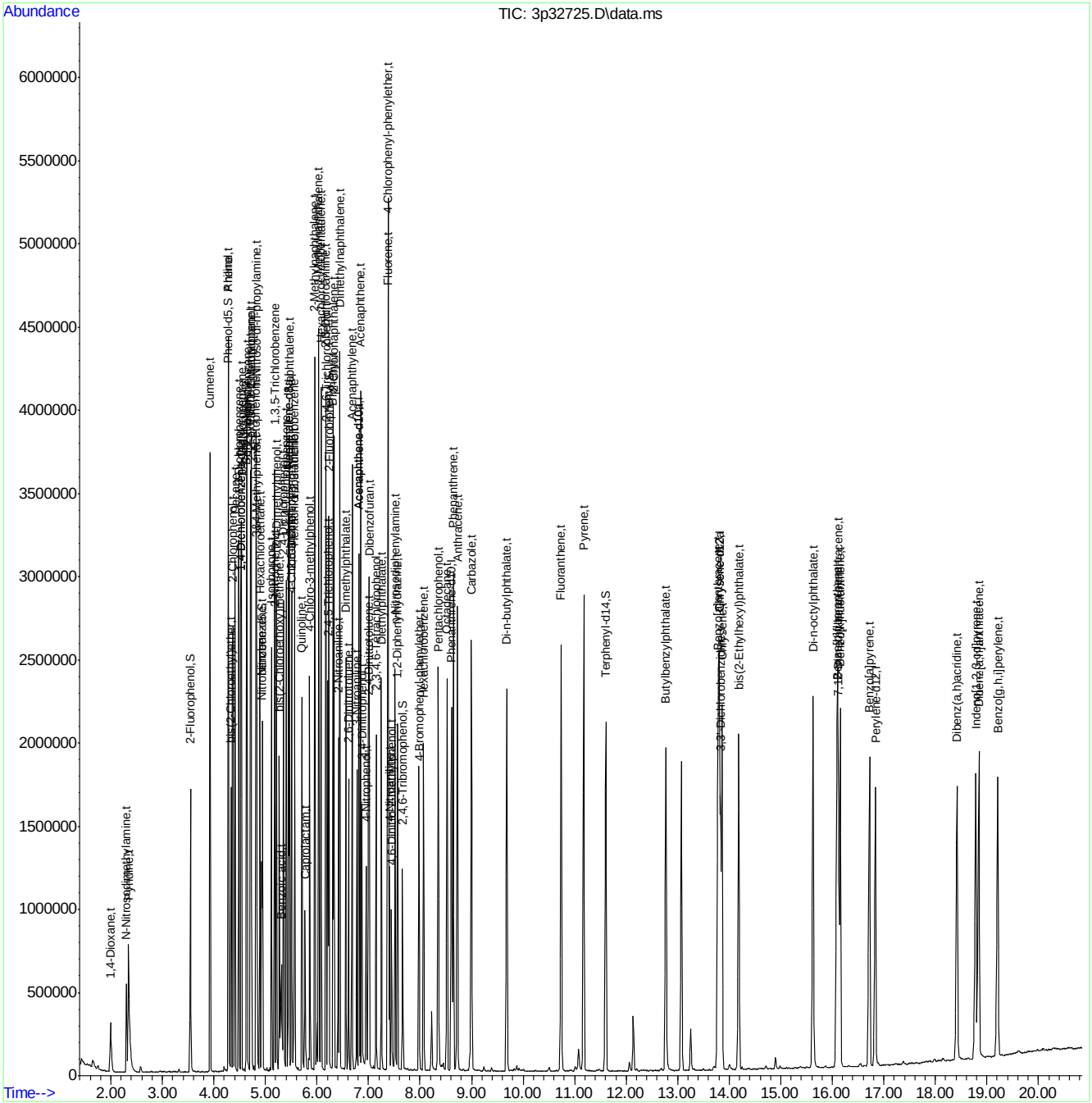
9.6.30

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32725.D
Acq On : 15 Jun 2014 10:15 am
Operator : elwiraa
Sample : cc1389-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 08:15:02 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:	E3P1402-CC1389	**Method:**	SW846 8270D
Lab FileID:	3P32725.D	**Analyst approved:**	06/16/14 09:45 Kristi Schollenberger
Injection Time:	06/15/14 10:15	**Supervisor approved:**	06/16/14 10:31 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		5.86	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32726.D
Acq On : 15 Jun 2014 11:01 am
Operator : elwiraa
Sample : cc1390-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 08:19:46 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

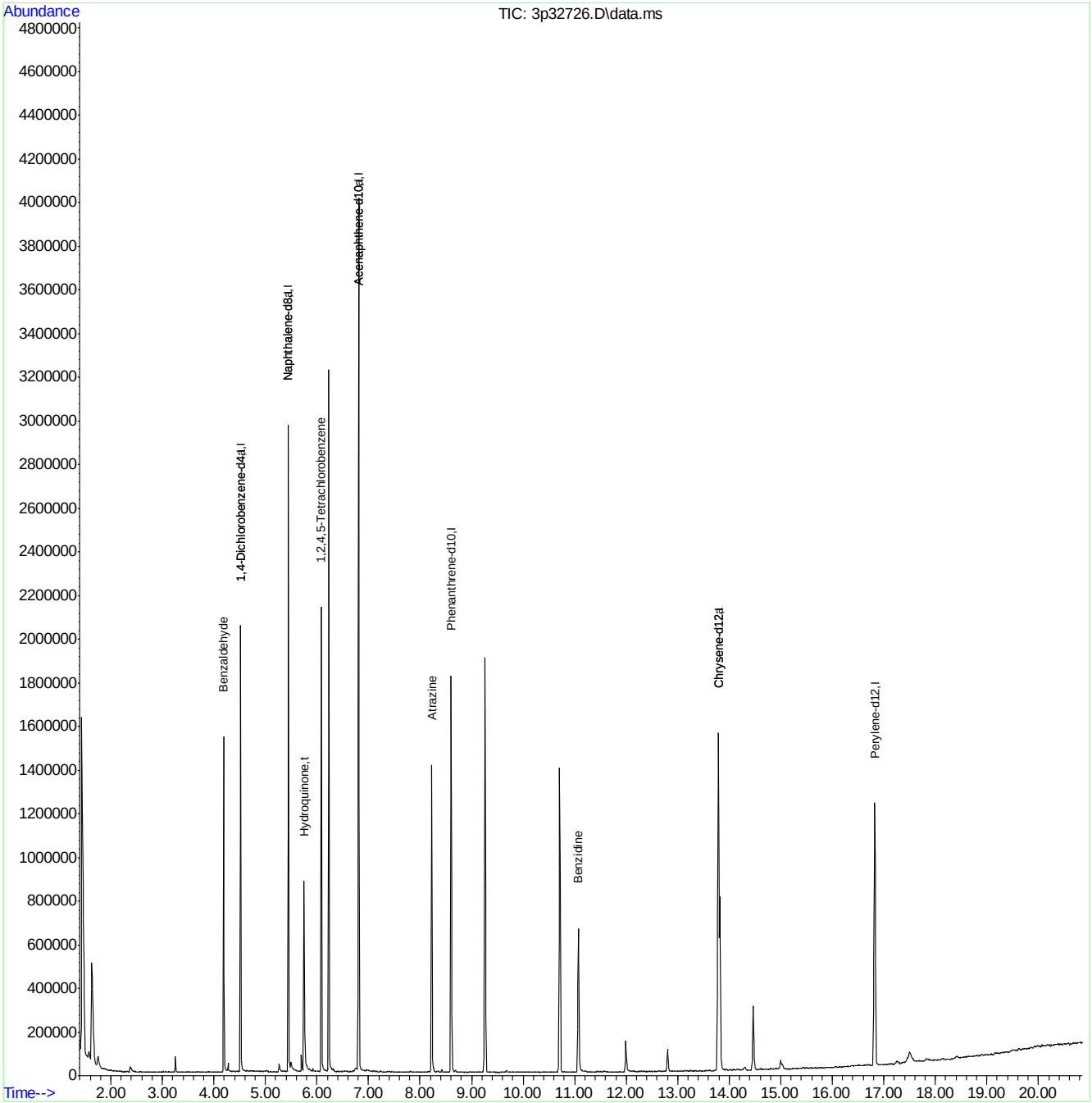
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.516	152	251956	40.00	ppb	-0.05
24) Naphthalene-d8	5.441	136	959317	40.00	ppb	-0.05
47) Acenaphthene-d10	6.810	164	524779	40.00	ppb	-0.05
69) Phenanthrene-d10	8.602	188	841777	40.00	ppb	-0.07
83) Chrysene-d12	13.790	240	802779	40.00	ppb	-0.08
91) Perylene-d12	16.823	264	699906	40.00	ppb	-0.08
101) 1,4-Dichlorobenzene-d4a	4.516	152	251956	40.00	ppb	-0.05
103) Acenaphthene-d10a	6.810	164	524779	40.00	ppb	-0.05
106) Chrysene-d12a	13.790	240	802779	40.00	ppb	-0.08
108) Naphthalene-d8a	5.441	136	959317	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.190	105	255942	48.00	ppb	98
104) Atrazine	8.228	215	98031	48.68	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.083	216	318008	42.07	ppb	99
107) Benzidine	11.073	184	409682	39.99	ppb	99
109) Hydroquinone	5.746	110	382051	56.74	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1402\
Data File : 3p32726.D
Acq On : 15 Jun 2014 11:01 am
Operator : elwiraa
Sample : cc1390-50
Misc : op75312,e3p1402,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 08:19:46 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
06/17/14 16:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32752.D
Acq On : 16 Jun 2014 9:52 am
Operator : samtap
Sample : cc1389-25
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 10:50:36 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	4.526	152	299444	40.00	ppb	-0.04
24) Naphthalene-d8	5.452	136	1040225	40.00	ppb	-0.04
47) Acenaphthene-d10	6.816	164	566288	40.00	ppb	-0.05
69) Phenanthrene-d10	8.618	188	938470	40.00	ppb	-0.05
83) Chrysene-d12	13.828	240	877923	40.00	ppb	-0.04
91) Perylene-d12	16.876	264	659432	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.526	152	299444	40.00	ppb	-0.04
103) Acenaphthene-d10a	6.816	164	566288	40.00	ppb	-0.05
106) Chrysene-d12a	13.828	240	877923	40.00	ppb	-0.04
108) Naphthalene-d8a	5.452	136	1040225	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.564	112	238294	24.05	ppb	-0.02
Spiked Amount 50.000			Recovery = 48.10%			
8) Phenol-d5	4.286	99	284600	24.67	ppb	-0.02
Spiked Amount 50.000			Recovery = 49.34%			
25) Nitrobenzene-d5	4.933	82	212042	24.64	ppb	-0.04
Spiked Amount 50.000			Recovery = 49.28%			
51) 2-Fluorobiphenyl	6.233	172	444504	24.67	ppb	-0.04
Spiked Amount 50.000			Recovery = 49.34%			
73) 2,4,6-Tribromophenol	7.671	330	59222	24.84	ppb	-0.05
Spiked Amount 50.000			Recovery = 49.68%			
85) Terphenyl-d14	11.619	244	452691	26.22	ppb	-0.06
Spiked Amount 50.000			Recovery = 52.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.018	88	93827	20.92	ppb	95
3) Pyridine	2.366	79	242164	21.71	ppb	91
4) N-Nitrosodimethylamine	2.328	42	103175	25.51	ppb	91
6) Indene	4.714	116	408975	23.54	ppb	98
7) Cumene	3.933	105	595816	22.52	ppb	99
9) Phenol	4.296	94	330383	25.66	ppb	99
10) Aniline	4.286	93	293336	22.79	ppb	95
11) bis(2-Chloroethyl)ether	4.334	93	211100	25.88	ppb	99
12) 2-Chlorophenol	4.382	128	265041	24.49	ppb	95
13) Decane	4.414	43	204143	27.31	ppb	91
14) 1,3-Dichlorobenzene	4.484	146	306469	24.71	ppb	99
15) 1,4-Dichlorobenzene	4.537	146	307376	24.94	ppb	99
16) Benzyl alcohol	4.633	108	149103	25.06	ppb	96
17) 1,2-Dichlorobenzene	4.649	146	286312	25.05	ppb	99
18) Acetophenone	4.821	105	315773	23.37	ppb	86
19) 2-Methylphenol	4.730	108	203980	25.95	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.724	45	243915	30.20	ppb	86
21) 3&4-Methylphenol	4.842	108	221247	27.03	ppb	96
22) n-Nitroso-di-n-propyla...	4.821	70	134752	25.68	ppb	95
23) Hexachloroethane	4.895	201	95165	24.25	ppb	91
26) Nitrobenzene	4.944	77	222800	24.66	ppb	97
27) Quinoline	5.703	129	447190	22.18	ppb	99
28) Isophorone	5.115	82	368657	24.14	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32752.D
Acq On : 16 Jun 2014 9:52 am
Operator : samtap
Sample : cc1389-25
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 10:50:36 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	5.179	139	140349	27.34	ppb		90
30)	2,4-Dimethylphenol	5.216	107	184884	25.54	ppb		99
31)	Benzoic acid	5.323	105	129044	22.45	ppb		96
32)	bis(2-Chloroethoxy)met...	5.270	93	231097	25.10	ppb		98
33)	2,4-Dichlorophenol	5.361	162	201229	24.39	ppb		95
34)	2,6-Dichlorophenol	5.516	162	196357	25.06	ppb		98
35)	1,3,5-Trichlorobenzene	5.184	180	235771	21.80	ppb		99
36)	1,2,4-Trichlorobenzene	5.409	180	218195	23.55	ppb		99
37)	1,2,3-Trichlorobenzene	5.569	180	210985	21.66	ppb		98
38)	Naphthalene	5.462	128	647809	24.00	ppb		99
39)	4-Chloroaniline	5.505	127	273400	24.20	ppb		100
40)	2,3-Dichloroaniline	6.174	161	241938	21.82	ppb		97
41)	Caprolactam	5.762	113	69675	23.14	ppb		89
42)	Hexachlorobutadiene	5.553	225	108614	22.27	ppb		99
43)	4-Chloro-3-methylphenol	5.869	107	186202	24.22	ppb	#	99
44)	2-Methylnaphthalene	5.960	141	396774	24.45	ppb		99
45)	1-Methylnaphthalene	6.035	141	397237	22.26	ppb		96
46)	Dimethylnaphthalene	6.441	156	394949	22.07	ppb		100
48)	Hexachlorocyclopentadiene	6.078	237	189453	43.21	ppb		99
49)	2,4,6-Trichlorophenol	6.179	196	128827	24.72	ppb		97
50)	2,4,5-Trichlorophenol	6.222	196	137653	23.69	ppb		99
52)	2-Chloronaphthalene	6.334	162	414904	24.70	ppb		98
53)	Biphenyl	6.313	154	531295	22.27	ppb		99
54)	2-Nitroaniline	6.420	65	116499	29.08	ppb		99
55)	Dimethylphthalate	6.559	163	424091	23.40	ppb		99
56)	Acenaphthylene	6.687	152	669477	24.76	ppb		98
57)	2,6-Dinitrotoluene	6.618	165	105846	28.54	ppb		96
58)	3-Nitroaniline	6.778	138	128139	26.48	ppb		97
59)	Acenaphthene	6.848	153	408544	24.90	ppb		98
60)	2,4-Dinitrophenol	6.891	184	102565	64.48	ppb	#	80
61)	4-Nitrophenol	6.992	109	53274m	25.42	ppb		
62)	Dibenzofuran	7.014	168	575660	24.85	ppb		99
63)	2,4-Dinitrotoluene	7.008	165	145430	29.02	ppb		84
64)	2,3,4,6-Tetrachlorophenol	7.158	232	98283	23.58	ppb		99
65)	Diethylphthalate	7.249	149	445728	24.32	ppb		99
66)	Fluorene	7.383	166	468337	25.02	ppb		99
67)	4-Chlorophenyl-phenyle...	7.377	204	204077	24.56	ppb		95
68)	4-Nitroaniline	7.415	138	125579	25.53	ppb		95
70)	4,6-Dinitro-2-methylph...	7.457	198	73227	30.63	ppb		89
71)	n-Nitrosodiphenylamine	7.516	169	302456	24.28	ppb		100
72)	1,2-Diphenylhydrazine	7.564	77	416889	25.34	ppb		96
74)	4-Bromophenyl-phenylether	7.982	248	115500	23.64	ppb		99
75)	Hexachlorobenzene	8.078	284	130275	23.46	ppb		94
76)	Pentachlorophenol	8.372	266	139099	41.02	ppb		100
77)	Phenanthrene	8.656	178	646333	24.24	ppb		99
78)	Anthracene	8.736	178	658948	25.36	ppb		99
79)	Carbazole	9.009	167	656150	22.71	ppb		98
80)	Di-n-butylphthalate	9.688	149	799728	24.96	ppb		100
81)	Fluoranthene	10.752	202	720747	24.61	ppb		98
82)	Octadecane	8.522	57	272364	26.43	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32752.D
Acq On : 16 Jun 2014 9:52 am
Operator : samtap
Sample : cc1389-25
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 10:50:36 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)
84) Pyrene	11.191	202	742755	25.52	ppb	98
86) Butylbenzylphthalate	12.779	149	362427	26.63	ppb	99
87) Benzo[a]anthracene	13.806	228	614407	25.03	ppb	99
88) 3,3'-Dichlorobenzidine	13.849	252	226784	25.72	ppb	97
89) Chrysene	13.881	228	536957	24.76	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.197	149	460107	26.42	ppb	98
92) Di-n-octylphthalate	15.636	149	793490	30.54	ppb	98
93) Benzo[b]fluoranthene	16.122	252	552988	27.14	ppb	95
94) Benzo[k]fluoranthene	16.181	252	498570	25.44	ppb	98
95) Benzo[a]pyrene	16.753	252	463523	25.94	ppb	97
96) Indeno[1,2,3-cd]pyrene	18.823	276	411910	23.54	ppb	92
97) Dibenz(a,h)acridine	18.460	279	381761	21.30	ppb	97
98) Dibenz[a,h]anthracene	18.877	278	394565	22.55	ppb	95
99) 7,12-Dimethylbenz(a)an...	16.133	256	224002	33.10	ppb	99
100) Benzo[g,h,i]perylene	19.251	276	402627	22.49	ppb	95

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

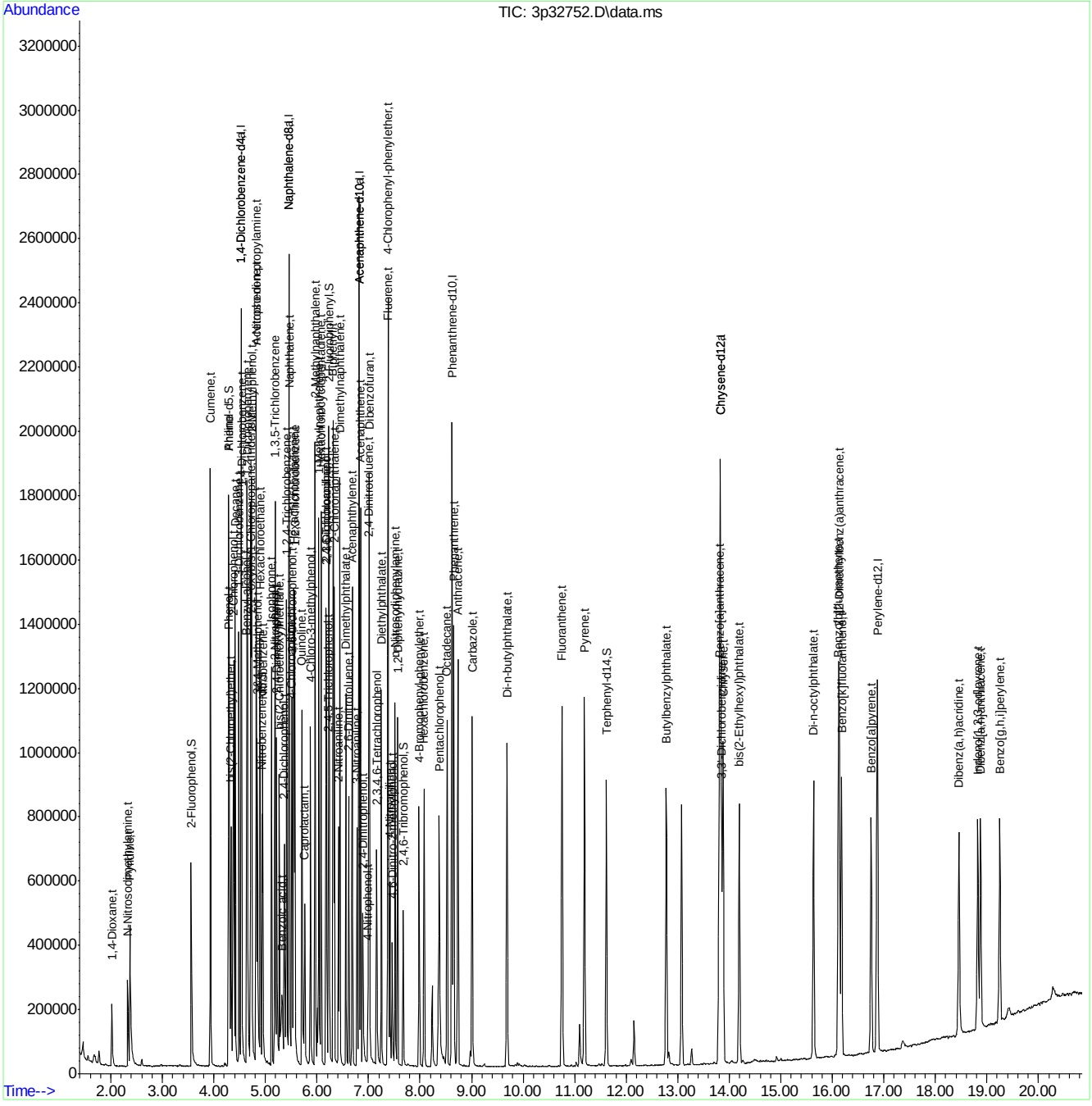
9.6.32

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32752.D
Acq On : 16 Jun 2014 9:52 am
Operator : samtap
Sample : cc1389-25
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 10:50:36 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

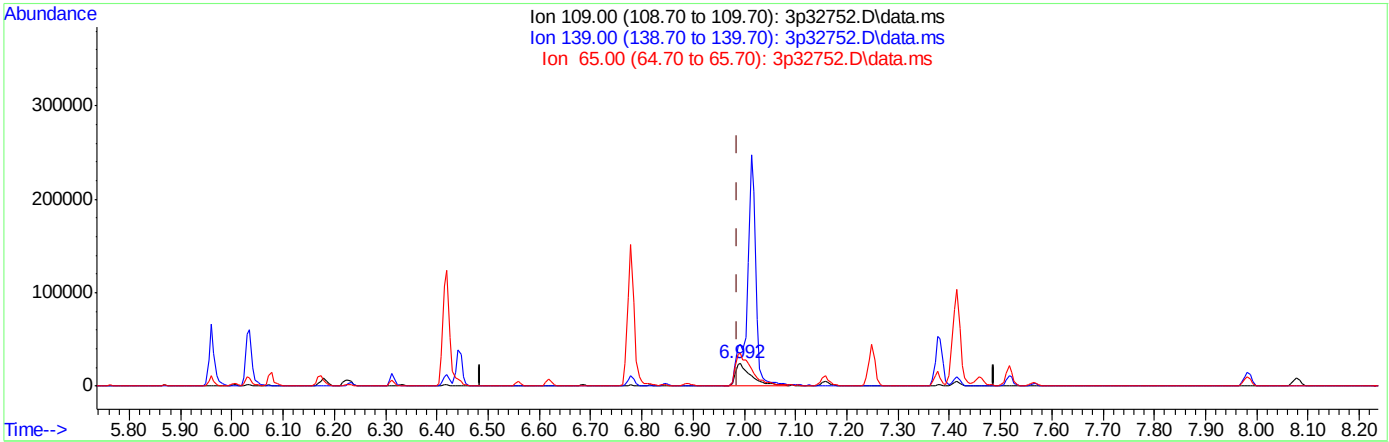
Sample Number:	E3P1403-CC1389	**Method:**	SW846 8270D
Lab FileID:	3P32752.D	**Analyst approved:**	06/16/14 14:50 Samta Patel
Injection Time:	06/16/14 09:52	**Supervisor approved:**	06/17/14 16:35 Nina Pandya

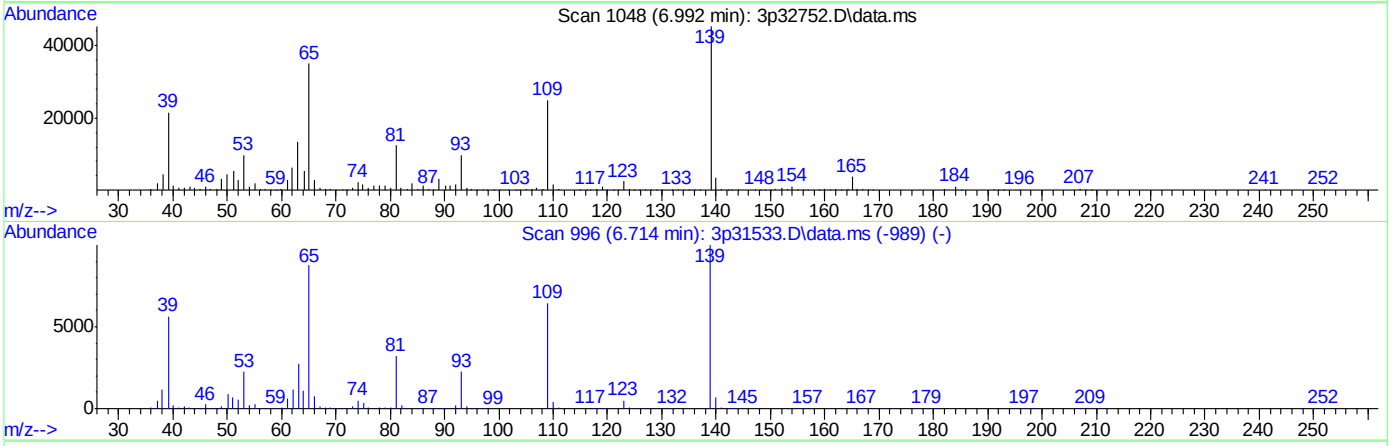
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Nitrophenol	100-02-7		6.99	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32752.D
Acq On : 16 Jun 2014 9:52 am
Operator : samtap
Sample : cc1389-25
Misc : op75312,e3p1403,,,1000,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 16 10:50:36 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: 3p32752.D\data.ms

(61) 4-Nitrophenol (t)

6.992min (+0.005) 25.42ppb m

response 53274

Ion	Exp%	Act%
109.00	100	100
139.00	151.50	181.23
65.00	118.40	140.31
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32753.D
Acq On : 16 Jun 2014 10:18 am
Operator : samtap
Sample : cc1390-25
Misc : op75312,e3p1403,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 10:39:21 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

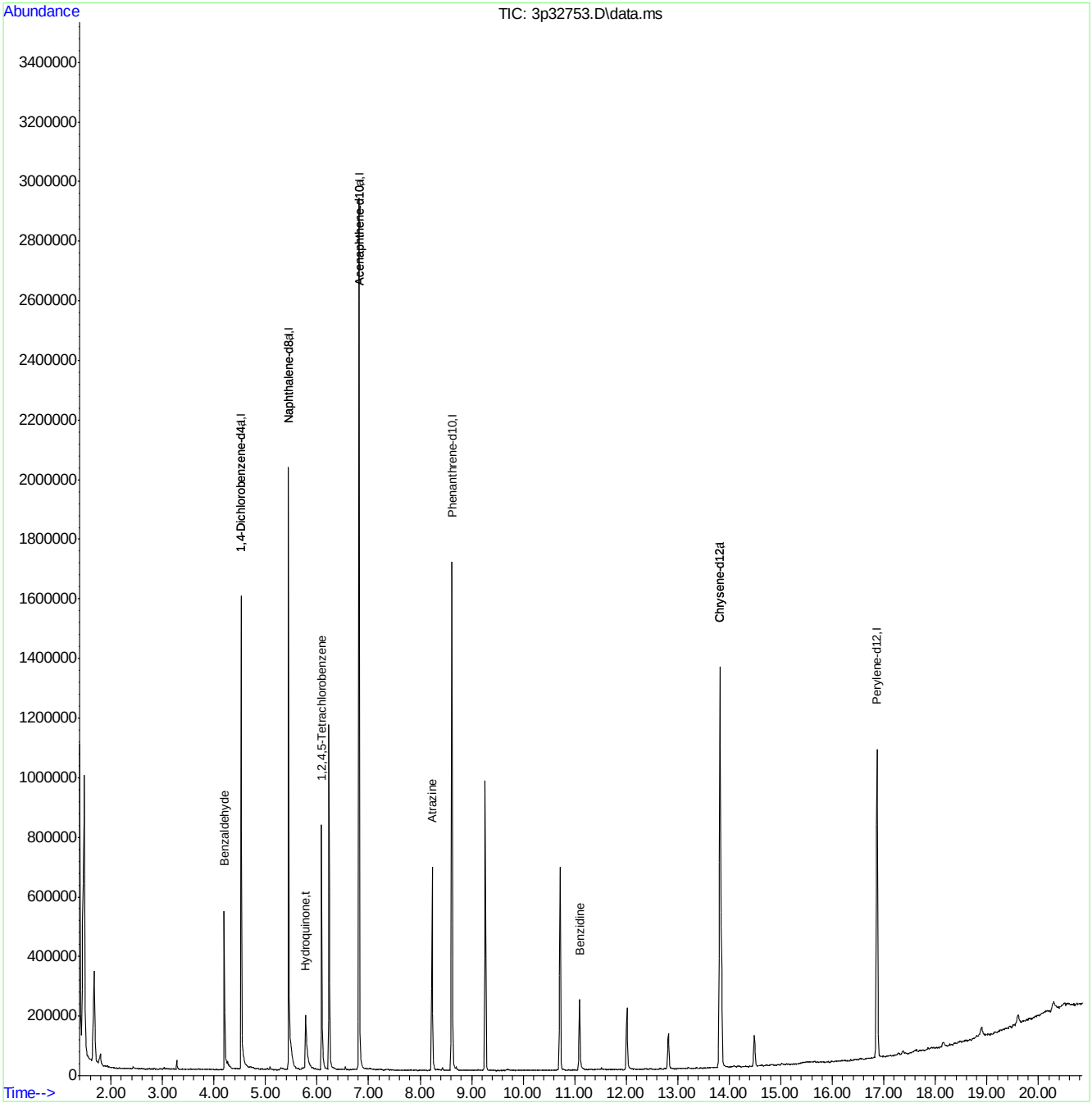
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.526	152	252431	40.00	ppb	-0.04
24) Naphthalene-d8	5.446	136	969277	40.00	ppb	-0.04
47) Acenaphthene-d10	6.816	164	526451	40.00	ppb	-0.05
69) Phenanthrene-d10	8.618	188	844442	40.00	ppb	-0.05
83) Chrysene-d12	13.822	240	757540	40.00	ppb	-0.05
91) Perylene-d12	16.871	264	591613	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.526	152	252431	40.00	ppb	-0.04
103) Acenaphthene-d10a	6.816	164	526451	40.00	ppb	-0.05
106) Chrysene-d12a	13.822	240	757540	40.00	ppb	-0.05
108) Naphthalene-d8a	5.446	136	969277	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.200	105	124641	23.33	ppb	95
104) Atrazine	8.233	215	48673	24.09	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.088	216	169690	22.38	ppb	99
107) Benzidine	11.094	184	164174	16.98	ppb	98
109) Hydroquinone	5.773	110	185876	27.32	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1403\
Data File : 3p32753.D
Acq On : 16 Jun 2014 10:18 am
Operator : samtap
Sample : cc1390-25
Misc : op75312,e3p1403,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 10:39:21 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
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	351883	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1428684	40.00	ppb	0.00
47) Acenaphthene-d10	7.199	164	783725	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1356303	40.00	ppb	0.00
83) Chrysene-d12	12.750	240	1313310	40.00	ppb	0.00
92) Perylene-d12	14.796	264	1206787	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	351883	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1356303	40.00	ppb	0.00
107) Chrysene-d12a	12.750	240	1313310	40.00	ppb	0.00
110) Acenaphthene-d10a	7.199	164	783725	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1428684	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	1149426	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
8) Phenol-d5	3.449	99	1421106	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
25) Nitrobenzene-d5	4.357	82	1196249	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
51) 2-Fluorobiphenyl	6.409	172	2163878	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
73) 2,4,6-Tribromophenol	8.150	330	351261	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
86) Terphenyl-d14	11.211	244	2561783	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.745	88	559104	100.15	ppb	100
3) Pyridine	1.910	79	1524538	100.15	ppb	100
4) N-Nitrosodimethylamine	1.884	74	801403	100.15	ppb	100
6) Indene	4.047	116	1962255	100.15	ppb	100
7) Cumene	3.080	105	3036294	100.15	ppb	100
9) Phenol	3.460	94	1571342	100.15	ppb	100
10) Aniline	3.481	93	1514146	100.15	ppb	100
11) bis(2-Chloroethyl)ether	3.529	93	1096233	100.15	ppb	100
12) 2-Chlorophenol	3.599	128	1246720	100.15	ppb	100
13) Decane	3.625	43	1302024	100.15	ppb	100
14) 1,3-Dichlorobenzene	3.738	146	1279329	99.67	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1302642	99.59	ppb	100
16) Benzyl alcohol	3.930	108	786047	97.41	ppb	100
17) 1,2-Dichlorobenzene	3.962	146	1218658	100.15	ppb	100
18) Acetophenone	4.197	105	1698021	100.15	ppb	100
19) 2-Methylphenol	4.042	108	965217	100.15	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.058	121	333757	99.15	ppb	100
21) 3&4-Methylphenol	4.208	108	1086489	98.64	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.197	70	750887	99.60	ppb	100
23) Hexachloroethane	4.304	201	421928	100.15	ppb	100
26) Nitrobenzene	4.379	77	1260472	100.00	ppb	100
27) Quinoline	5.559	129	2764425	100.00	ppb	100
28) Isophorone	4.630	82	2116041	100.00	ppb	100
29) 2-Nitrophenol	4.720	139	647383	100.00	ppb	100
30) 2,4-Dimethylphenol	4.779	107	1147847	100.00	ppb	100
31) Benzoic Acid	4.972	105	985093m	101.13	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1277528	100.00	ppb	100
33) 2,4-Dichlorophenol	4.988	162	946641	100.00	ppb	100
34) 2,6-Dichlorophenol	5.244	162	881352	100.00	ppb	100
35) 1,3,5-Trichlorobenzene	4.731	180	1202027	100.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.073	180	1047290	100.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.330	180	1164522	100.00	ppb	100
38) Naphthalene	5.164	128	3382247	100.00	ppb	100
39) 4-Chloroaniline	5.239	127	1319188	100.00	ppb	100
40) 2,3-Dichloroaniline	6.302	161	1238582	100.00	ppb	100
41) Caprolactam	5.661	55	715231m	99.99	ppb	
42) Hexachlorobutadiene	5.313	225	544080	100.00	ppb	100
43) 4-Chloro-3-methylphenol	5.832	107	1039142	100.00	ppb	100
44) 2-Methylnaphthalene	5.960	141	1910113	100.00	ppb	100
45) 1-Methylnaphthalene	6.077	141	2133885	100.00	ppb	100
46) Dimethylnaphthalene	6.708	156	2185213	100.00	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1297284	200.00	ppb	100
49) 2,4,6-Trichlorophenol	6.312	196	653379	100.00	ppb	100
50) 2,4,5-Trichlorophenol	6.361	196	729919	100.00	ppb	100
52) 2-Chloronaphthalene	6.537	162	2009061	100.00	ppb	100
53) Biphenyl	6.521	154	2881884	100.00	ppb	100
54) 2-Nitroaniline	6.681	65	680398	100.00	ppb	100
55) Dimethylphthalate	6.905	163	2317384	100.00	ppb	100
56) Acenaphthylene	7.028	152	3359640	100.00	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	563059	100.00	ppb	100
58) 3-Nitroaniline	7.178	138	690447	100.00	ppb	100
59) Acenaphthene	7.237	153	2018310	100.00	ppb	100
60) 2,4-Dinitrophenol	7.301	184	736501	200.00	ppb	100
61) 4-Nitrophenol	7.418	109	320100	100.00	ppb	100
62) Dibenzofuran	7.450	168	2682934	100.00	ppb	100
63) 2,4-Dinitrotoluene	7.456	165	718825	100.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.611	232	594731	100.00	ppb	100
65) Diethylphthalate	7.760	149	2307416	100.00	ppb	100
66) Fluorene	7.856	166	2202062	100.00	ppb	100
67) 4-Chlorophenyl-phenyle...	7.872	204	1009491	100.00	ppb	100
68) 4-Nitroaniline	7.926	138	704322	100.00	ppb	100
70) 4,6-Dinitro-2-methylph...	7.947	198	489929	100.00	ppb	100
71) n-Nitrosodiphenylamine	8.022	169	1592132	100.00	ppb	100
72) 1,2-Diphenylhydrazine	8.065	77	2433657	100.00	ppb	100
74) 4-Bromophenyl-phenylether	8.460	248	634609	99.64	ppb	100
75) Hexachlorobenzene	8.530	284	750150	100.00	ppb	100
76) Pentachlorophenol	8.786	266	941585	200.00	ppb	100
77) Phenanthrene	9.032	178	3416012	100.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

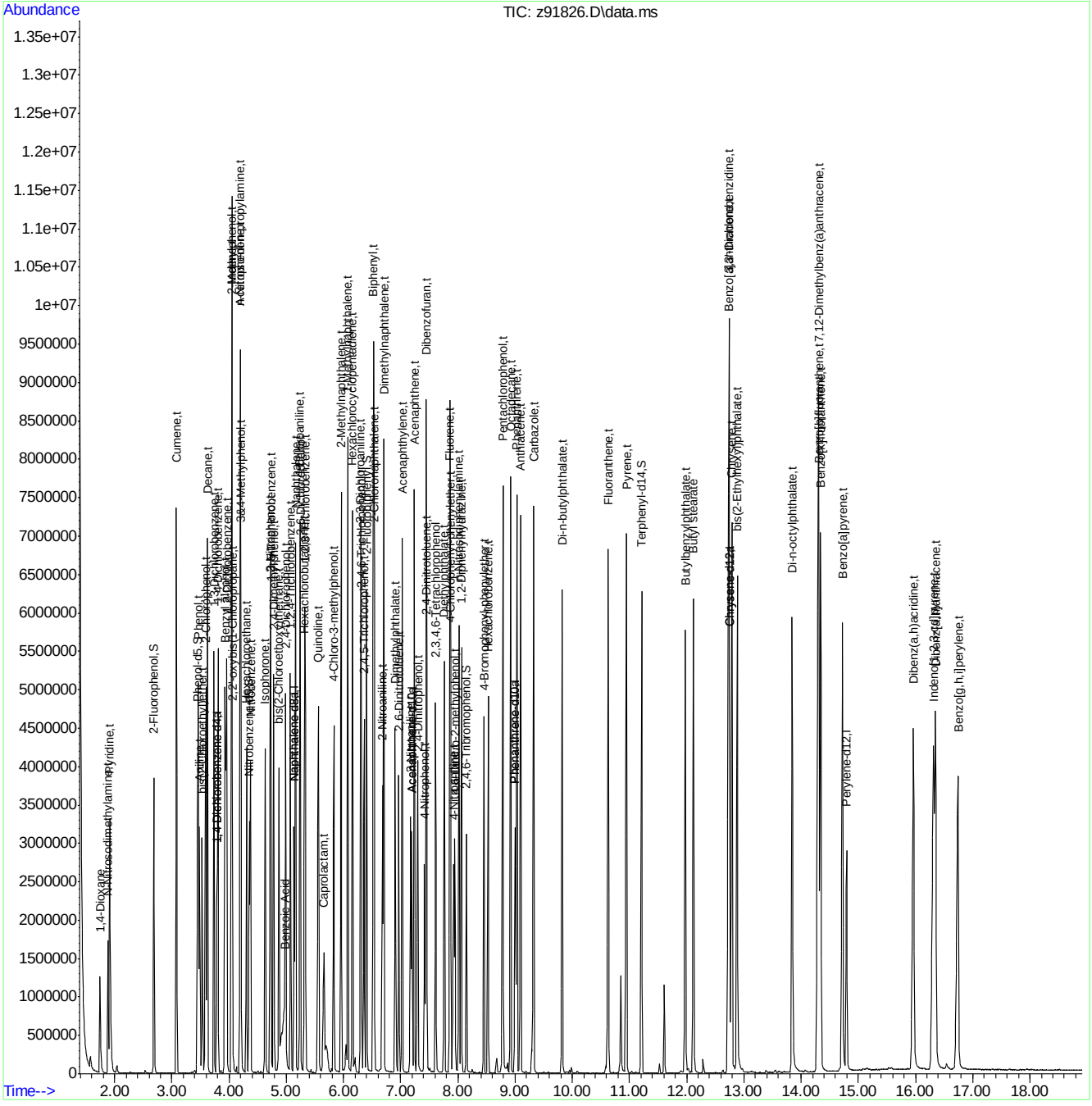
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	9.096	178	3442482	100.00	ppb	100
79)	Carbazole	9.325	167	3716352	100.00	ppb	100
80)	Di-n-butylphthalate	9.822	149	3923026	100.00	ppb	100
81)	Fluoranthene	10.629	202	3614218	100.00	ppb	100
82)	Octadecane	8.925	57	1681781	100.00	ppb	100
84)	Pyrene	10.950	202	3807465	100.00	ppb	100
85)	Butyl stearate	12.114	56	1118083	100.00	ppb	100
87)	Butylbenzylphthalate	11.975	149	1802691	100.00	ppb	100
88)	Benzo[a]anthracene	12.734	228	3502023	100.00	ppb	100
89)	3,3'-Dichlorobenzidine	12.739	252	1237057	100.00	ppb	100
90)	Chrysene	12.793	228	3377072	100.00	ppb	100
91)	bis(2-Ethylhexyl)phtha...	12.883	149	2514606	100.00	ppb	100
93)	Di-n-octylphthalate	13.845	149	4287069	100.00	ppb	100
94)	Benzo[b]fluoranthene	14.310	252	3736770	100.00	ppb	100
95)	Benzo[k]fluoranthene	14.342	252	3390256	99.84	ppb	100
96)	Benzo[a]pyrene	14.727	252	3229461	100.00	ppb	100
97)	Indeno[1,2,3-cd]pyrene	16.313	276	3573185	100.00	ppb	100
98)	Dibenz(a,h)acridine	15.966	279	3350151	100.00	ppb	100
99)	Dibenz[a,h]anthracene	16.351	278	3388290	100.00	ppb	100
100)	7,12-Dimethylbenz(a)an...	14.304	256	1867216	100.00	ppb	100
101)	Benzo[g,h,i]perylene	16.746	276	3313792	99.56	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

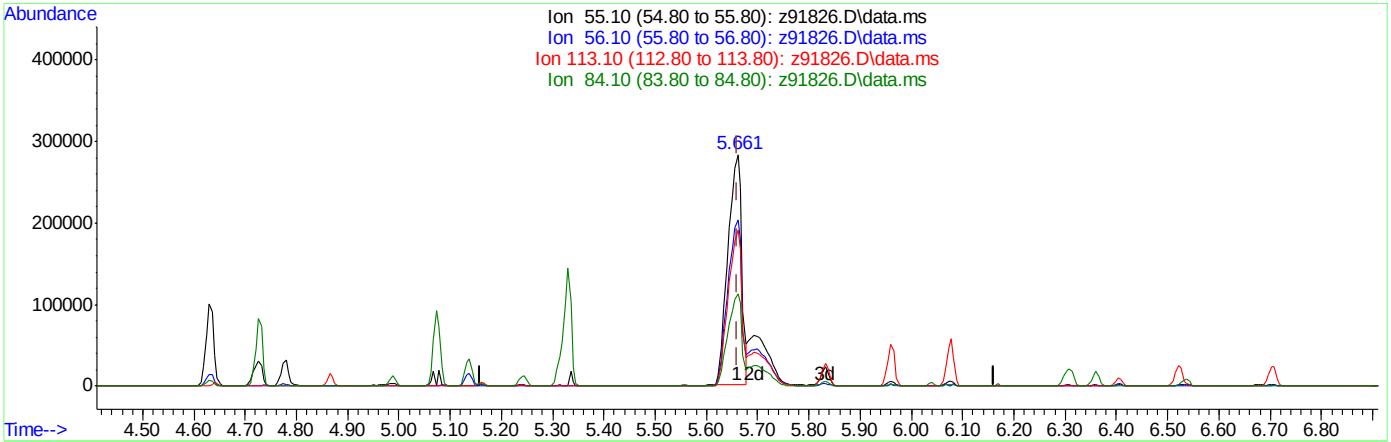
Sample Number: EZ4569-IC4569
Lab FileID: Z91826.D
Injection Time: 05/24/14 10:56
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

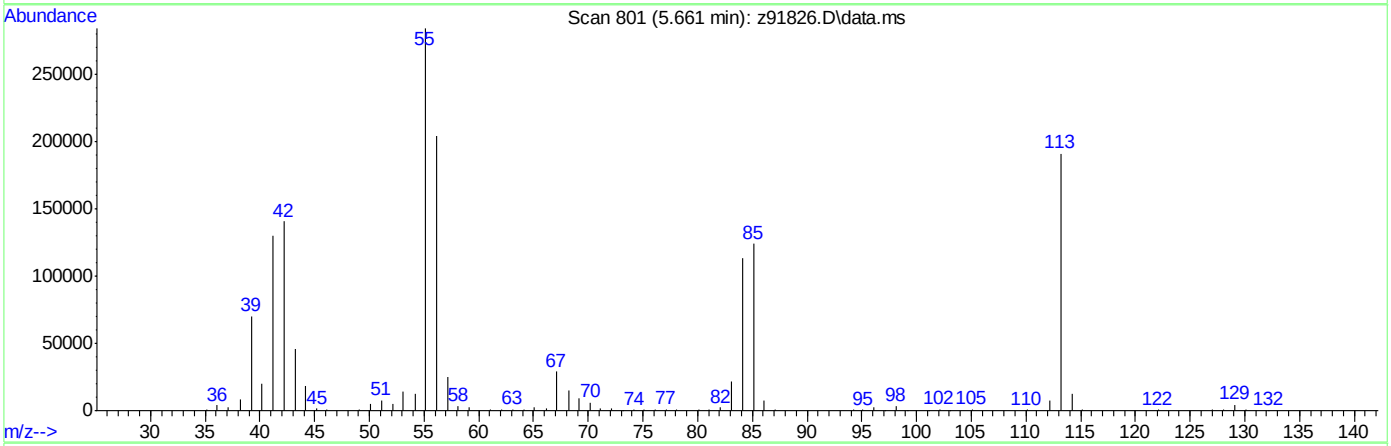
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.97	Poor instrument integration
Caprolactam	105-60-2		5.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:56:15 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 74.07ppb

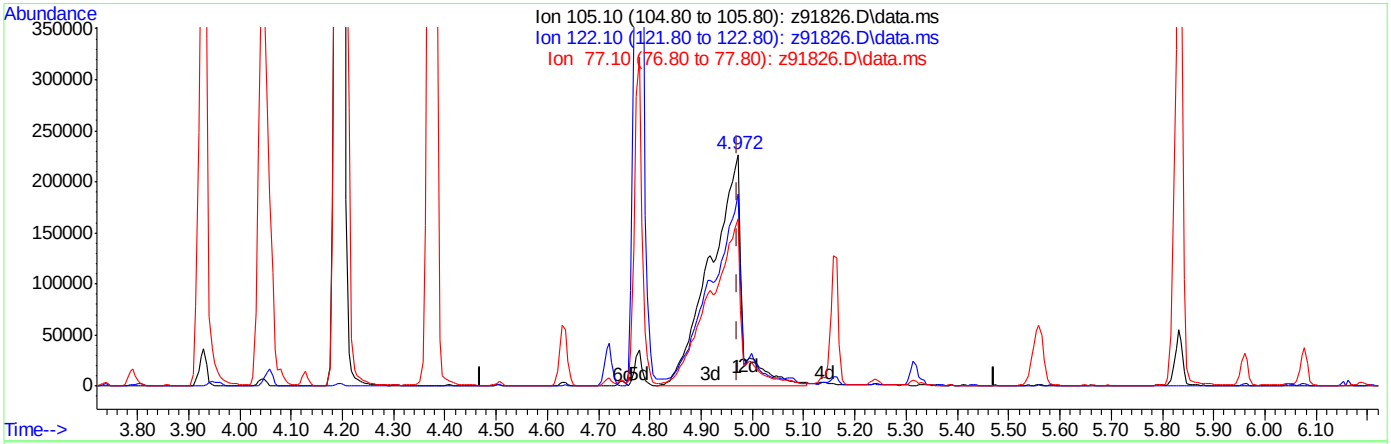
response 529842

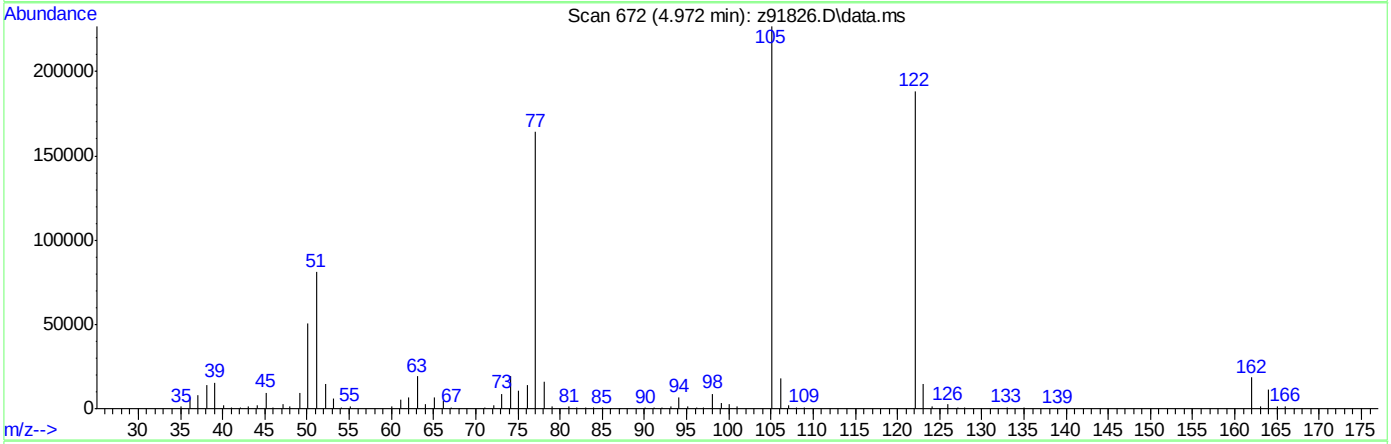
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.42
113.10	67.30	67.26
84.10	40.00	40.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(31) Benzoic Acid

4.972min (+0.001) 101.13ppb m

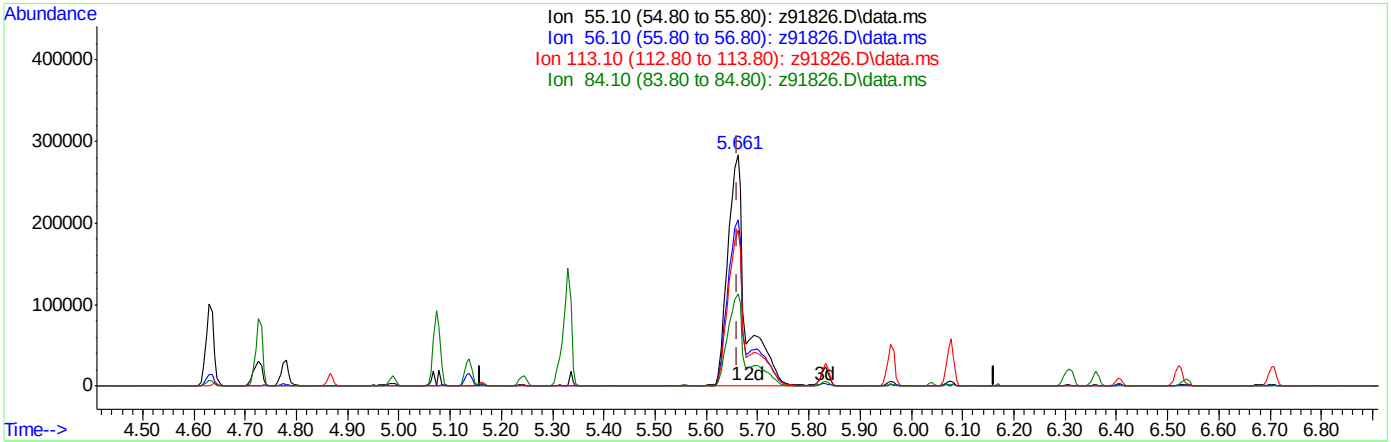
response 985093

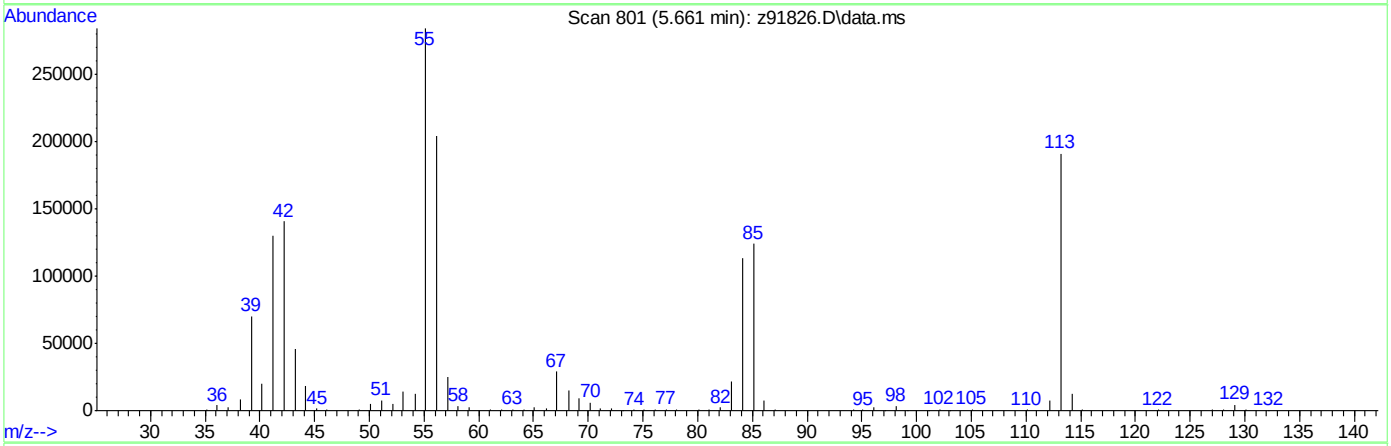
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	45.44#
77.10	33.90	39.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 99.99ppb m

response 715231

Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.76
113.10	67.30	67.27
84.10	40.00	40.03

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	361107	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1440210	40.00	ppb	0.00
47) Acenaphthene-d10	7.194	164	810215	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1380028	40.00	ppb	0.01
83) Chrysene-d12	12.745	240	1333317	40.00	ppb	0.01
92) Perylene-d12	14.791	264	1218008	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	361107	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1380028	40.00	ppb	0.01
107) Chrysene-d12a	12.745	240	1333317	40.00	ppb	0.01
110) Acenaphthene-d10a	7.194	164	810215	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1440210	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	981195	80.61	ppb	0.00
Spiked Amount 50.000			Recovery =	161.22%		
8) Phenol-d5	3.444	99	1217203	80.68	ppb	0.00
Spiked Amount 50.000			Recovery =	161.36%		
25) Nitrobenzene-d5	4.352	82	1024013	82.38	ppb	0.00
Spiked Amount 50.000			Recovery =	164.76%		
51) 2-Fluorobiphenyl	6.404	172	1872470	77.97	ppb	0.00
Spiked Amount 50.000			Recovery =	155.94%		
73) 2,4,6-Tribromophenol	8.150	330	293677	79.84	ppb	0.01
Spiked Amount 50.000			Recovery =	159.68%		
86) Terphenyl-d14	11.206	244	2151983	80.24	ppb	0.00
Spiked Amount 50.000			Recovery =	160.48%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.745	88	479568	84.67	ppb	99
3) Pyridine	1.911	79	1303941	86.33	ppb	99
4) N-Nitrosodimethylamine	1.884	74	687860	81.88	ppb	100
6) Indene	4.048	116	1738322	81.40	ppb	99
7) Cumene	3.081	105	2640936	84.46	ppb	100
9) Phenol	3.460	94	1364198	82.72	ppb	98
10) Aniline	3.481	93	1302894	73.89	ppb	73
11) bis(2-Chloroethyl)ether	3.529	93	938653	80.71	ppb	99
12) 2-Chlorophenol	3.599	128	1066421	80.16	ppb	100
13) Decane	3.626	43	1175066	83.00	ppb	98
14) 1,3-Dichlorobenzene	3.738	146	1105609	78.48	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1115717	78.32	ppb	99
16) Benzyl alcohol	3.930	108	676756	81.40	ppb	97
17) 1,2-Dichlorobenzene	3.962	146	1046831	78.50	ppb	99
18) Acetophenone	4.192	105	1475774	82.92	ppb	99
19) 2-Methylphenol	4.042	108	847285	77.86	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.058	121	292767	79.07	ppb	96
21) 3&4-Methylphenol	4.208	108	944415	79.36	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.192	70	656684	79.08	ppb	96
23) Hexachloroethane	4.304	201	362929	79.37	ppb	96
26) Nitrobenzene	4.373	77	1083251	80.31	ppb	96
27) Quinoline	5.554	129	2380035	87.25	ppb	100
28) Isophorone	4.630	82	1829812	80.47	ppb	99
29) 2-Nitrophenol	4.715	139	557748	82.12	ppb	87
30) 2,4-Dimethylphenol	4.774	107	977923	83.76	ppb	97
31) Benzoic Acid	4.956	105	823849m	113.78	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1090504	81.05	ppb	99
33) 2,4-Dichlorophenol	4.988	162	817376	82.10	ppb	99
34) 2,6-Dichlorophenol	5.244	162	759798	79.93	ppb	100
35) 1,3,5-Trichlorobenzene	4.726	180	1044436	84.23	ppb	97
36) 1,2,4-Trichlorobenzene	5.073	180	893545	78.73	ppb	99
37) 1,2,3-Trichlorobenzene	5.330	180	1001794	84.13	ppb	99
38) Naphthalene	5.159	128	2913798	78.92	ppb	100
39) 4-Chloroaniline	5.234	127	1127462	74.92	ppb	98
40) 2,3-Dichloroaniline	6.302	161	1066261	84.46	ppb	99
41) Caprolactam	5.650	55	604099m	89.04	ppb	
42) Hexachlorobutadiene	5.314	225	467455	77.86	ppb	99
43) 4-Chloro-3-methylphenol	5.827	107	892444	83.10	ppb	100
44) 2-Methylnaphthalene	5.960	141	1627653	78.68	ppb	100
45) 1-Methylnaphthalene	6.078	141	1831100	83.69	ppb	100
46) Dimethylnaphthalene	6.703	156	1890992	84.27	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1116869	166.01	ppb	99
49) 2,4,6-Trichlorophenol	6.307	196	552138	78.73	ppb	99
50) 2,4,5-Trichlorophenol	6.355	196	626287	81.78	ppb	99
52) 2-Chloronaphthalene	6.532	162	1737819	76.96	ppb	98
53) Biphenyl	6.521	154	2505730	81.64	ppb	100
54) 2-Nitroaniline	6.676	65	581502	82.19	ppb	96
55) Dimethylphthalate	6.906	163	1957737	79.33	ppb	99
56) Acenaphthylene	7.023	152	2860070	77.59	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	475699	81.74	ppb	93
58) 3-Nitroaniline	7.173	138	582914	81.85	ppb	97
59) Acenaphthene	7.237	153	1731495	77.99	ppb	100
60) 2,4-Dinitrophenol	7.296	184	623898	190.56	ppb	98
61) 4-Nitrophenol	7.413	109	269821	85.24	ppb	88
62) Dibenzofuran	7.445	168	2332340	76.75	ppb	99
63) 2,4-Dinitrotoluene	7.451	165	613668	79.76	ppb	77
64) 2,3,4,6-Tetrachlorophenol	7.606	232	507614	82.04	ppb	98
65) Diethylphthalate	7.755	149	1961897	79.83	ppb	100
66) Fluorene	7.857	166	1887727	76.80	ppb	98
67) 4-Chlorophenyl-phenyle...	7.867	204	867479	76.73	ppb	97
68) 4-Nitroaniline	7.921	138	585784	80.58	ppb	99
70) 4,6-Dinitro-2-methylph...	7.942	198	407265	89.33	ppb	99
71) n-Nitrosodiphenylamine	8.017	169	1358889	79.07	ppb	100
72) 1,2-Diphenylhydrazine	8.060	77	2101390	78.58	ppb	98
74) 4-Bromophenyl-phenylether	8.455	248	537393	78.99	ppb	95
75) Hexachlorobenzene	8.524	284	632878	77.42	ppb	97
76) Pentachlorophenol	8.781	266	783315	165.53	ppb	99
77) Phenanthrene	9.032	178	2891585	77.21	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

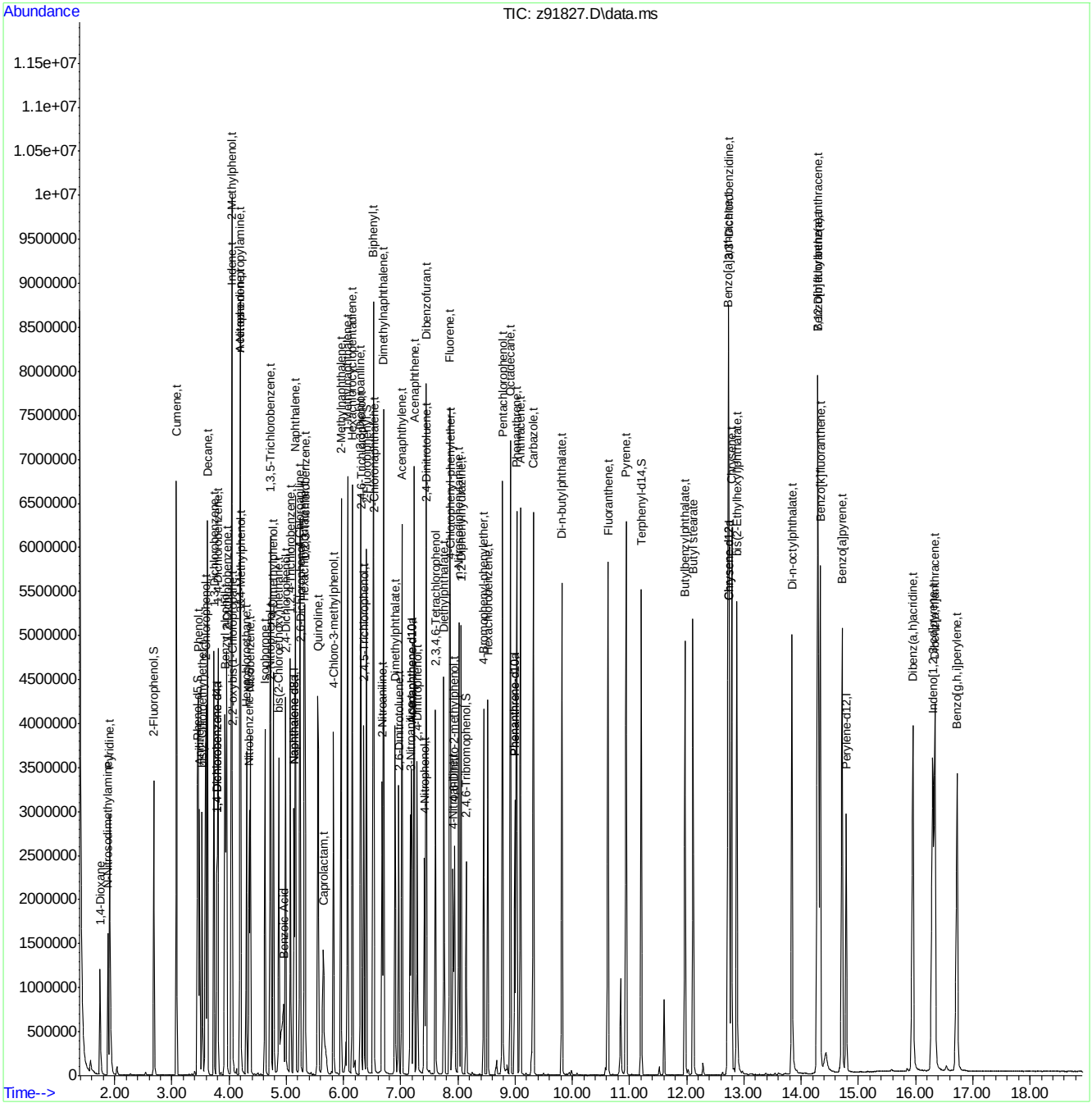
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.096	178	2927804	77.01	ppb	99
79) Carbazole	9.320	167	3133884	82.62	ppb	99
80) Di-n-butylphthalate	9.817	149	3342162	81.14	ppb	100
81) Fluoranthene	10.629	202	3043655	78.27	ppb	97
82) Octadecane	8.920	57	1473317	80.65	ppb	99
84) Pyrene	10.944	202	3218415	79.48	ppb	98
85) Butyl stearate	12.109	56	964185	80.93	ppb	97
87) Butylbenzylphthalate	11.970	149	1508663	84.87	ppb	99
88) Benzo[a]anthracene	12.729	228	2925774	79.97	ppb	99
89) 3,3'-Dichlorobenzidine	12.734	252	1051700	80.30	ppb	98
90) Chrysene	12.787	228	2839151	79.56	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.878	149	2082752	84.35	ppb	99
93) Di-n-octylphthalate	13.840	149	3551069	88.60	ppb	100
94) Benzo[b]fluoranthene	14.294	252	3240358	85.16	ppb	98
95) Benzo[k]fluoranthene	14.337	252	2780015m	77.08	ppb	
96) Benzo[a]pyrene	14.721	252	2720969	82.09	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.303	276	2850176	83.66	ppb	98
98) Dibenz(a,h)acridine	15.955	279	2802293	89.06	ppb	100
99) Dibenz[a,h]anthracene	16.340	278	2845978	83.20	ppb	100
100) 7,12-Dimethylbenz(a)an...	14.294	256	1576906	88.36	ppb	100
101) Benzo[g,h,i]perylene	16.730	276	2734536	82.09	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91827.D
Injection Time: 05/24/14 11:21

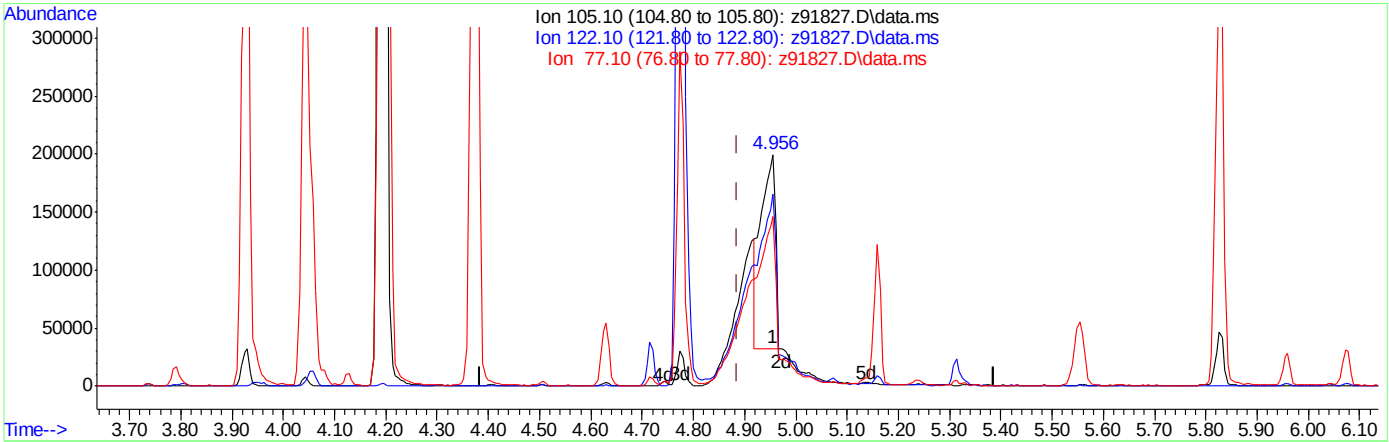
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

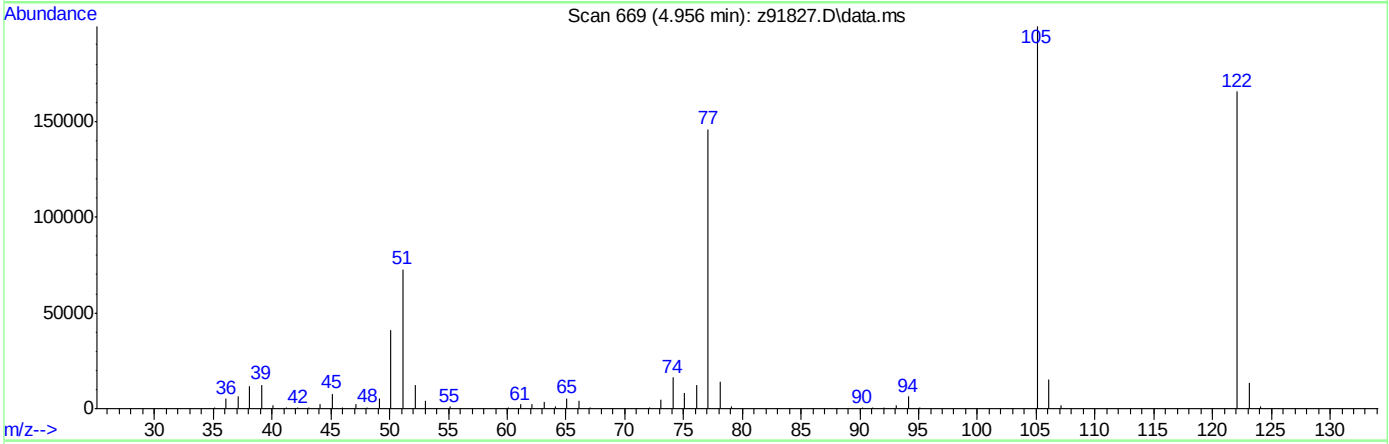
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.96	Poor instrument integration
Caprolactam	105-60-2		5.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		14.34	Poor instrument integration

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

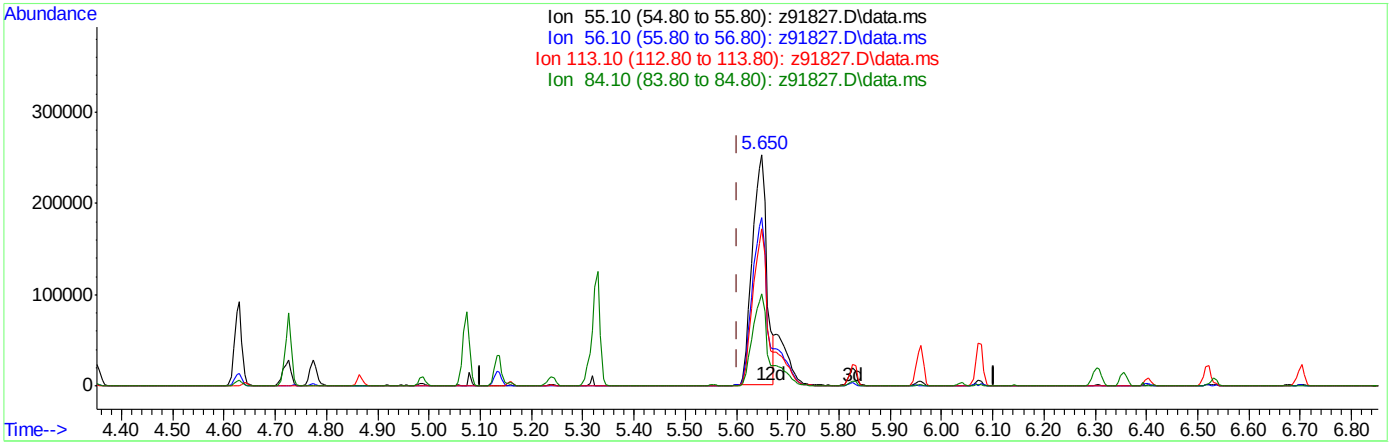
response 328069

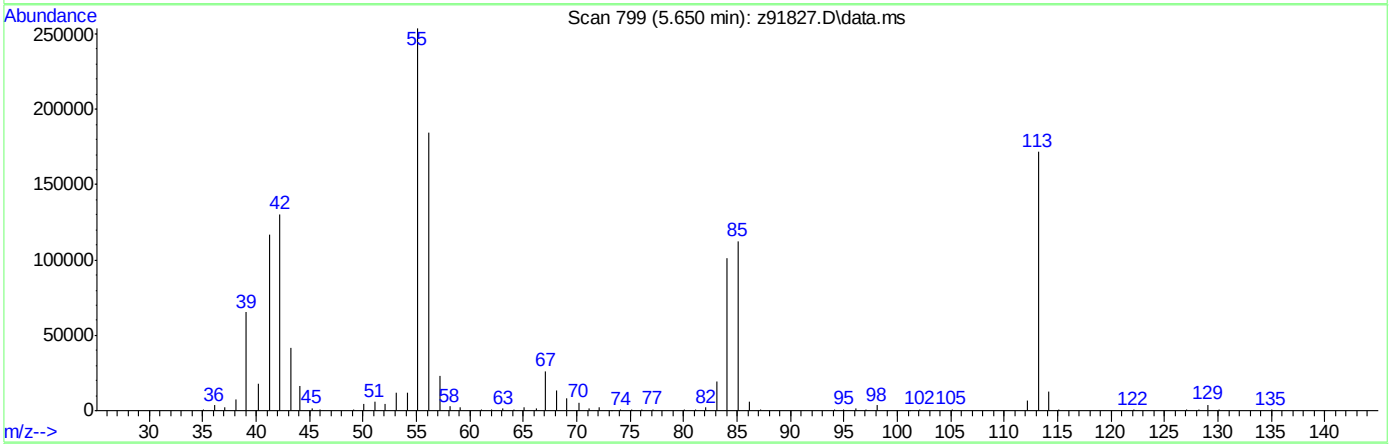
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	97.60
77.10	33.90	162.19#
0.00	0.00	0.00

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

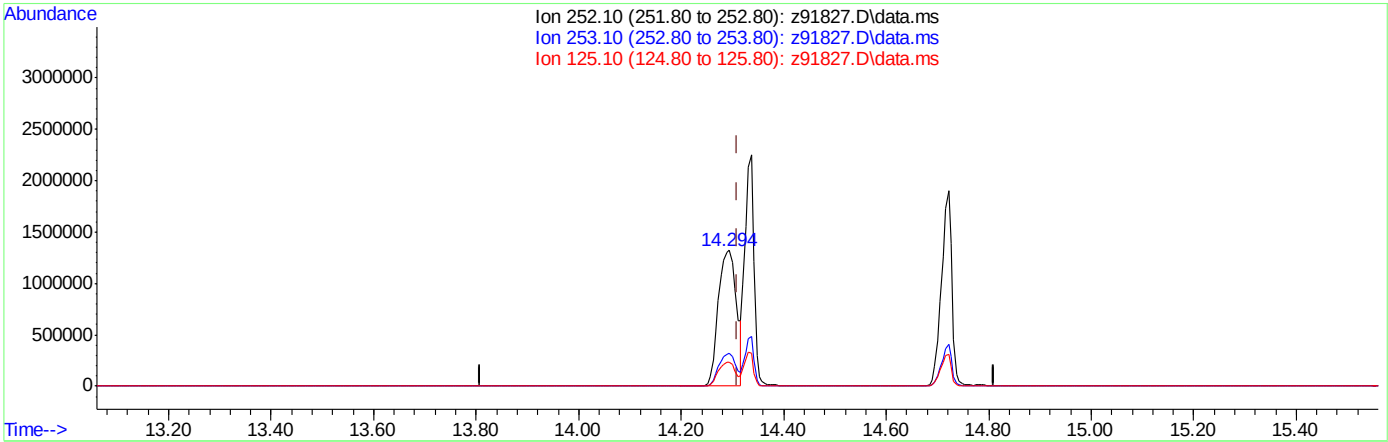
response 493831

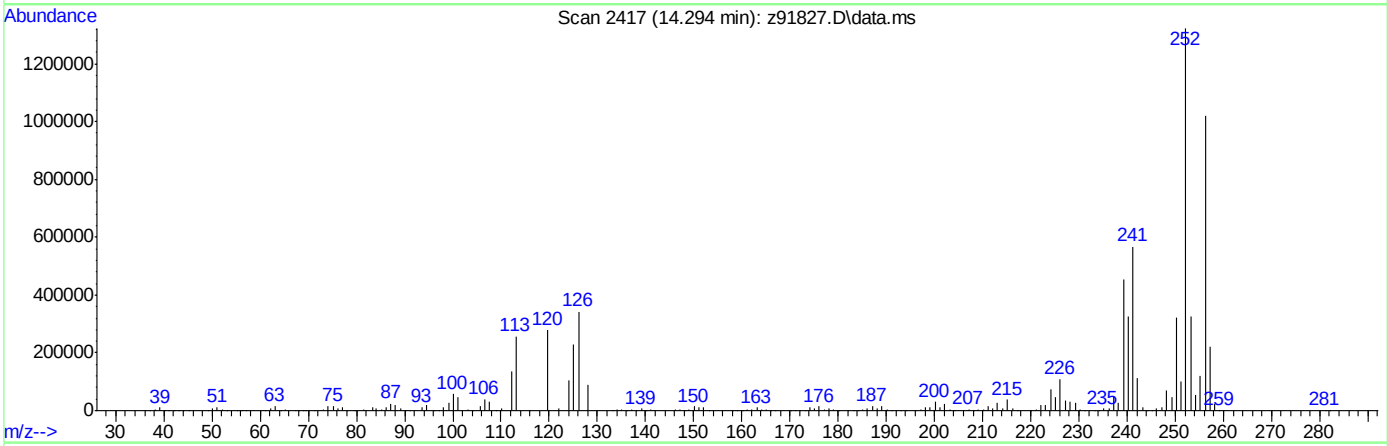
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.80
113.10	67.30	67.87
84.10	40.00	39.71

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

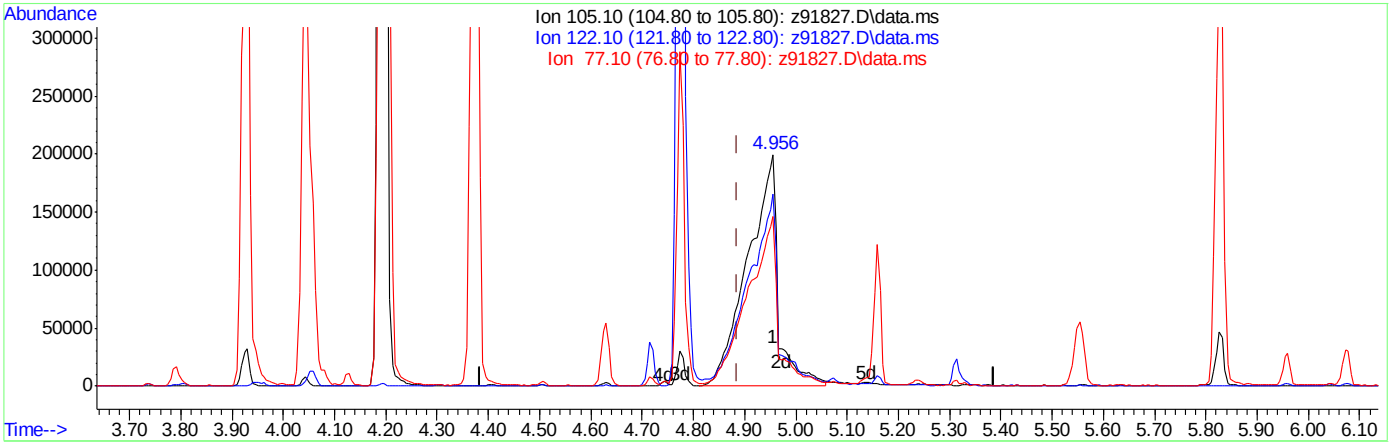
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	25.53
125.10	15.00	17.37
0.00	0.00	0.00

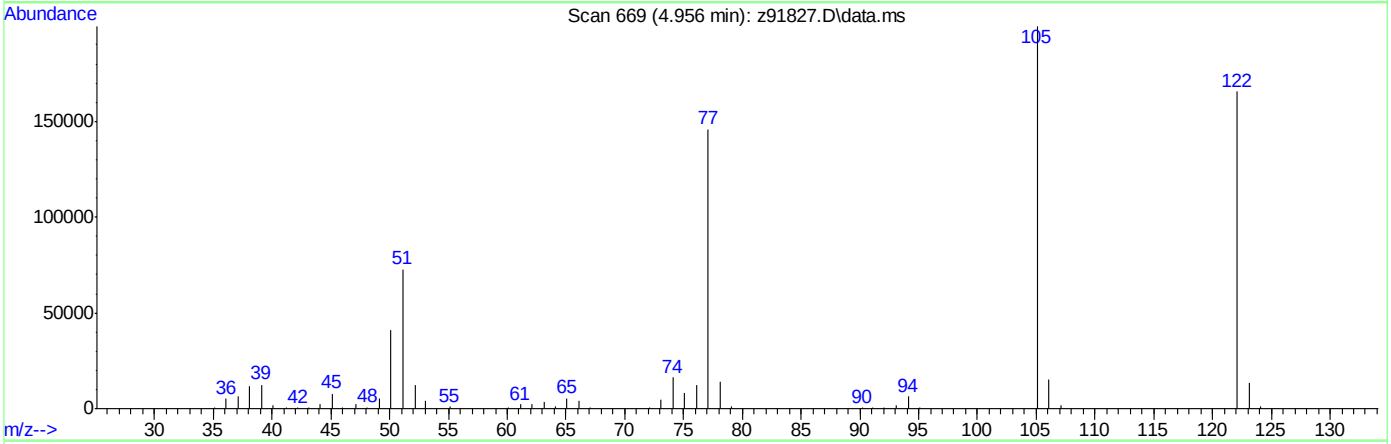
Z91827.D edits: Benzo[k]fluoranthene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 113.78ppb m

response 823849

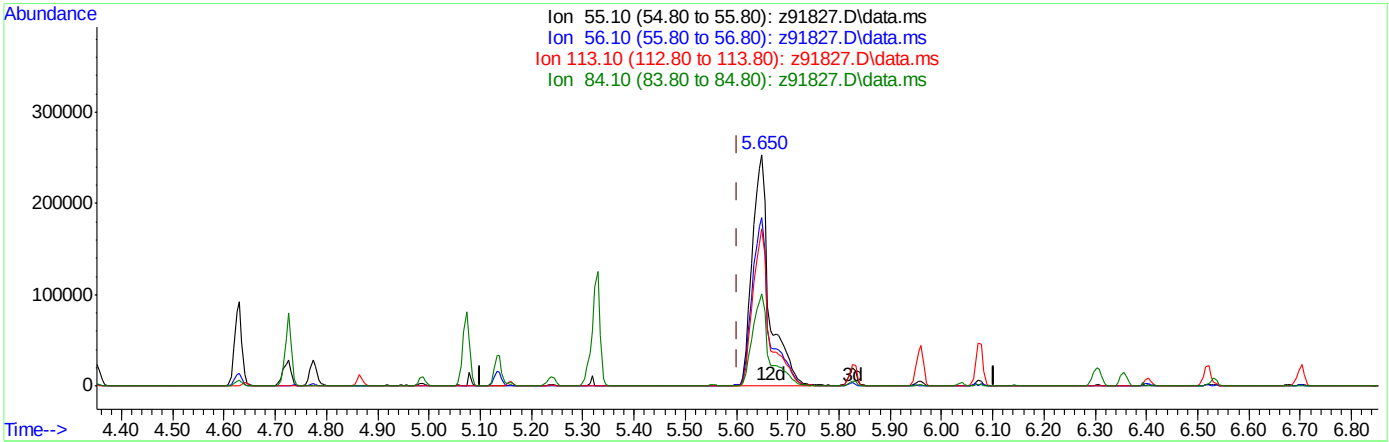
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	38.86#
77.10	33.90	64.59#
0.00	0.00	0.00

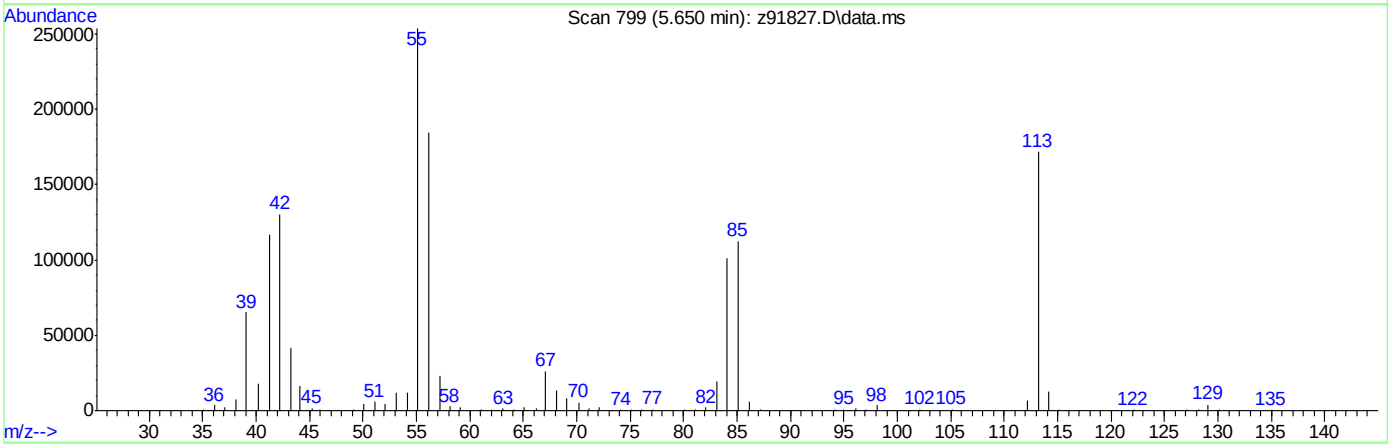
Z91827.D edits: Benzoic Acid

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(41) Caprolactam (t)

5.650min (+0.048) 89.04ppb m

response 604099

Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.83
113.10	67.30	67.71
84.10	40.00	39.82

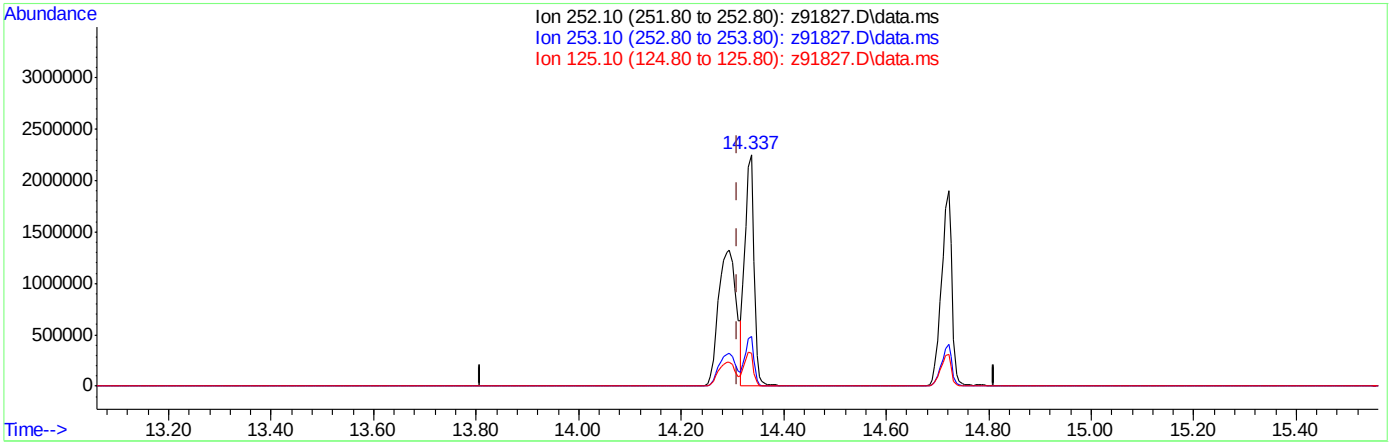
9.6.35.6

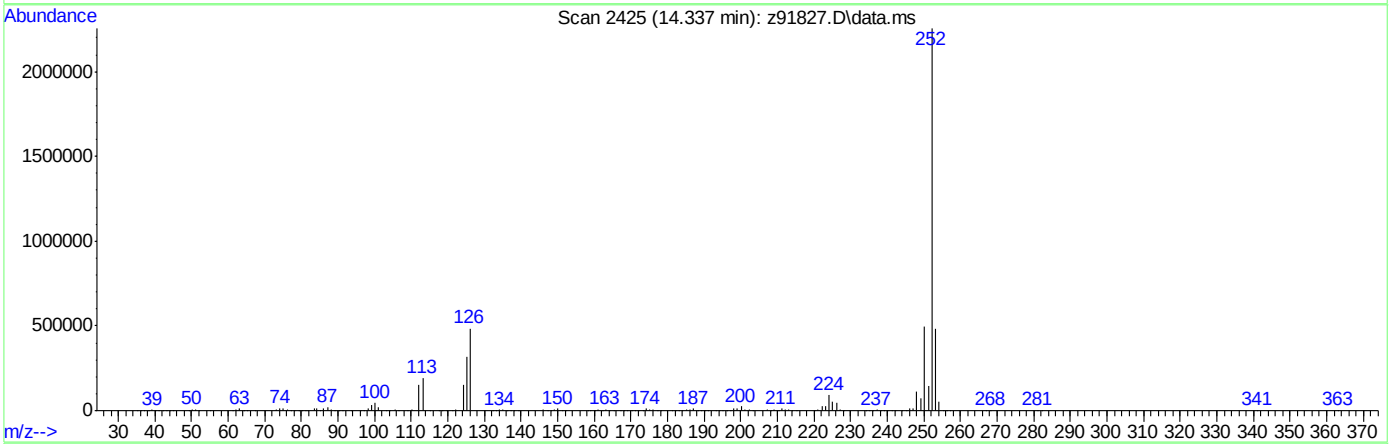
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.337min (+0.027) 77.08ppb m

response 2780015

Ion	Exp%	Act%
252.10	100	100
253.10	21.20	21.36
125.10	15.00	14.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	375632	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1490219	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	818513	40.00	ppb		0.00
69) Phenanthrene-d10	8.995	188	1391825	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1391683	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1272033	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	375632	40.00	ppb		0.00
104) Phenanthrene-d10a	8.995	188	1391825	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1391683	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	818513	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1490219	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	25915	2.02	ppb		0.00
Spiked Amount 50.000			Recovery =	4.04%			
8) Phenol-d5	3.439	99	33040	2.04	ppb		0.00
Spiked Amount 50.000			Recovery =	4.08%			
25) Nitrobenzene-d5	4.347	82	26932	2.05	ppb		0.00
Spiked Amount 50.000			Recovery =	4.10%			
51) 2-Fluorobiphenyl	6.398	172	54928	2.12	ppb		0.00
Spiked Amount 50.000			Recovery =	4.24%			
73) 2,4,6-Tribromophenol	8.140	330	5874	1.73	ppb		0.00
Spiked Amount 50.000			Recovery =	3.46%			
86) Terphenyl-d14	11.201	244	55462	1.98	ppb		0.00
Spiked Amount 50.000			Recovery =	3.96%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	13746	2.14	ppb		99
3) Pyridine	1.921	79	35736	2.14	ppb		99
4) N-Nitrosodimethylamine	1.889	74	18534	2.06	ppb		97
6) Indene	4.042	116	58444	2.30	ppb		99
7) Cumene	3.081	105	79073	2.20	ppb		99
9) Phenol	3.449	94	38015	2.10	ppb		99
10) Aniline	3.481	93	45149	2.29	ppb		93
11) bis(2-Chloroethyl)ether	3.524	93	26416	2.08	ppb		100
12) 2-Chlorophenol	3.594	128	29340	2.03	ppb		99
13) Decane	3.620	43	39839	2.32	ppb		90
14) 1,3-Dichlorobenzene	3.732	146	32933	2.11	ppb		98
15) 1,4-Dichlorobenzene	3.802	146	34119	2.14	ppb		99
16) Benzyl alcohol	3.919	108	18180	2.09	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	31722	2.12	ppb		98
18) Acetophenone	4.187	105	47342	2.28	ppb		97
19) 2-Methylphenol	4.037	108	25623	2.10	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.053	121	9270	2.21	ppb	#	79
21) 3&4-Methylphenol	4.192	108	26637	2.04	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.181	70	20140	2.20	ppb		87
23)	Hexachloroethane	4.304	201	10356	2.10	ppb		87
26)	Nitrobenzene	4.368	77	29884	2.06	ppb		98
27)	Quinoline	5.533	129	64399	2.16	ppb		100
28)	Isophorone	4.614	82	48372	2.02	ppb		99
29)	2-Nitrophenol	4.710	139	12877	1.89	ppb		84
30)	2,4-Dimethylphenol	4.769	107	17077	1.51	ppb		99
32)	bis(2-Chloroethoxy)met...	4.865	93	30587	2.10	ppb		94
33)	2,4-Dichlorophenol	4.983	162	20501	1.97	ppb		96
34)	2,6-Dichlorophenol	5.234	162	21534	2.11	ppb		98
35)	1,3,5-Trichlorobenzene	4.721	180	32997	2.28	ppb		99
36)	1,2,4-Trichlorobenzene	5.068	180	25911	2.09	ppb		95
37)	1,2,3-Trichlorobenzene	5.319	180	30751	2.24	ppb		96
38)	Naphthalene	5.153	128	89679	2.16	ppb		98
39)	4-Chloroaniline	5.228	127	35718	2.18	ppb		100
40)	2,3-Dichloroaniline	6.297	161	30980	2.18	ppb		96
41)	Caprolactam	5.586	55	14064	2.03	ppb		97
42)	Hexachlorobutadiene	5.308	225	14315	2.14	ppb		98
43)	4-Chloro-3-methylphenol	5.811	107	20804	1.88	ppb		95
44)	2-Methylnaphthalene	5.955	141	46938	2.08	ppb		99
45)	1-Methylnaphthalene	6.067	141	55440	2.23	ppb		98
46)	Dimethylnaphthalene	6.692	156	53924	2.14	ppb		99
48)	Hexachlorocyclopentadiene	6.152	237	23971	3.70	ppb		97
49)	2,4,6-Trichlorophenol	6.302	196	14062	1.98	ppb		95
50)	2,4,5-Trichlorophenol	6.345	196	13665	1.81	ppb		97
52)	2-Chloronaphthalene	6.526	162	51744	2.13	ppb		96
53)	Biphenyl	6.510	154	76496	2.21	ppb		100
54)	2-Nitroaniline	6.660	65	12046	1.80	ppb		96
55)	Dimethylphthalate	6.890	163	52559	2.02	ppb		97
56)	Acenaphthylene	7.018	152	78468	2.05	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	9213	1.73	ppb		97
58)	3-Nitroaniline	7.157	138	12260	1.82	ppb		95
59)	Acenaphthene	7.226	153	50958	2.11	ppb		99
60)	2,4-Dinitrophenol	7.280	184	3860	12.00	ppb		76
61)	4-Nitrophenol	7.403	109	4044	1.33	ppb	#	77
62)	Dibenzofuran	7.435	168	70887	2.11	ppb		86
63)	2,4-Dinitrotoluene	7.435	165	12878	1.77	ppb	#	40
64)	2,3,4,6-Tetrachlorophenol	7.600	232	10421	1.71	ppb		98
65)	Diethylphthalate	7.744	149	50814	2.01	ppb		97
66)	Fluorene	7.846	166	54207	2.06	ppb		98
67)	4-Chlorophenyl-phenyle...	7.862	204	25921	2.11	ppb		99
68)	4-Nitroaniline	7.889	138	11525	1.71	ppb		97
70)	4,6-Dinitro-2-methylph...	7.926	198	3744	0.84	ppb		92
71)	n-Nitrosodiphenylamine	8.006	169	36118	2.05	ppb		98
72)	1,2-Diphenylhydrazine	8.049	77	56231	2.05	ppb		96
74)	4-Bromophenyl-phenylether	8.450	248	14146	1.98	ppb		99
75)	Hexachlorobenzene	8.514	284	17880	2.10	ppb		94
76)	Pentachlorophenol	8.775	266	11784	2.90	ppb		99
77)	Phenanthrene	9.021	178	84515	2.09	ppb		98
78)	Anthracene	9.085	178	80334	2.05	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	9.310	167	85862	2.11	ppb	99
80) Di-n-butylphthalate	9.812	149	72038	1.80	ppb	99
81) Fluoranthene	10.613	202	76648	1.94	ppb	99
82) Octadecane	8.914	57	38940	2.04	ppb	95
84) Pyrene	10.928	202	83927	1.98	ppb	92
85) Butyl stearate	12.104	56	16402	1.43	ppb	96
87) Butylbenzylphthalate	11.965	149	26187	1.53	ppb	98
88) Benzo[a]anthracene	12.718	228	75959	1.98	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	22335	1.78	ppb	93
90) Chrysene	12.772	228	76414	2.01	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	32556	1.40	ppb	94
93) Di-n-octylphthalate	13.829	149	46651	2.11	ppb	98
94) Benzo[b]fluoranthene	14.267	252	68280	1.80	ppb	99
95) Benzo[k]fluoranthene	14.305	252	76642	1.96	ppb	99
96) Benzo[a]pyrene	14.700	252	69764	2.07	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.265	276	55985m	1.72	ppb	
98) Dibenz(a,h)acridine	15.929	279	57124	1.81	ppb	96
99) Dibenz[a,h]anthracene	16.308	278	60113	1.75	ppb	92
100) 7,12-Dimethylbenz(a)an...	14.267	256	11143	3.18	ppb	97
101) Benzo[g,h,i]perylene	16.687	276	63143	1.87	ppb	99

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

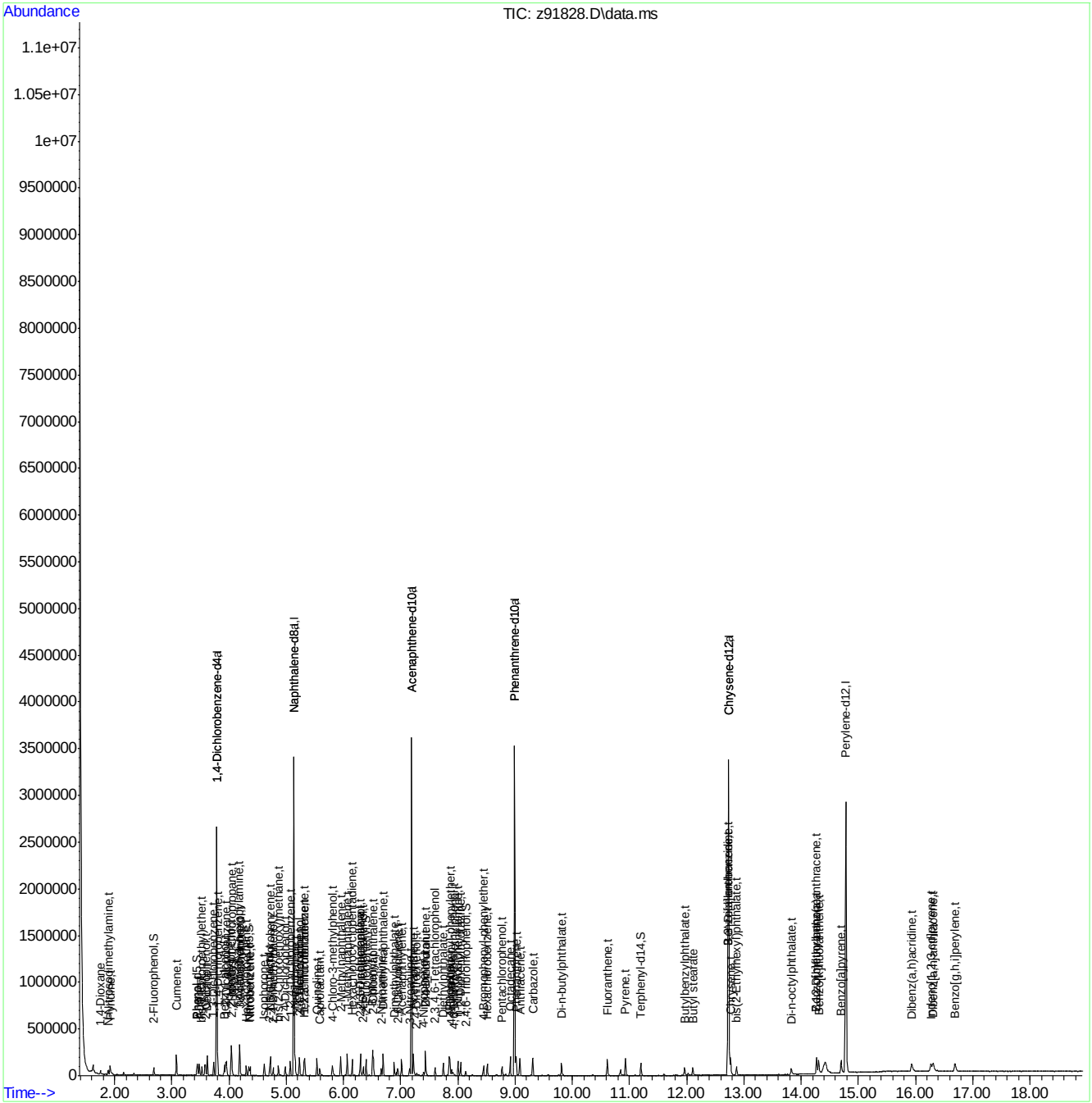
9.6.36

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

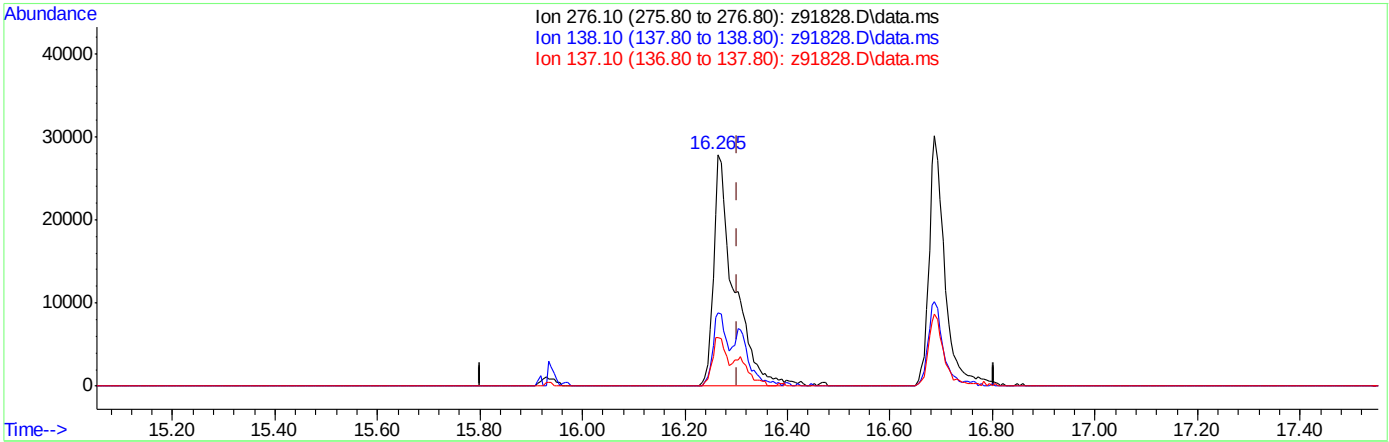
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91828.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:46	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

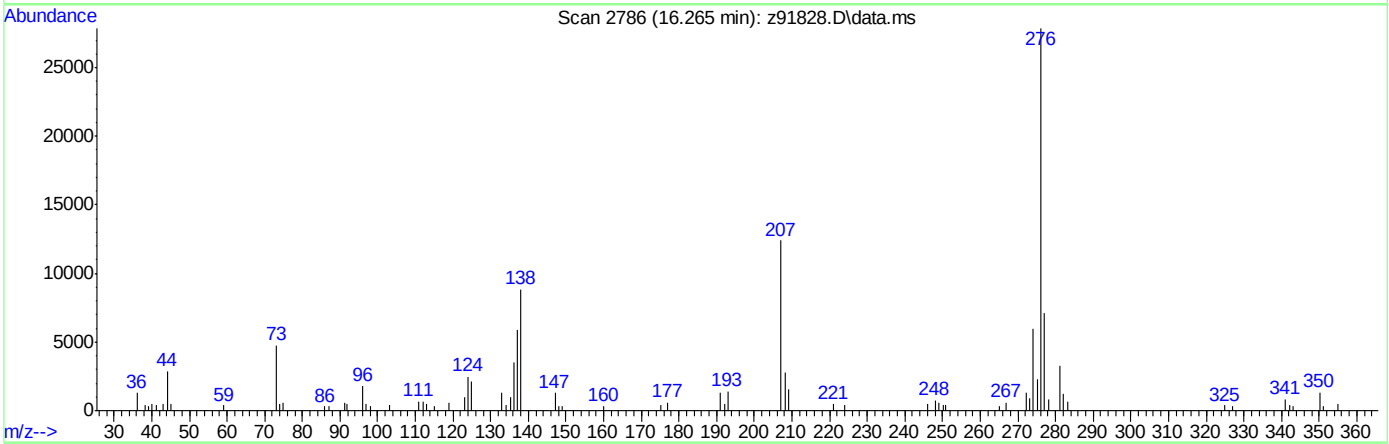
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.27	Poor instrument integration

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

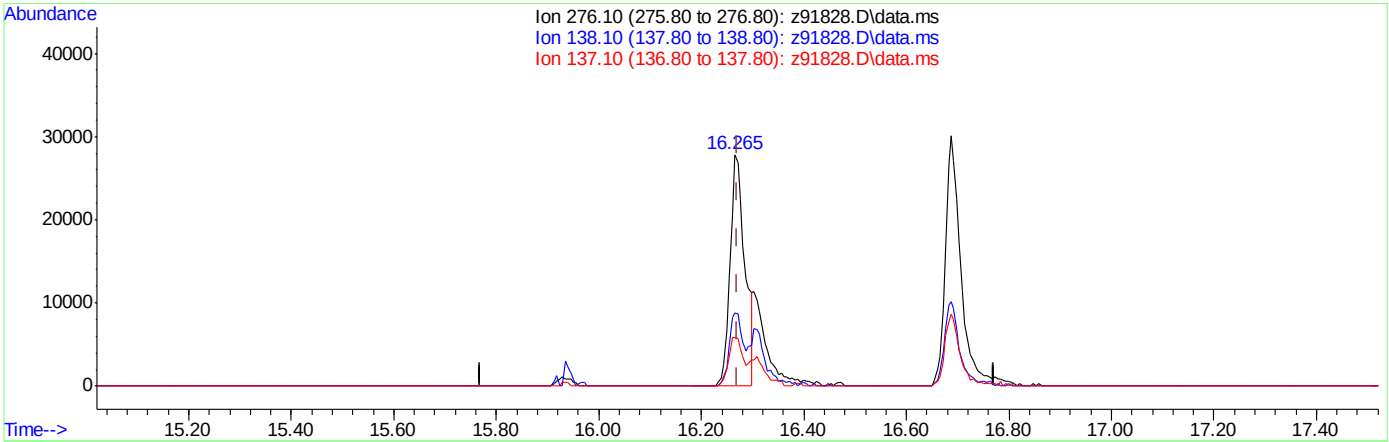
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.36
137.10	19.30	20.70
0.00	0.00	0.00

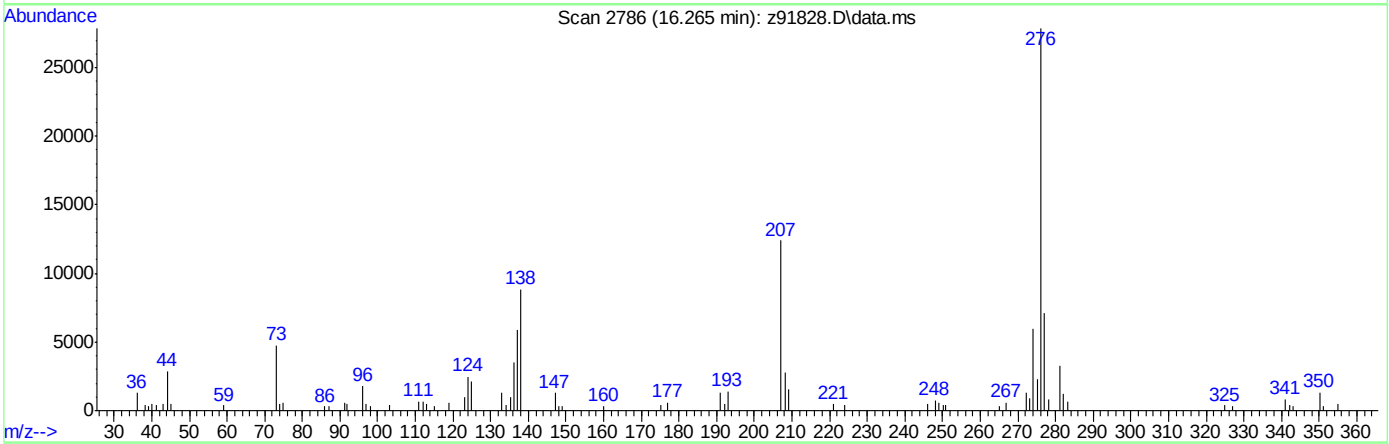
Z91828.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration





TIC: z91828.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.265min (-0.005) 1.72ppb m

response 55985

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.67
137.10	19.30	21.09
0.00	0.00	0.00

Z91828.D edits: Indeno[1,2,3-cd]pyrene

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

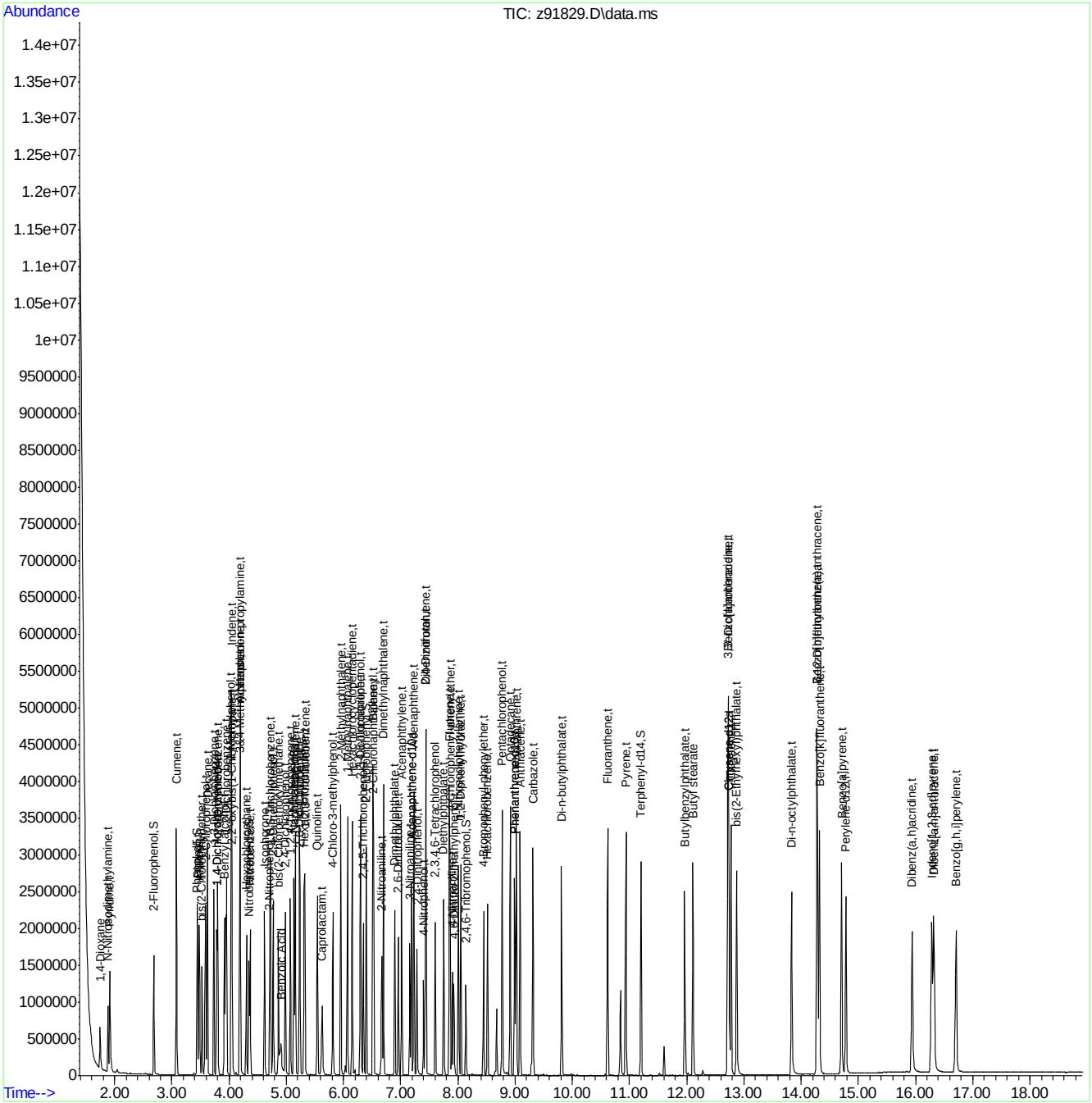
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.091	178	1504872	51.28	ppb	100
79) Carbazole	9.315	167	1418337	46.75	ppb	100
80) Di-n-butylphthalate	9.812	149	1666197	54.14	ppb	99
81) Fluoranthene	10.618	202	1545718	52.20	ppb	100
82) Octadecane	8.914	57	721672	50.48	ppb	96
84) Pyrene	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

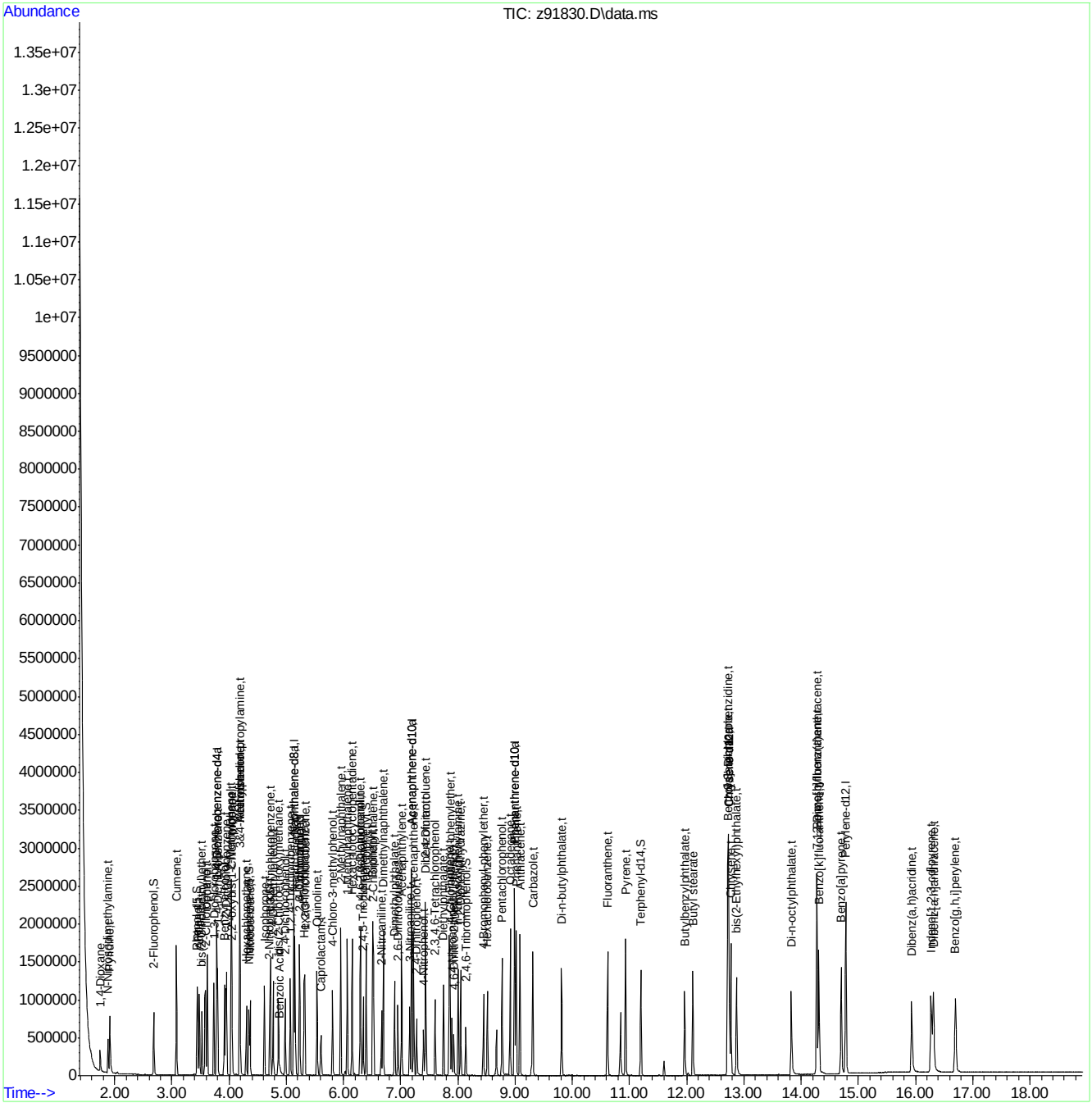
9.6.38

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

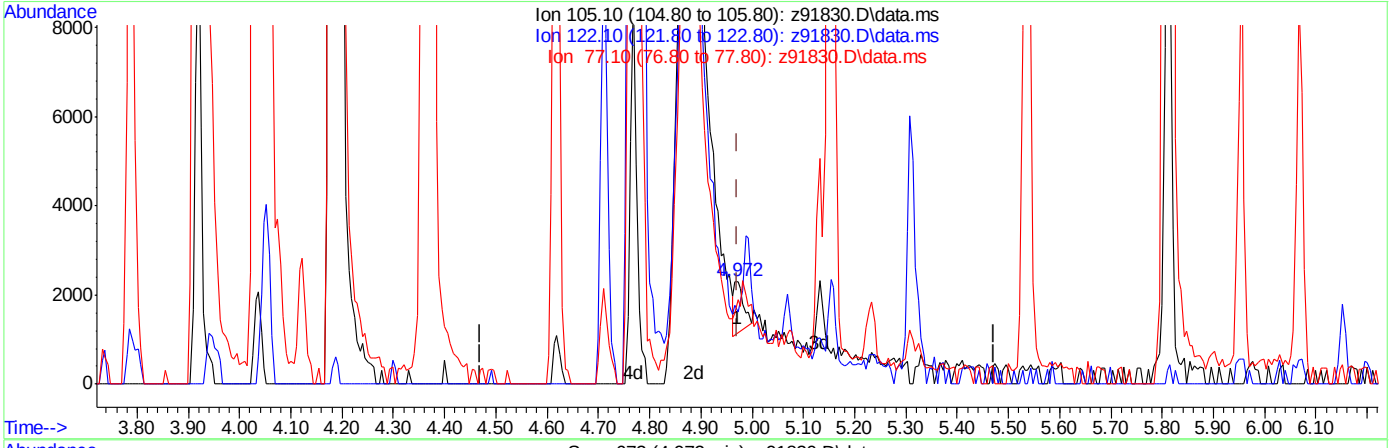
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91830.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 12:37	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

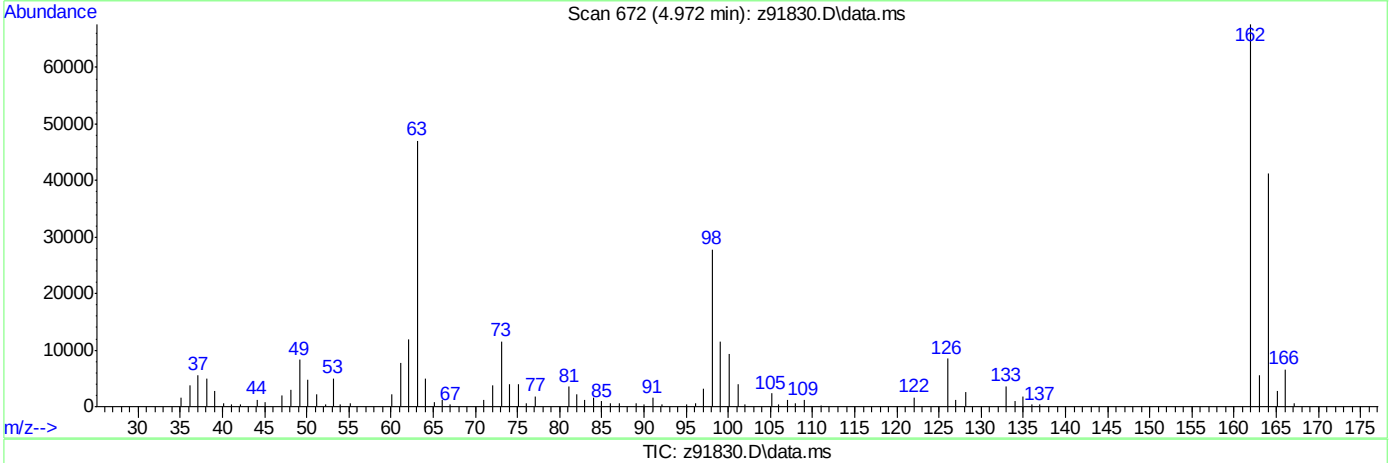
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.89	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		14.27	Poor instrument integration

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

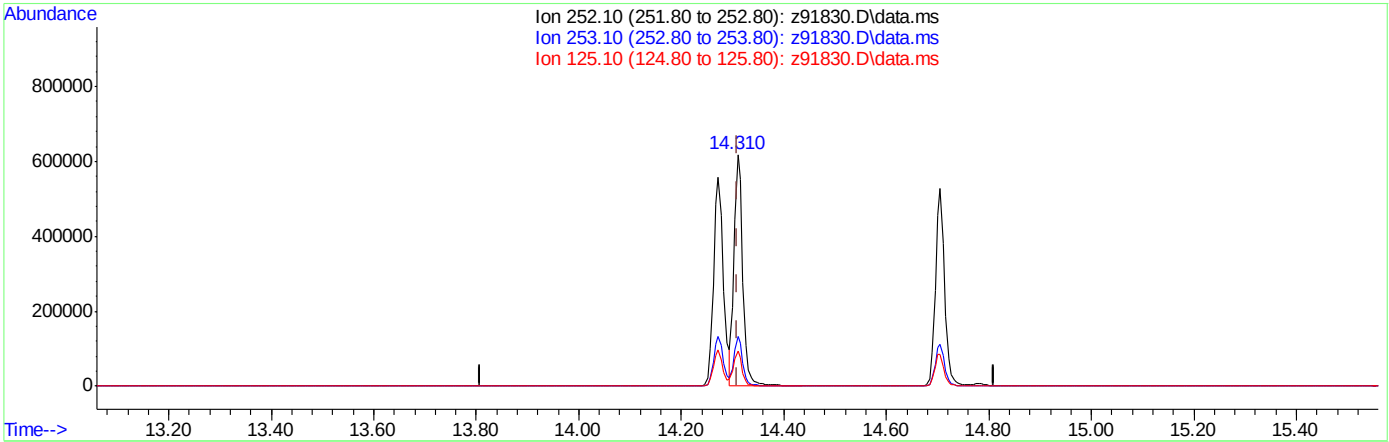
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	243.91#
77.10	33.90	103.13#
0.00	0.00	0.00

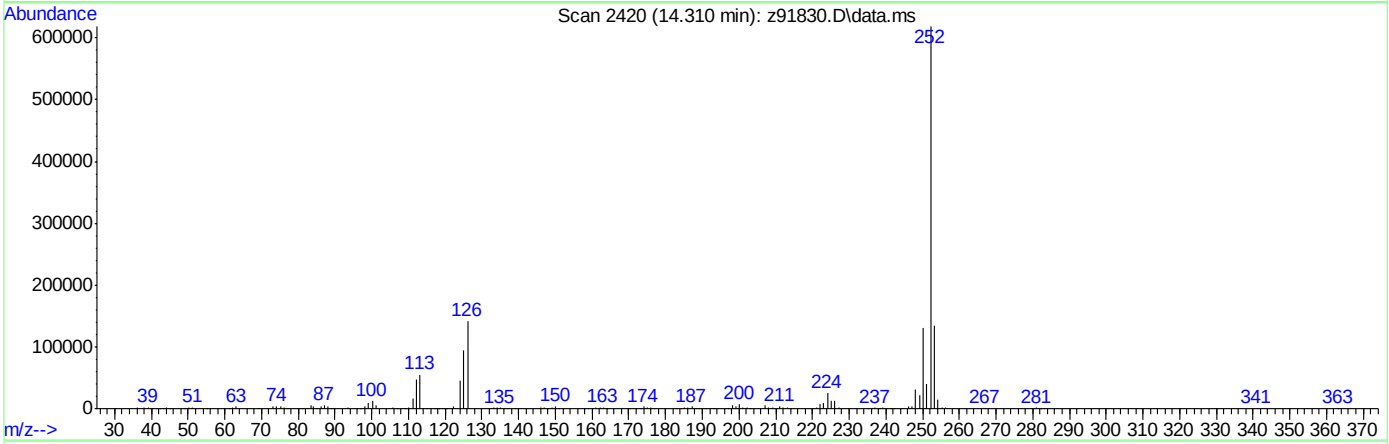
Z91830.D edits: Benzoic Acid

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:57:19 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

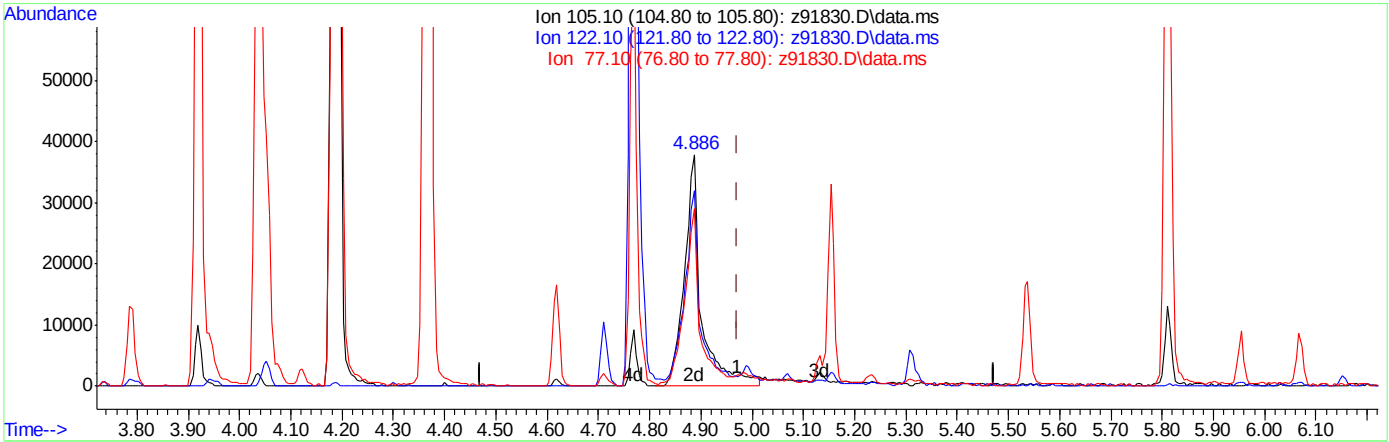
9.6.38.3

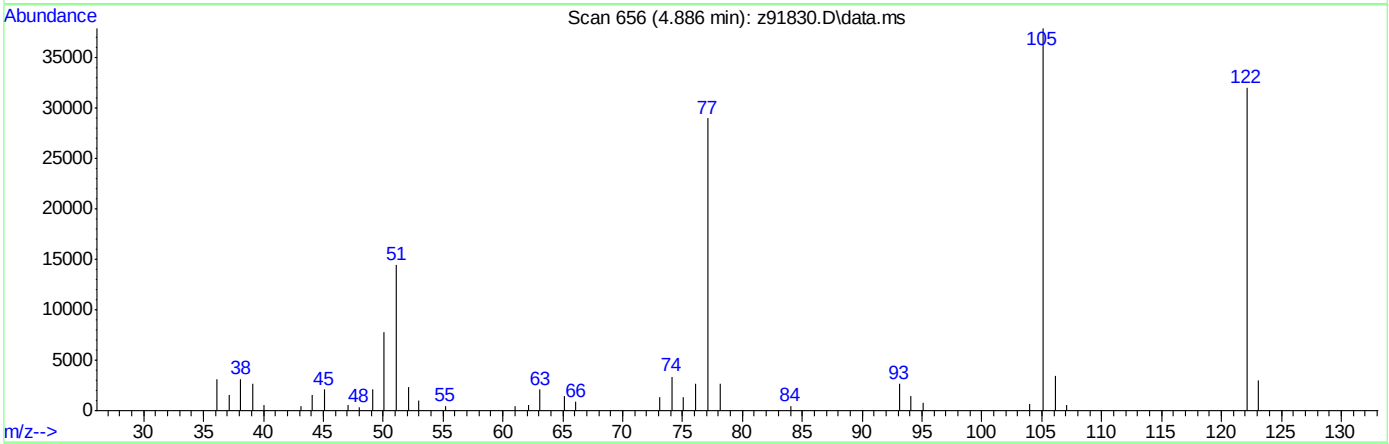
9

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

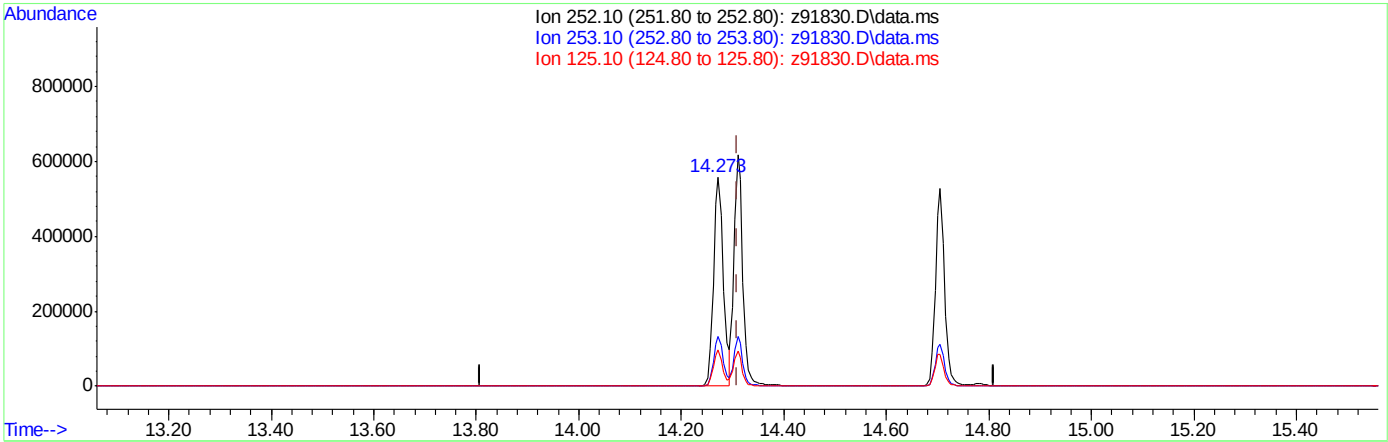
response 88658

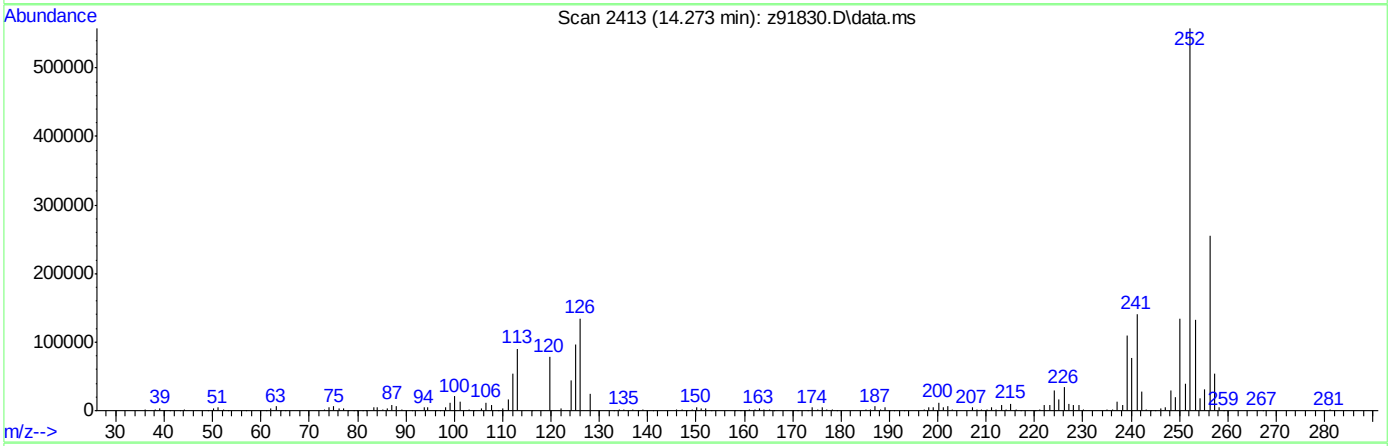
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	4.04#
77.10	33.90	1.71#
0.00	0.00	0.00

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

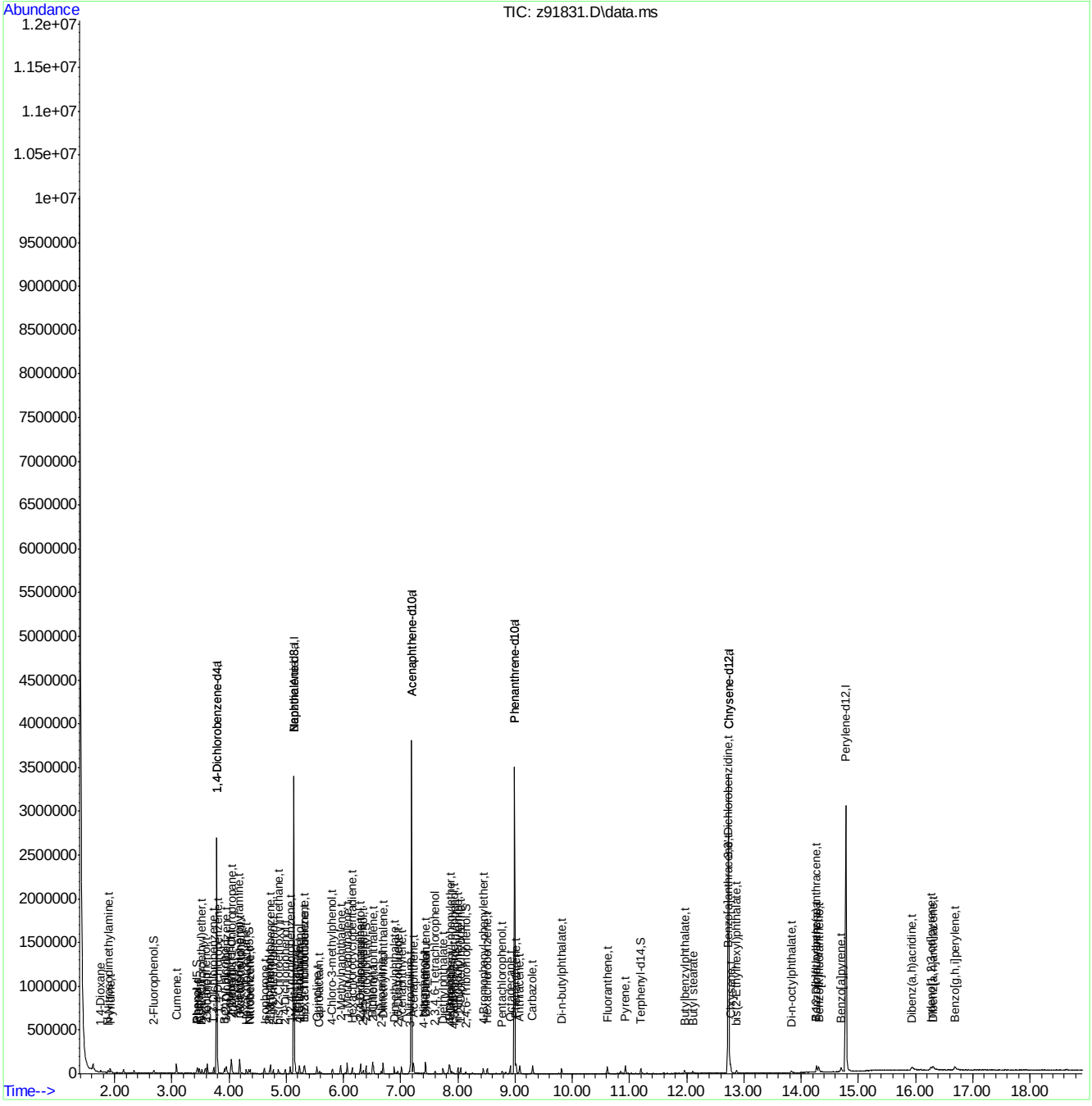
9.6.39

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



Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91831.D
Injection Time: 05/24/14 13:03

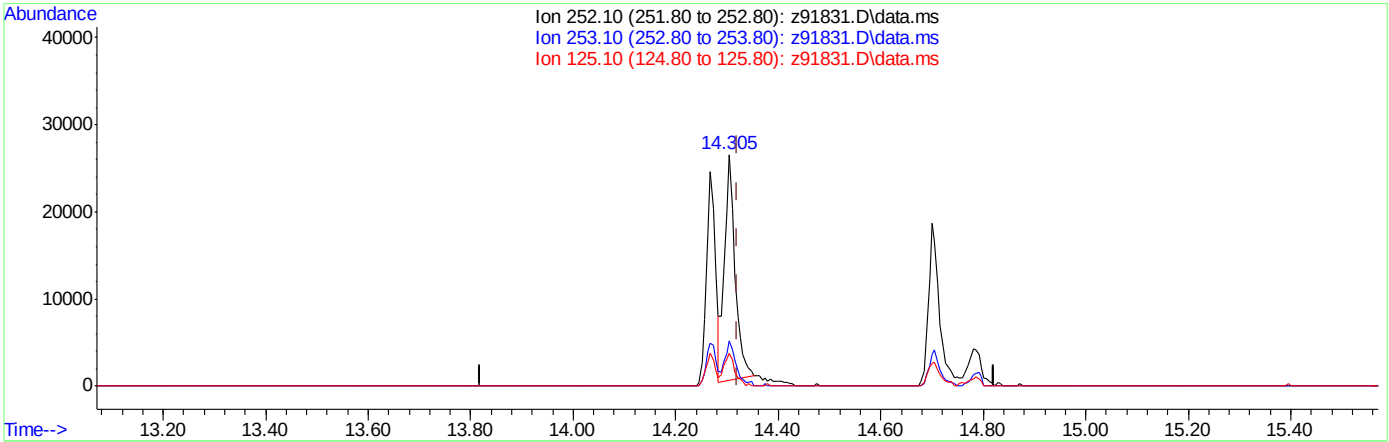
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 06/02/14 08:28 Cheng-Hwan Ao

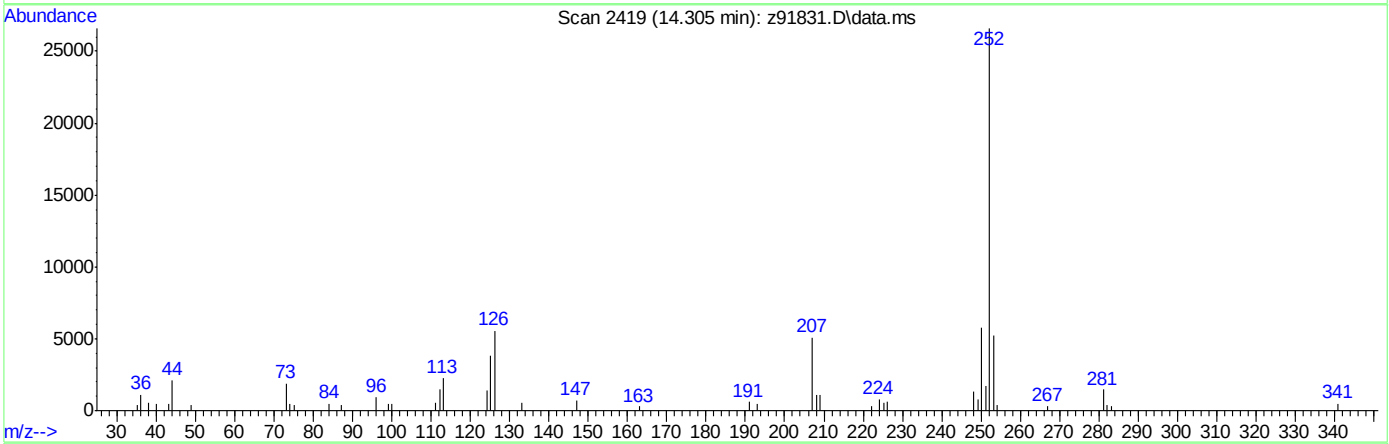
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		14.30	Poor instrument integration
Dibenz(a,h)acridine	226-36-8		15.93	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		16.31	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.69	Poor instrument integration

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

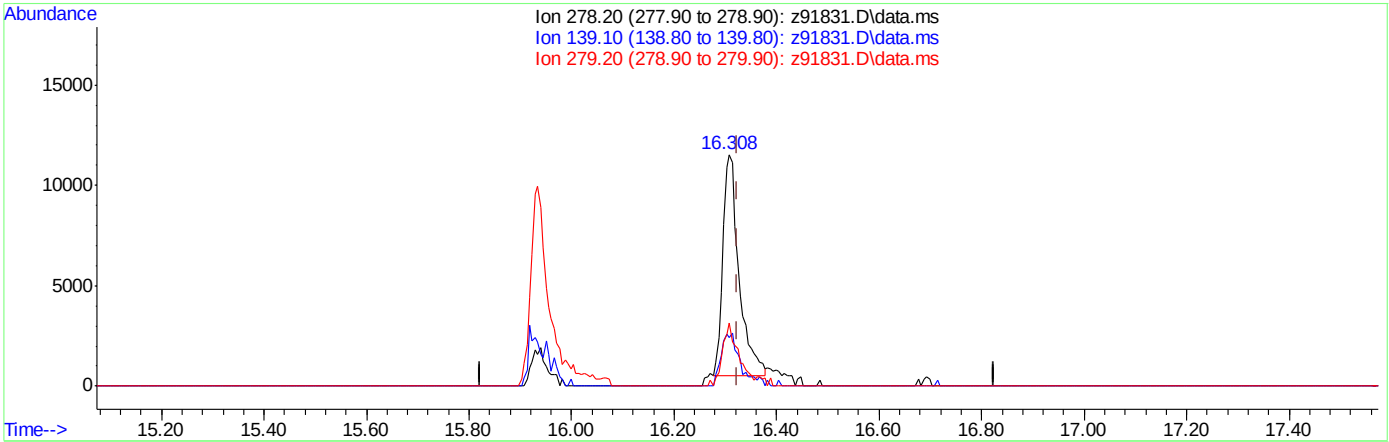
response 36756

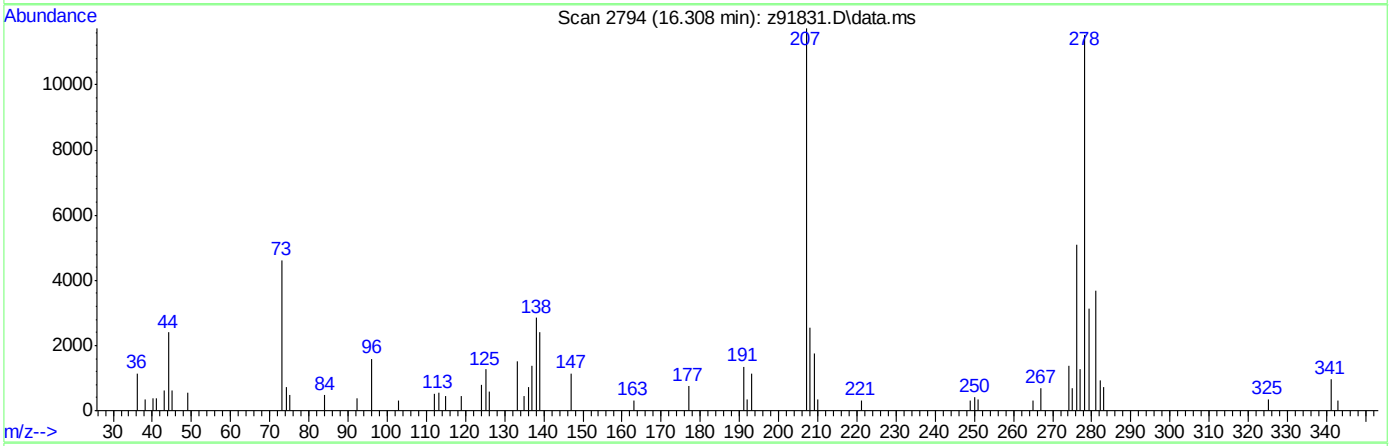
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.65
125.10	15.00	15.10
0.00	0.00	0.00

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

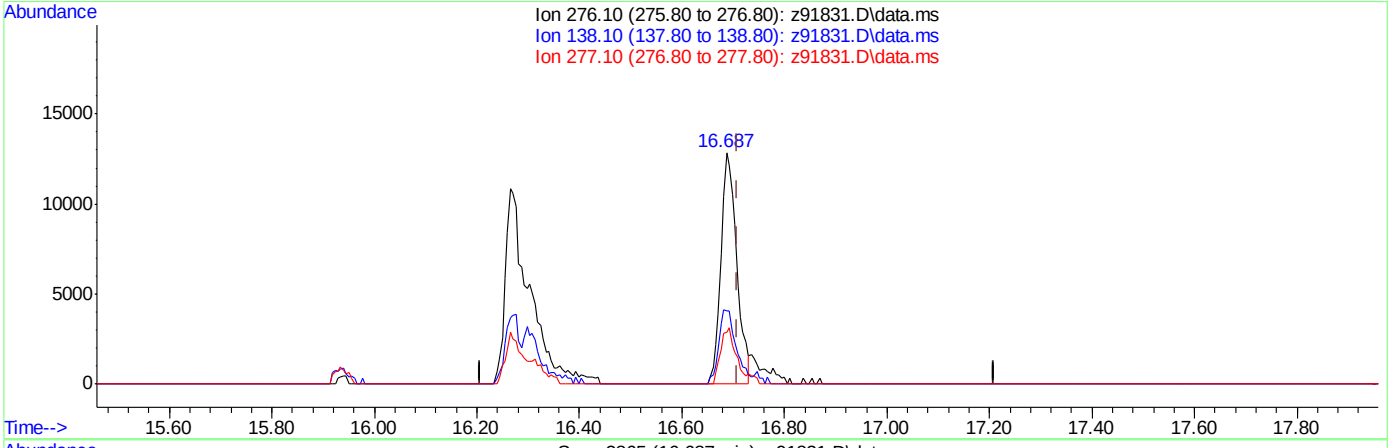
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	22.27
279.20	23.20	27.00
0.00	0.00	0.00

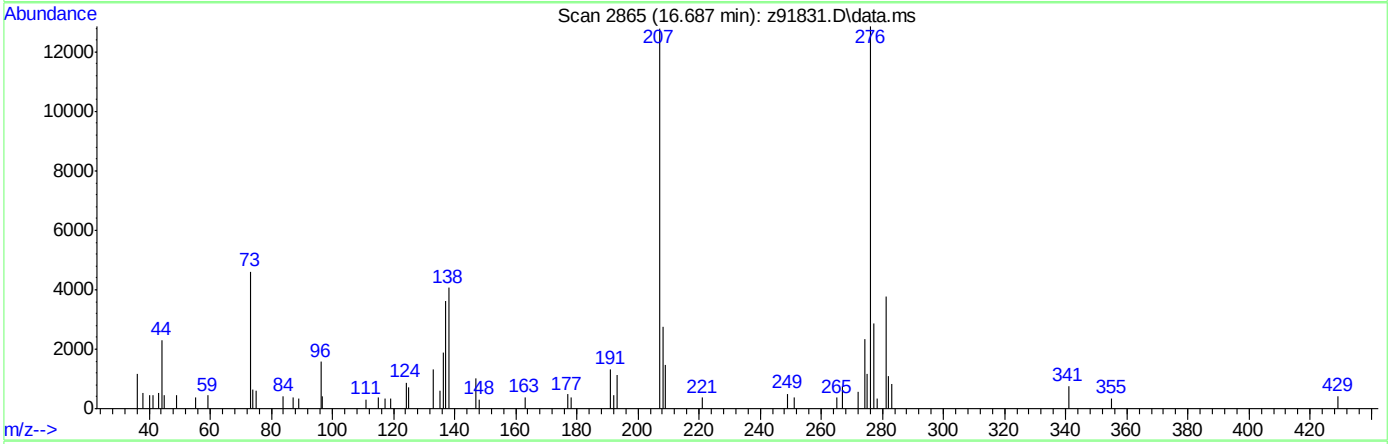
Z91831.D edits: Dibenz[a,h]anthracene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 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

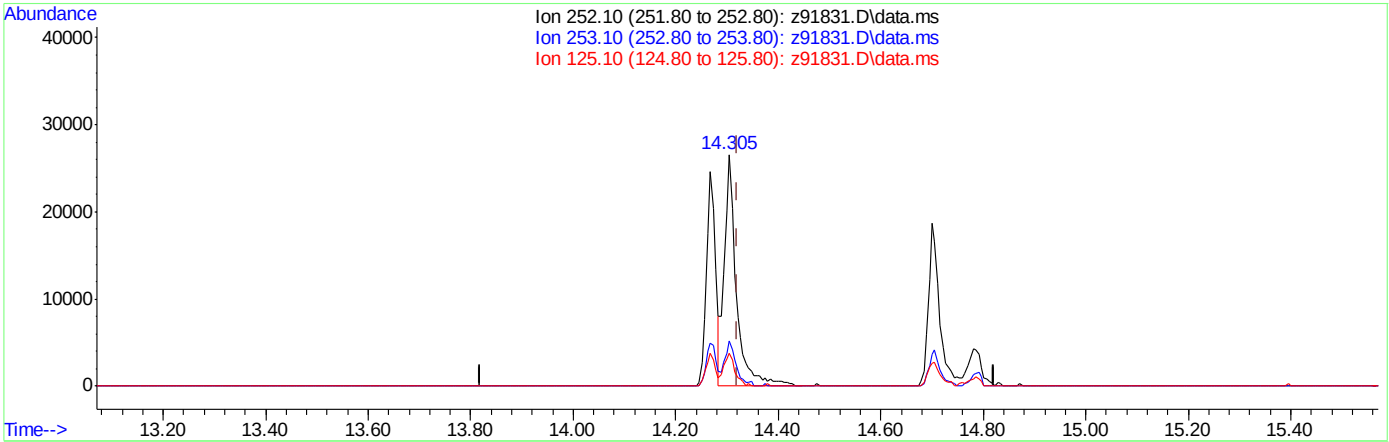
Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.44
277.10	23.60	21.46
0.00	0.00	0.00

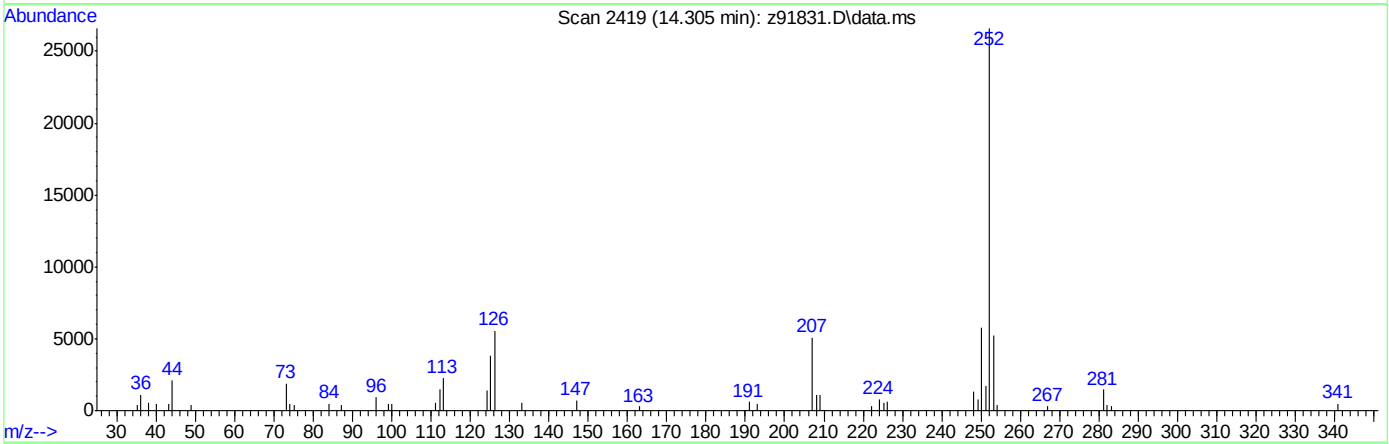
Z91831.D edits: Benzo[g,h,i]perylene

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

9.6.395

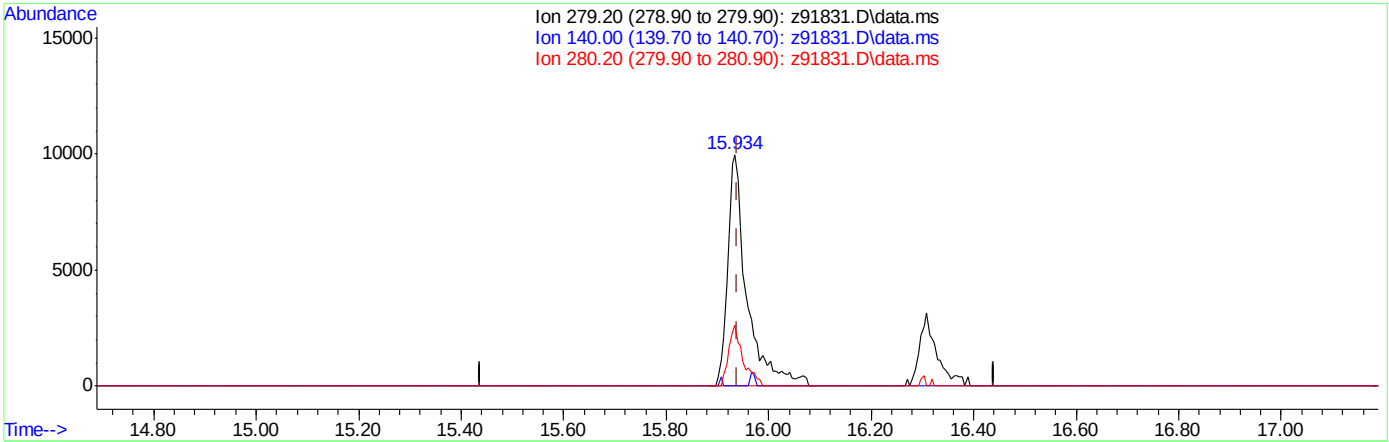
9

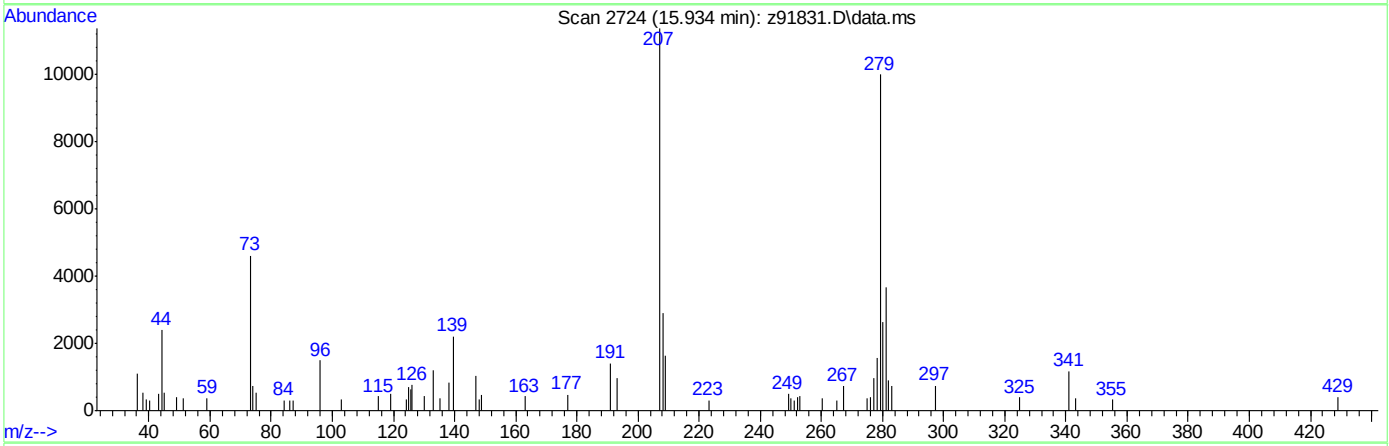
Z91831.D edits: Benzo[k]fluoranthene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(98) Dibenz(a,h)acridine (t)

15.934min (-0.005) 0.76ppb m

response 25885

Ion	Exp%	Act%
279.20	100	100
140.00	0.00	0.00
280.20	22.30	26.34
0.00	0.00	0.00

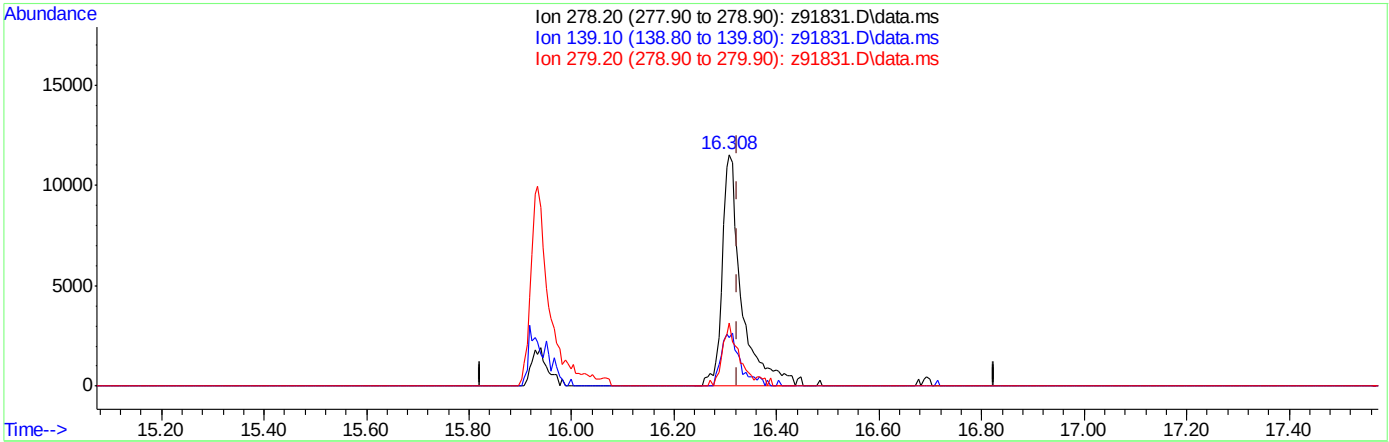
9.6.396

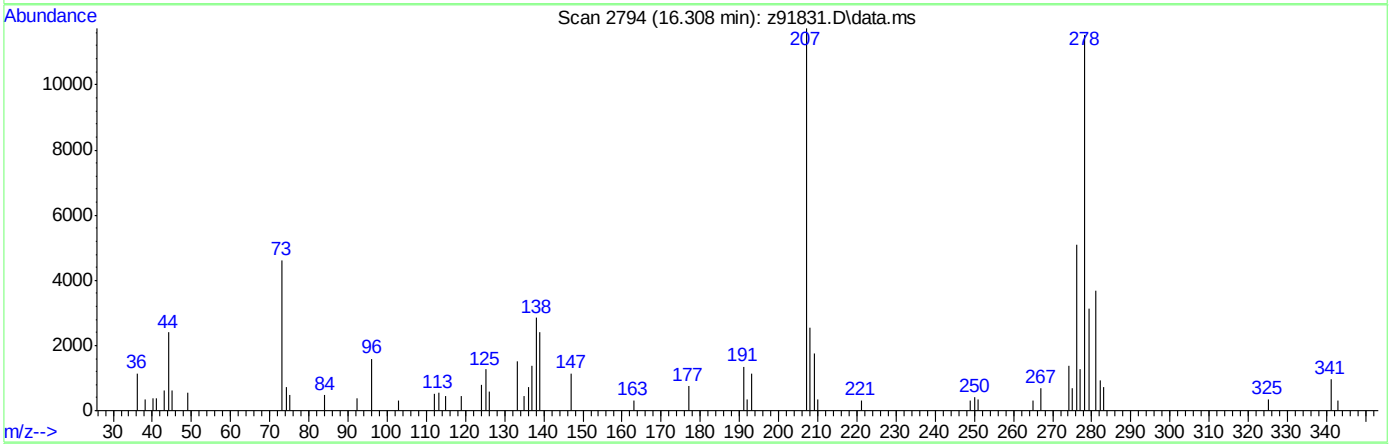
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(99) Dibenz[a,h]anthracene (t)

16.308min (-0.016) 0.82ppb m

response 30093

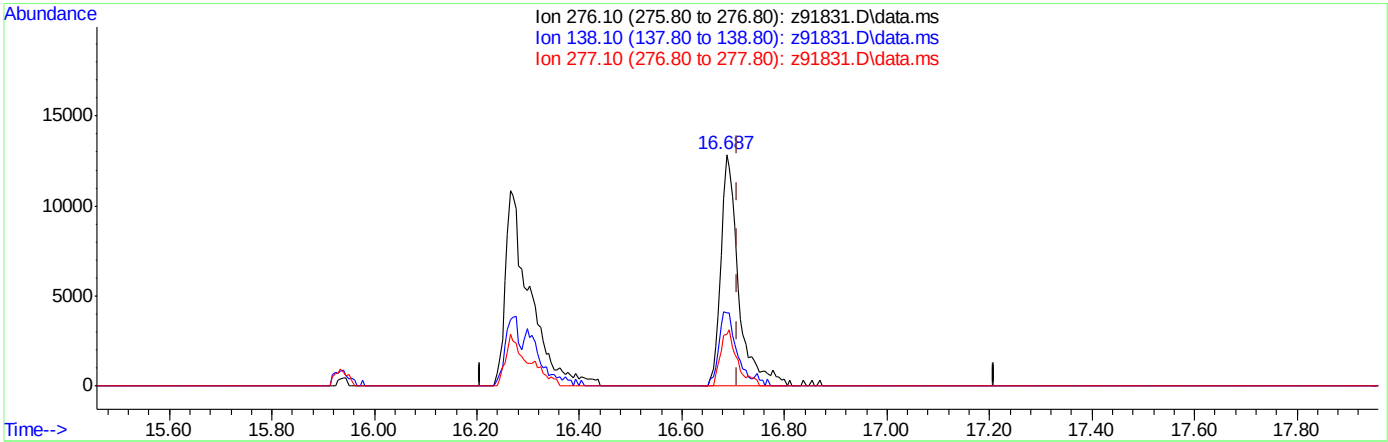
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	20.91
279.20	23.20	27.17
0.00	0.00	0.00

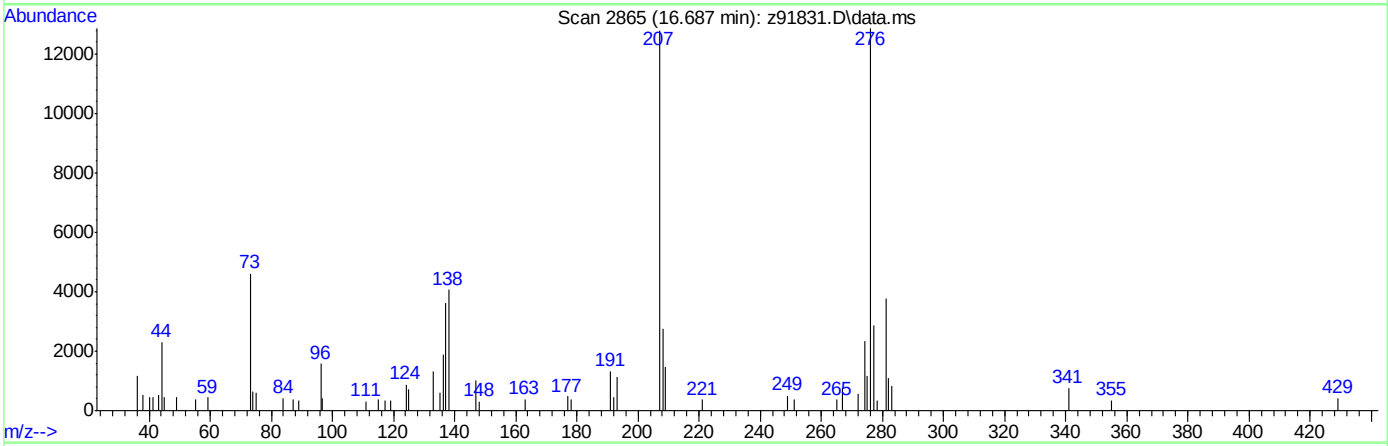
Z91831.D edits: Dibenz[a,h]anthracene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(101) Benzo[g,h,i]perylene (t)

16.687min (-0.021) 0.85ppb m

response 30763

Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.57
277.10	23.60	22.42
0.00	0.00	0.00

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

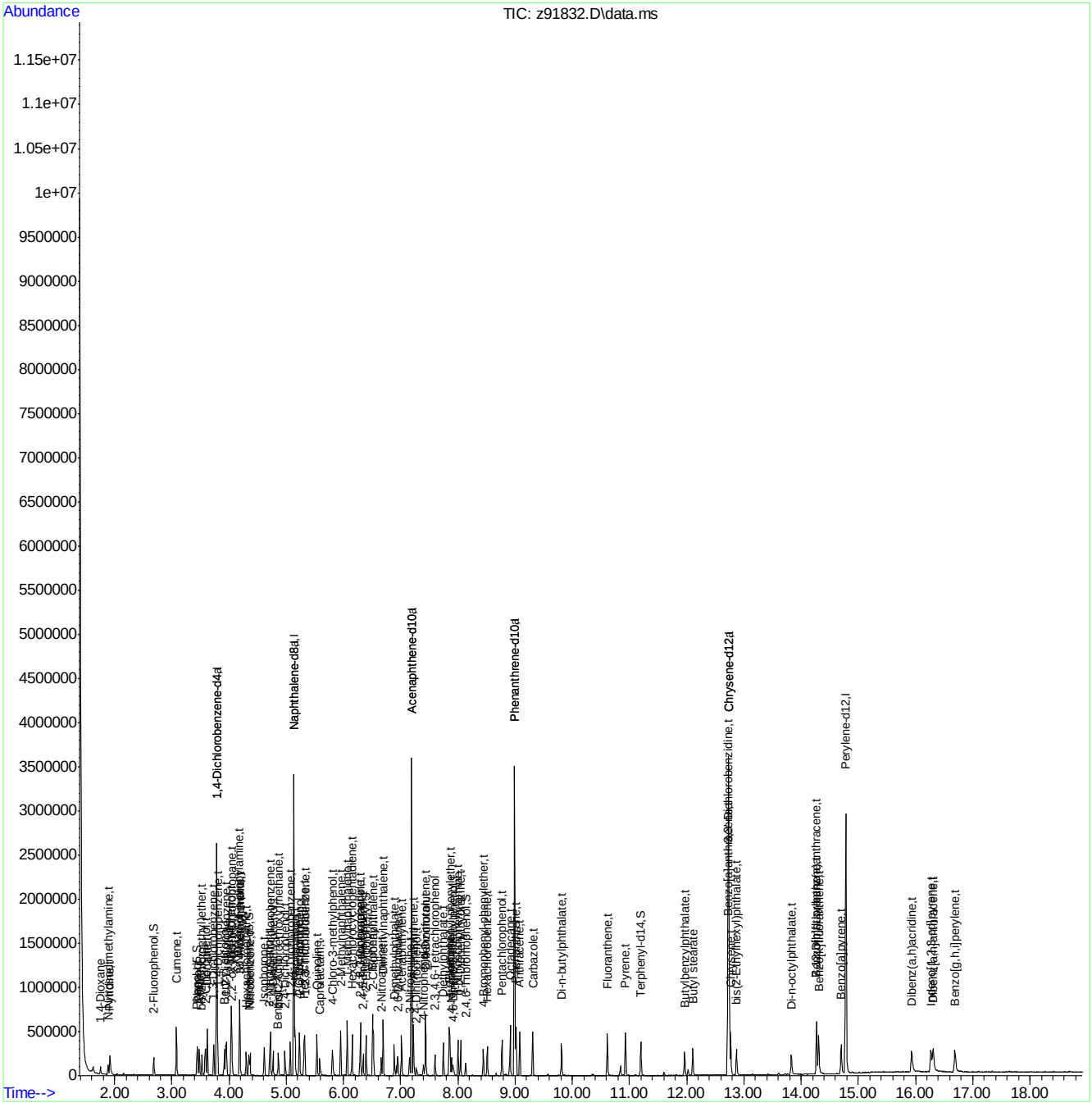
9.6.40

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	348443	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1381184	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	750411	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1289705	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1322716	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1174861	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348443	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1289705	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1322716	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	750411	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1381184	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.680	112	120646	10.13	ppb		0.00
Spiked Amount 50.000			Recovery =	20.26%			
8) Phenol-d5	3.433	99	151559	10.11	ppb		0.00
Spiked Amount 50.000			Recovery =	20.22%			
25) Nitrobenzene-d5	4.347	82	121593	9.99	ppb		0.00
Spiked Amount 50.000			Recovery =	19.98%			
51) 2-Fluorobiphenyl	6.398	172	249372	10.48	ppb		0.00
Spiked Amount 50.000			Recovery =	20.96%			
73) 2,4,6-Tribromophenol	8.140	330	31992	10.15	ppb		0.00
Spiked Amount 50.000			Recovery =	20.30%			
86) Terphenyl-d14	11.196	244	268365	10.09	ppb		0.00
Spiked Amount 50.000			Recovery =	20.18%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	61170	10.25	ppb		100
3) Pyridine	1.916	79	161376	10.44	ppb		98
4) N-Nitrosodimethylamine	1.884	74	85107	10.19	ppb		97
6) Indene	4.042	116	258922	10.97	ppb		99
7) Cumene	3.081	105	355167	10.64	ppb		100
9) Phenol	3.449	94	169341	10.06	ppb		91
10) Aniline	3.481	93	182669	9.99	ppb		96
11) bis(2-Chloroethyl)ether	3.524	93	118872	10.08	ppb		99
12) 2-Chlorophenol	3.594	128	137529	10.25	ppb		98
13) Decane	3.620	43	172025	10.78	ppb		91
14) 1,3-Dichlorobenzene	3.738	146	149983	10.38	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	150523	10.17	ppb		98
16) Benzyl alcohol	3.919	108	81427	10.08	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	142814	10.29	ppb		100
18) Acetophenone	4.186	105	207710	10.77	ppb		95
19) 2-Methylphenol	4.037	108	119609	10.59	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.053	121	40744	10.45	ppb	#	82
21) 3&4-Methylphenol	4.192	108	129709	10.69	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.181	70	88494	10.41	ppb		90
23)	Hexachloroethane	4.304	201	47006	10.27	ppb		88
26)	Nitrobenzene	4.368	77	135734	10.09	ppb		98
27)	Quinoline	5.533	129	286922	10.37	ppb		100
28)	Isophorone	4.614	82	225965	10.17	ppb		98
29)	2-Nitrophenol	4.710	139	63736	10.12	ppb		88
30)	2,4-Dimethylphenol	4.769	107	102240	9.73	ppb		99
31)	Benzoic Acid	4.860	105	22863	3.89	ppb	#	58
32)	bis(2-Chloroethoxy)met...	4.865	93	137685	10.19	ppb		98
33)	2,4-Dichlorophenol	4.977	162	99384	10.32	ppb		99
34)	2,6-Dichlorophenol	5.234	162	100151	10.60	ppb		99
35)	1,3,5-Trichlorobenzene	4.721	180	142844	10.63	ppb		98
36)	1,2,4-Trichlorobenzene	5.068	180	118452	10.32	ppb		98
37)	1,2,3-Trichlorobenzene	5.324	180	133363	10.50	ppb		98
38)	Naphthalene	5.153	128	393051	10.20	ppb		99
39)	4-Chloroaniline	5.228	127	159024	10.47	ppb		99
40)	2,3-Dichloroaniline	6.297	161	142135	10.78	ppb		98
41)	Caprolactam	5.592	55	65446	10.20	ppb		95
42)	Hexachlorobutadiene	5.308	225	63201	10.19	ppb		98
43)	4-Chloro-3-methylphenol	5.811	107	102183	9.98	ppb		95
44)	2-Methylnaphthalene	5.955	141	215826	10.31	ppb		98
45)	1-Methylnaphthalene	6.067	141	246324	10.68	ppb		99
46)	Dimethylnaphthalene	6.692	156	250244	10.71	ppb		97
48)	Hexachlorocyclopentadiene	6.152	237	126261	21.28	ppb		99
49)	2,4,6-Trichlorophenol	6.302	196	69302	10.64	ppb		98
50)	2,4,5-Trichlorophenol	6.345	196	71616	10.37	ppb		96
52)	2-Chloronaphthalene	6.526	162	232687	10.42	ppb		97
53)	Biphenyl	6.510	154	348852	10.99	ppb		98
54)	2-Nitroaniline	6.660	65	62798	10.26	ppb		86
55)	Dimethylphthalate	6.890	163	243879	10.23	ppb		99
56)	Acenaphthylene	7.018	152	371219	10.58	ppb		99
57)	2,6-Dinitrotoluene	6.954	165	50377	10.31	ppb		98
58)	3-Nitroaniline	7.157	138	61961	10.04	ppb		97
59)	Acenaphthene	7.226	153	229487	10.34	ppb		99
60)	2,4-Dinitrophenol	7.280	184	37967	21.20	ppb		95
61)	4-Nitrophenol	7.397	109	25720	9.21	ppb	#	78
62)	Dibenzofuran	7.435	168	322688	10.48	ppb		87
63)	2,4-Dinitrotoluene	7.435	165	72166	10.82	ppb		55
64)	2,3,4,6-Tetrachlorophenol	7.600	232	56947	10.18	ppb		97
65)	Diethylphthalate	7.744	149	240711	10.37	ppb		99
66)	Fluorene	7.846	166	252511	10.49	ppb		98
67)	4-Chlorophenyl-phenyle...	7.862	204	119446	10.60	ppb		99
68)	4-Nitroaniline	7.889	138	64014	10.34	ppb		100
70)	4,6-Dinitro-2-methylph...	7.921	198	30521	7.37	ppb		92
71)	n-Nitrosodiphenylamine	8.006	169	168267	10.30	ppb		98
72)	1,2-Diphenylhydrazine	8.049	77	261058	10.27	ppb		96
74)	4-Bromophenyl-phenylether	8.450	248	66913	10.10	ppb		96
75)	Hexachlorobenzene	8.519	284	80977	10.25	ppb		97
76)	Pentachlorophenol	8.770	266	77145	19.20	ppb		97
77)	Phenanthrene	9.021	178	386892	10.31	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

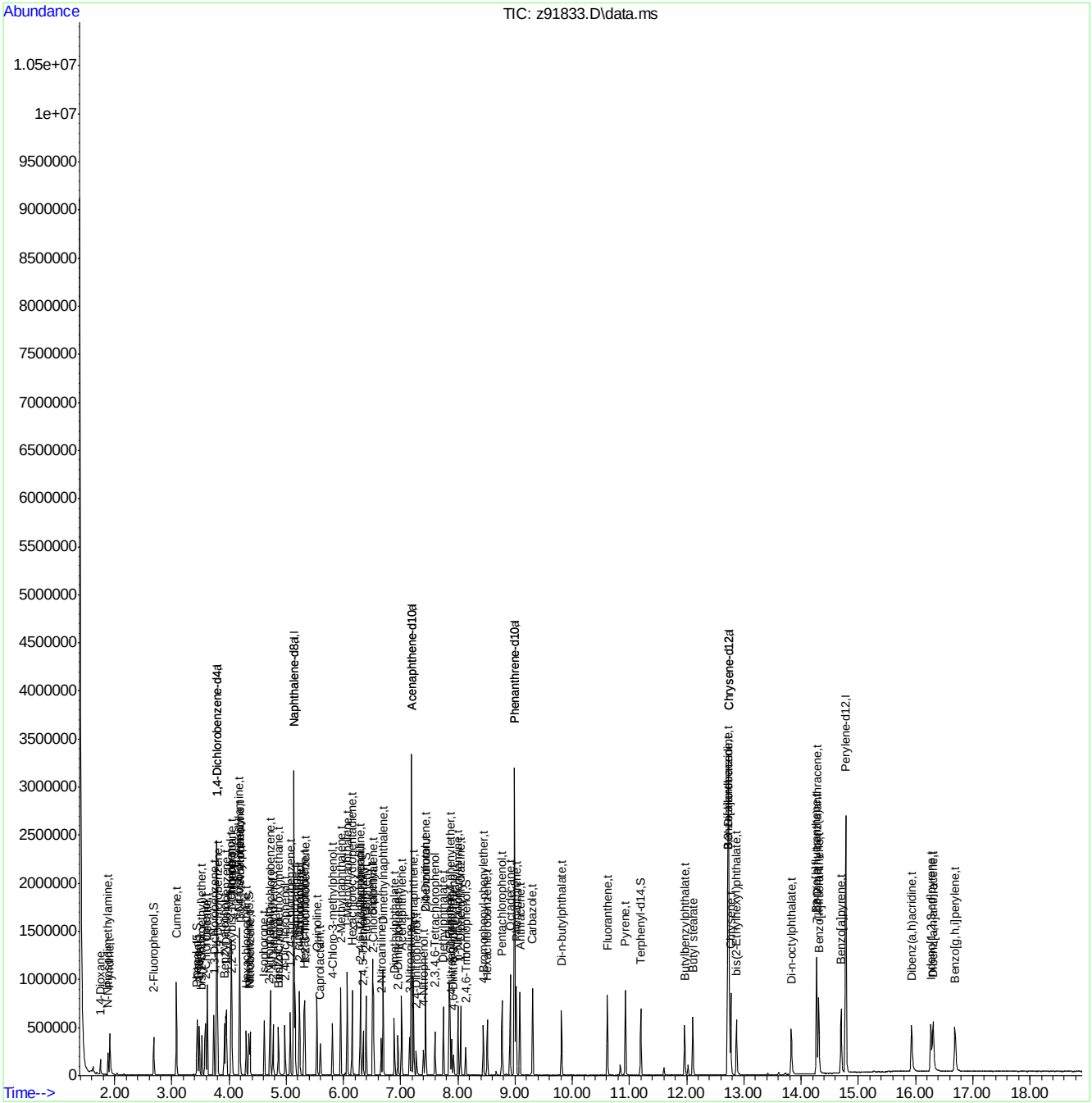
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	375513	10.33	ppb	99
79) Carbazole	9.304	167	401956	10.67	ppb	100
80) Di-n-butylphthalate	9.812	149	382808	10.35	ppb	100
81) Fluoranthene	10.613	202	377386	10.33	ppb	99
82) Octadecane	8.914	57	199420	11.26	ppb	94
84) Pyrene	10.928	202	409436	10.15	ppb	96
85) Butyl stearate	12.104	56	102757	9.44	ppb	96
87) Butylbenzylphthalate	11.959	149	150824	9.27	ppb	95
88) Benzo[a]anthracene	12.718	228	360526	9.91	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	123498	10.33	ppb	99
90) Chrysene	12.771	228	362519	10.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	206398	9.34	ppb	100
93) Di-n-octylphthalate	13.829	149	321229	9.95	ppb	98
94) Benzo[b]fluoranthene	14.267	252	369086	10.54	ppb	98
95) Benzo[k]fluoranthene	14.305	252	377874	10.45	ppb	99
96) Benzo[a]pyrene	14.700	252	321732	10.34	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.271	276	311595	10.39	ppb	97
98) Dibenz(a,h)acridine	15.929	279	310870	10.64	ppb	99
99) Dibenz[a,h]anthracene	16.308	278	329853	10.43	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.273	256	118704	8.71	ppb	96
101) Benzo[g,h,i]perylene	16.693	276	323624	10.35	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

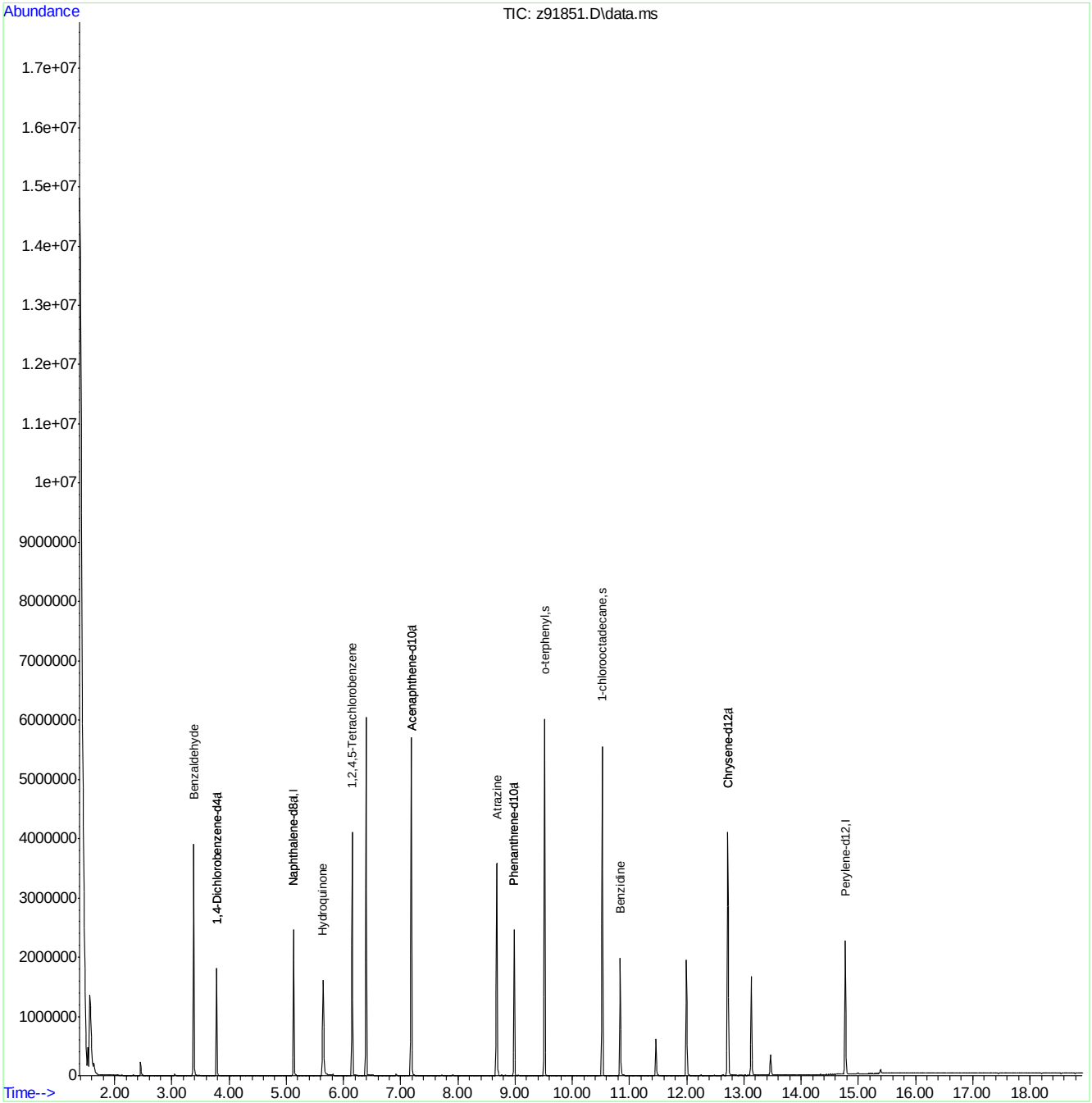
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	266639	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1071748	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	559571	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1000276	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1012159	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	953261	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	266639	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1000276	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1012159	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	559571	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1071748	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	9.518	230	1379606	135.49	ppb	0.00
Spiked Amount 50.000			Recovery =	270.98%		
109) 1-chlorooctadecane	10.528	57	845609	129.61	ppb	0.00
Spiked Amount 50.000			Recovery =	259.22%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	684590	131.97	ppb	86
105) Atrazine	8.685	215	260088	135.59	ppb #	77
108) Benzidine	10.837	184	875234	129.70	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	725743	138.03	ppb	98
113) Hydroquinone	5.645	110	1000859	127.80	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



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

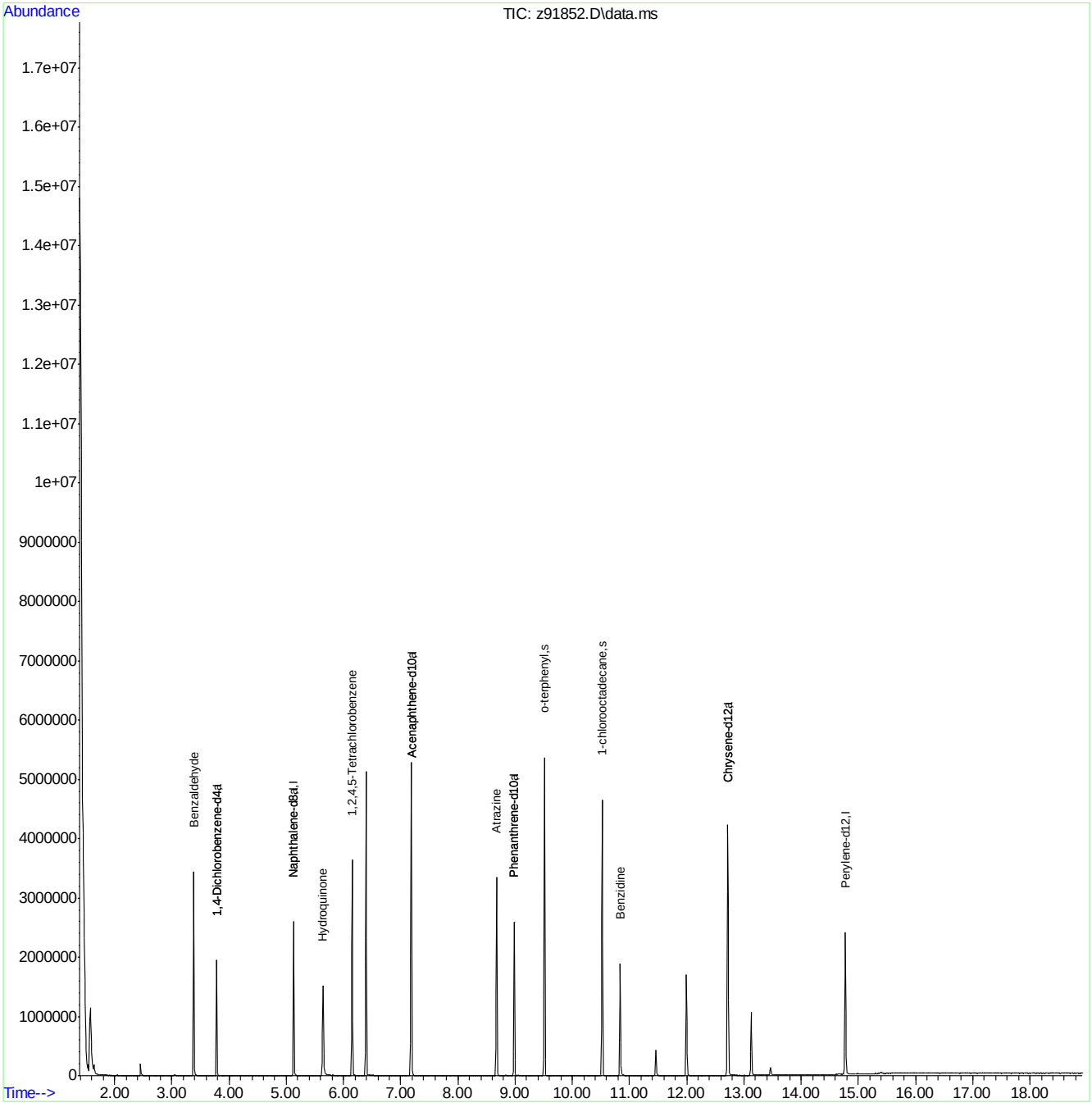
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	281976	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1135711	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	601679	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1051655	40.00	ppb	0.00
83) Chrysene-d12	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



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

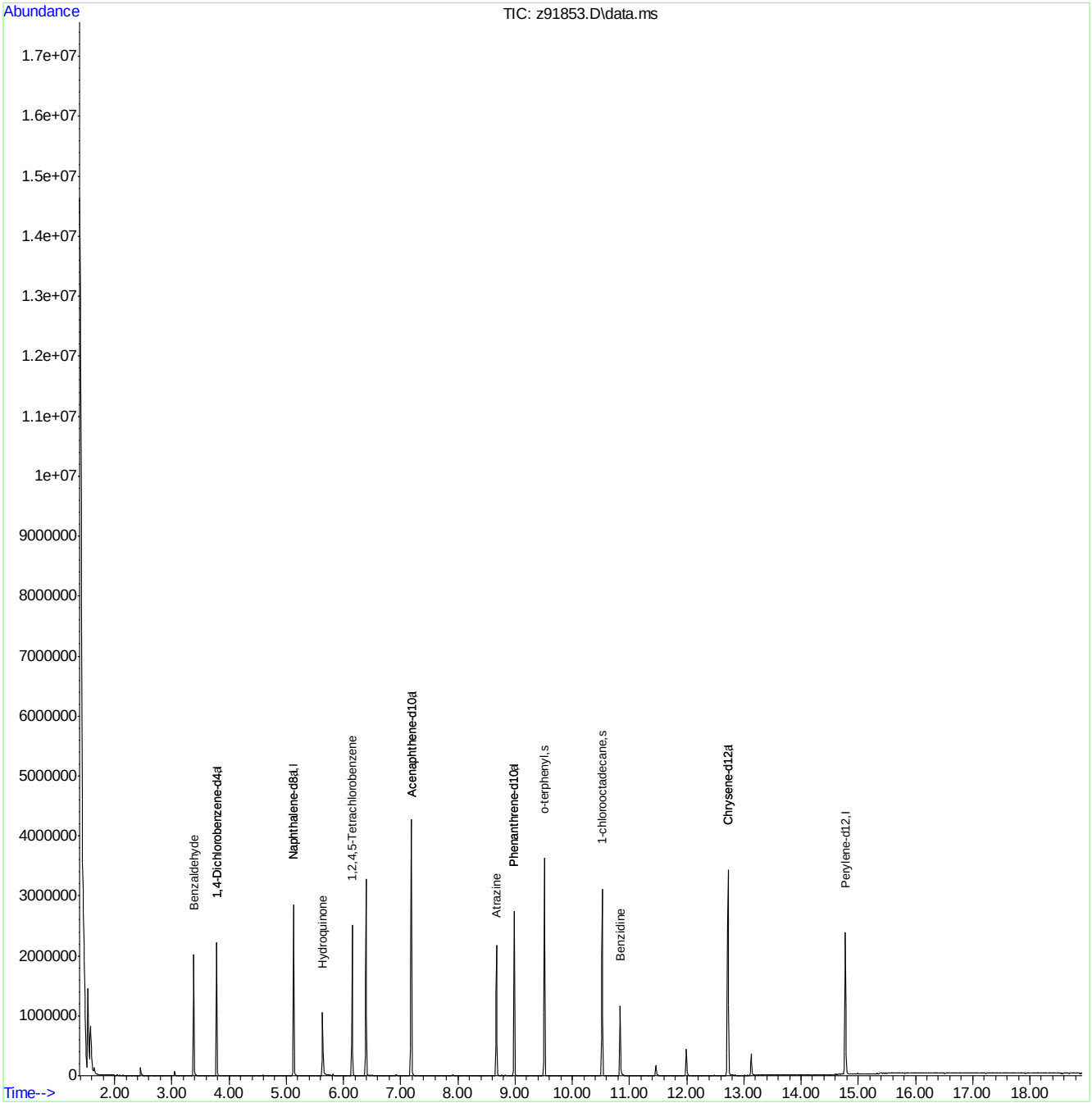
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	320910	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1253030	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	650323	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1105151	40.00	ppb	0.00
83) Chrysene-d12	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

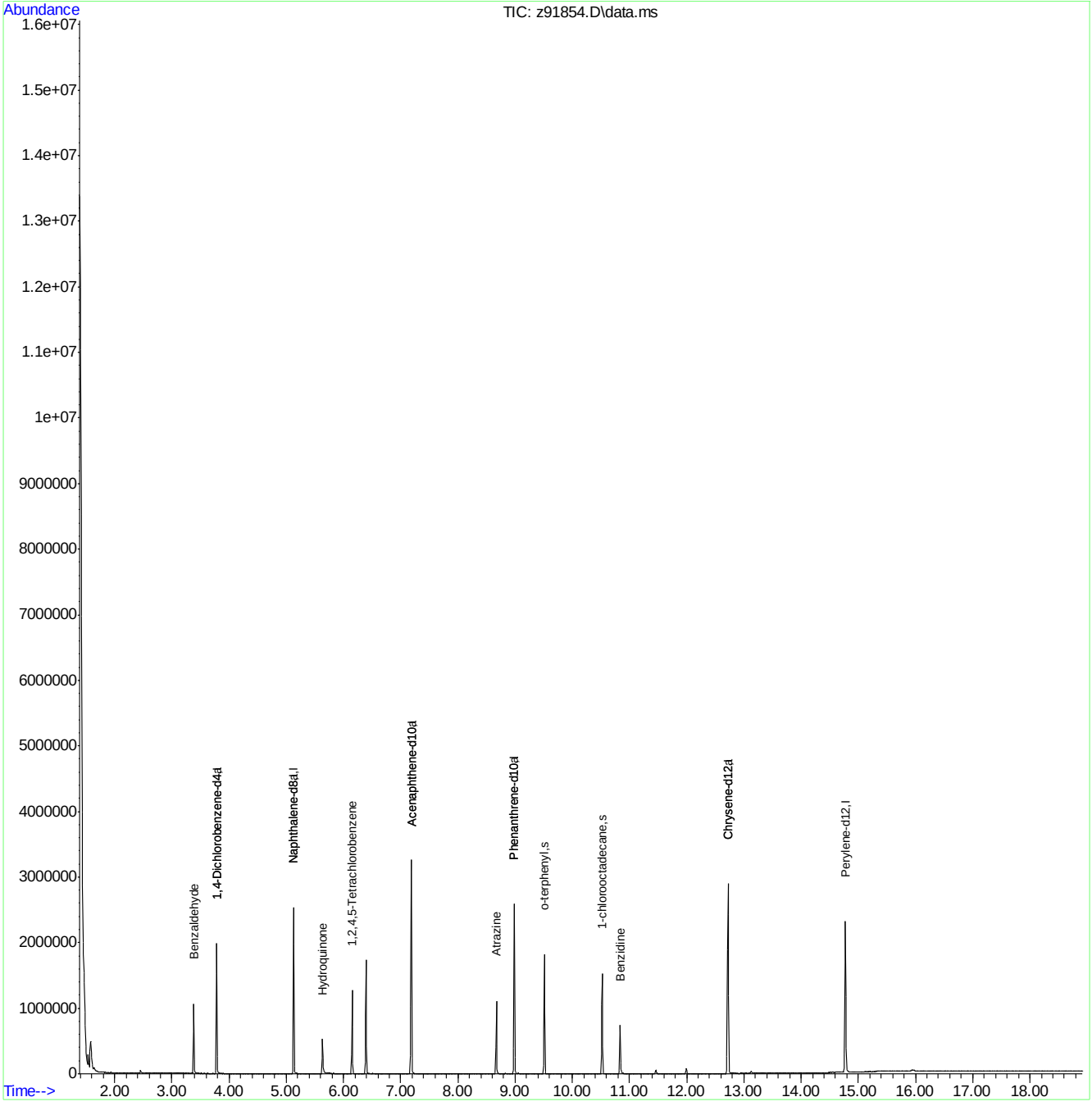
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	285903	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1112578	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	608381	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1050583	40.00	ppb	0.00
83) Chrysene-d12	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

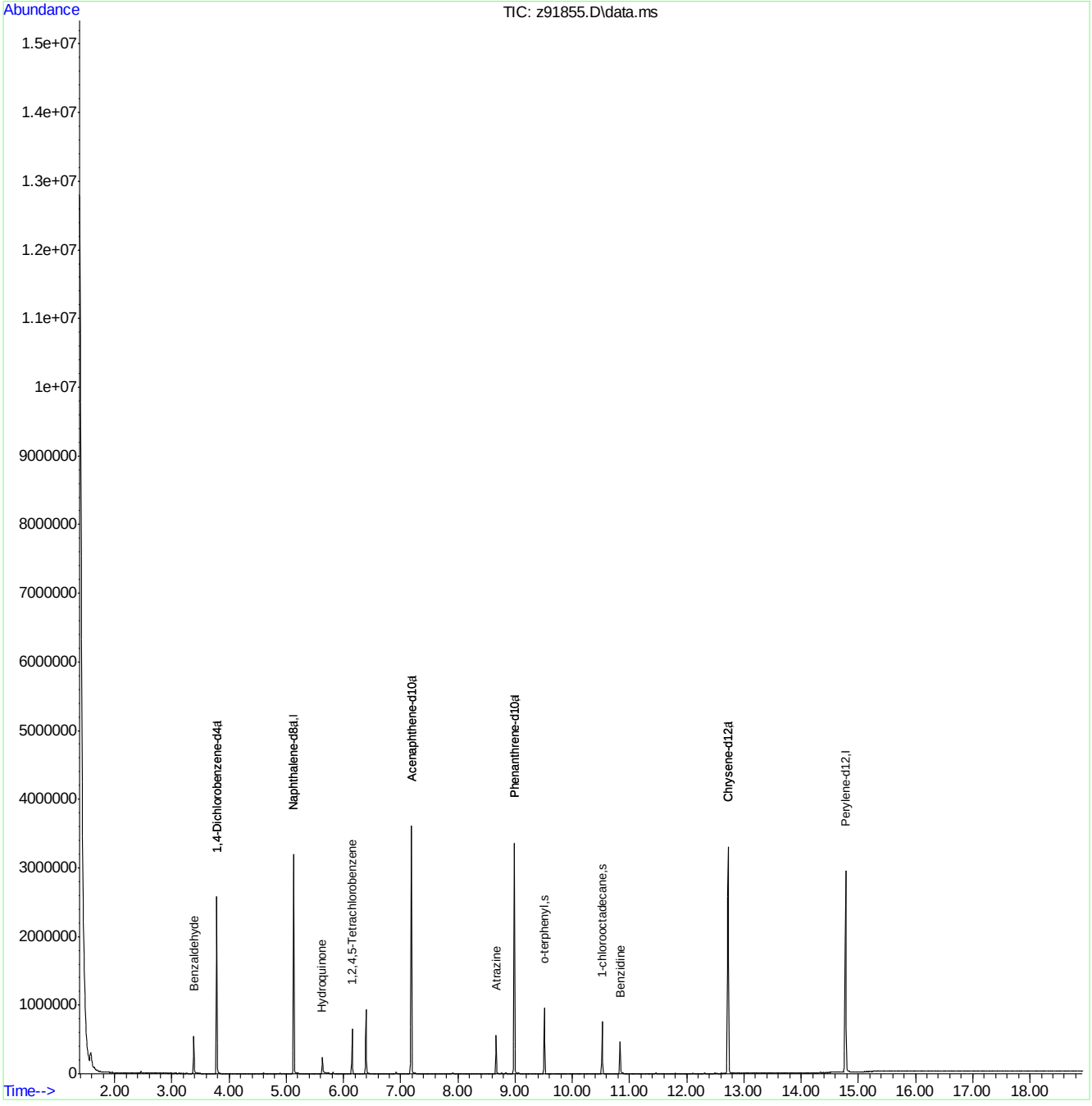
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	362717	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1431322	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	776012	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1320807	40.00	ppb	0.00
83) Chrysene-d12	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

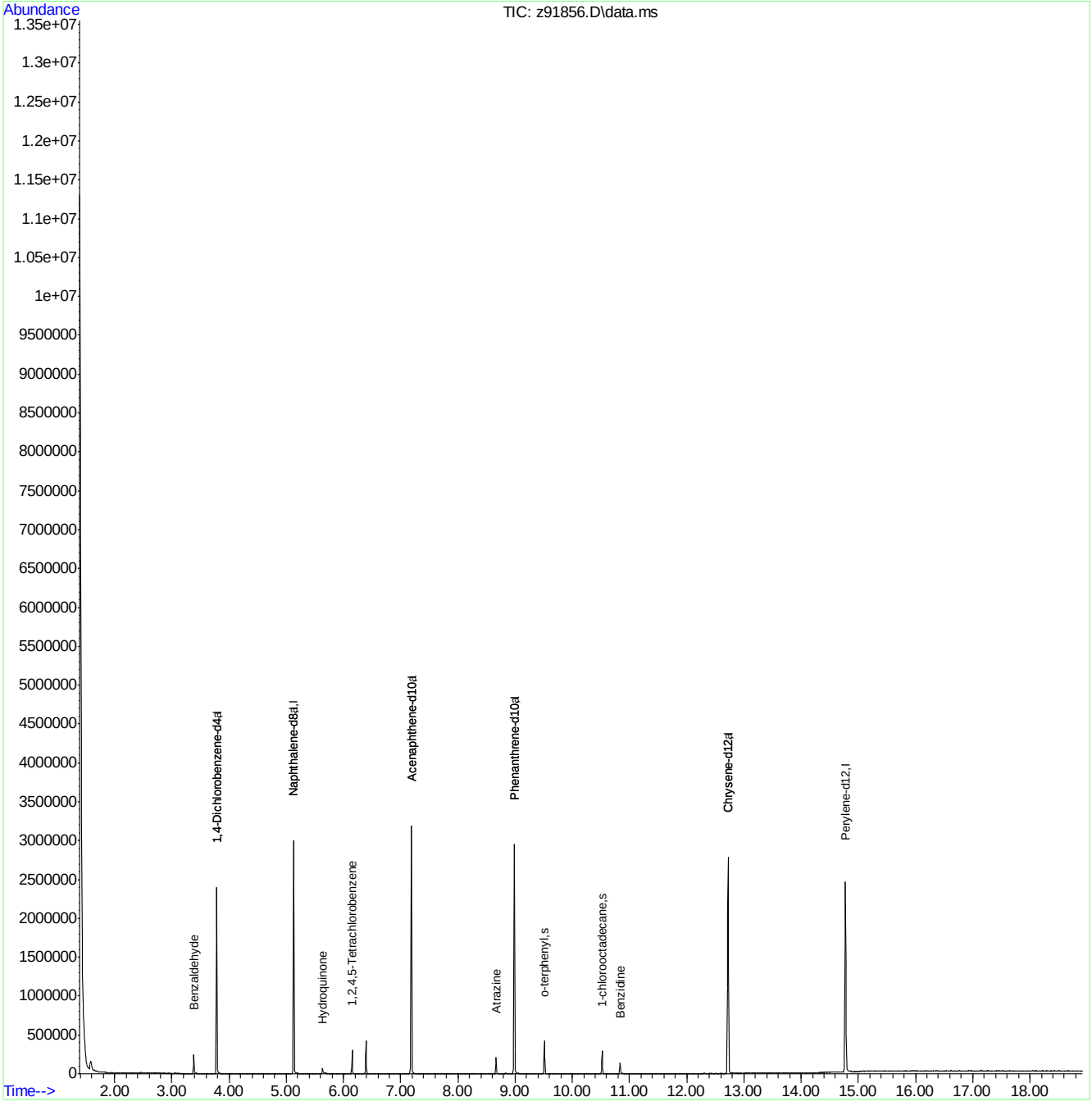
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	337946	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1317498	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	715543	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1200046	40.00	ppb	0.00
83) Chrysene-d12	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

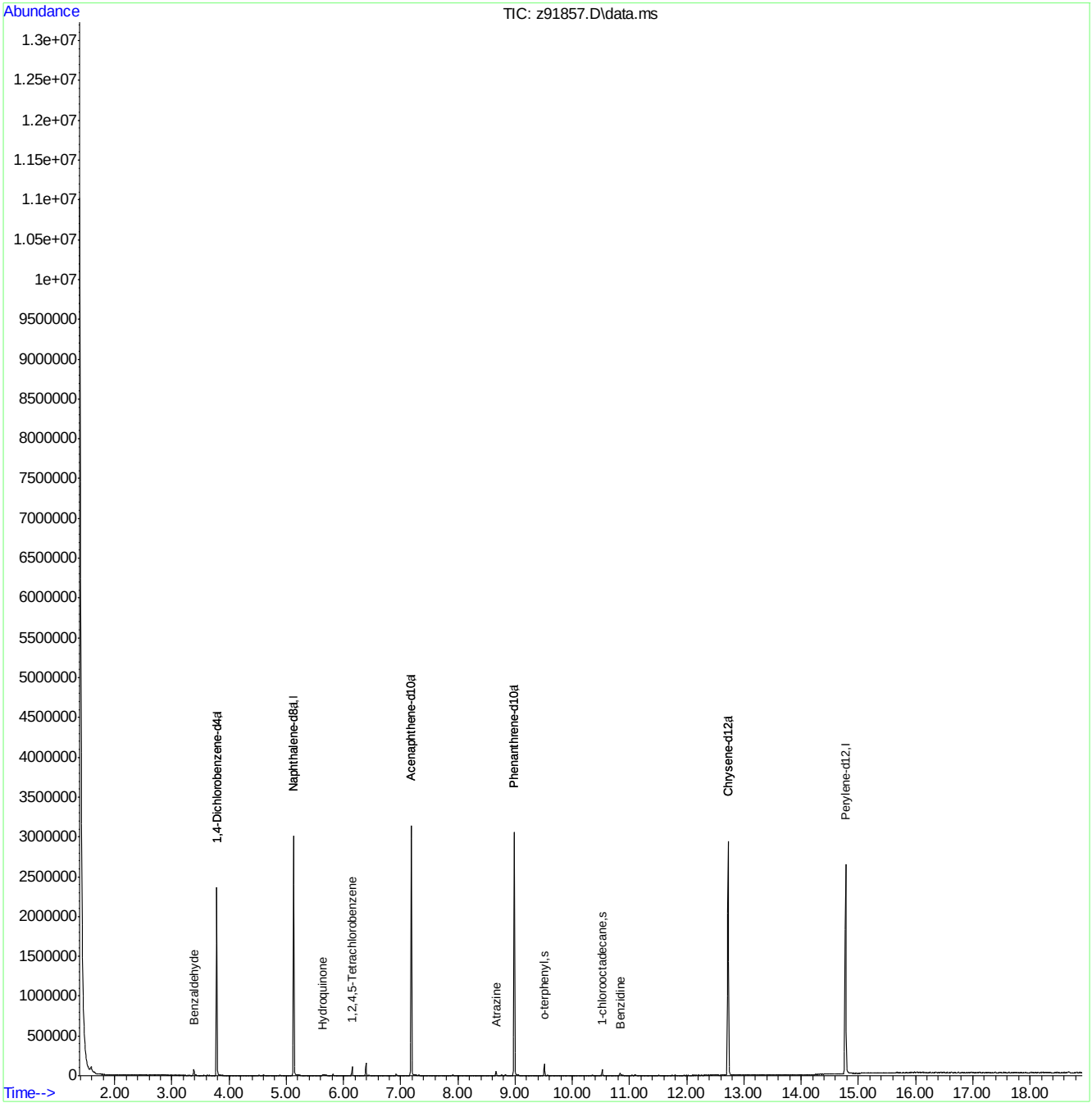
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	334351	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1309039	40.00	ppb	0.02
47) Acenaphthene-d10	7.184	164	722228	40.00	ppb	0.02
69) Phenanthrene-d10	8.984	188	1217625	40.00	ppb	0.02
83) Chrysene-d12	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

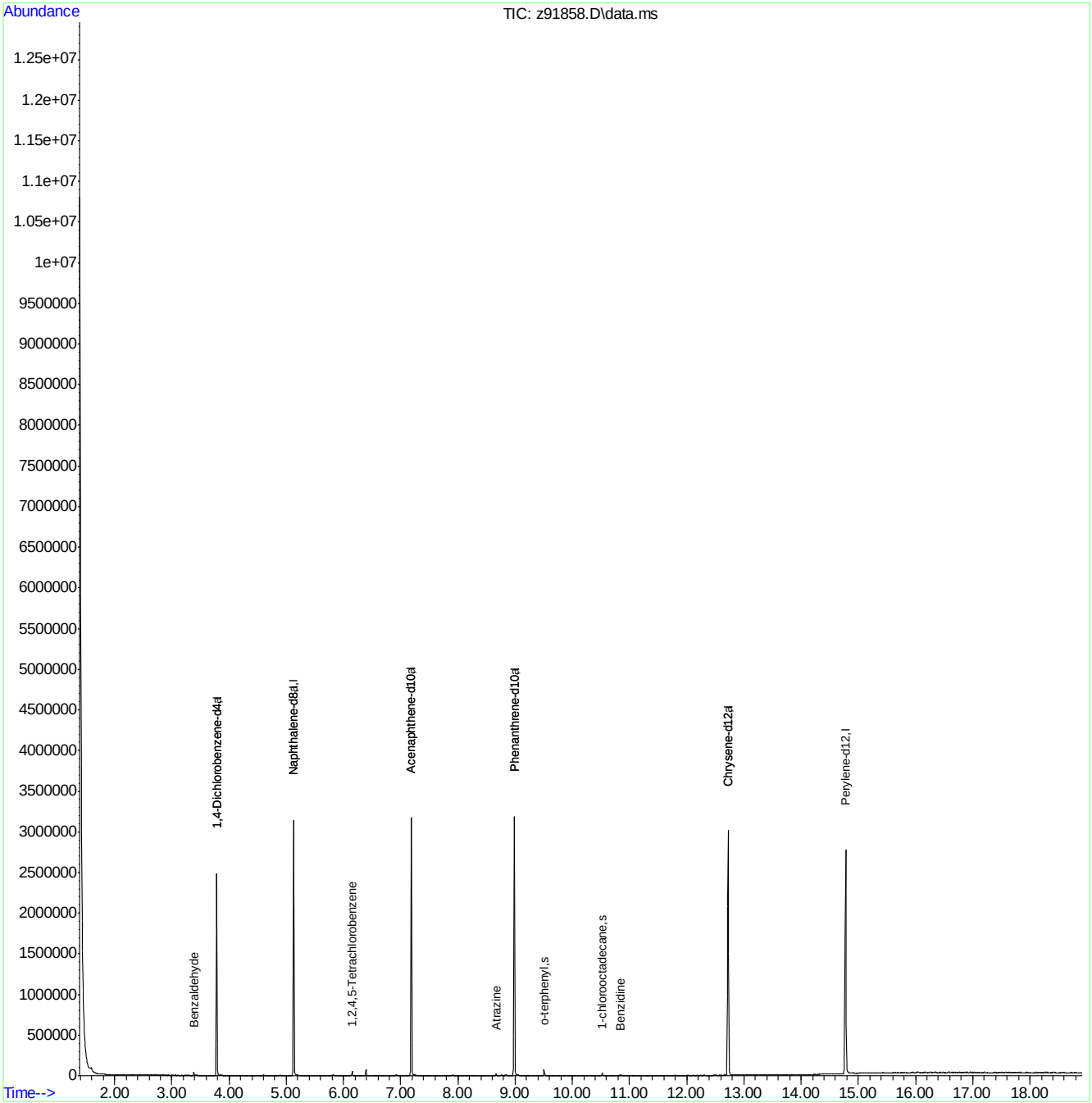
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.49
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



Manual Integration Approval Summary

Sample Number:	EZ4571-IC4571	**Method:**	SW846 8270D
Lab FileID:	Z91858.D	**Analyst approved:**	05/28/14 10:31 Ashley Royal
Injection Time:	05/27/14 14:27	**Supervisor approved:**	06/02/14 08:27 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.64	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	1.916	79	649789	42.09	ppb	99
4) N-Nitrosodimethylamine	1.889	74	359344	43.06	ppb	98
11) bis(2-Chloroethyl)ether	3.519	93	550572	46.73	ppb	99
14) 1,3-Dichlorobenzene	3.732	146	640882	44.40	ppb	98
15) 1,4-Dichlorobenzene	3.802	146	646965	43.76	ppb	98
16) Benzyl alcohol	3.919	108	371352	46.01	ppb	100
17) 1,2-Dichlorobenzene	3.957	146	618431	44.63	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.048	121	183350	47.10	ppb	98
22) n-Nitroso-di-n-propyla...	4.181	70	393100	46.29	ppb	96
23) Hexachloroethane	4.299	201	209426	45.83	ppb	97
26) Nitrobenzene	4.363	77	568747	43.05	ppb	95
28) Isophorone	4.614	82	981336	44.97	ppb	99
32) bis(2-Chloroethoxy)met...	4.860	93	644184	48.56	ppb	99
36) 1,2,4-Trichlorobenzene	5.068	180	505355	44.86	ppb	98
38) Naphthalene	5.153	128	1659492	43.88	ppb	99
42) Hexachlorobutadiene	5.308	225	277705	45.61	ppb	98
44) 2-Methylnaphthalene	5.955	141	914928	44.53	ppb	98
48) Hexachlorocyclopentadiene	6.152	237	258188	44.33	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

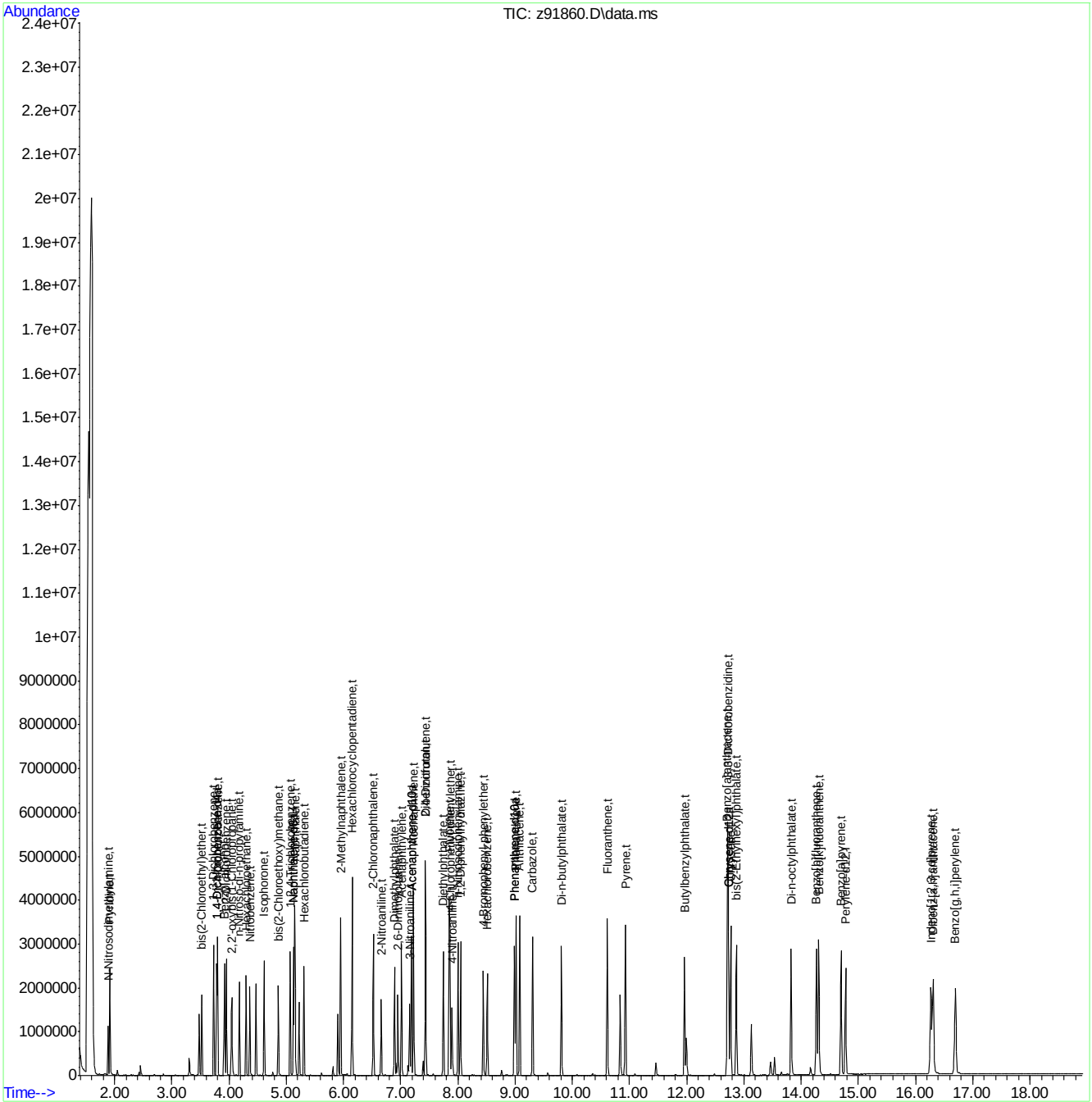
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	6.521	162	971325	44.32	ppb		98
54)	2-Nitroaniline	6.660	65	279347	46.48	ppb		92
55)	Dimethylphthalate	6.895	163	1067610	45.62	ppb		99
56)	Acenaphthylene	7.013	152	1367646	39.72	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	231218	48.21	ppb		99
58)	3-Nitroaniline	7.157	138	255928	42.22	ppb		95
59)	Acenaphthene	7.226	153	1000997	45.95	ppb		99
62)	Dibenzofuran	7.435	168	1336051	44.21	ppb		85
63)	2,4-Dinitrotoluene	7.435	165	288048	44.00	ppb	#	49
65)	Diethylphthalate	7.744	149	1075149	47.19	ppb		100
66)	Fluorene	7.846	166	1088626	46.06	ppb		99
67)	4-Chlorophenyl-phenyle...	7.862	204	511306	46.23	ppb		96
68)	4-Nitroaniline	7.894	138	276131	45.45	ppb		93
71)	n-Nitrosodiphenylamine	8.006	169	736622	48.46	ppb		99
72)	1,2-Diphenylhydrazine	8.049	77	1139263	48.20	ppb		96
74)	4-Bromophenyl-phenylether	8.444	248	298366	48.44	ppb		90
75)	Hexachlorobenzene	8.514	284	338052	46.00	ppb		93
77)	Phenanthrene	9.016	178	1558276	44.66	ppb		99
78)	Anthracene	9.080	178	1578056	46.66	ppb		99
79)	Carbazole	9.304	167	1463099	41.76	ppb		99
80)	Di-n-butylphthalate	9.812	149	1750963	50.88	ppb		99
81)	Fluoranthene	10.613	202	1607725	47.32	ppb		97
84)	Pyrene	10.934	202	1670566	48.07	ppb		96
87)	Butylbenzylphthalate	11.959	149	731635	52.20	ppb		99
88)	Benzo[a]anthracene	12.713	228	1456967	46.48	ppb		100
89)	3,3'-Dichlorobenzidine	12.718	252	685540	66.53	ppb		99
90)	Chrysene	12.771	228	1504371	48.34	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.868	149	1018064	53.48	ppb		100
93)	Di-n-octylphthalate	13.824	149	1711925	48.95	ppb		100
94)	Benzo[b]fluoranthene	14.267	252	1490447	47.55	ppb		94
95)	Benzo[k]fluoranthene	14.310	252	1469644	45.40	ppb		97
96)	Benzo[a]pyrene	14.700	252	1339666	48.12	ppb		98
97)	Indeno[1,2,3-cd]pyrene	16.271	276	1304748	48.58	ppb		98
99)	Dibenz[a,h]anthracene	16.308	278	1383911	48.86	ppb		98
101)	Benzo[g,h,i]perylene	16.698	276	1374342	49.12	ppb		98

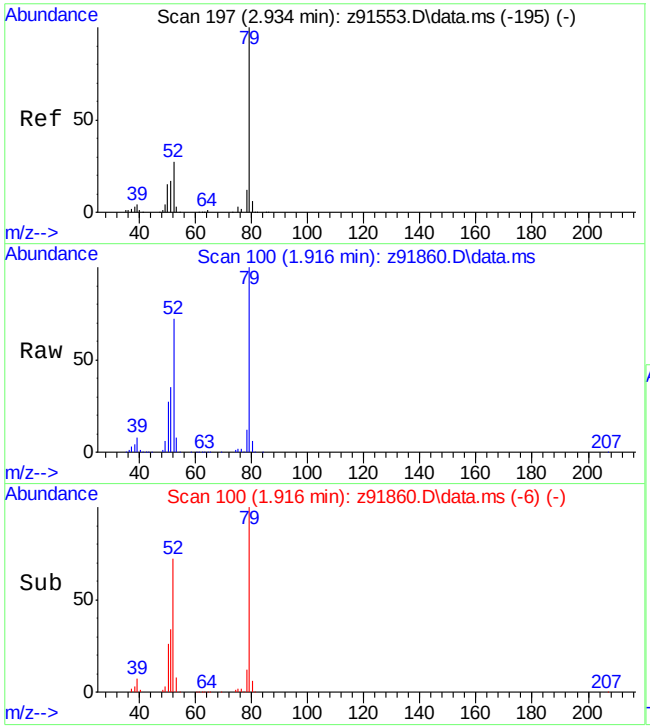
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

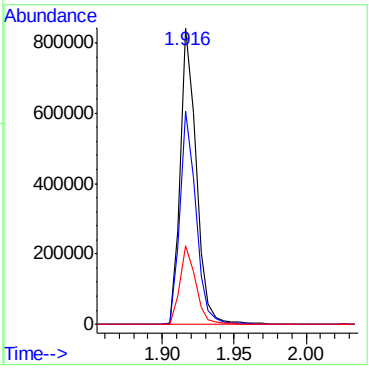


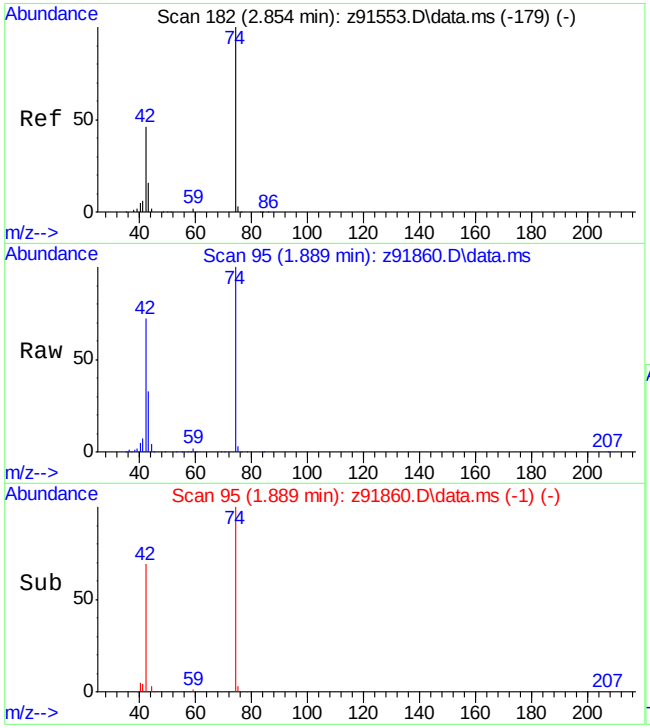


#3
Pyridine
Concen: 42.09 ppb
RT: 1.916 min Scan# 100
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 79 Resp: 649789

Ion	Ratio	Lower	Upper
79	100		
52	72.1	42.0	102.0
50	26.7	0.0	55.6

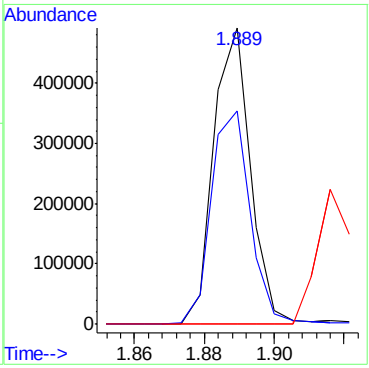


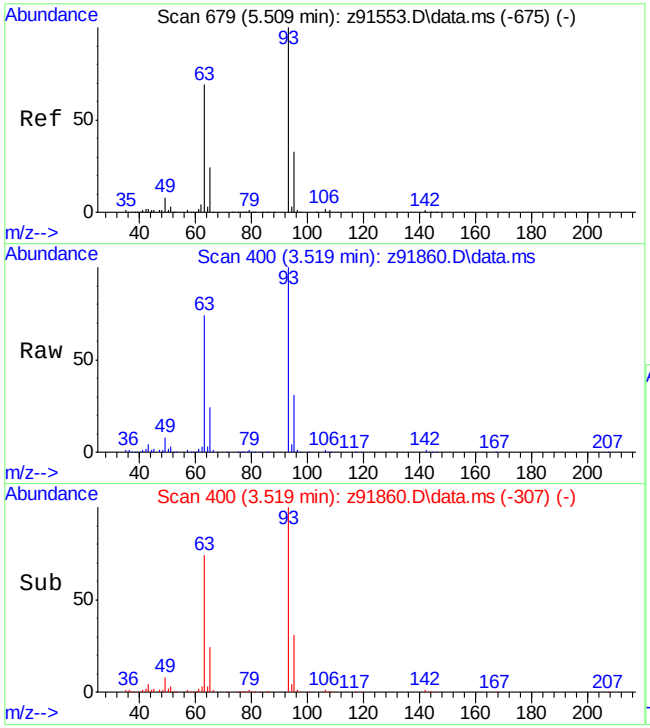


#4
N-Nitrosodimethylamine
Concen: 43.06 ppb
RT: 1.889 min Scan# 95
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 74 Resp: 359344

Ion	Ratio	Lower	Upper
74	100		
42	71.9	40.5	100.5
50	0.0	0.0	30.0

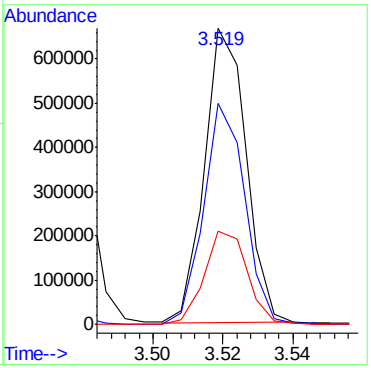


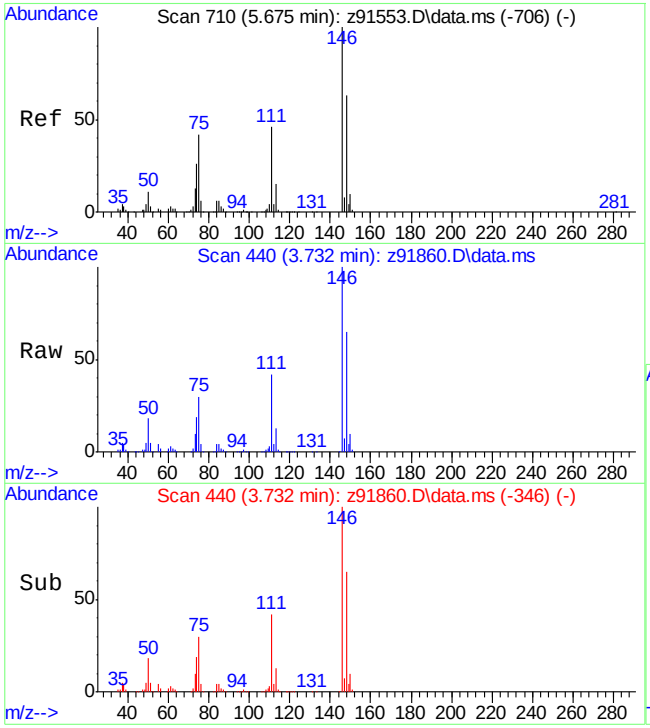


#11
bis(2-Chloroethyl)ether
Concen: 46.73 ppb
RT: 3.519 min Scan# 400
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 550572

Ion	Ratio	Lower	Upper
93	100		
63	74.7	45.8	105.8
95	31.6	2.2	62.2

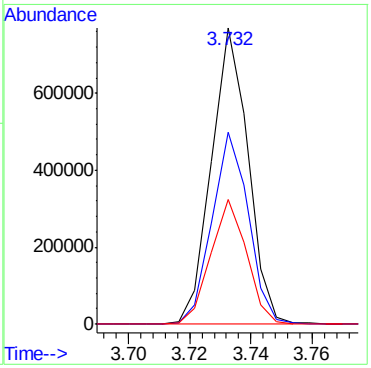


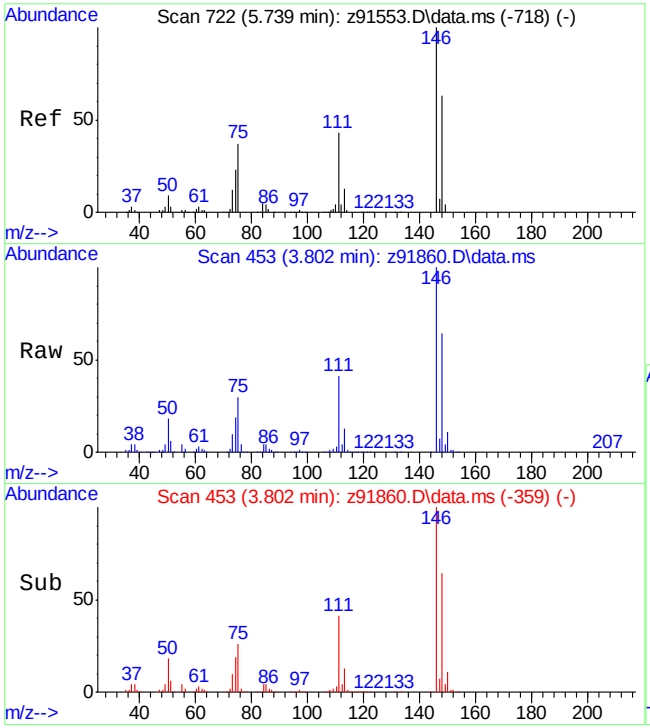


#14
1,3-Dichlorobenzene
Concen: 44.40 ppb
RT: 3.732 min Scan# 440
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 640882

Ion	Ratio	Lower	Upper
146	100		
148	64.6	32.9	92.9
111	41.9	11.7	71.7

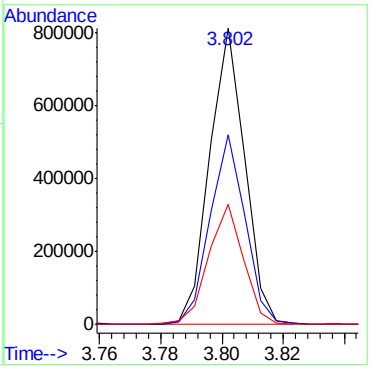


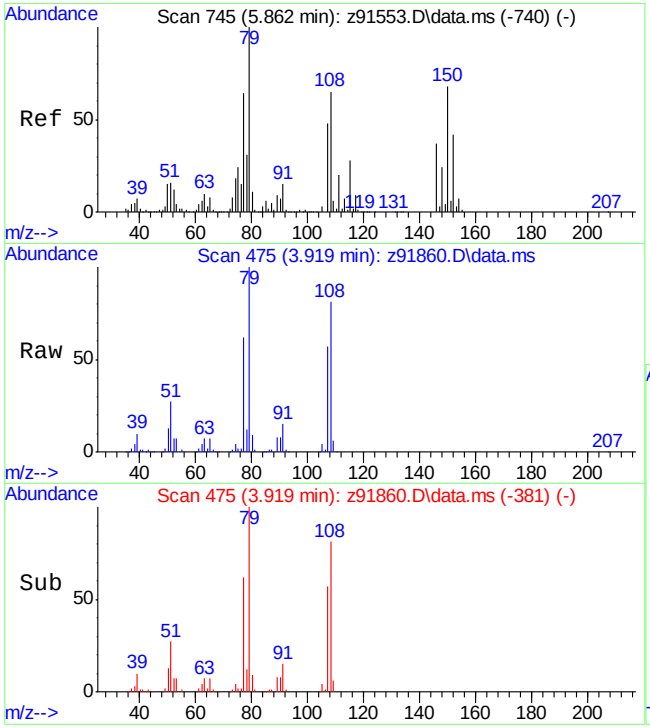


#15
1,4-Dichlorobenzene
Concen: 43.76 ppb
RT: 3.802 min Scan# 453
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 646965

Ion	Ratio	Lower	Upper
146	100		
148	64.1	32.7	92.7
111	40.4	9.6	69.6

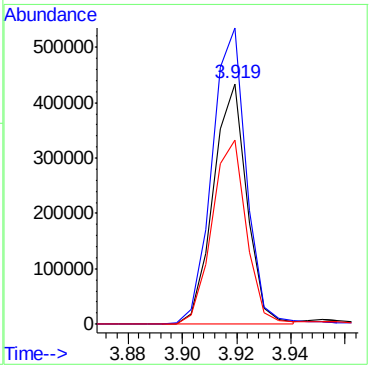


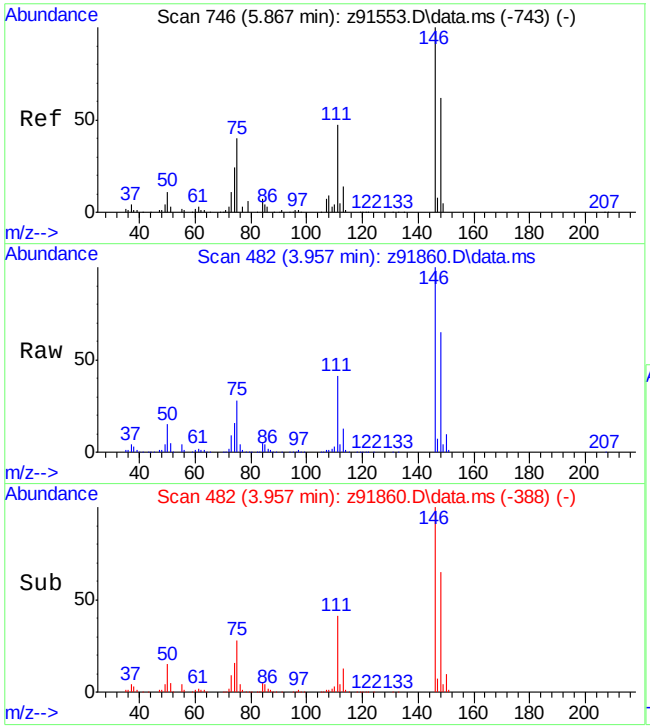


#16
Benzyl alcohol
Concen: 46.01 ppb
RT: 3.919 min Scan# 475
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:108 Resp: 371352

Ion	Ratio	Lower	Upper
108	100		
79	123.3	94.1	154.1
77	76.6	46.5	106.5

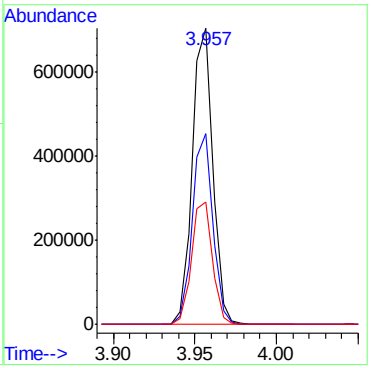


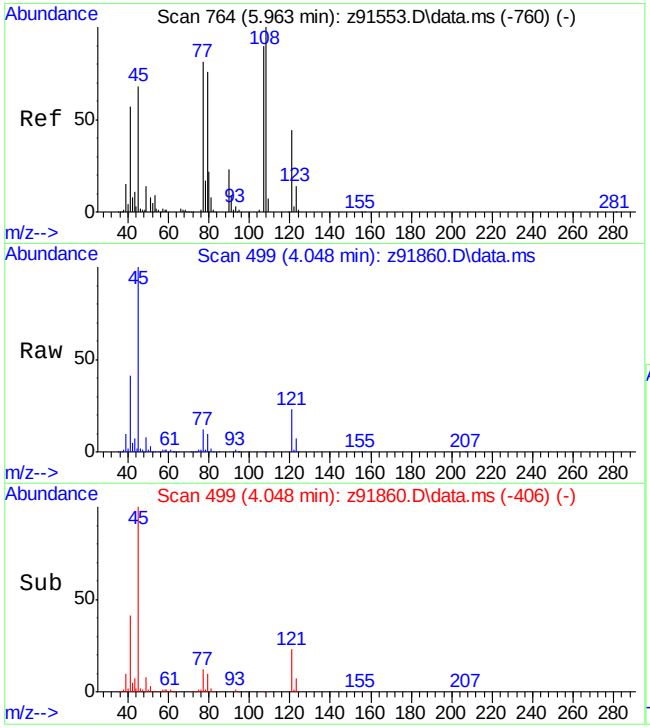


#17
1,2-Dichlorobenzene
Concen: 44.63 ppb
RT: 3.957 min Scan# 482
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 618431

Ion	Ratio	Lower	Upper
146	100		
148	64.6	33.2	93.2
111	41.2	11.7	71.7

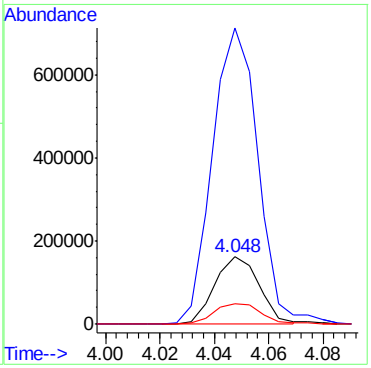


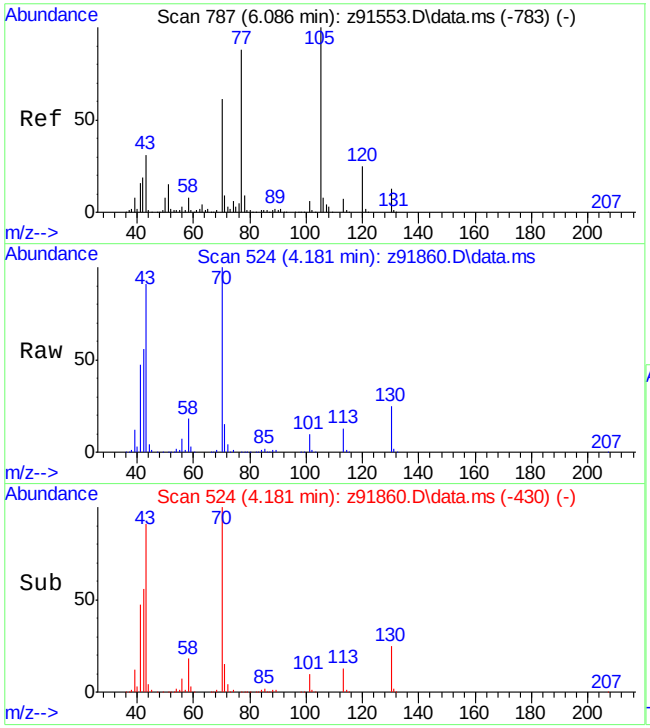


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.10 ppb
RT: 4.048 min Scan# 499
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:121 Resp: 183350

Ion	Ratio	Lower	Upper
121	100		
45	439.5	403.5	463.5
123	30.8	1.8	61.8

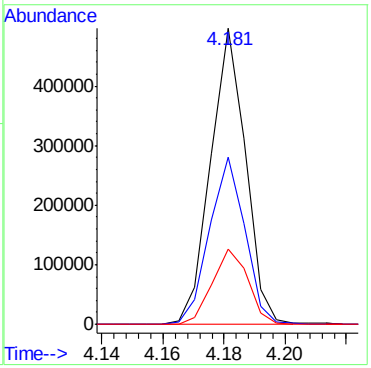


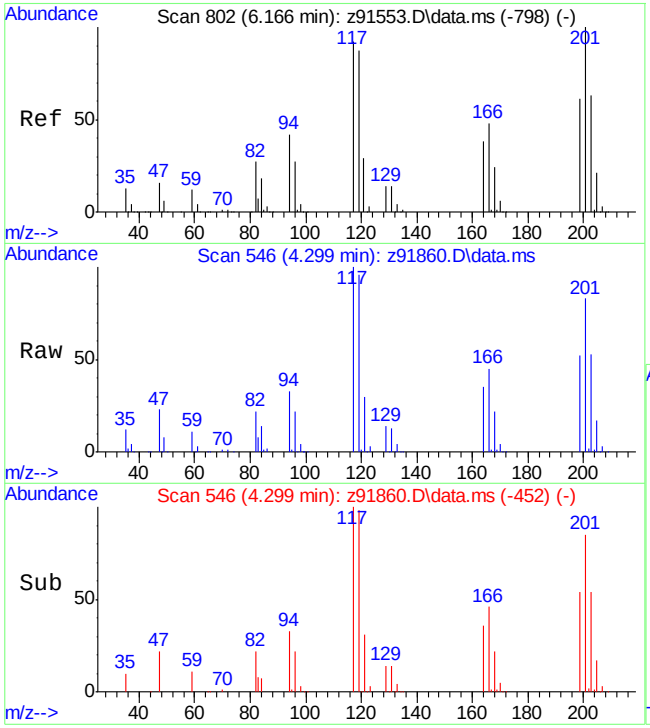


#22
n-Nitroso-di-n-propylamine
Concen: 46.29 ppb
RT: 4.181 min Scan# 524
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 70 Resp: 393100

Ion	Ratio	Lower	Upper
70	100		
42	56.4	23.2	83.2
130	25.2	0.0	56.4

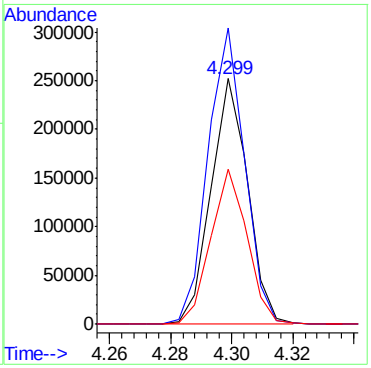


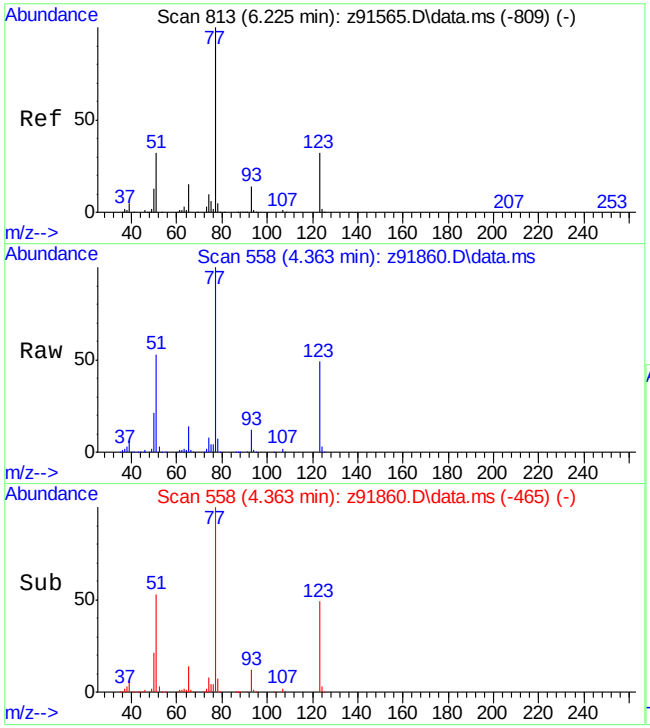


#23
Hexachloroethane
Concen: 45.83 ppb
RT: 4.299 min Scan# 546
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:201 Resp: 209426

Ion	Ratio	Lower	Upper
201	100		
117	120.7	94.4	154.4
199	62.9	35.0	95.0

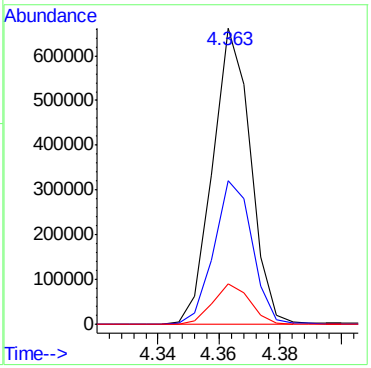


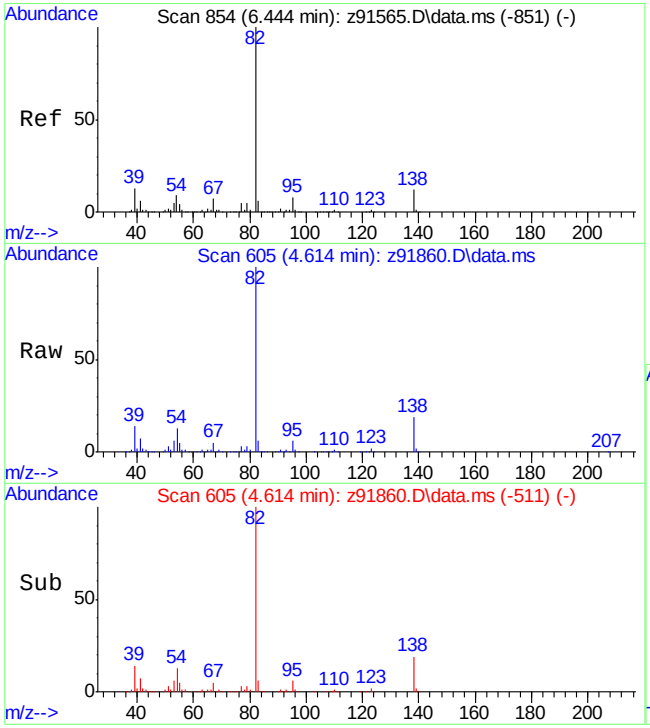


#26
Nitrobenzene
Concen: 43.05 ppb
RT: 4.363 min Scan# 558
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 568747

Ion	Ratio	Lower	Upper
77	100		
123	48.7	22.5	82.5
65	13.8	0.0	43.2

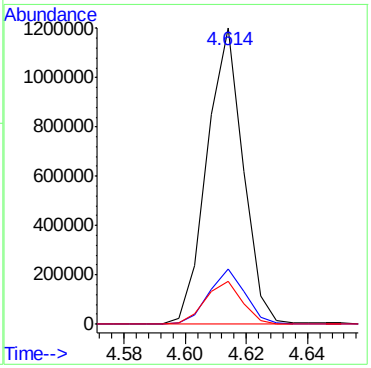


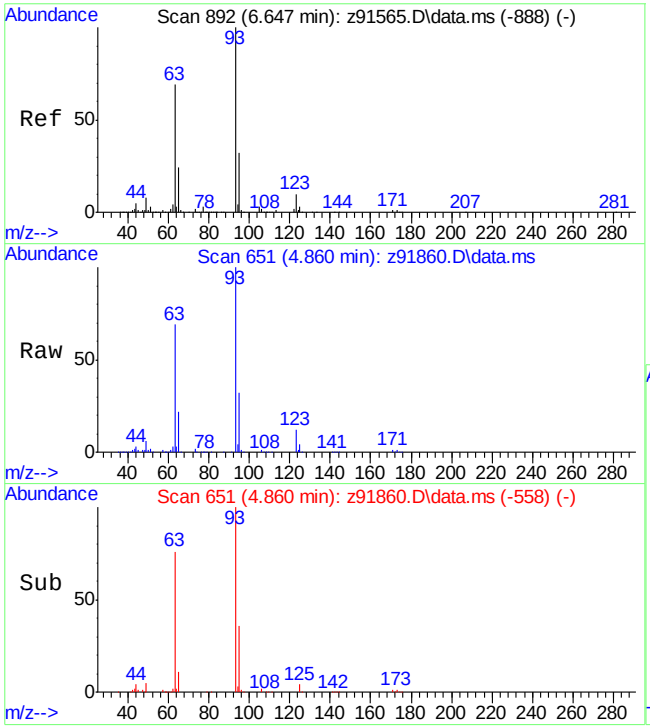


#28
Isophorone
Concen: 44.97 ppb
RT: 4.614 min Scan# 605
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 82 Resp: 981336

Ion	Ratio	Lower	Upper
82	100		
138	18.8	0.0	48.2
39	14.5	0.0	44.4

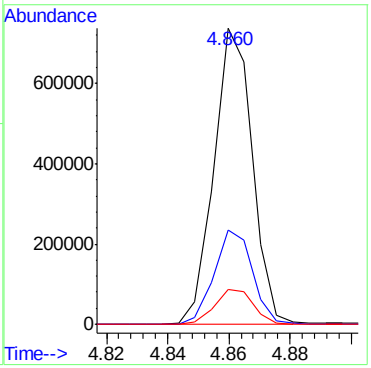


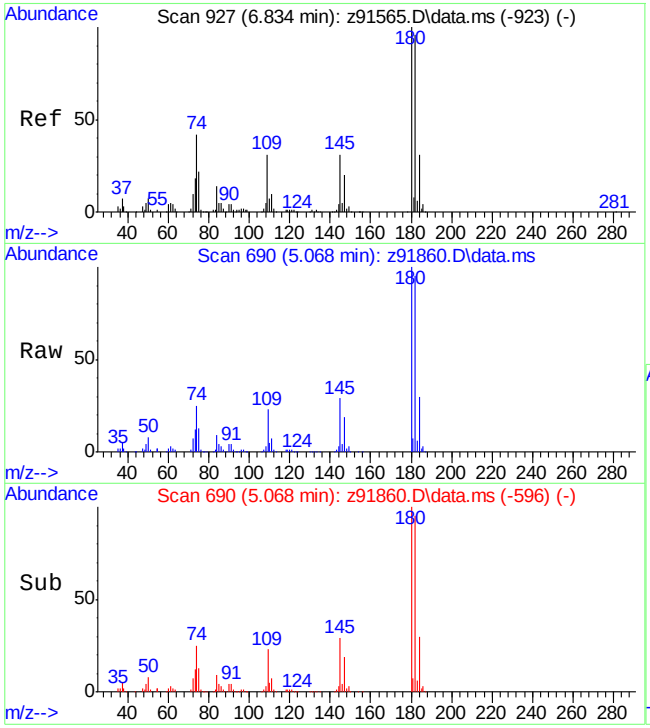


#32
bis(2-Chloroethoxy)methane
Concen: 48.56 ppb
RT: 4.860 min Scan# 651
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 644184

Ion	Ratio	Lower	Upper
93	100		
95	31.8	2.1	62.1
123	11.9	0.0	41.3

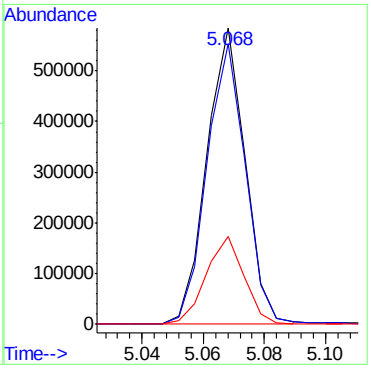


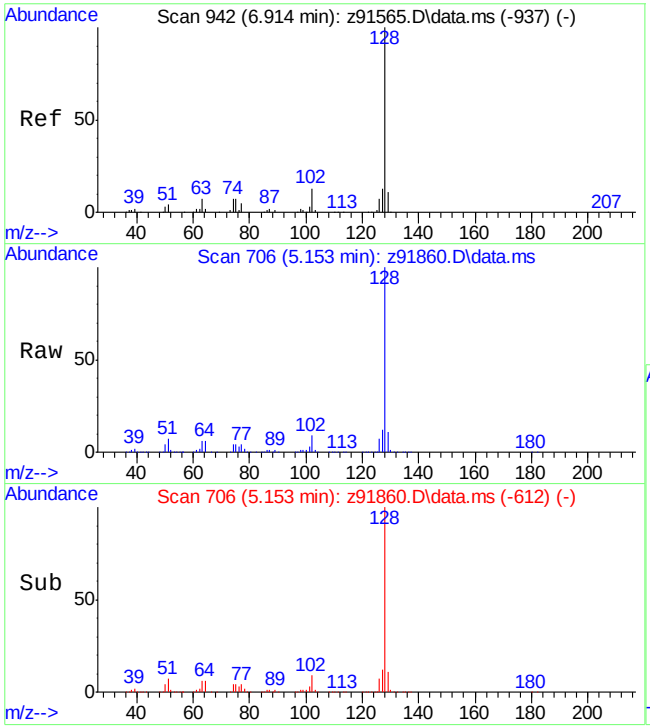


#36
1,2,4-Trichlorobenzene
Concen: 44.86 ppb
RT: 5.068 min Scan# 690
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:180 Resp: 505355

Ion	Ratio	Lower	Upper
180	100		
182	94.9	63.1	123.1
145	29.4	0.0	59.9

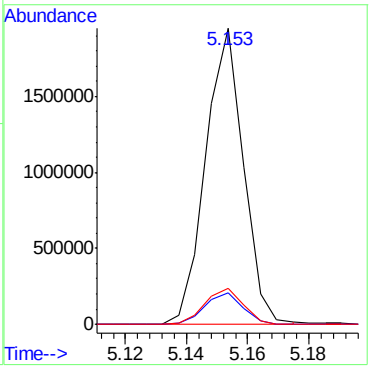


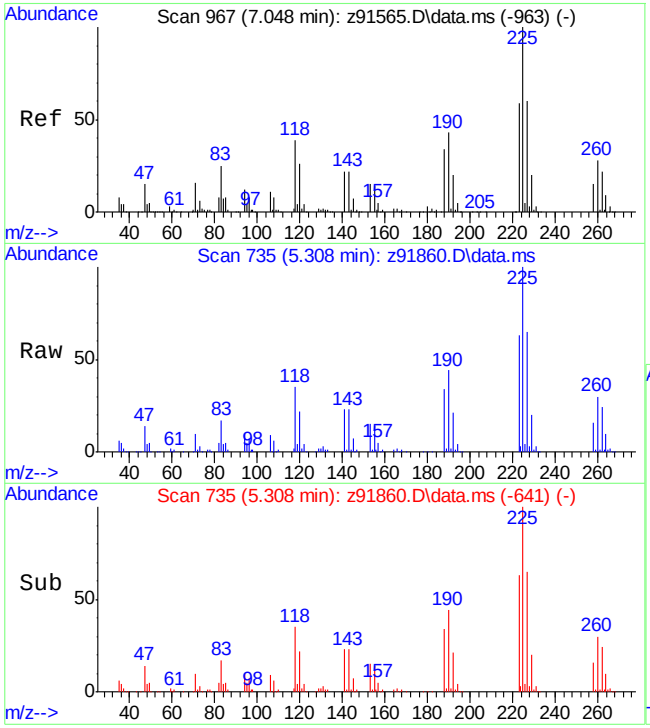


#38
Naphthalene
Concen: 43.88 ppb
RT: 5.153 min Scan# 706
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:128 Resp: 1659492

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.5
127	12.3	0.0	42.7

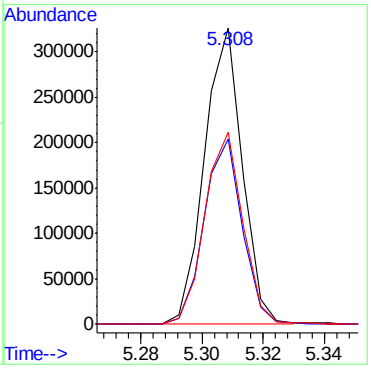


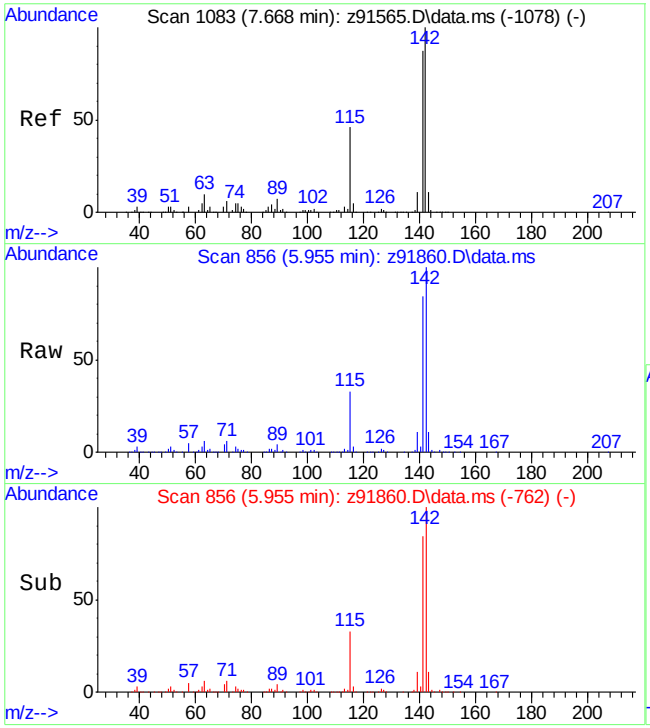


#42
Hexachlorobutadiene
Concen: 45.61 ppb
RT: 5.308 min Scan# 735
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:225 Resp: 277705

Ion	Ratio	Lower	Upper
225	100		
223	62.7	33.8	93.8
227	64.7	32.6	92.6

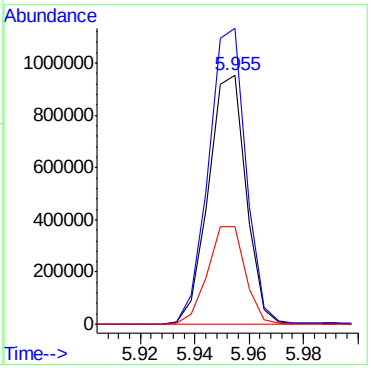


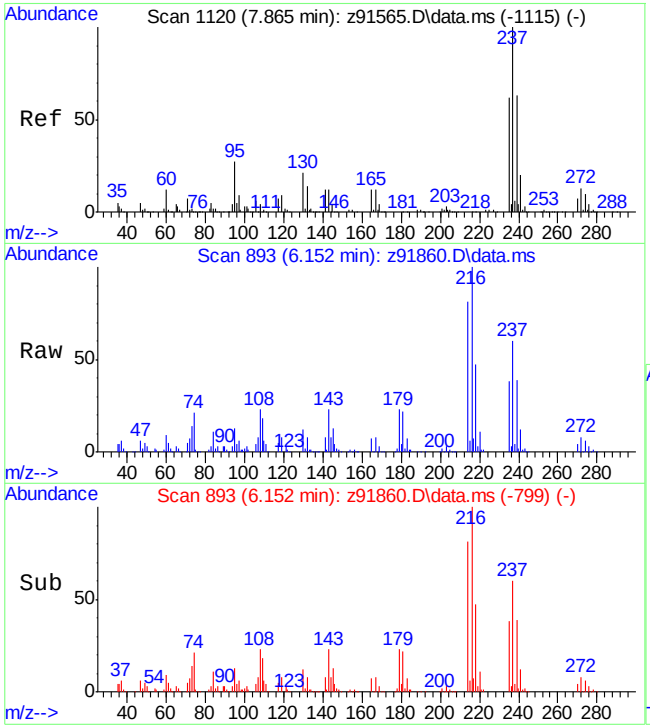


#44
2-Methylnaphthalene
Concen: 44.53 ppb
RT: 5.955 min Scan# 856
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:141 Resp: 914928

Ion	Ratio	Lower	Upper
141	100		
142	118.7	91.4	151.4
115	39.3	8.5	68.5

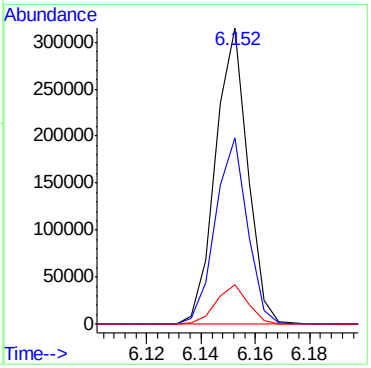


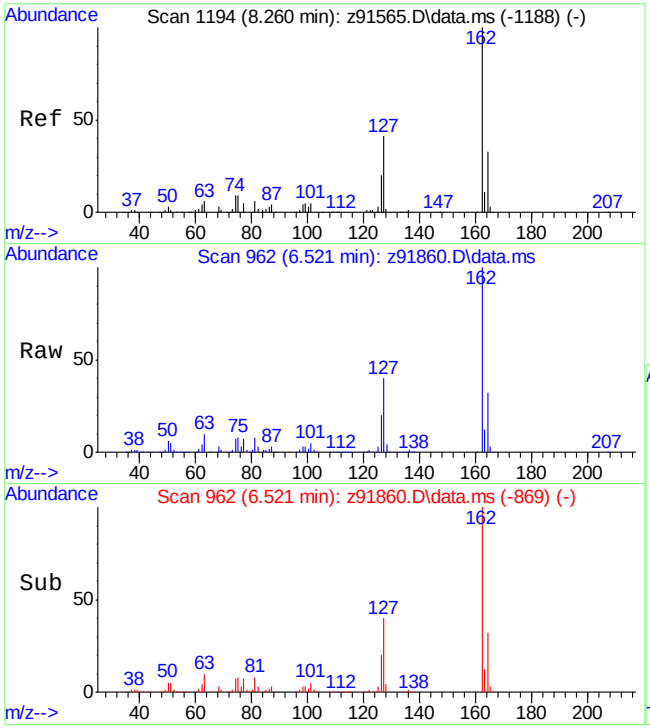


#48
Hexachlorocyclopentadiene
Concen: 44.33 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:237 Resp: 258188

Ion	Ratio	Lower	Upper
237	100		
235	62.8	33.9	93.9
272	13.2	0.0	43.3

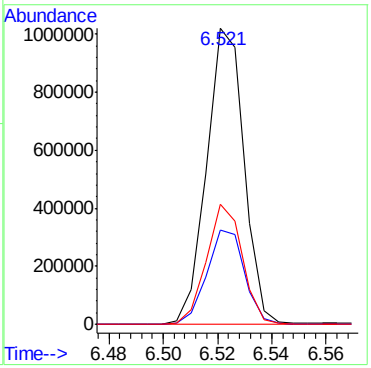


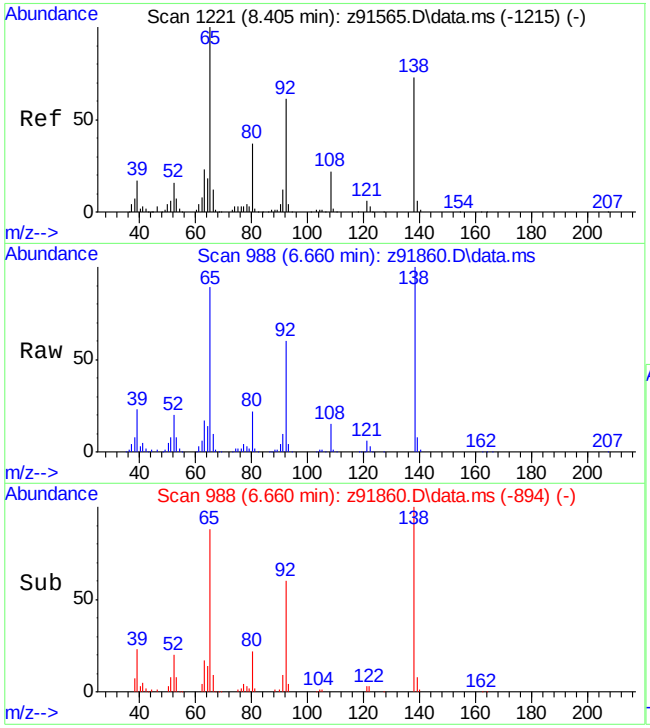


#52
2-Chloronaphthalene
Concen: 44.32 ppb
RT: 6.521 min Scan# 962
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:162 Resp: 971325

Ion	Ratio	Lower	Upper
162	100		
164	32.0	1.5	61.5
127	40.5	8.5	68.5

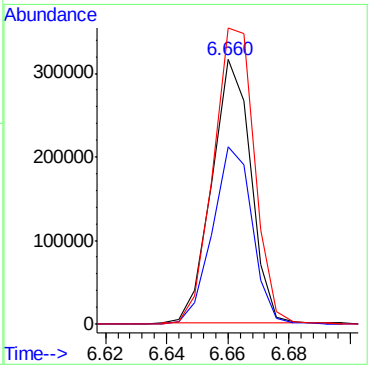


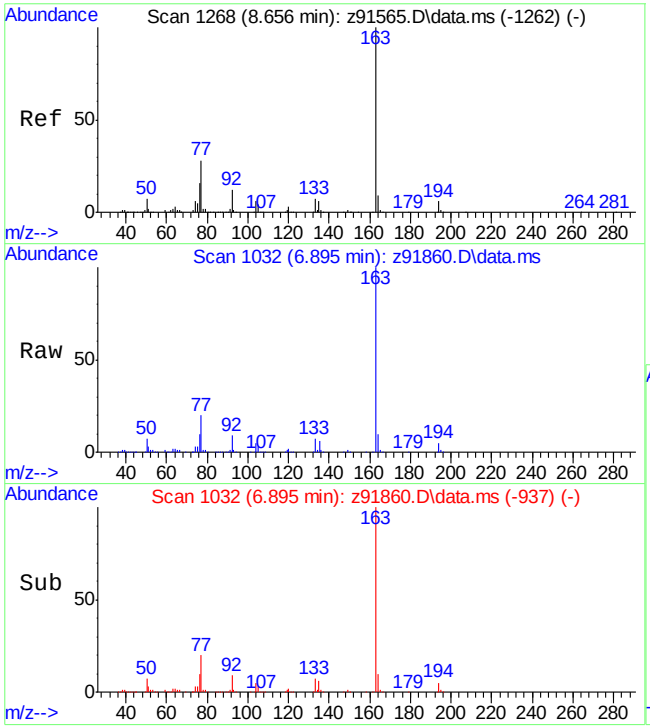


#54
2-Nitroaniline
Concen: 46.48 ppb
RT: 6.660 min Scan# 988
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 65 Resp: 279347

Ion	Ratio	Lower	Upper
65	100		
92	67.3	39.9	99.9
138	112.2	95.2	155.2

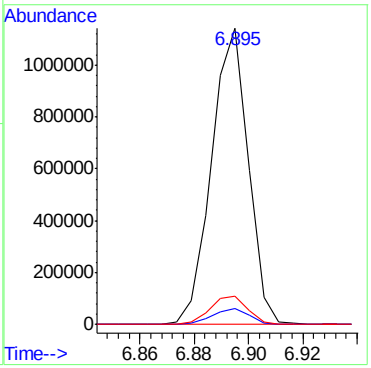


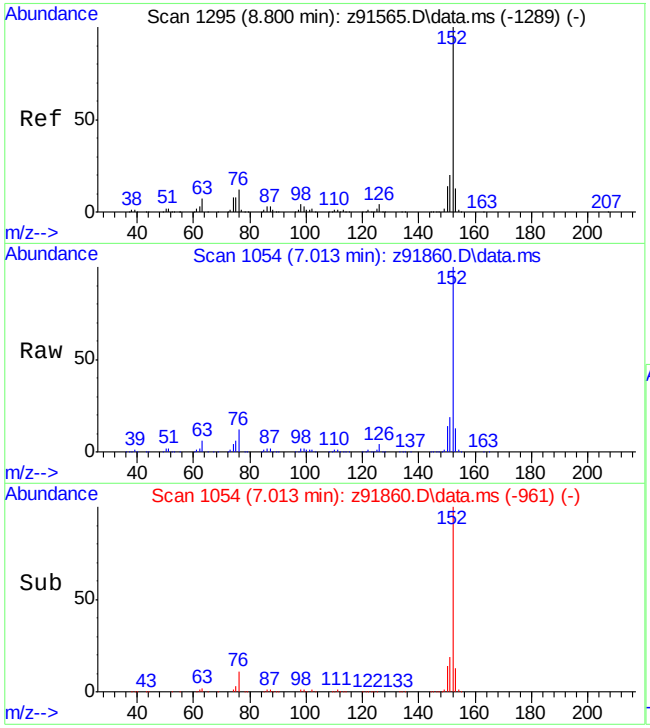


#55
Dimethylphthalate
Concen: 45.62 ppb
RT: 6.895 min Scan# 1032
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:163 Resp: 1067610

Ion	Ratio	Lower	Upper
163	100		
194	5.3	0.0	35.2
164	9.7	0.0	40.2

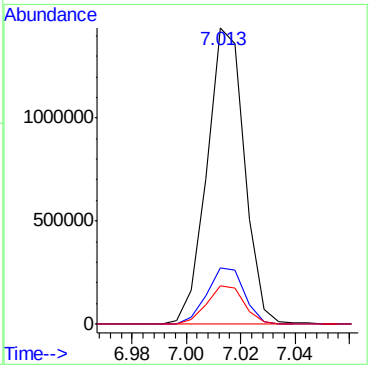


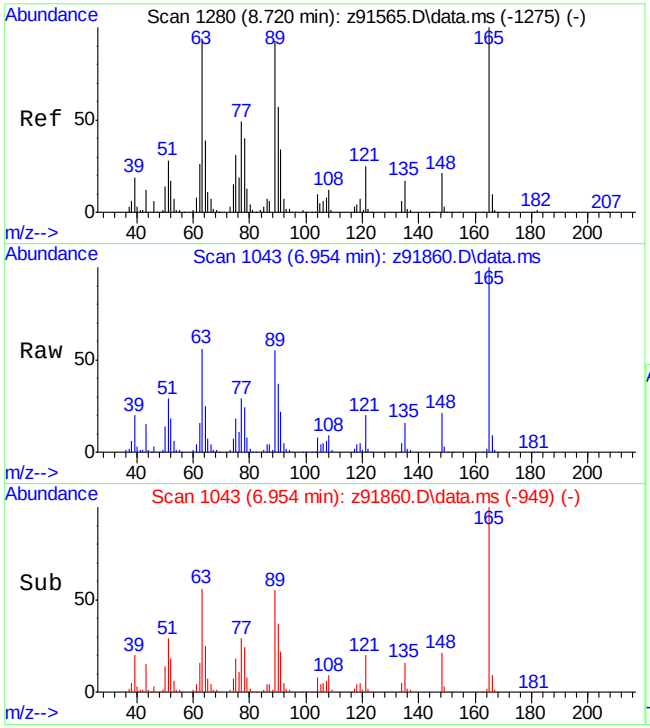


#56
Acenaphthylene
Concen: 39.72 ppb
RT: 7.013 min Scan# 1054
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:152 Resp: 1367646

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.0
153	13.1	0.0	42.7

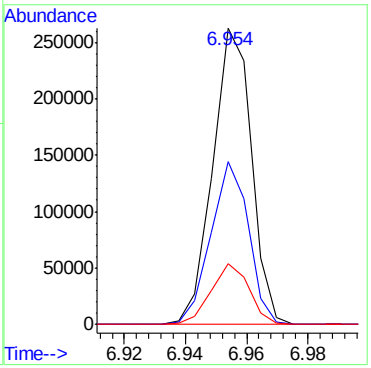


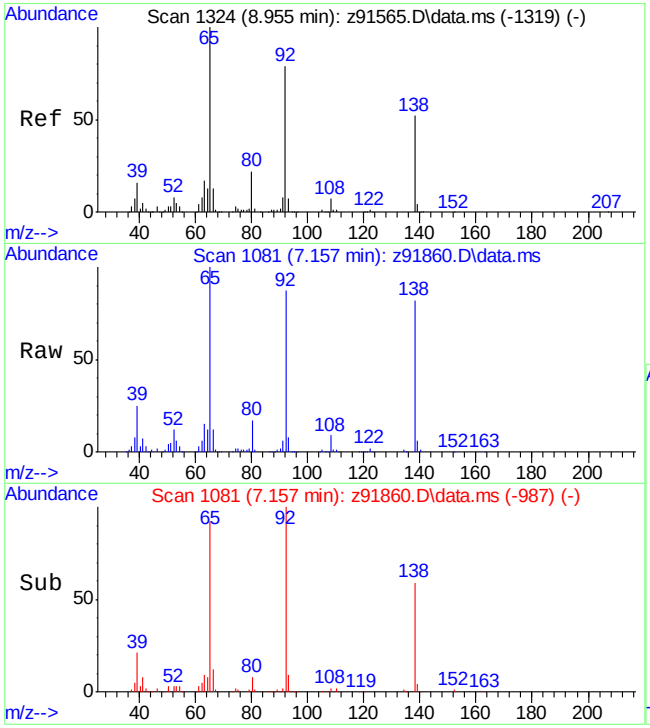


#57
2,6-Dinitrotoluene
Concen: 48.21 ppb
RT: 6.954 min Scan# 1043
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 231218

Ion	Ratio	Lower	Upper
165	100		
89	55.1	24.1	84.1
121	20.4	0.0	50.1

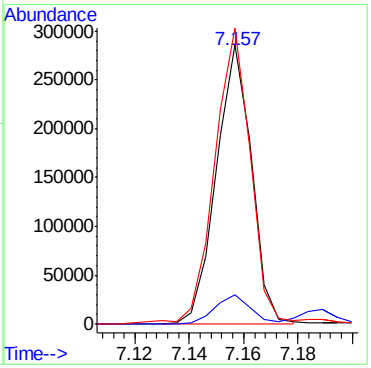


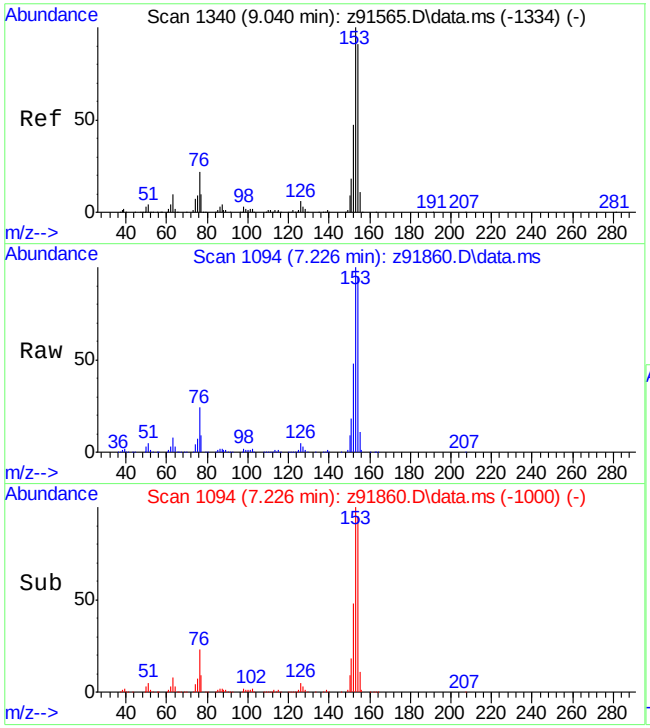


#58
3-Nitroaniline
Concen: 42.22 ppb
RT: 7.157 min Scan# 1081
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:138 Resp: 255928

Ion	Ratio	Lower	Upper
138	100		
108	9.7	0.0	38.7
92	105.3	69.9	129.9

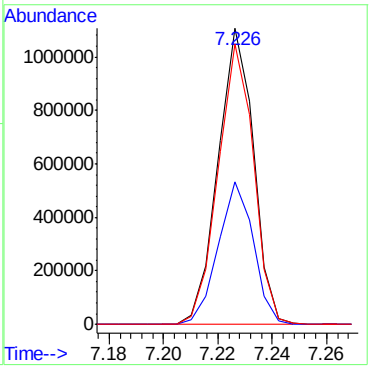


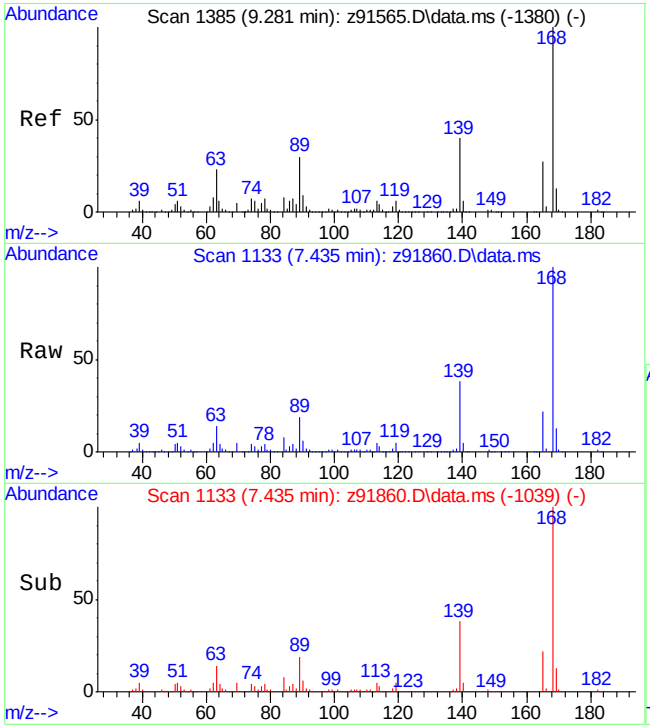


#59
Acenaphthene
Concen: 45.95 ppb
RT: 7.226 min Scan# 1094
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:153 Resp: 1000997

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.4	77.4
154	94.5	65.9	125.9

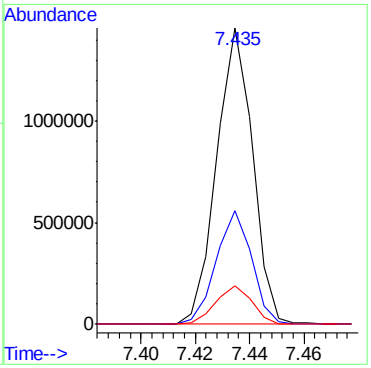


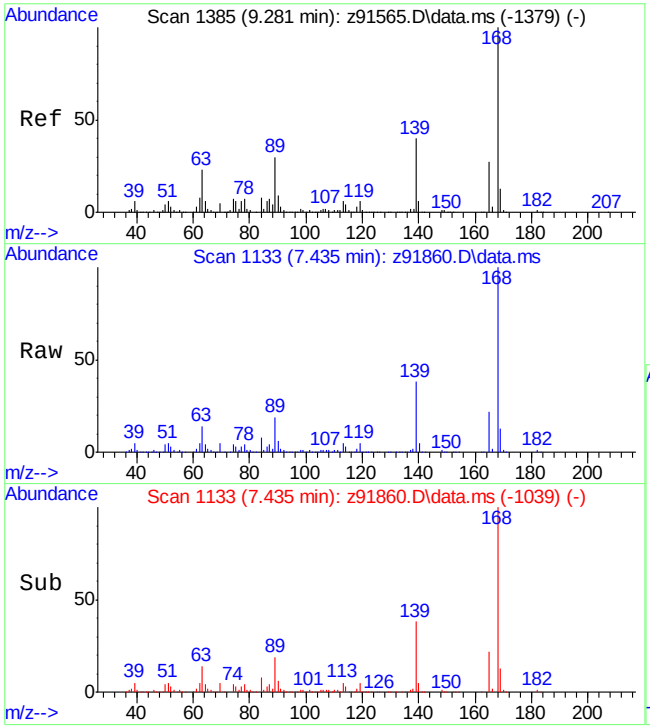


#62
Dibenzofuran
Concen: 44.21 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:168 Resp: 1336051

Ion	Ratio	Lower	Upper
168	100		
139	38.3	0.0	56.5
169	12.8	0.0	42.8

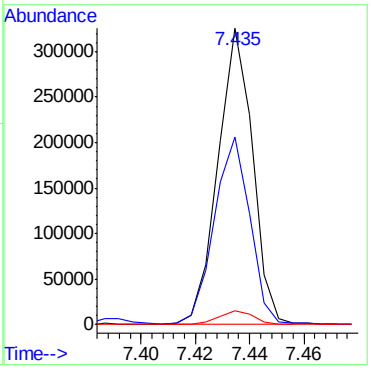


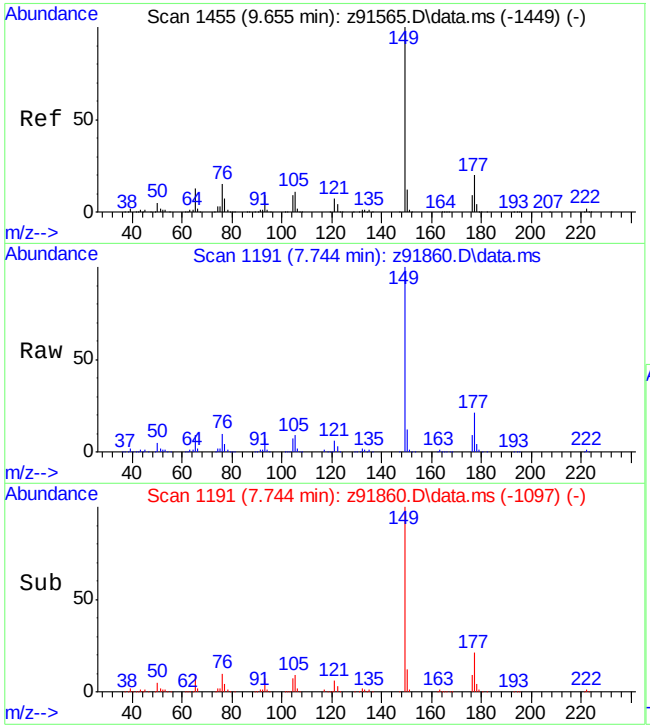


#63
2,4-Dinitrotoluene
Concen: 44.00 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 288048

Ion	Ratio	Lower	Upper
165	100		
63	63.4	1.3	61.3#
182	4.5	0.0	34.7

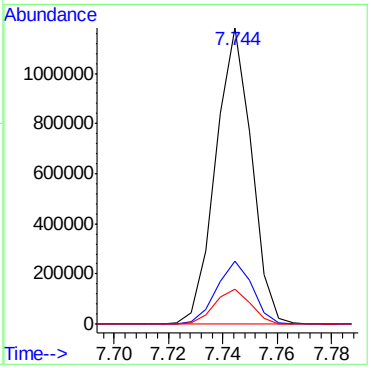


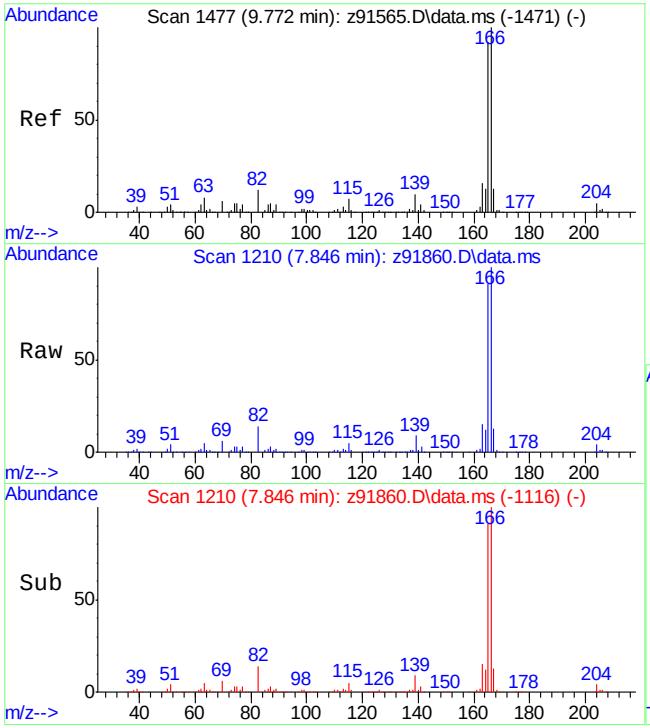


#65
Diethylphthalate
Concen: 47.19 ppb
RT: 7.744 min Scan# 1191
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1075149

Ion	Ratio	Lower	Upper
149	100		
177	21.2	0.0	51.1
150	11.6	0.0	41.7

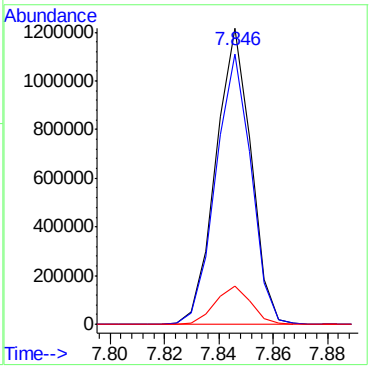


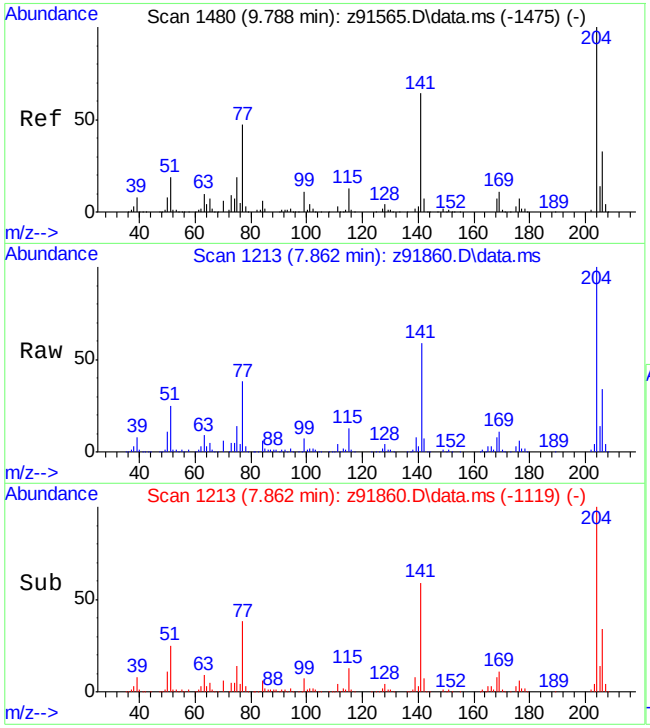


#66
Fluorene
Concen: 46.06 ppb
RT: 7.846 min Scan# 1210
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:166 Resp: 1088626

Ion	Ratio	Lower	Upper
166	100		
165	91.3	60.3	120.3
167	13.0	0.0	42.9

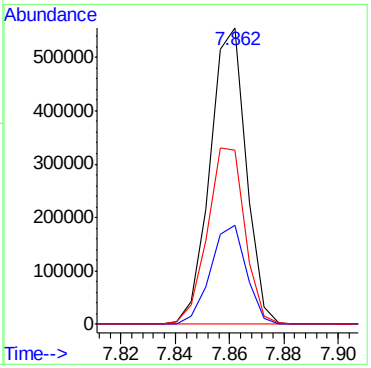


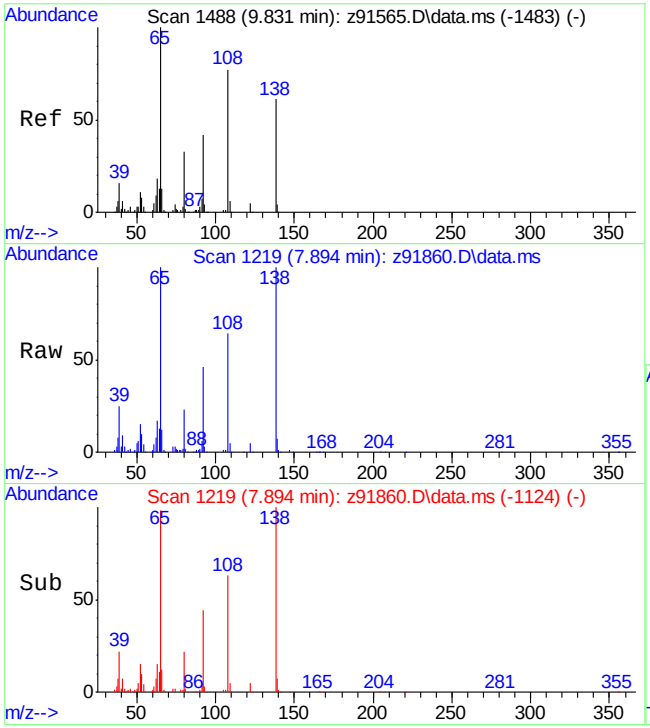


#67
4-Chlorophenyl-phenylether
Concen: 46.23 ppb
RT: 7.862 min Scan# 1213
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:204 Resp: 511306

Ion	Ratio	Lower	Upper
204	100		
206	33.6	2.1	62.1
141	58.9	25.2	85.2

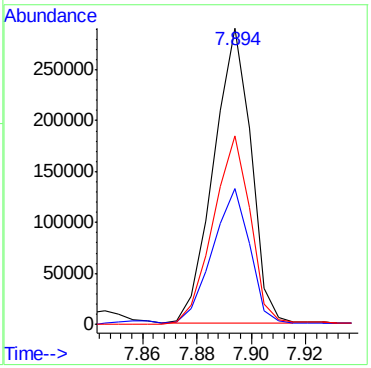


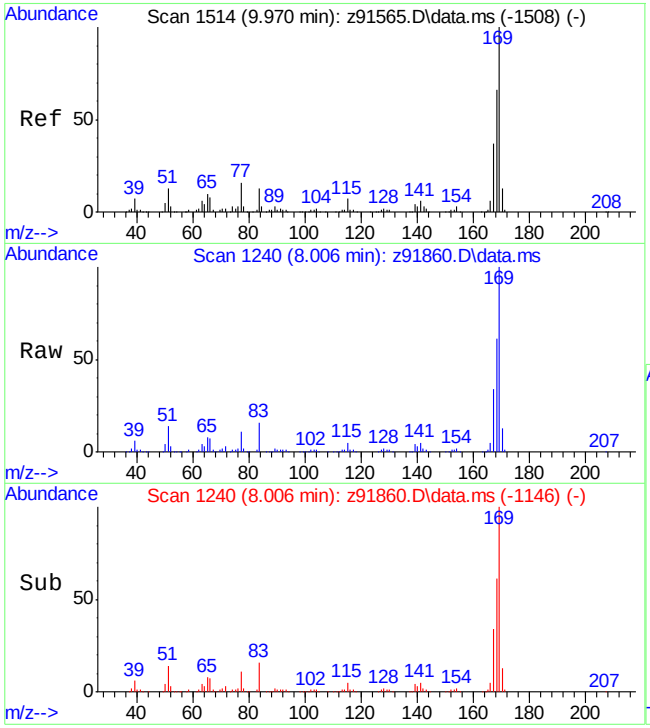


#68
4-Nitroaniline
Concen: 45.45 ppb
RT: 7.894 min Scan# 1219
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:138 Resp: 276131

Ion	Ratio	Lower	Upper
138	100		
92	45.7	12.9	72.9
108	63.4	26.4	86.4

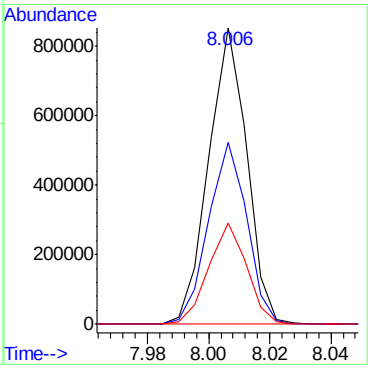


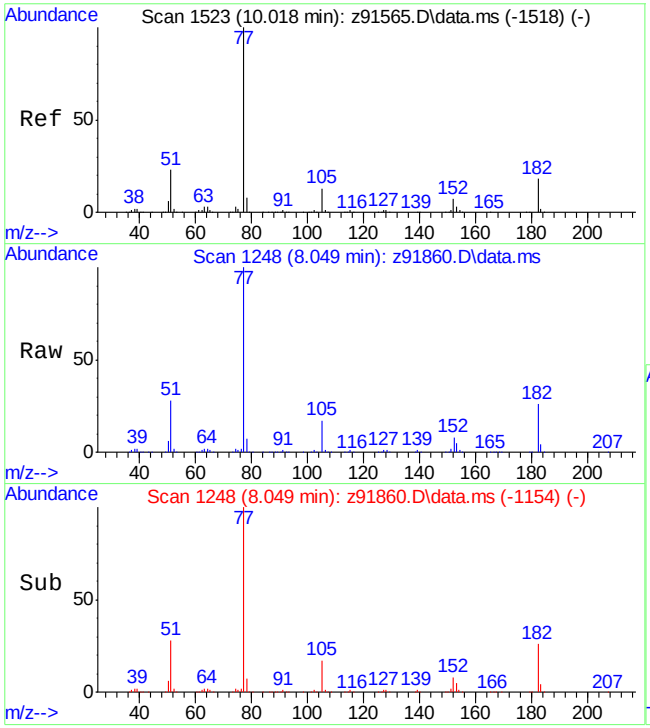


#71
n-Nitrosodiphenylamine
Concen: 48.46 ppb
RT: 8.006 min Scan# 1240
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:169 Resp: 736622

Ion	Ratio	Lower	Upper
169	100		
168	61.3	31.9	91.9
167	34.2	3.5	63.5

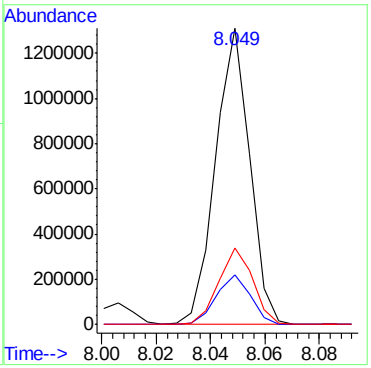


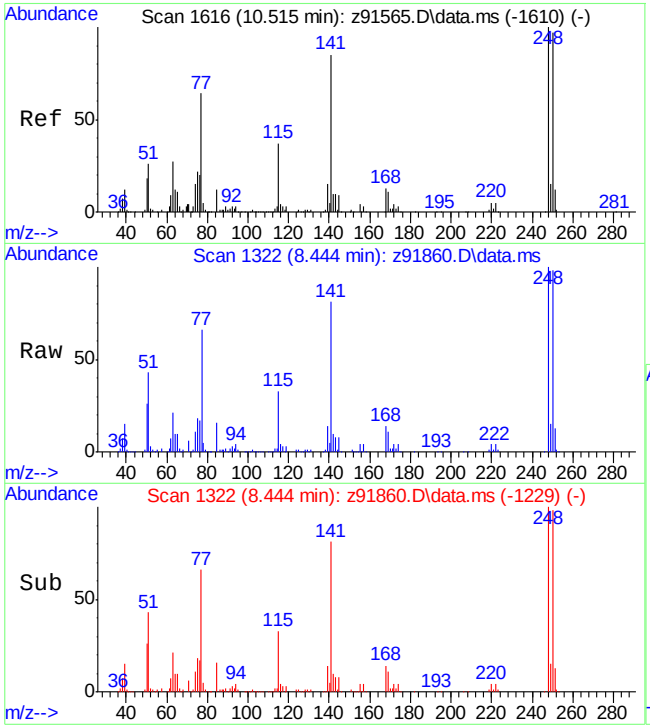


#72
1,2-Diphenylhydrazine
Concen: 48.20 ppb
RT: 8.049 min Scan# 1248
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 1139263

Ion	Ratio	Lower	Upper
77	100		
105	16.5	0.0	47.1
182	25.7	0.0	58.4

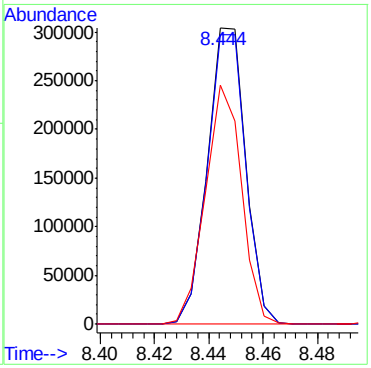


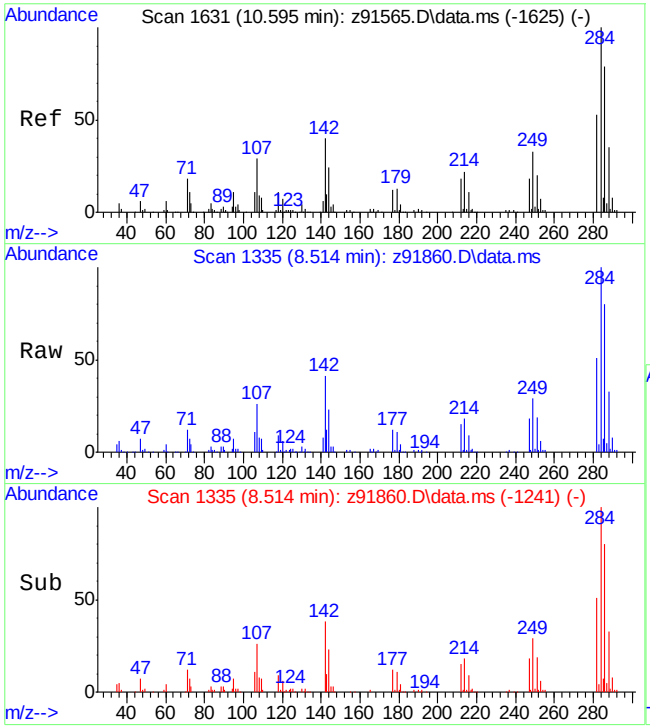


#74
4-Bromophenyl-phenylether
Concen: 48.44 ppb
RT: 8.444 min Scan# 1322
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:248 Resp: 298366

Ion	Ratio	Lower	Upper
248	100		
250	97.8	65.5	125.5
141	80.8	34.6	94.6

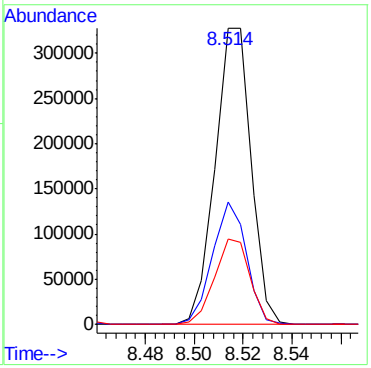


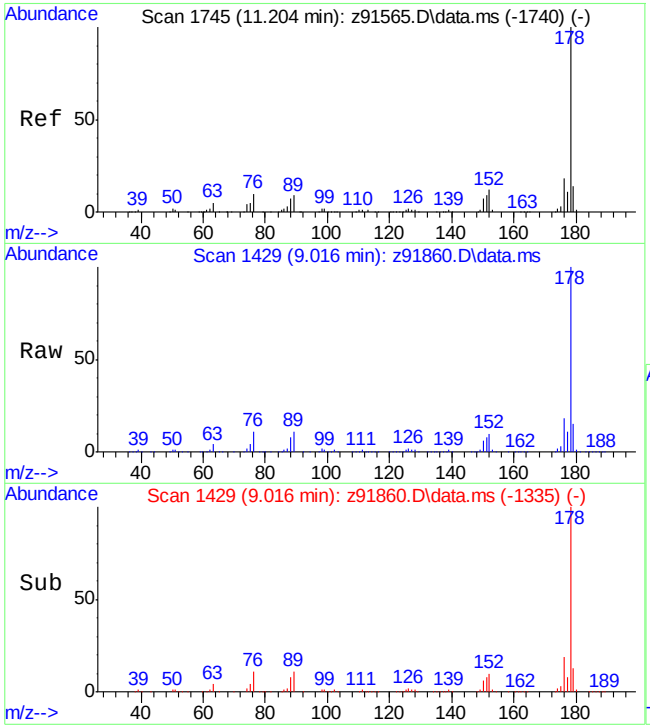


#75
Hexachlorobenzene
Concen: 46.00 ppb
RT: 8.514 min Scan# 1335
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:284 Resp: 338052

Ion	Ratio	Lower	Upper
284	100		
142	41.5	5.8	65.8
249	28.9	0.0	57.6

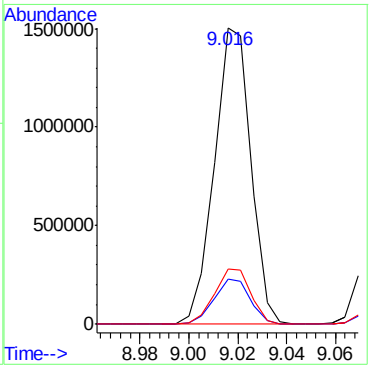


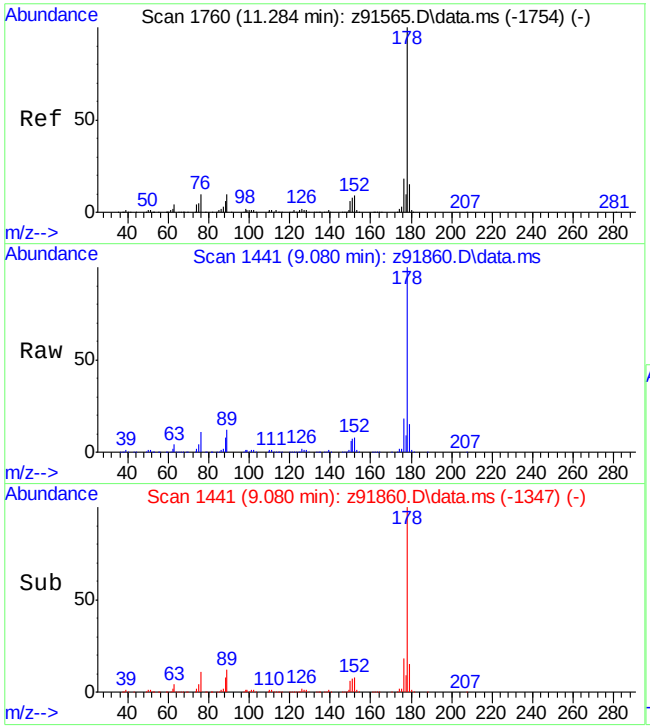


#77
Phenanthrene
Concen: 44.66 ppb
RT: 9.016 min Scan# 1429
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1558276

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.1
176	18.5	0.0	48.1

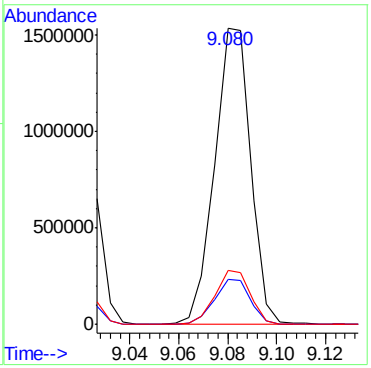


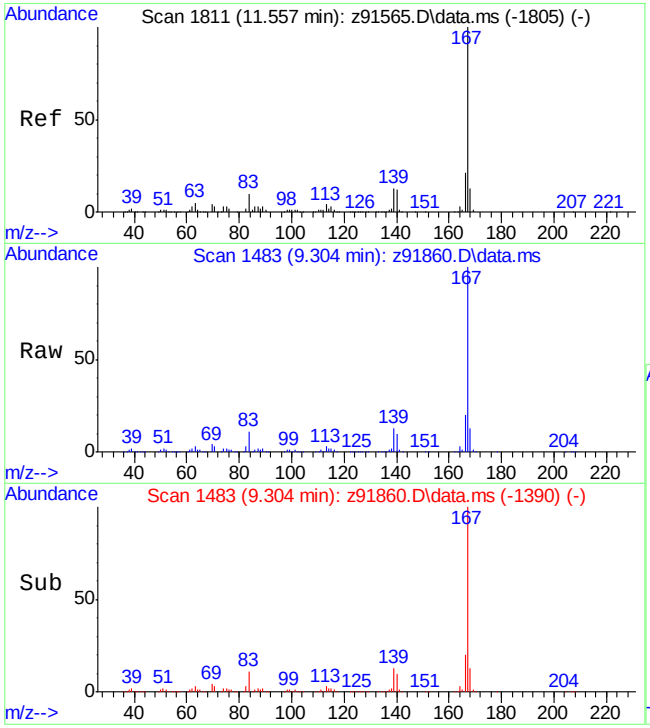


#78
Anthracene
Concen: 46.66 ppb
RT: 9.080 min Scan# 1441
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1578056

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.0
176	18.1	0.0	47.8

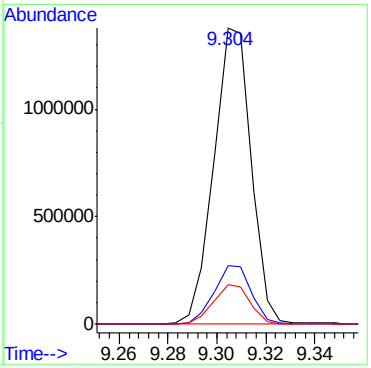


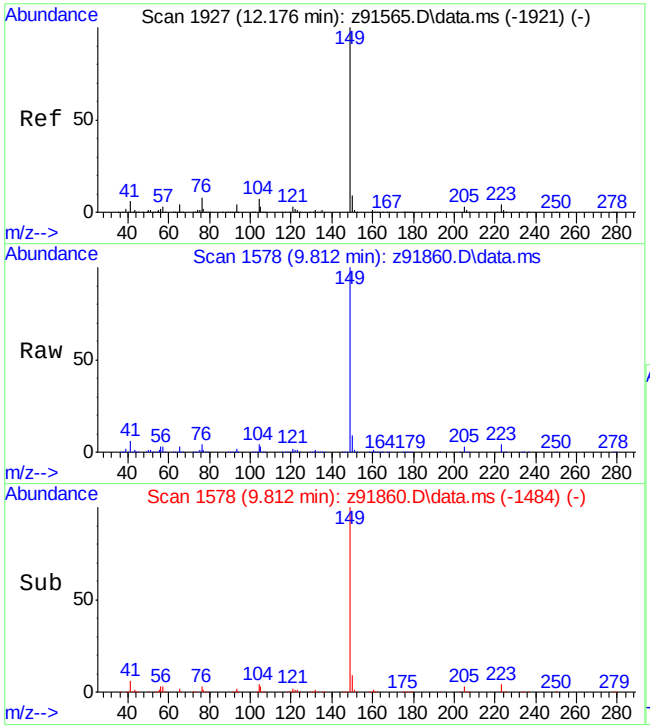


#79
Carbazole
Concen: 41.76 ppb
RT: 9.304 min Scan# 1483
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:167 Resp: 1463099

Ion	Ratio	Lower	Upper
167	100		
166	19.6	0.0	49.8
139	13.5	0.0	43.1

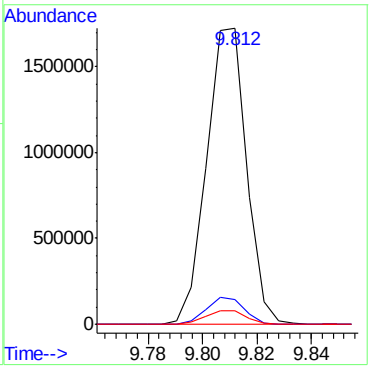


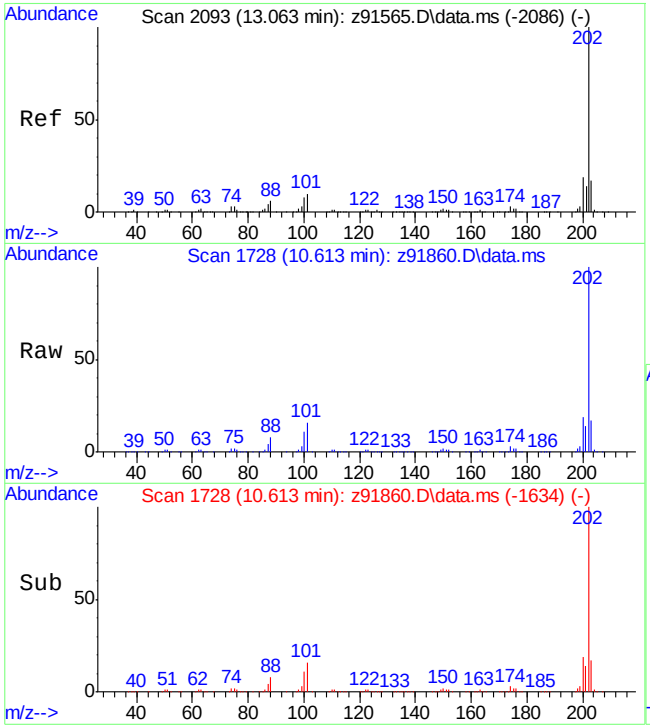


#80
Di-n-butylphthalate
Concen: 50.88 ppb
RT: 9.812 min Scan# 1578
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1750963

Ion	Ratio	Lower	Upper
149	100		
150	8.5	0.0	38.8
104	4.5	0.0	34.5

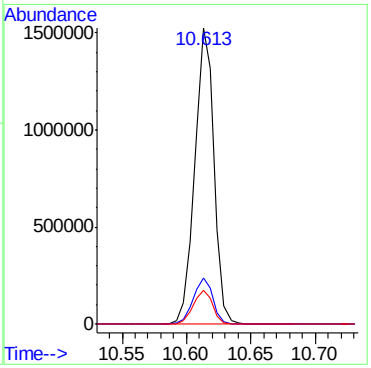


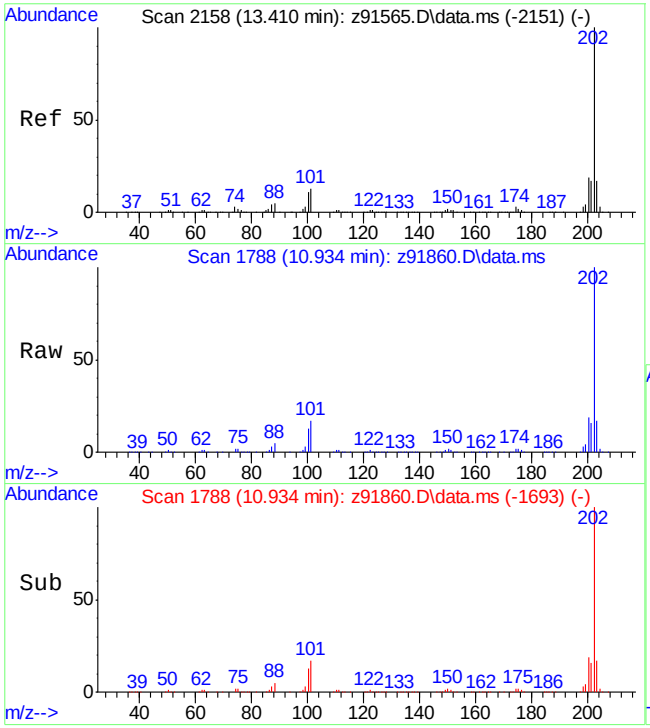


#81
Fluoranthene
Concen: 47.32 ppb
RT: 10.613 min Scan# 1728
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1607725

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	47.1
100	11.5	0.0	42.5

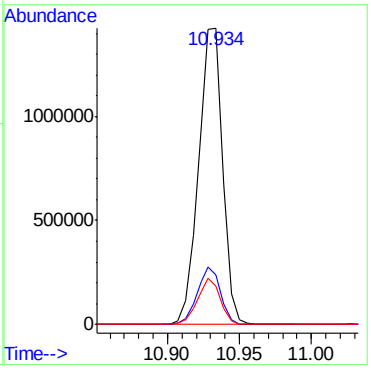


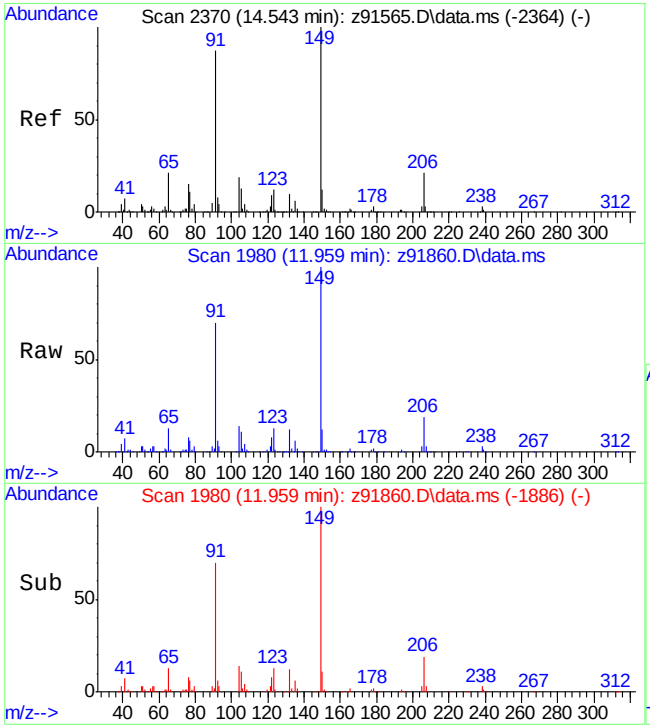


#84
Pyrene
Concen: 48.07 ppb
RT: 10.934 min Scan# 1788
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1670566

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	48.4
100	13.0	0.0	44.6

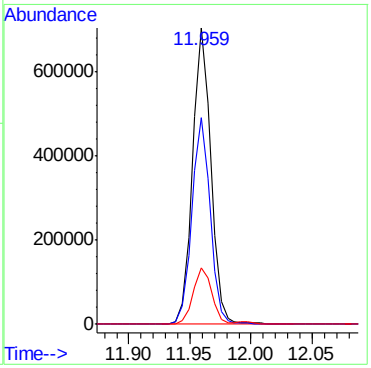


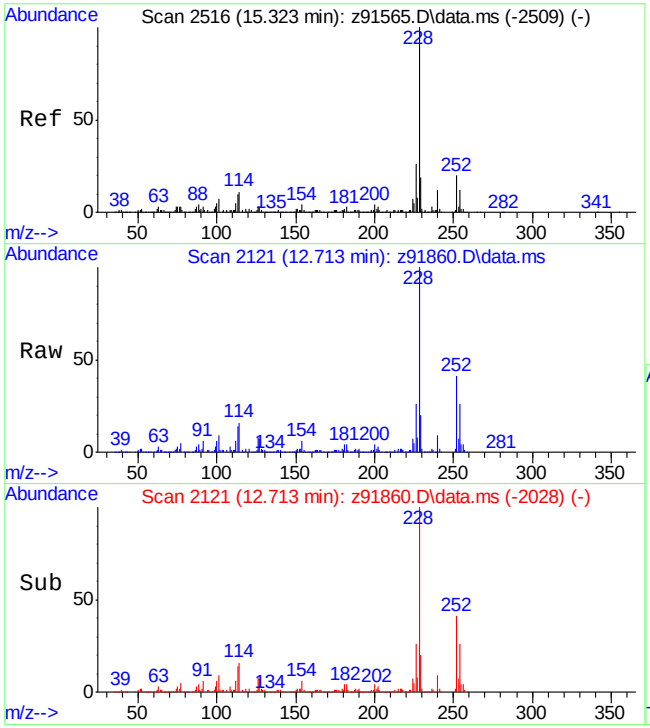


#87
Butylbenzylphthalate
Concen: 52.20 ppb
RT: 11.959 min Scan# 1980
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 731635

Ion	Ratio	Lower	Upper
149	100		
91	69.8	38.7	98.7
206	19.0	0.0	49.5

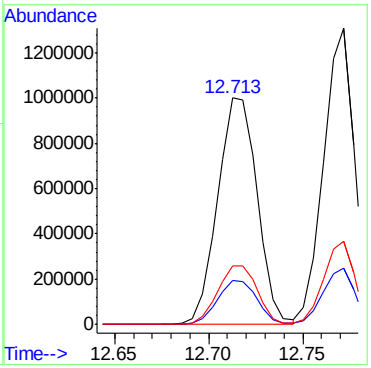


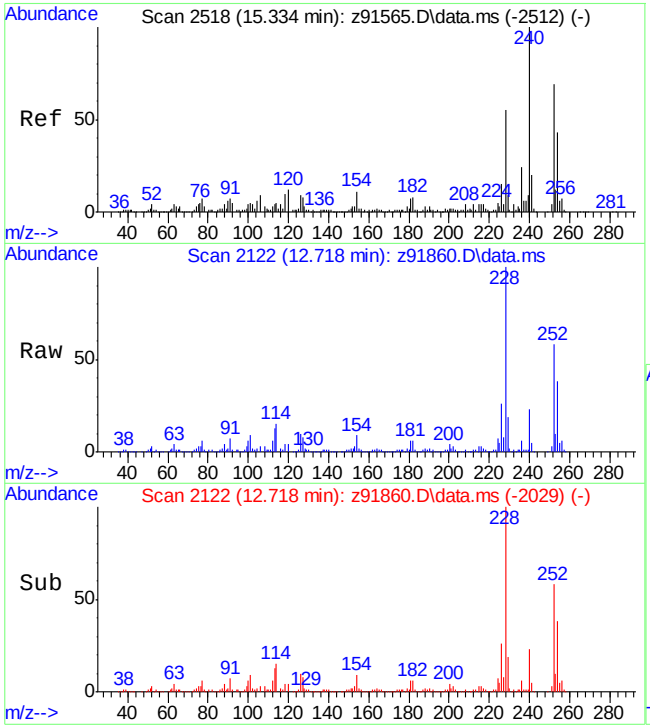


#88
Benzo[a]anthracene
Concen: 46.48 ppb
RT: 12.713 min Scan# 2121
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

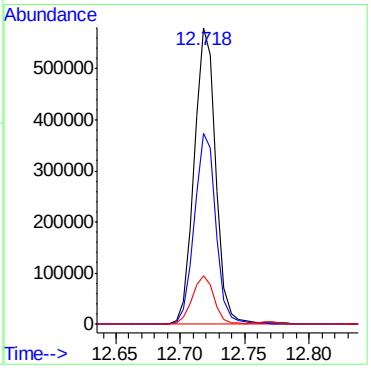




#89
3,3'-Dichlorobenzidine
Concen: 66.53 ppb
RT: 12.718 min Scan# 2122
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

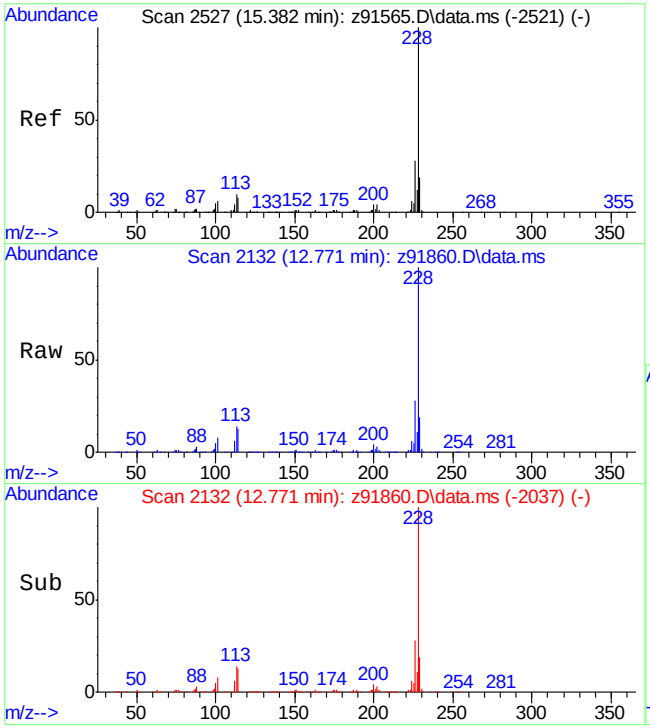
Tgt Ion:252 Resp: 685540

Ion	Ratio	Lower	Upper
252	100		
254	64.4	33.8	93.8
126	16.5	0.0	46.0



9.6.50

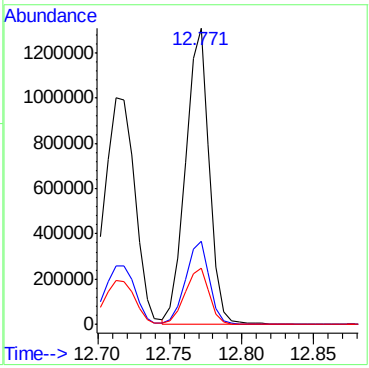
6

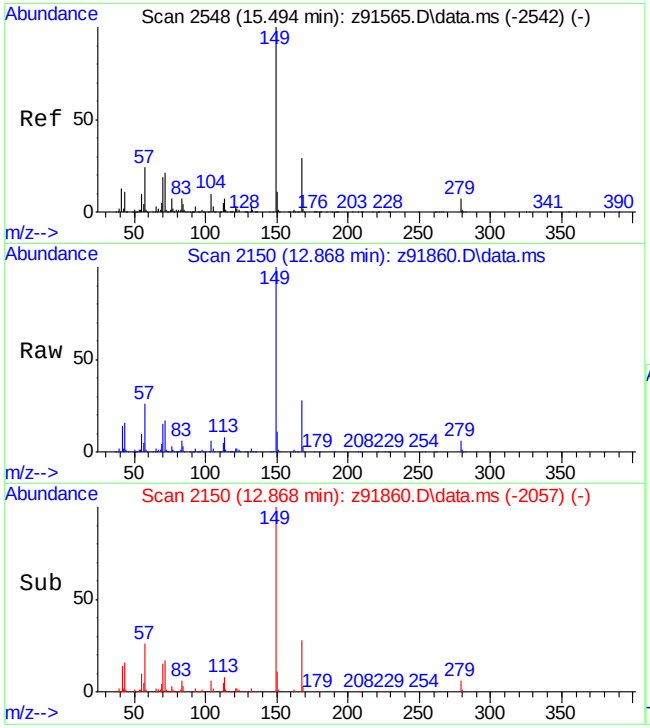


#90
Chrysene
Concen: 48.34 ppb
RT: 12.771 min Scan# 2132
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

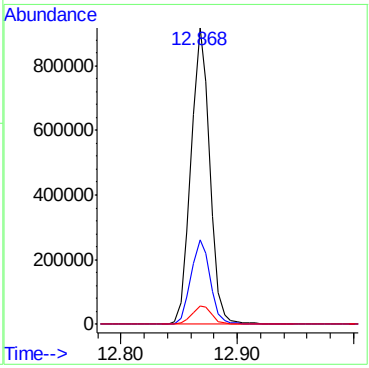


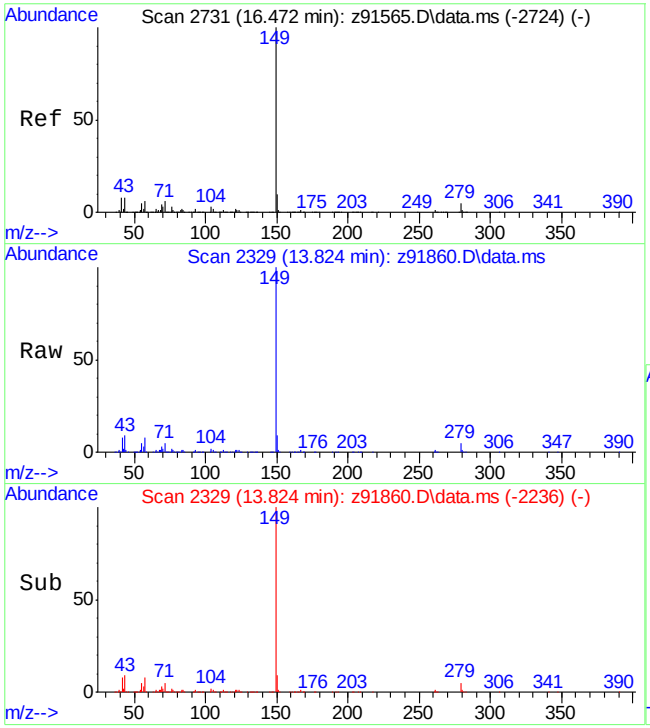


#91
bis(2-Ethylhexyl)phthalate
Concen: 53.48 ppb
RT: 12.868 min Scan# 2150
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

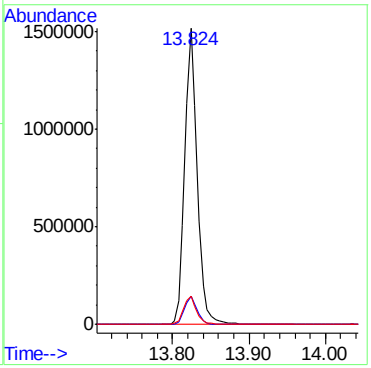


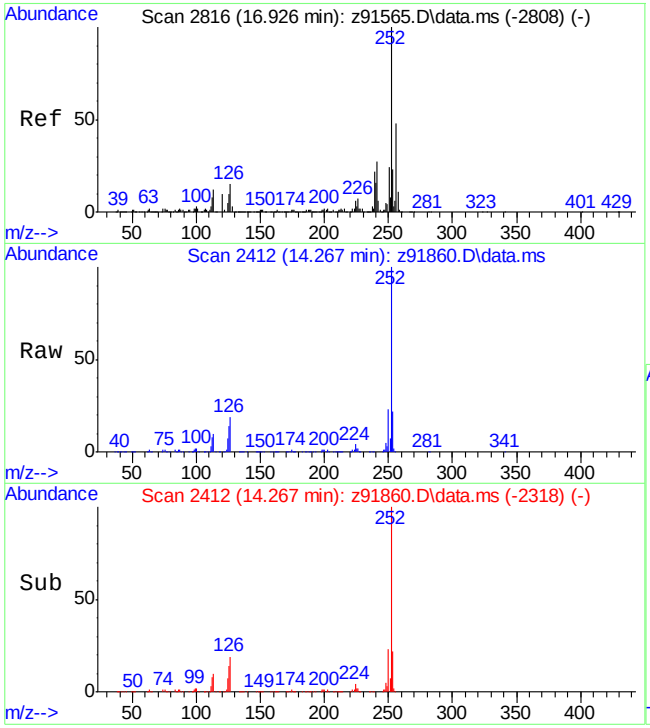


#93
Di-n-octylphthalate
Concen: 48.95 ppb
RT: 13.824 min Scan# 2329
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

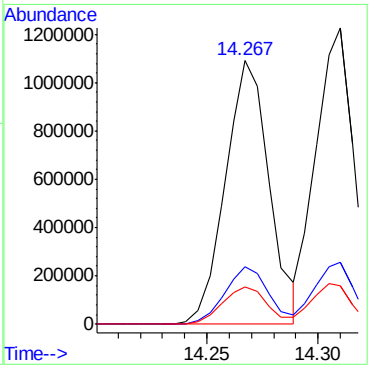


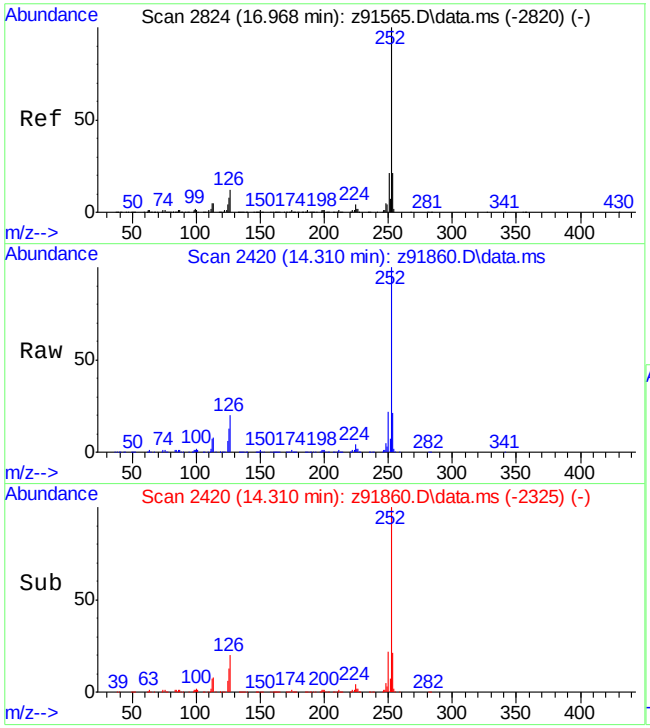


#94
Benzo[b]fluoranthene
Concen: 47.55 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

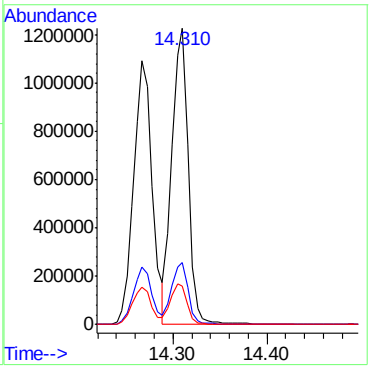


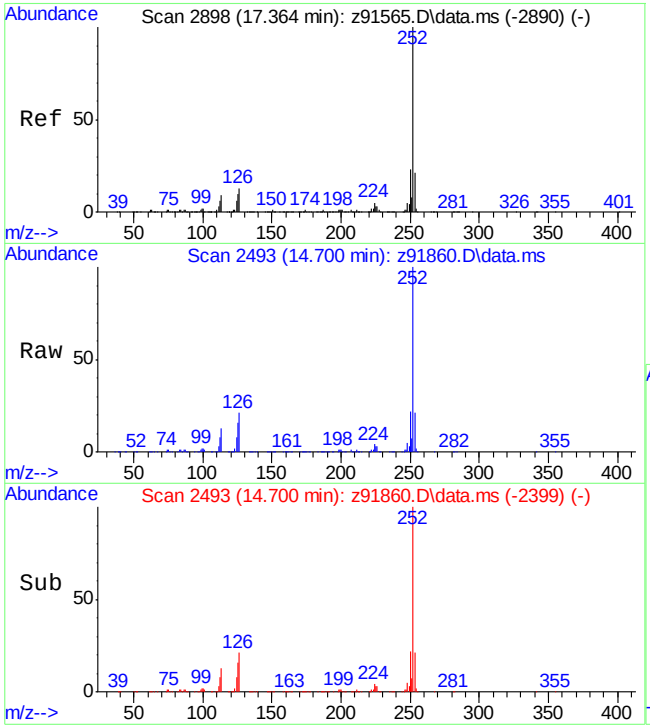


#95
Benzo[k]fluoranthene
Concen: 45.40 ppb
RT: 14.310 min Scan# 2420
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

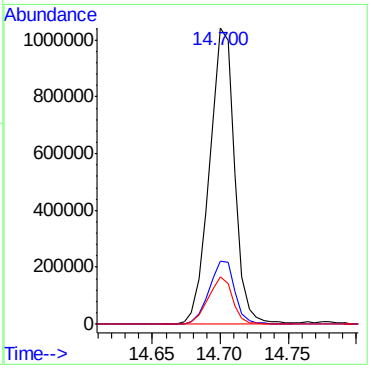


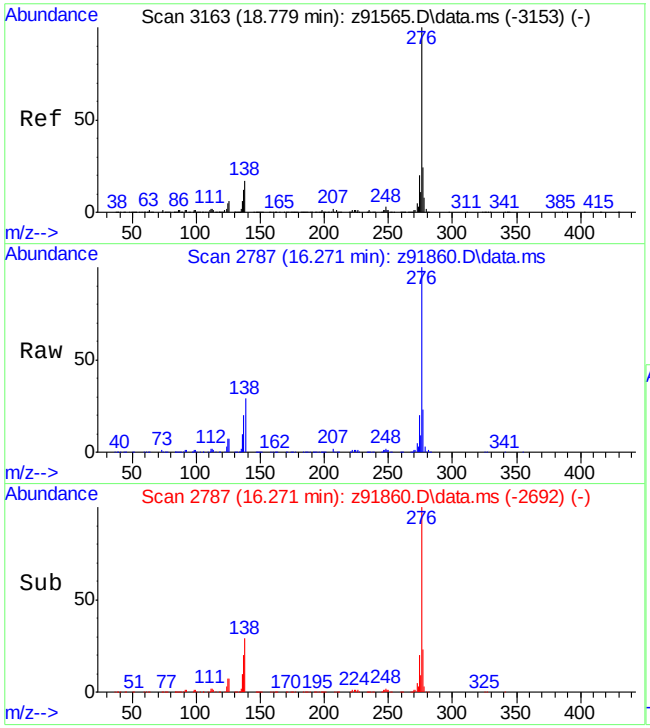


#96
Benzo[a]pyrene
Concen: 48.12 ppb
RT: 14.700 min Scan# 2493
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

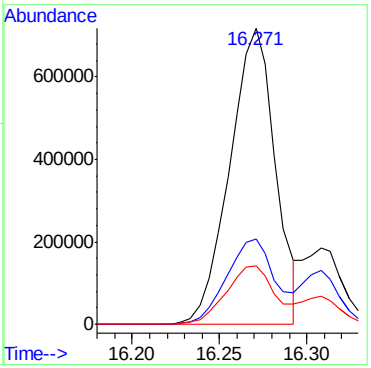


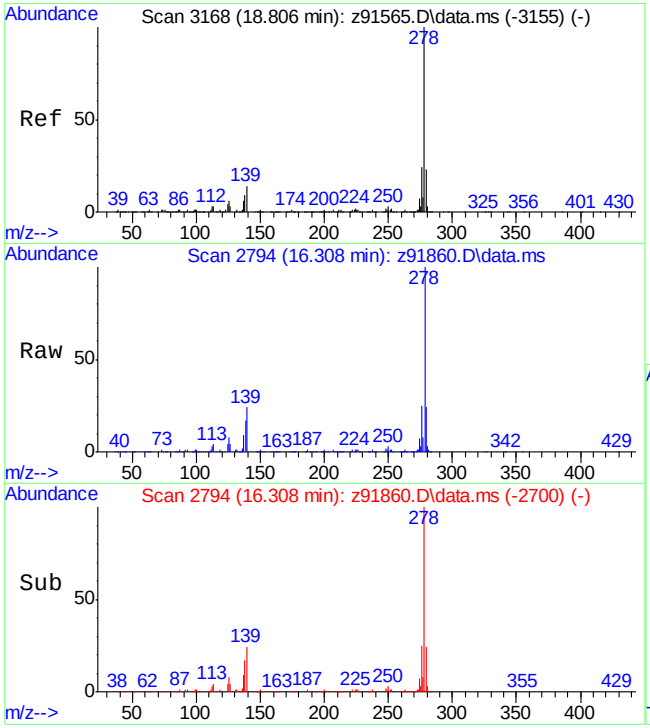


#97
Indeno[1,2,3-cd]pyrene
Concen: 48.58 ppb
RT: 16.271 min Scan# 2787
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

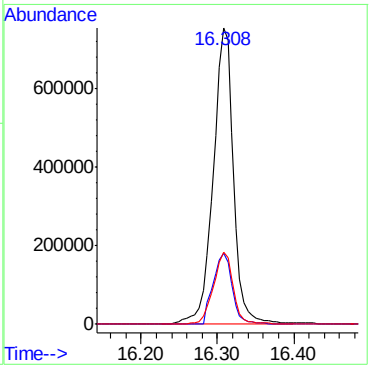




#99
Dibenz[a,h]anthracene
Concen: 48.86 ppb
RT: 16.308 min Scan# 2794
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

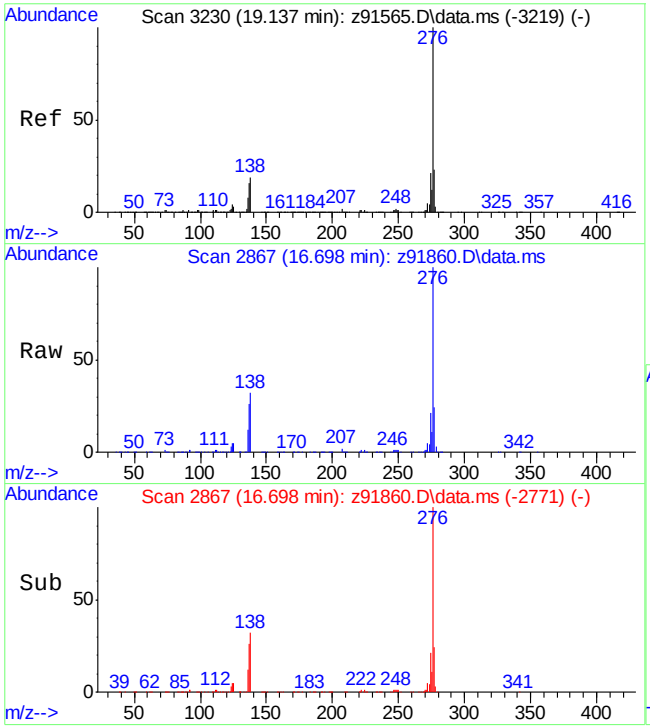
Tgt Ion:278 Resp: 1383911

Ion	Ratio	Lower	Upper
278	100		
139	23.8	0.0	54.1
279	24.4	0.0	53.2



9.6.50

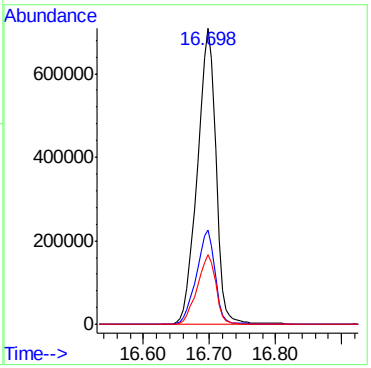
6



#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



9.6.50

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

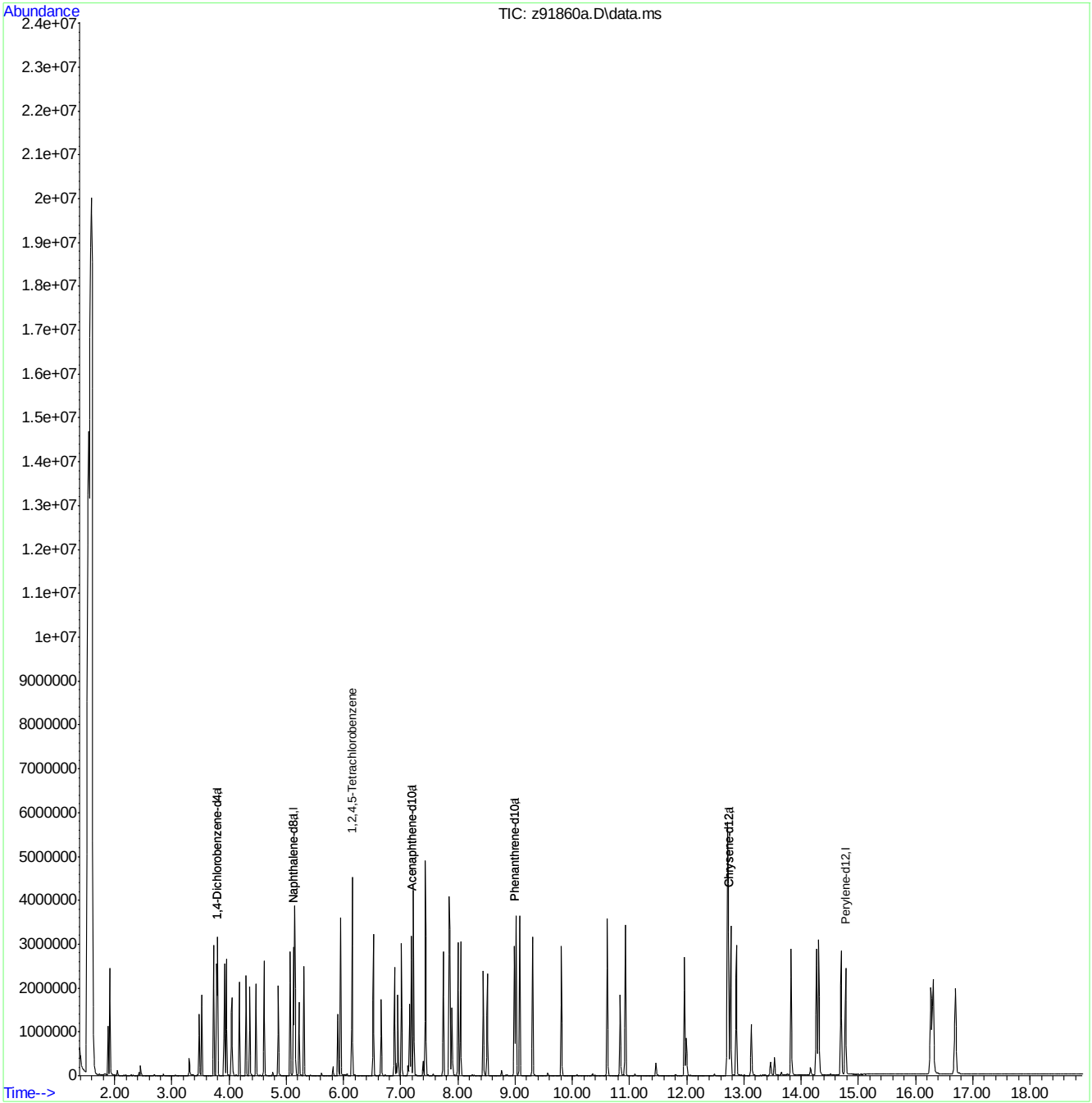
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
111) 1,2,4,5-Tetrachloroben...	6.152	216	493386	56.35	ppb	98

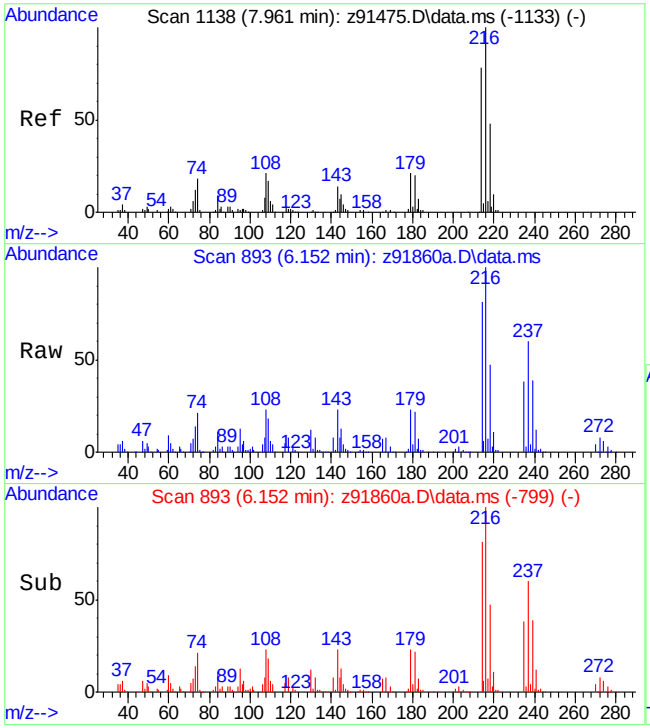
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

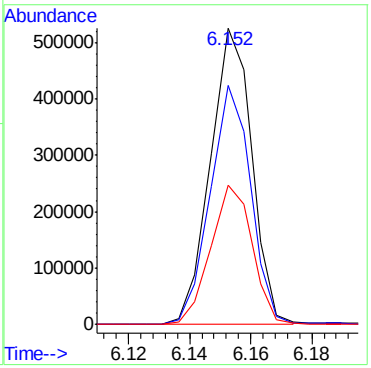




#111
1,2,4,5-Tetrachlorobenzene
Concen: 56.35 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860a.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:216 Resp: 493386

Ion	Ratio	Lower	Upper
216	100		
214	80.9	59.2	99.2
218	47.0	28.4	68.4



9.6.51

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration

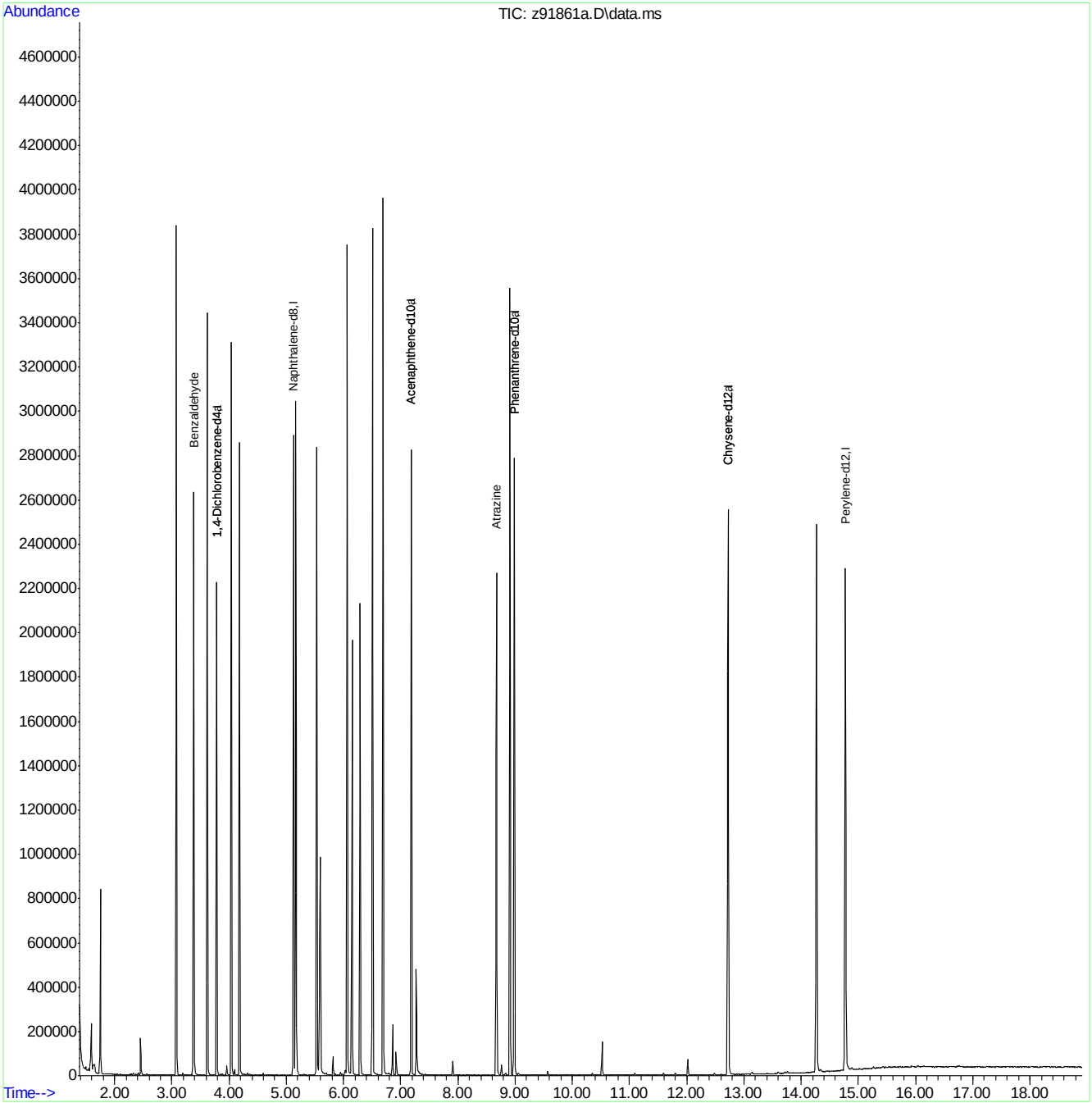
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb	0.02
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb	0.02
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb	0.03
83) Chrysene-d12	12.723	240	1084642	40.00	ppb	0.02
92) Perylene-d12	14.775	264	957548	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb	0.00
106) Chrysene-d12a	12.723	240	1084642	40.00	ppb	0.00
108) Acenaphthene-d10a	7.183	164	674056	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	445470	61.31	ppb	85
105) Atrazine	8.674	215	140033	52.35	ppb #	74

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb		0.00
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb		0.00
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb		0.00
83) Chrysene-d12	12.723	240	1084642	40.00	ppb		-0.01
92) Perylene-d12	14.775	264	957548	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb		0.00
107) Chrysene-d12a	12.723	240	1084642	40.00	ppb		-0.01
110) Acenaphthene-d10a	7.183	164	674056	40.00	ppb		0.00
112) Naphthalene-d8a	5.127	136	1224773	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	226374	42.72	ppb		99
6) Indene	4.042	116	942222	44.96	ppb		97
7) Cumene	3.075	105	1279329	43.16	ppb		99
13) Decane	3.620	43	565933	39.93	ppb		97
18) Acetophenone	4.181	105	742272	43.33	ppb		96
26) Nitrobenzene	4.181	77	579593	48.58	ppb	#	35
27) Quinoline	5.527	129	1070405	43.63	ppb		99
40) 2,3-Dichloroaniline	6.291	161	444026	37.97	ppb		99
41) Caprolactam	5.591	55	229369	40.30	ppb		98
45) 1-Methylnaphthalene	6.067	141	873720	42.74	ppb		99
46) Dimethylnaphthalene	6.692	156	898145	43.36	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	303432	56.94	ppb		99
53) Biphenyl	6.510	154	1216191	42.66	ppb		99
82) Octadecane	8.909	57	696175	45.17	ppb		96
100) 7,12-Dimethylbenz(a)an...	14.267	256	592112	53.28	ppb		99

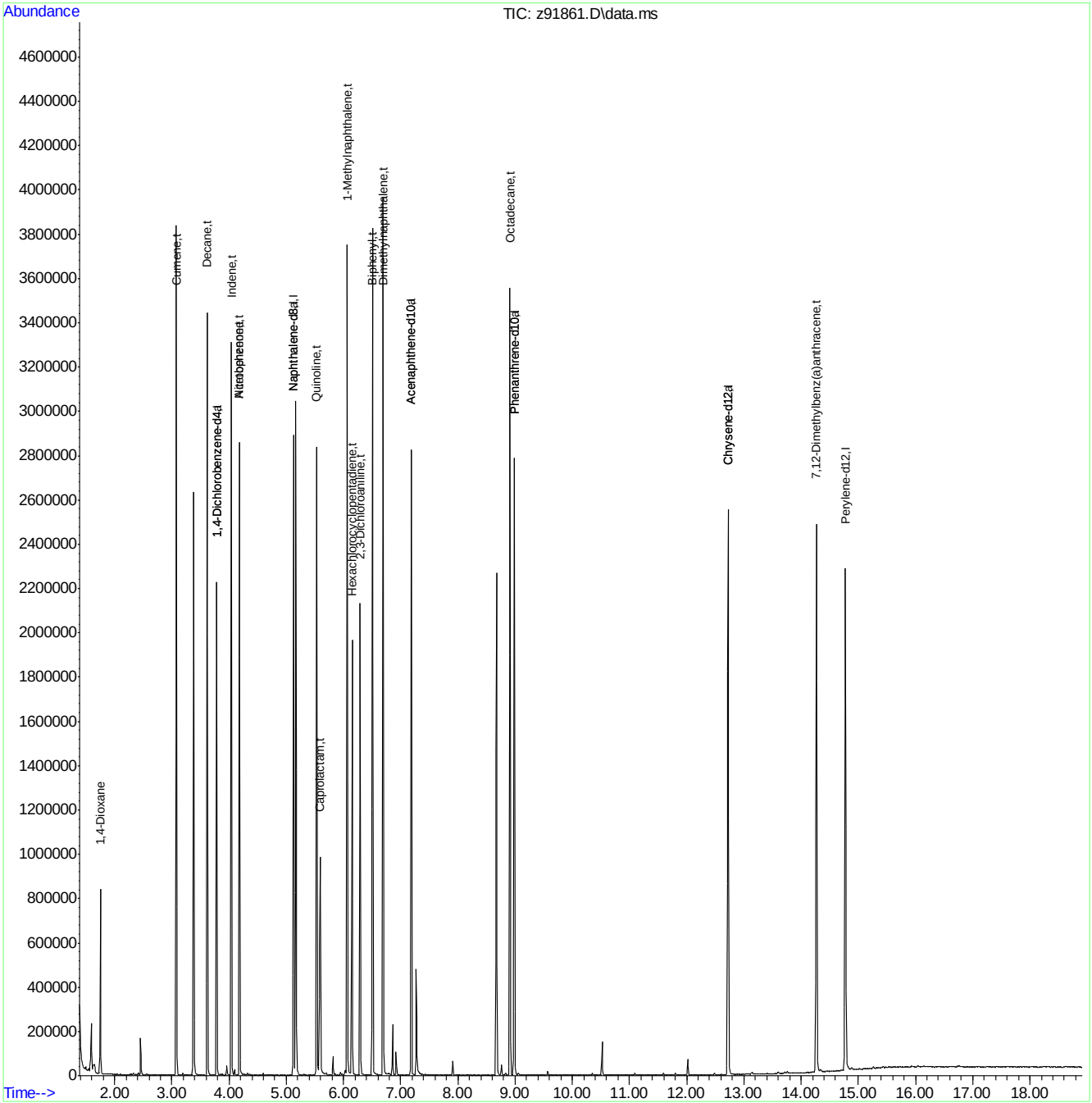
(#) = qualifier out of range (m) = manual integration (+) = signals summed

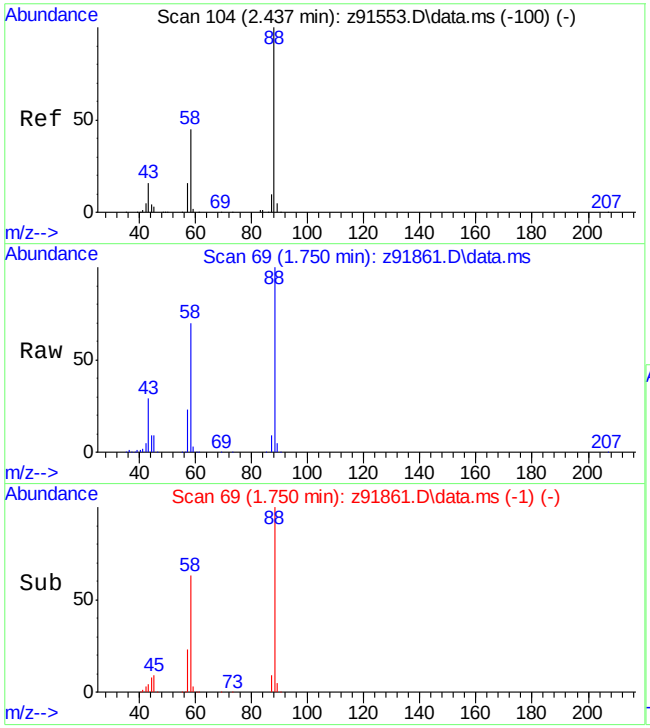
MZ4569.M Wed May 28 12:12:14 2014 RTE

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

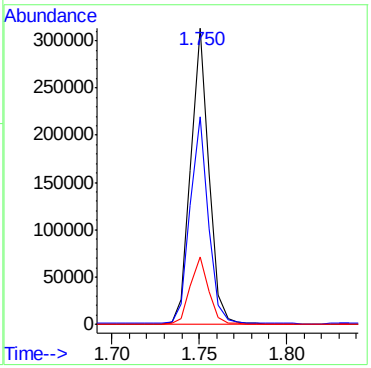


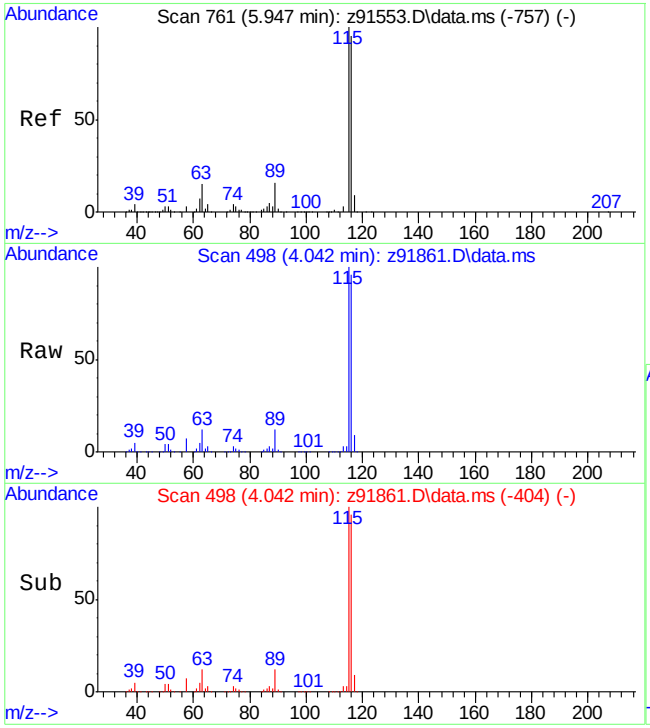


#2
1,4-Dioxane
Concen: 42.72 ppb
RT: 1.750 min Scan# 69
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

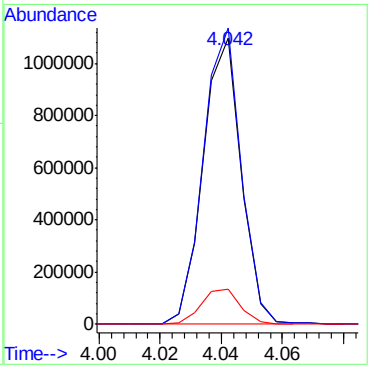


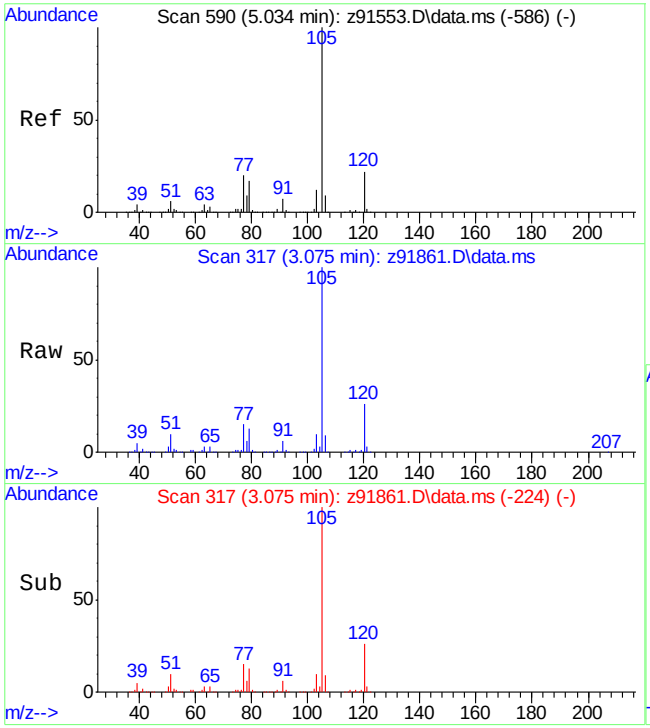


#6
Indene
Concen: 44.96 ppb
RT: 4.042 min Scan# 498
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

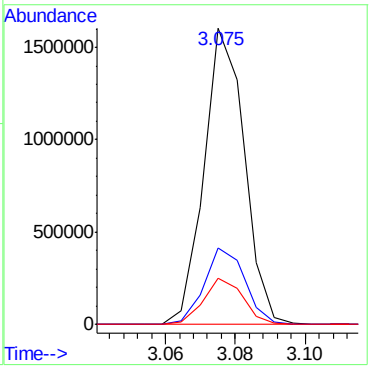


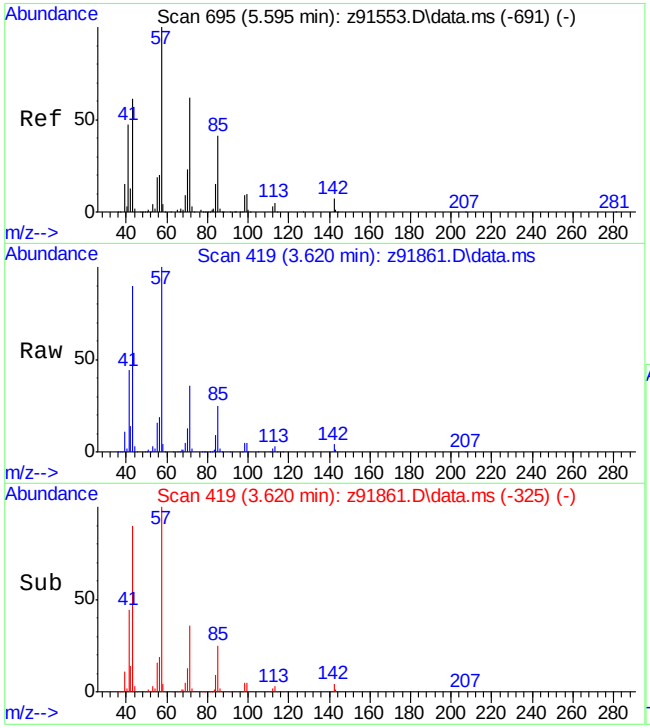


#7
Cumene
Concen: 43.16 ppb
RT: 3.075 min Scan# 317
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

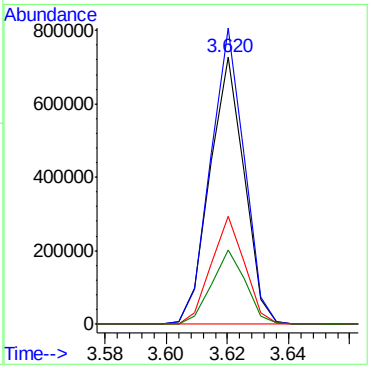


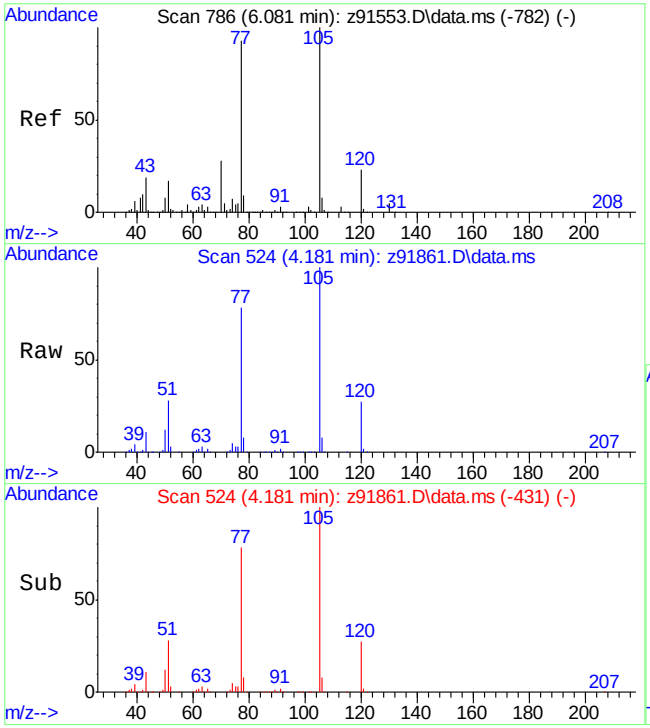


#13
Decane
Concen: 39.93 ppb
RT: 3.620 min Scan# 419
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

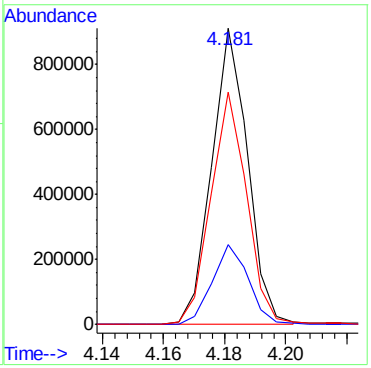


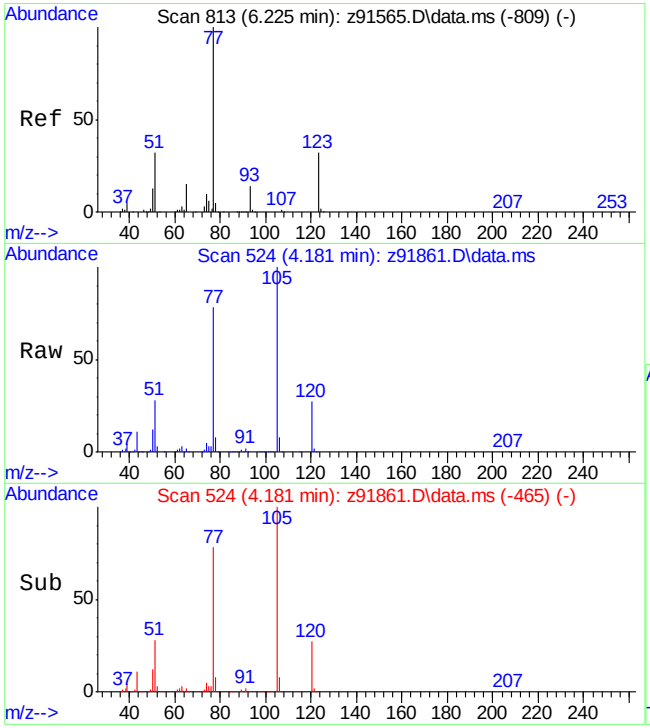


#18
Acetophenone
Concen: 43.33 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

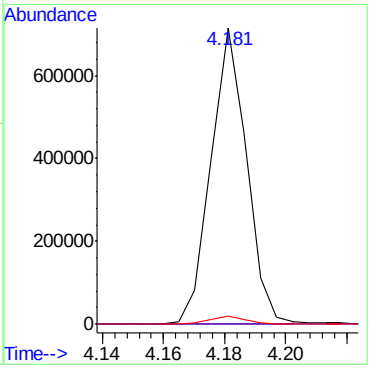


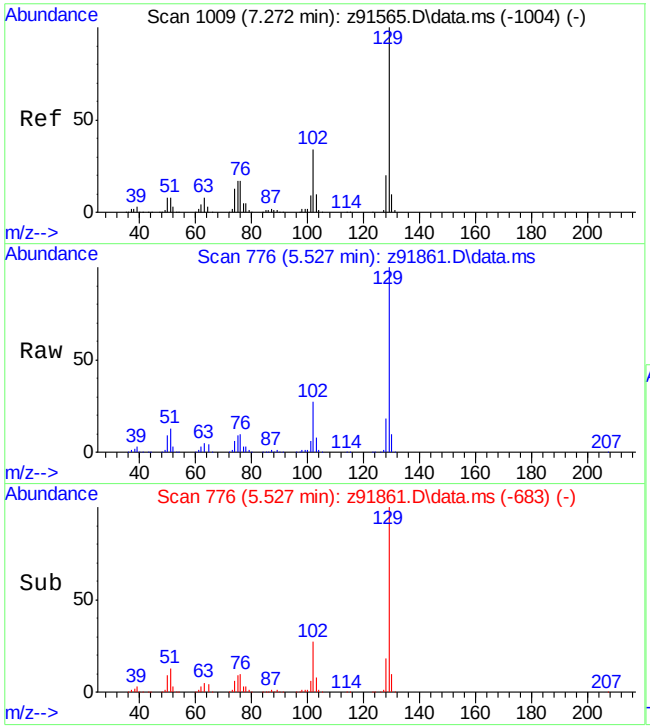


#26
Nitrobenzene
Concen: 48.58 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.187 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

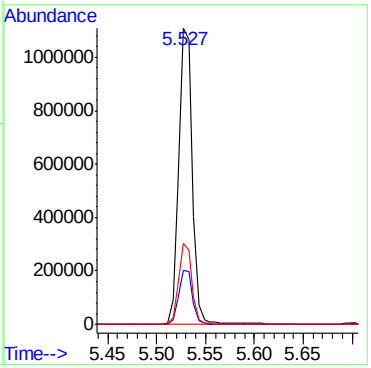


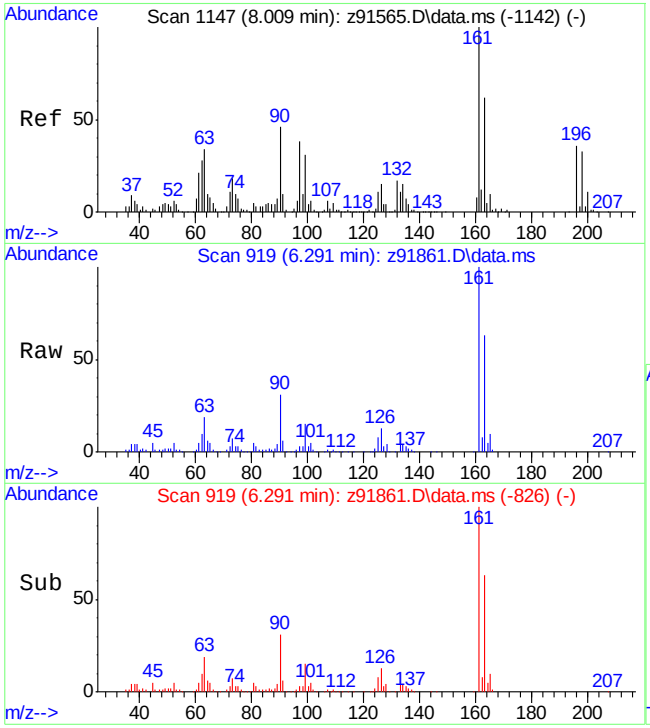


#27
Quinoline
Concen: 43.63 ppb
RT: 5.527 min Scan# 776
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

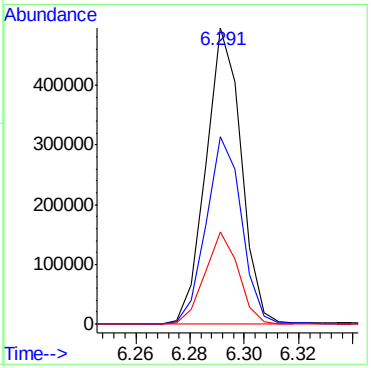


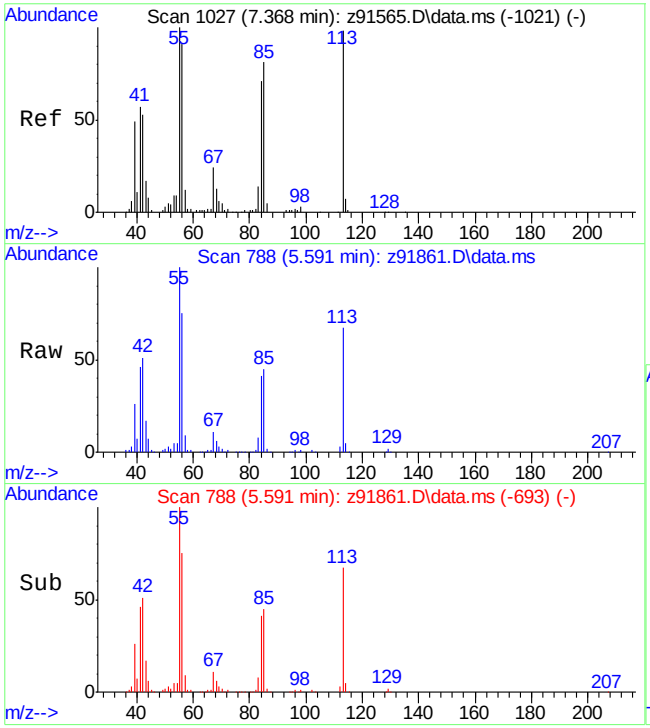


#40
2,3-Dichloroaniline
Concen: 37.97 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

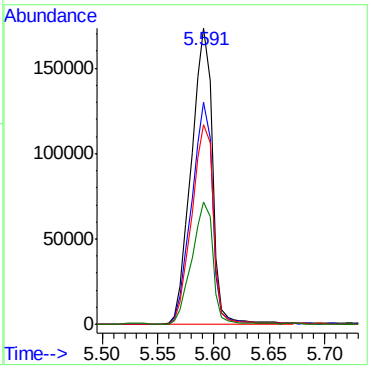


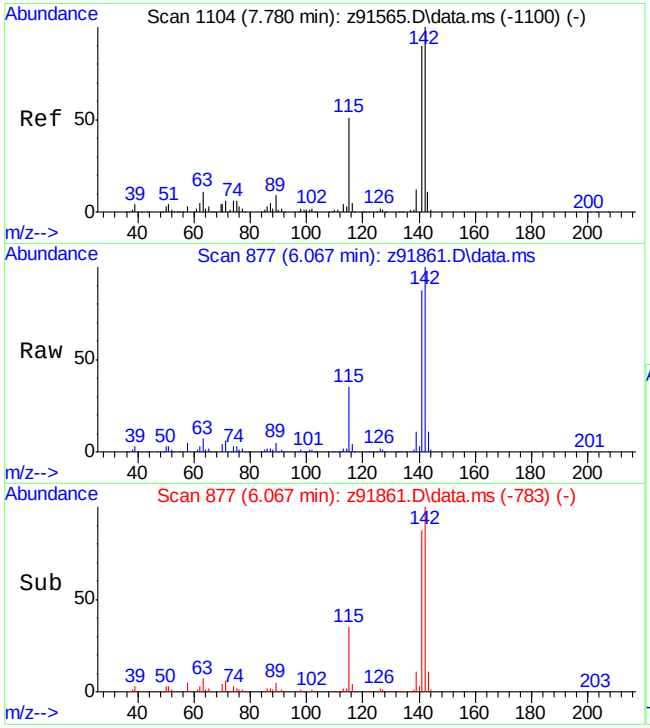


#41
Caprolactam
Concen: 40.30 ppb
RT: 5.591 min Scan# 788
Delta R.T. 0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

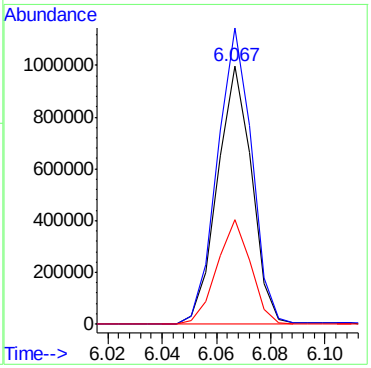


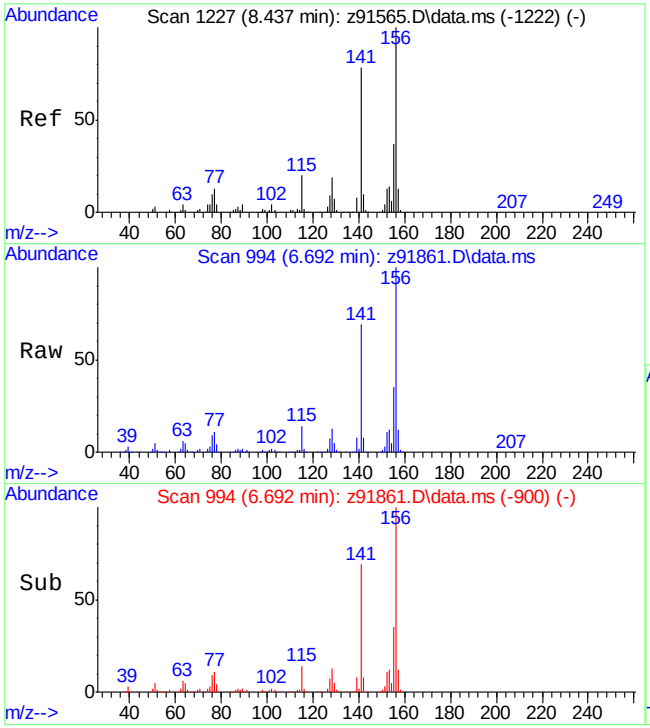


#45
1-Methylnaphthalene
Concen: 42.74 ppb
RT: 6.067 min Scan# 877
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

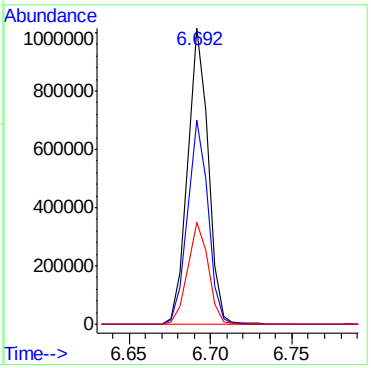


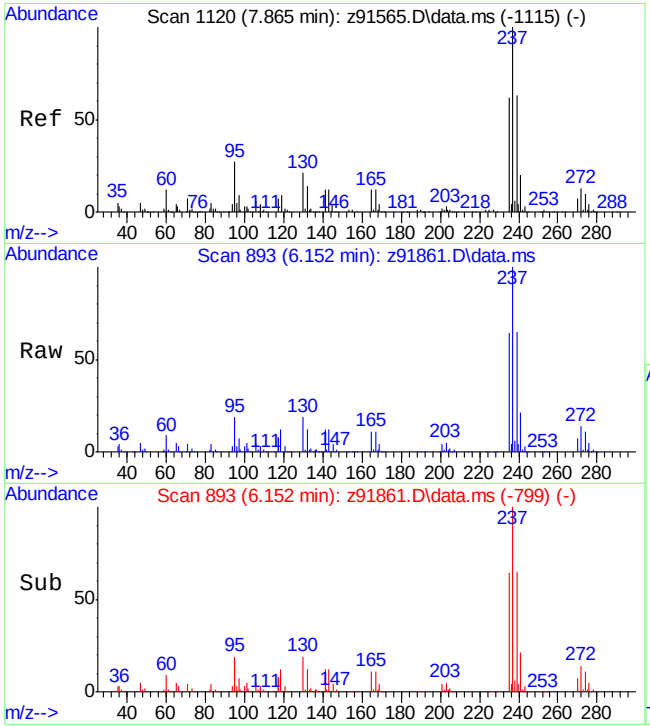


#46
Dimethylnaphthalene
Concen: 43.36 ppb
RT: 6.692 min Scan# 994
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

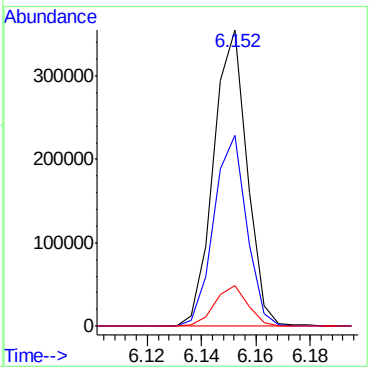


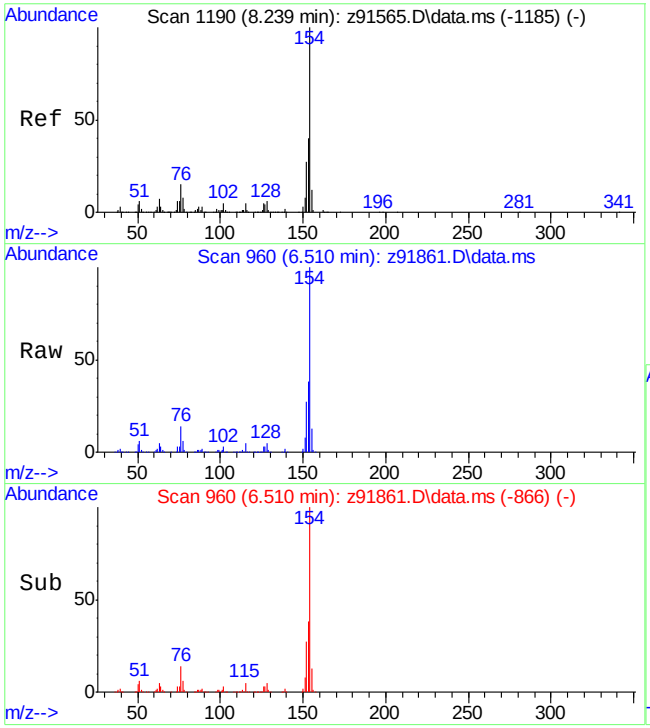


#48
Hexachlorocyclopentadiene
Concen: 56.94 ppb
RT: 6.152 min Scan# 893
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

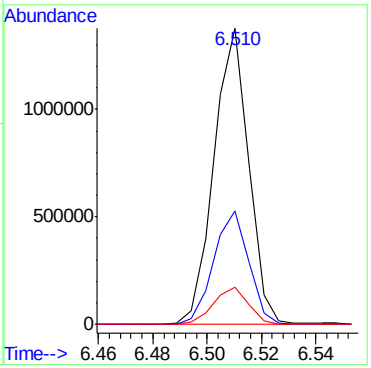


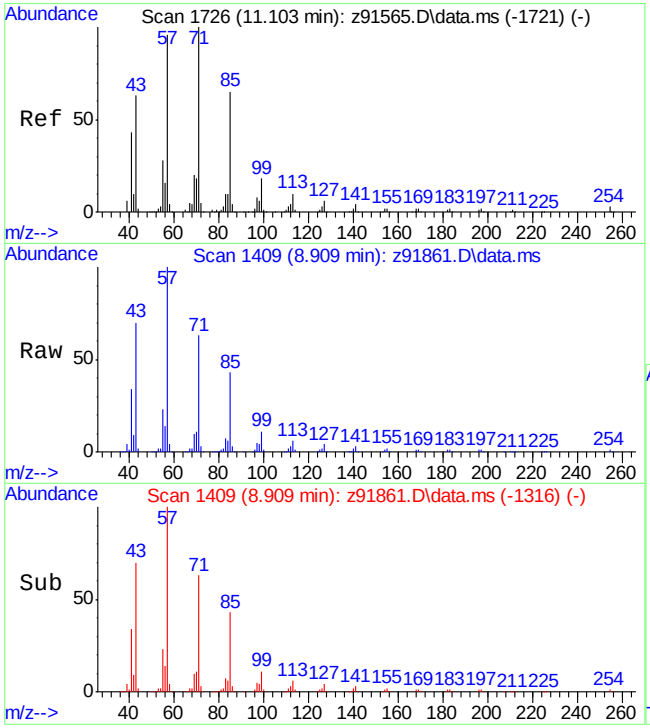


#53
Biphenyl
Concen: 42.66 ppb
RT: 6.510 min Scan# 960
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

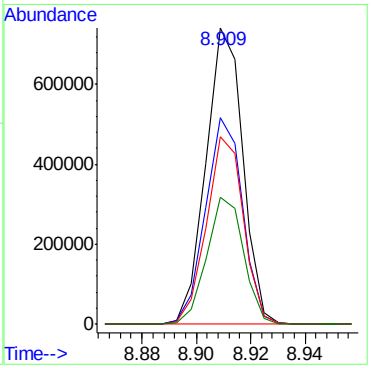




#82
Octadecane
Concen: 45.17 ppb
RT: 8.909 min Scan# 1409
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

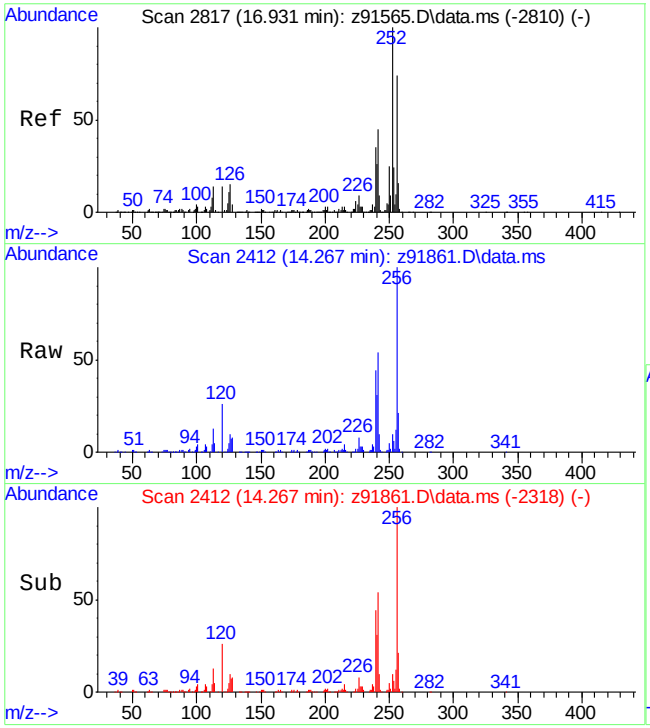
Tgt Ion: 57 Resp: 696175

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



9.6.53

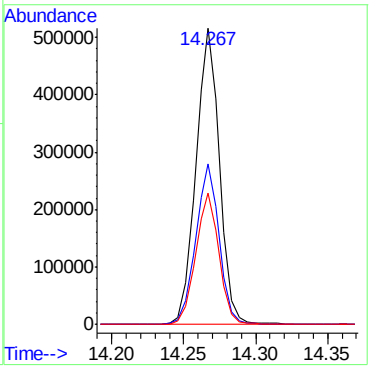
6



#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



9.6.53

6

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

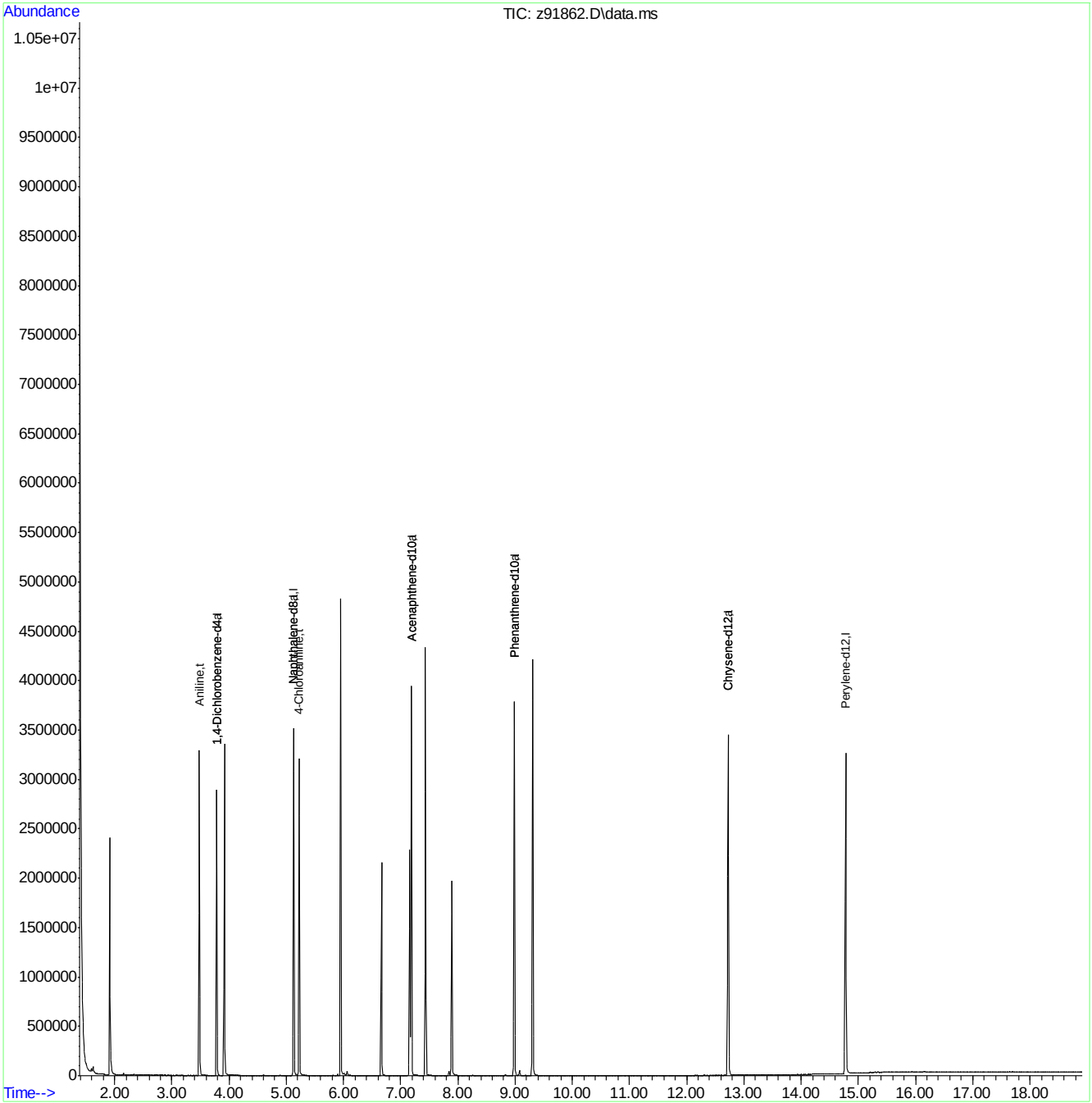
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	402904	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1607360	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	895094	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1499779	40.00	ppb	0.00
83) Chrysene-d12	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

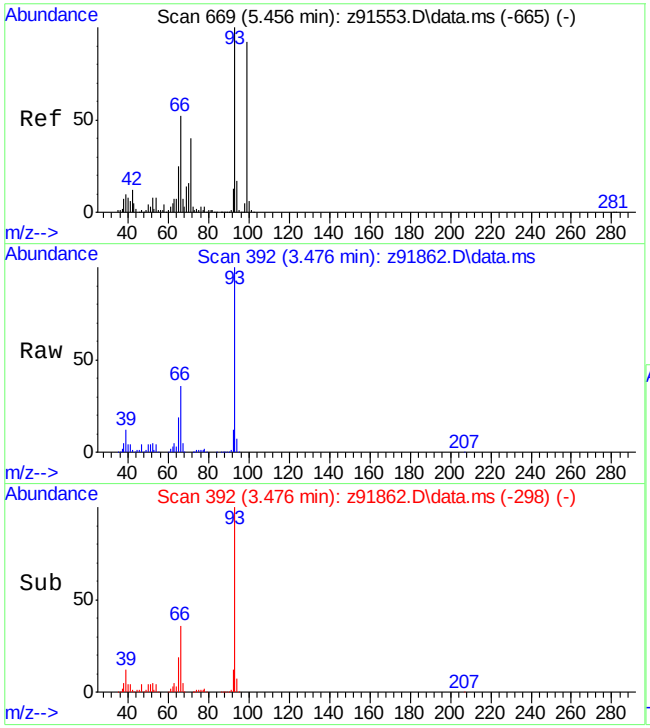
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

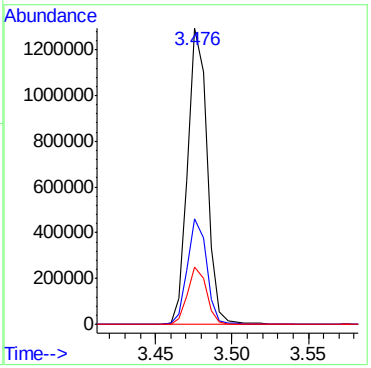


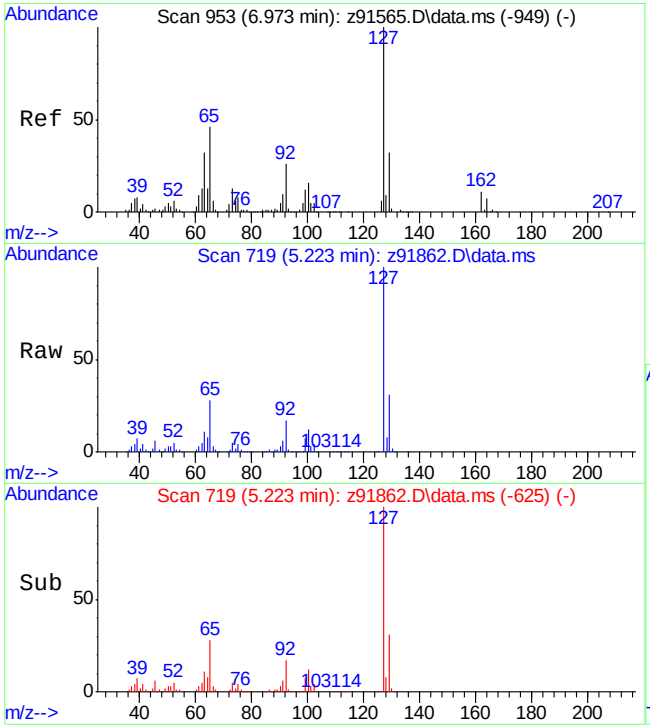


#10
Aniline
Concen: 54.22 ppb
RT: 3.476 min Scan# 392
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

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

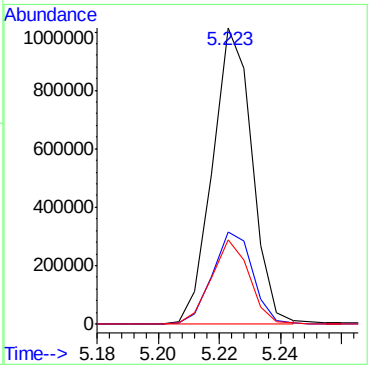




#39
4-Chloroaniline
Concen: 51.48 ppb
RT: 5.223 min Scan# 719
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

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

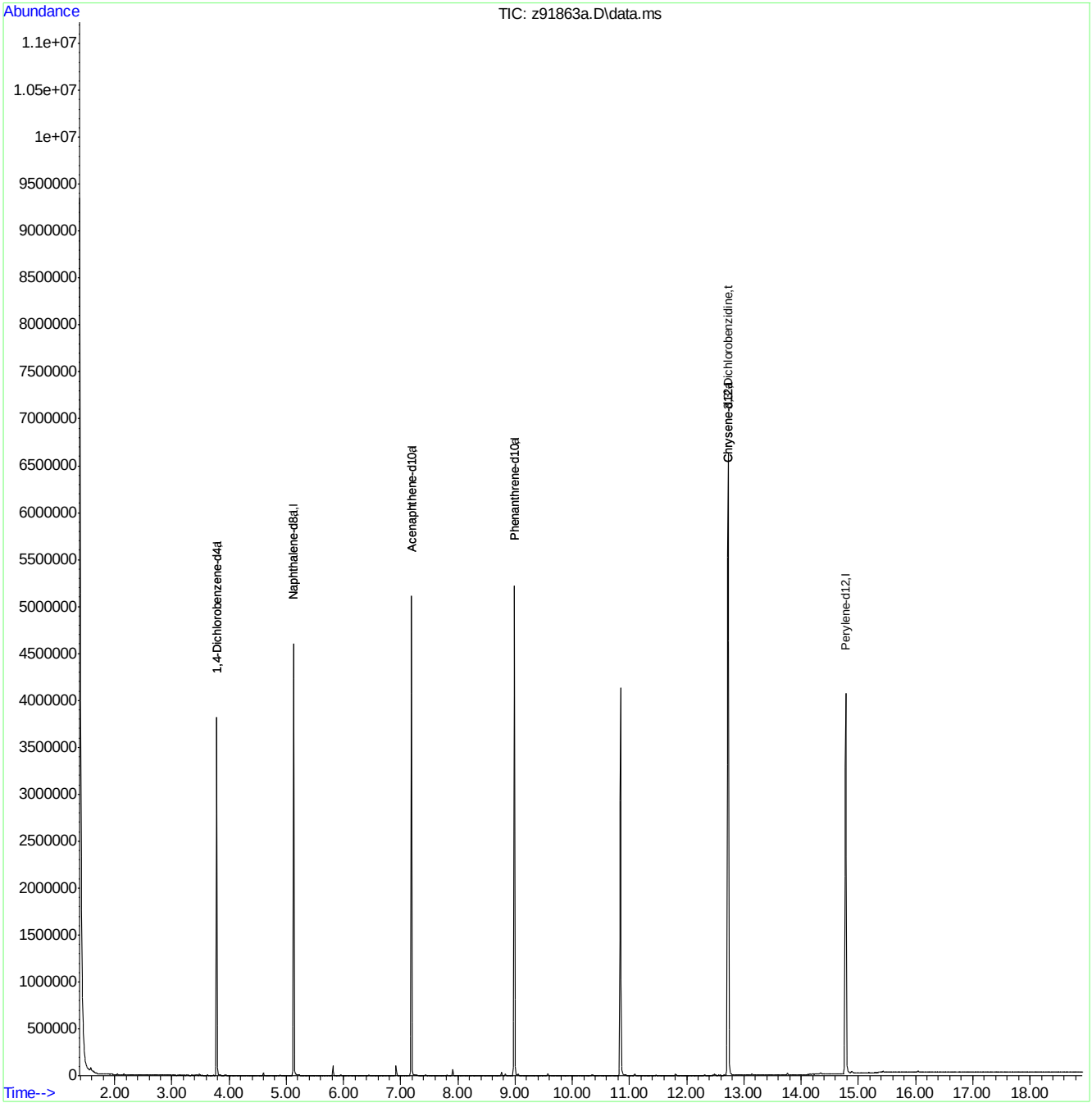
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	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

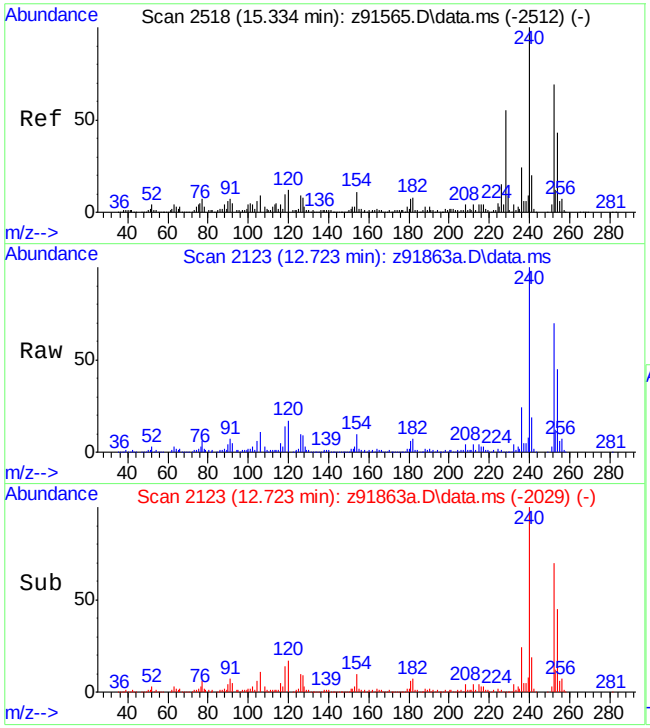
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

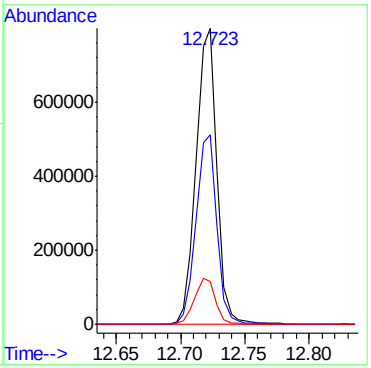




#89
3,3'-Dichlorobenzidine
Concen: 49.59 ppb
RT: 12.723 min Scan# 2123
Delta R.T. -0.000 min
Lab File: z91863a.D
Acq: 27 May 2014 4:34 pm

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

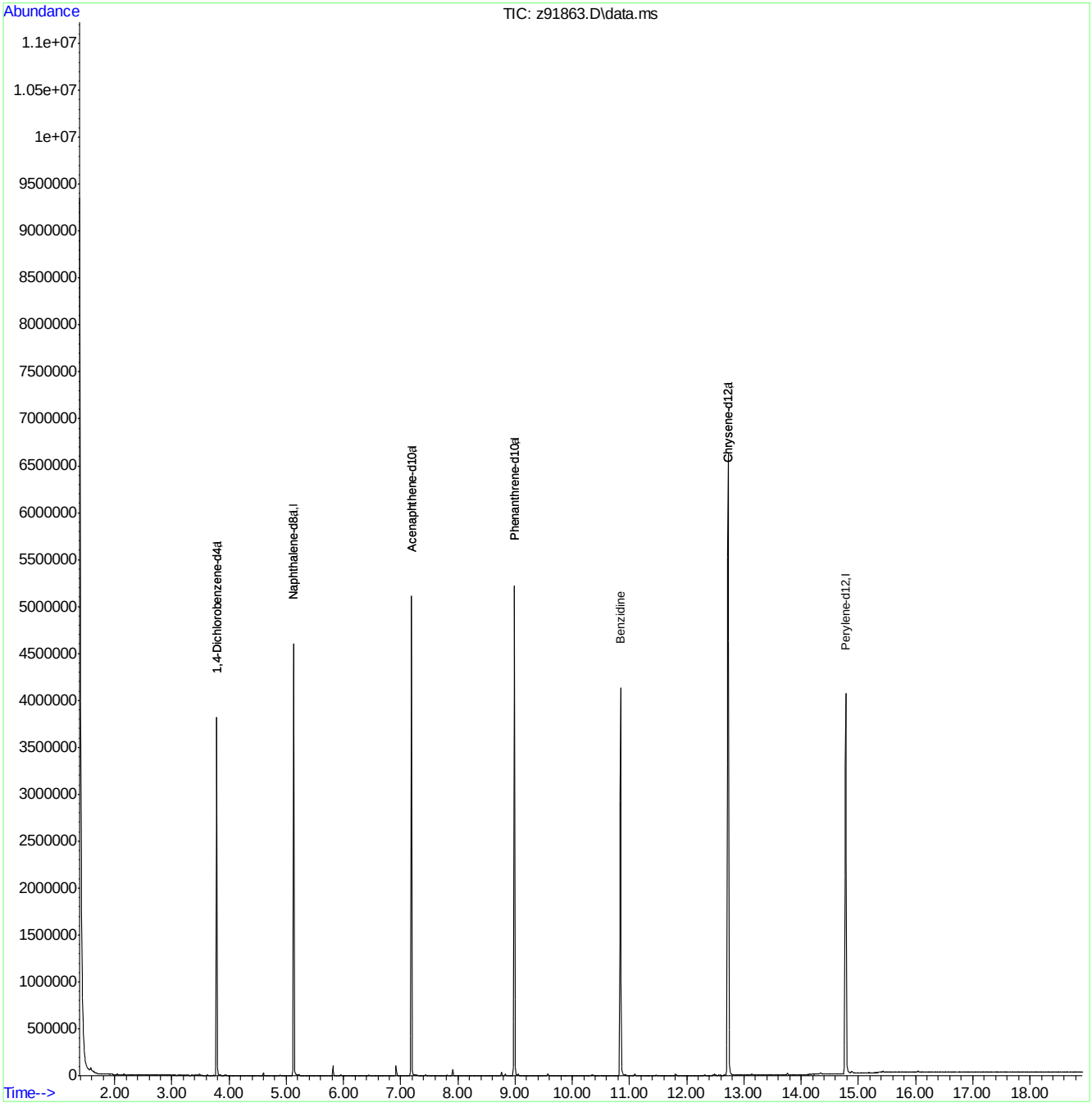
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	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

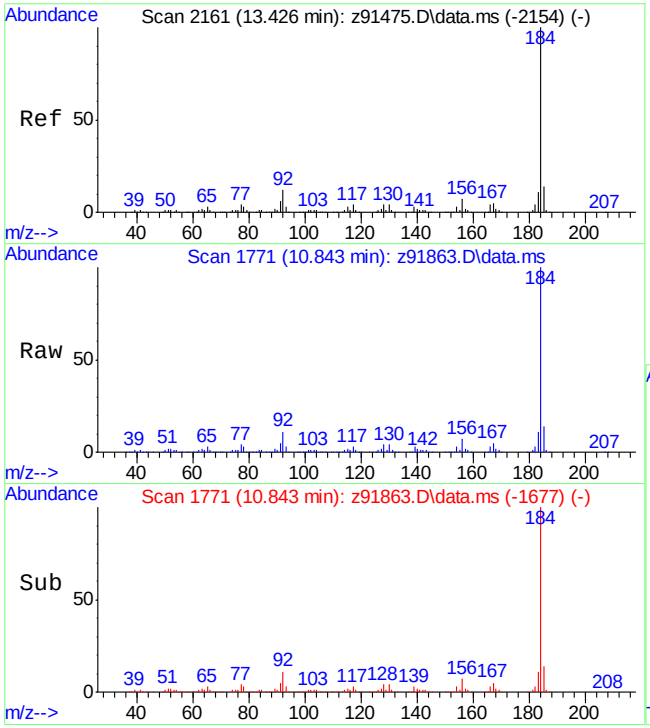
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

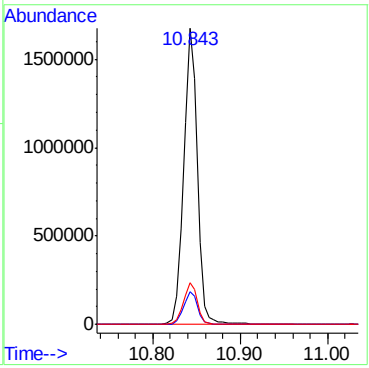




#108
Benzidine
Concen: 86.70 ppb
RT: 10.843 min Scan# 1771
Delta R.T. -0.000 min
Lab File: z91863.D
Acq: 27 May 2014 4:34 pm

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



9.6.56

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

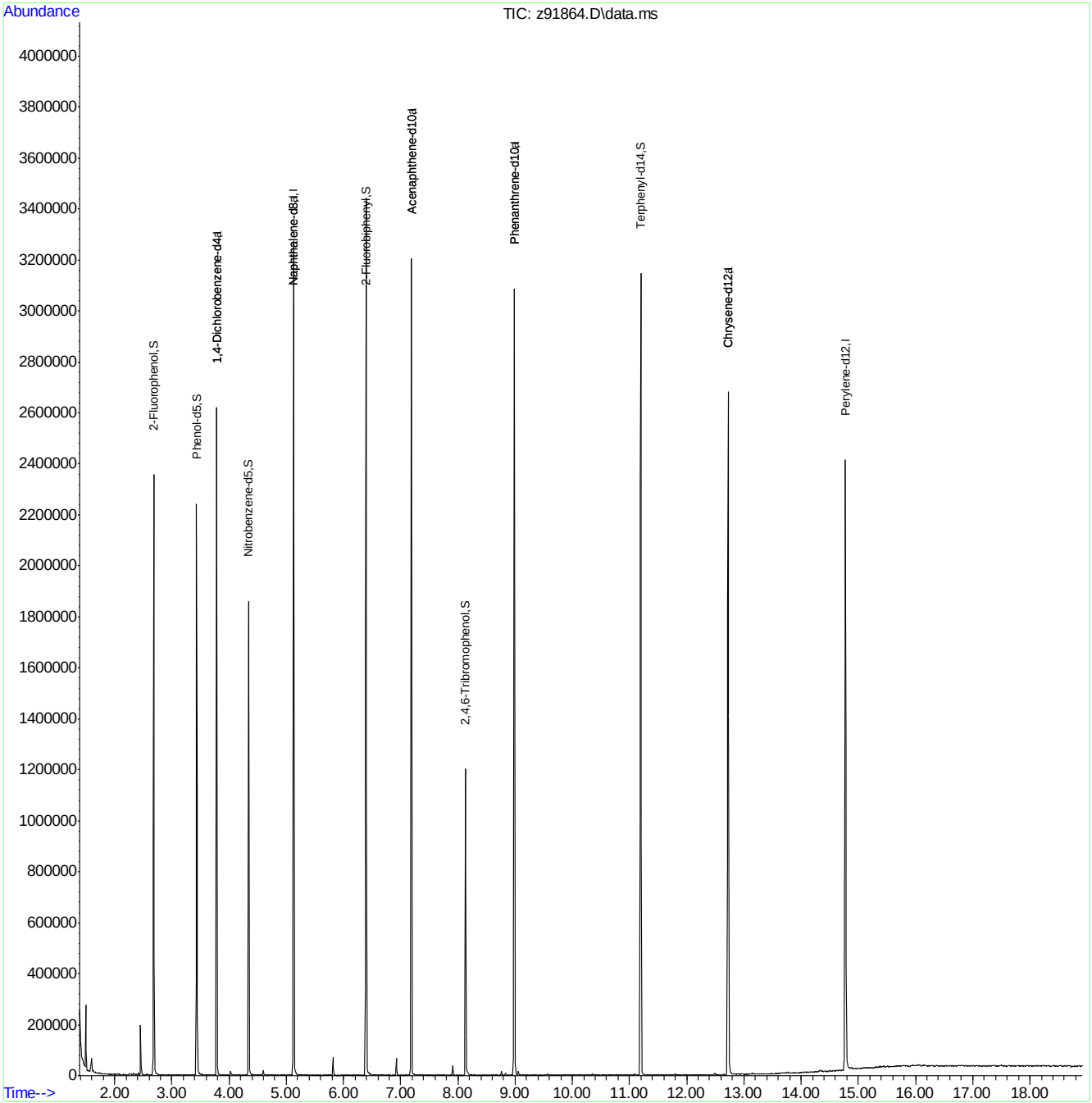
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	368875	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1430952	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	770103	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1246291	40.00	ppb	0.00
83) Chrysene-d12	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

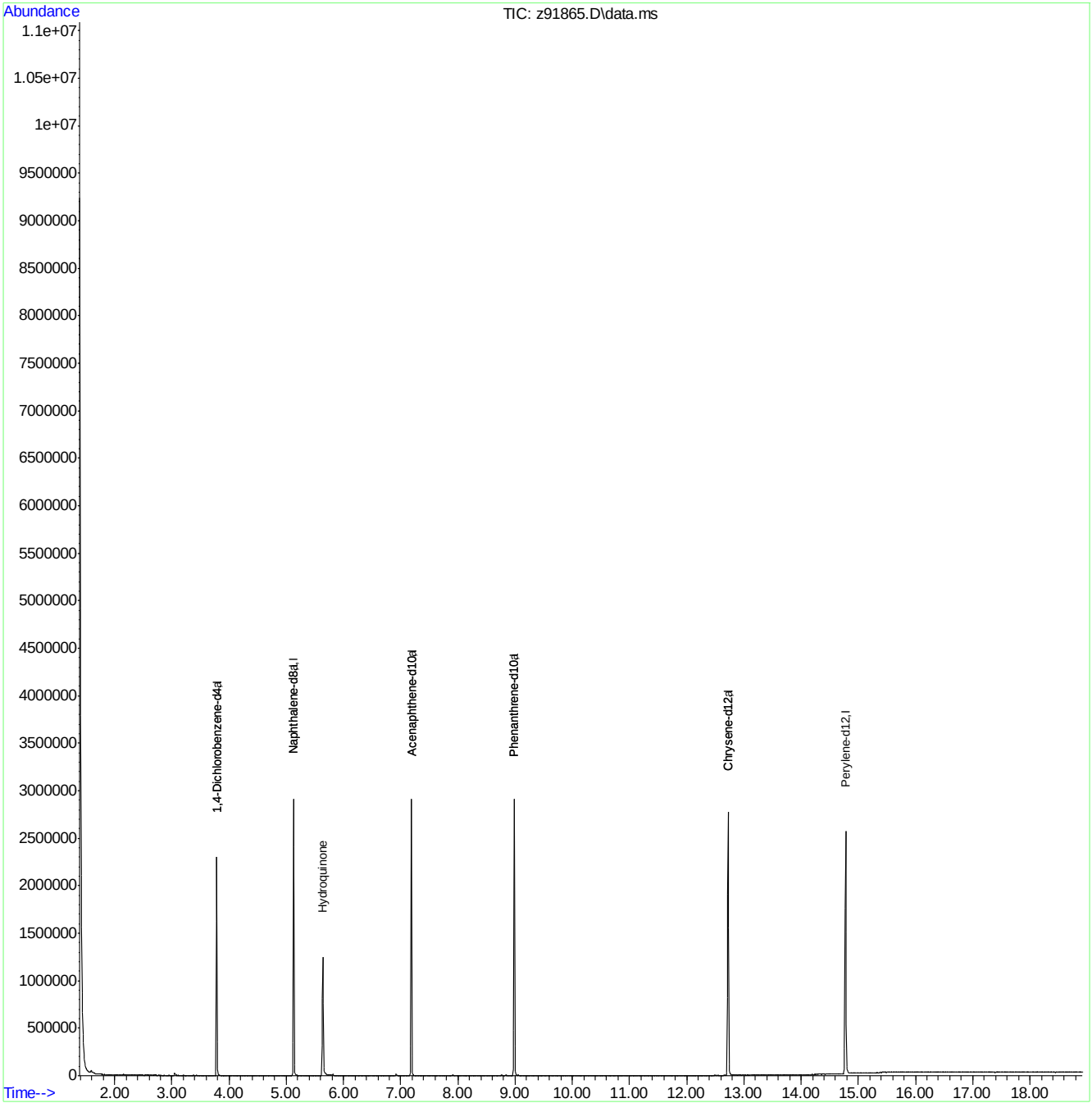
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	330274	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1293309	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	705500	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1211824	40.00	ppb	0.00
83) Chrysene-d12	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

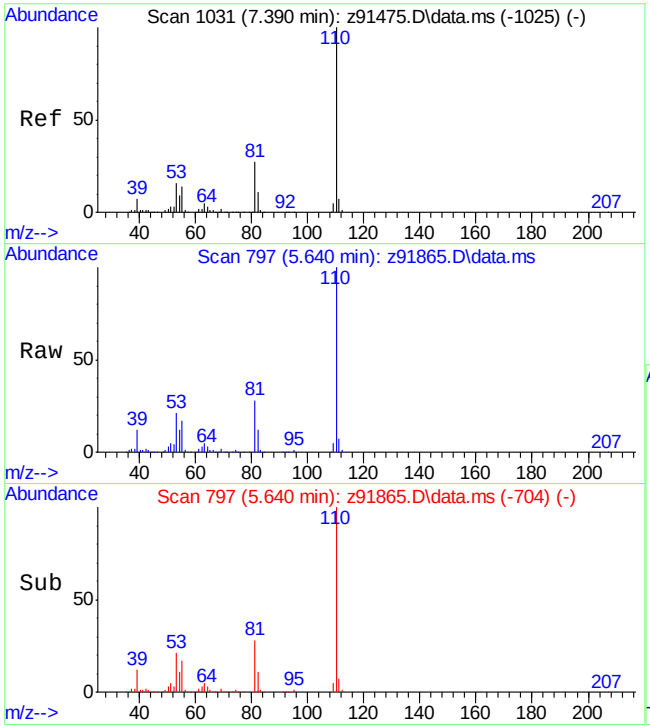
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

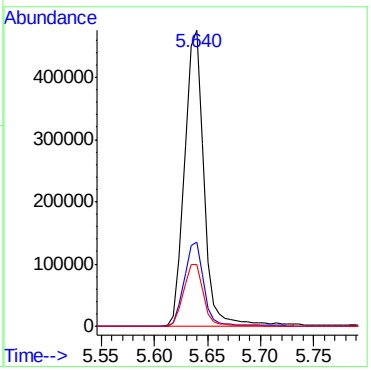




#113
Hydroquinone
Concen: 61.88 ppb
RT: 5.640 min Scan# 797
Delta R.T. -0.004 min
Lab File: z91865.D
Acq: 27 May 2014 5:25 pm

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



9.6.58

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.780	152	240460	40.00	ppb		0.00
24) Naphthalene-d8	5.121	136	941097	40.00	ppb		-0.01
47) Acenaphthene-d10	7.178	164	518716	40.00	ppb		-0.01
69) Phenanthrene-d10	8.978	188	880239	40.00	ppb		-0.01
83) Chrysene-d12	12.718	240	907095	40.00	ppb		-0.02
92) Perylene-d12	14.769	264	805740	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	3.780	152	240460	40.00	ppb		0.00
104) Phenanthrene-d10a	8.978	188	880239	40.00	ppb		-0.01
107) Chrysene-d12a	12.718	240	907095	40.00	ppb		-0.02
110) Acenaphthene-d10a	7.178	164	518716	40.00	ppb		-0.01
112) Naphthalene-d8a	5.121	136	941097	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	3.444	94	518537	44.64	ppb		89
12) 2-Chlorophenol	3.588	128	425856	45.99	ppb		98
19) 2-Methylphenol	4.026	108	371402	47.63	ppb		97
21) 3&4-Methylphenol	4.186	108	391950	46.83	ppb		100
29) 2-Nitrophenol	4.705	139	210728	49.09	ppb		84
30) 2,4-Dimethylphenol	4.758	107	395728	55.27	ppb		99
31) Benzoic Acid	4.886	105	182724	45.61	ppb	#	63
33) 2,4-Dichlorophenol	4.972	162	323644	49.30	ppb		99
34) 2,6-Dichlorophenol	5.228	162	317513	49.32	ppb		99
43) 4-Chloro-3-methylphenol	5.800	107	336540	48.25	ppb		96
49) 2,4,6-Trichlorophenol	6.291	196	227925	50.63	ppb		99
50) 2,4,5-Trichlorophenol	6.334	196	242382	50.76	ppb		99
60) 2,4-Dinitrophenol	7.269	184	86619	44.53	ppb		90
61) 4-Nitrophenol	7.386	109	101730	52.68	ppb	#	67
64) 2,3,4,6-Tetrachlorophenol	7.589	232	192903	49.90	ppb		97
70) 4,6-Dinitro-2-methylph...	7.915	198	132280	46.82	ppb		98
76) Pentachlorophenol	8.759	266	148873	54.30	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

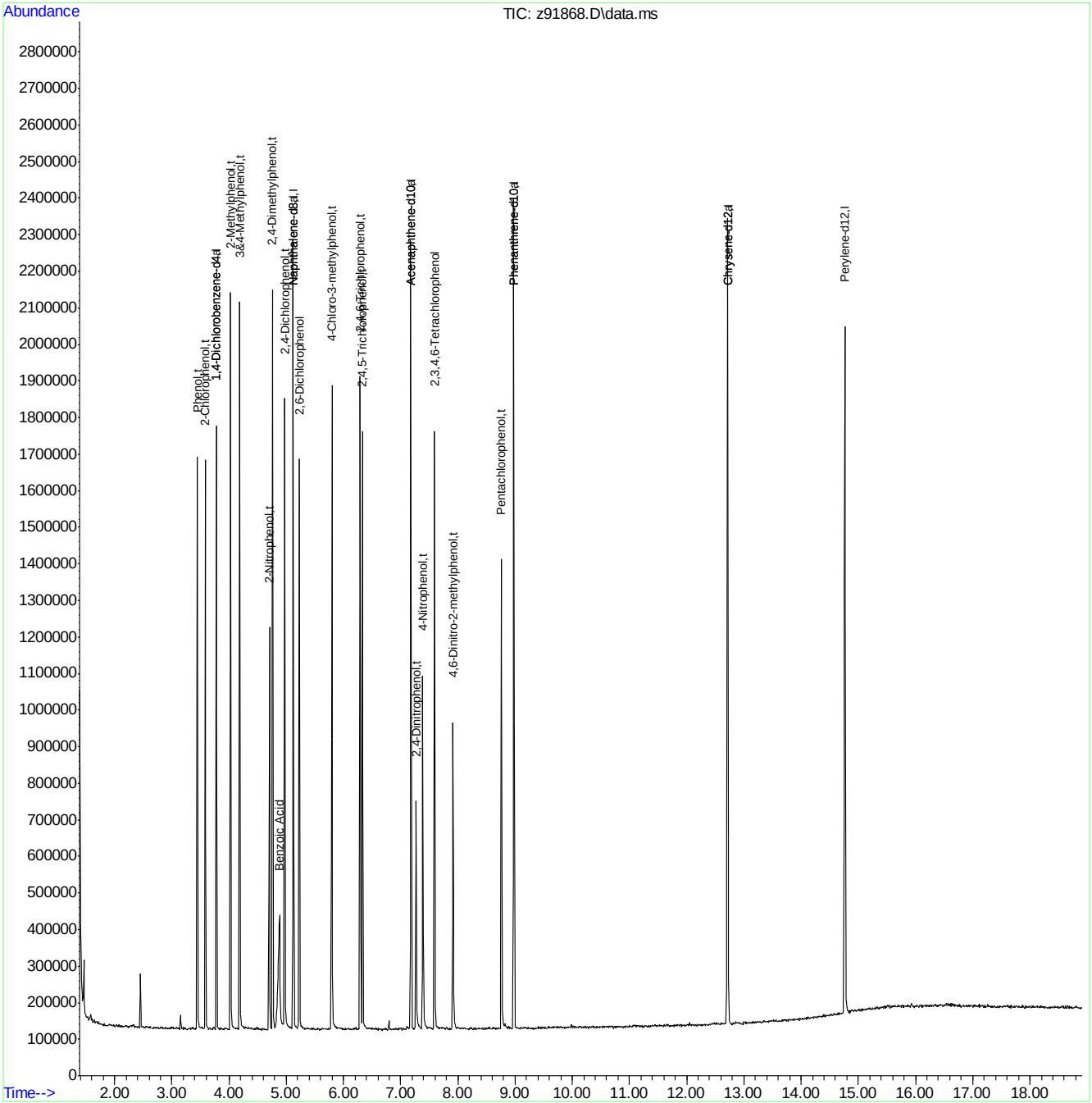
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

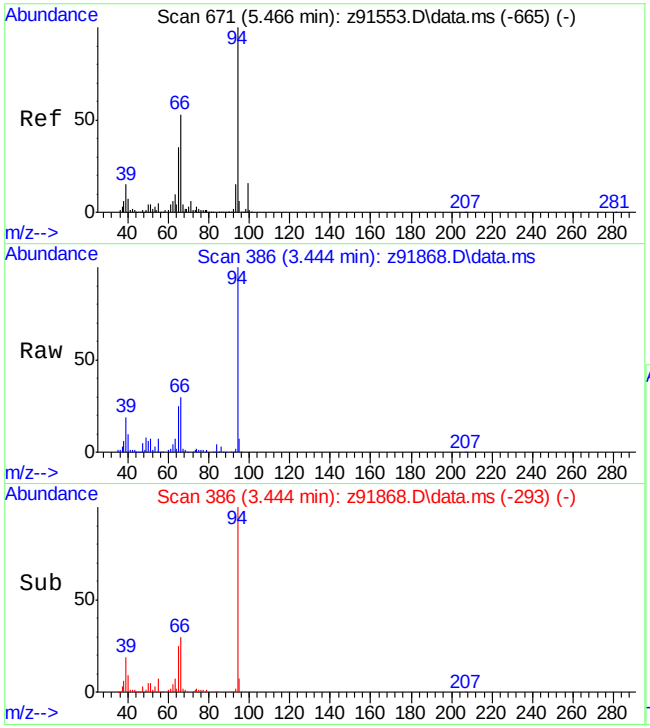
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

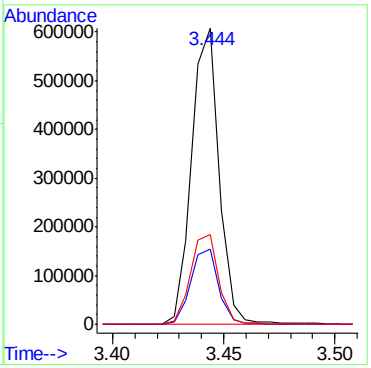


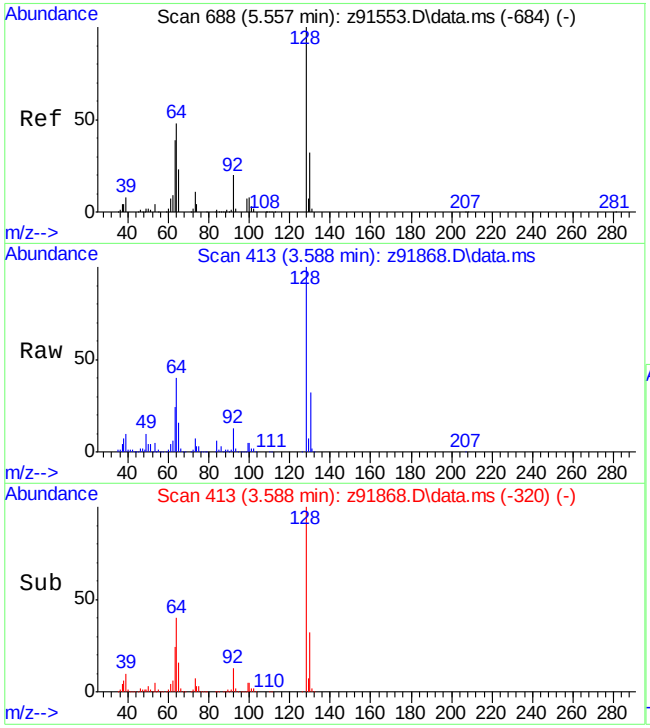


#9
Phenol
Concen: 44.64 ppb
RT: 3.444 min Scan# 386
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion: 94 Resp: 518537

Ion	Ratio	Lower	Upper
94	100		
65	25.2	0.0	51.5
66	30.2	0.0	53.3

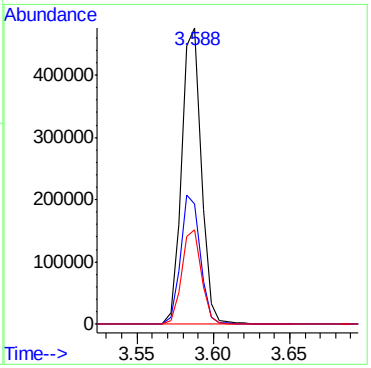


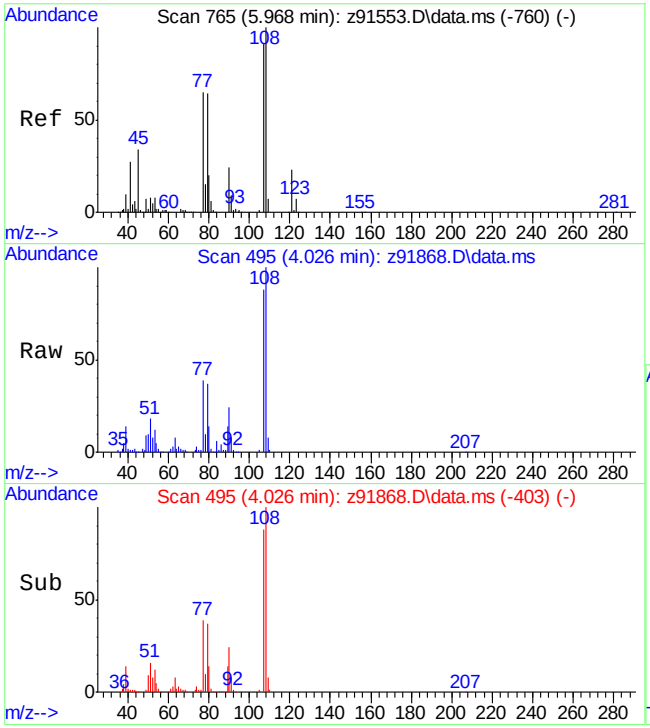


#12
2-Chlorophenol
Concen: 45.99 ppb
RT: 3.588 min Scan# 413
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:128 Resp: 425856

Ion	Ratio	Lower	Upper
128	100		
64	40.5	12.8	72.8
130	31.8	1.7	61.7

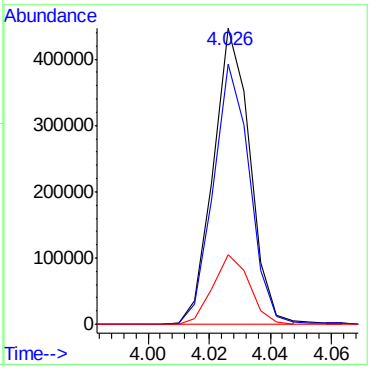


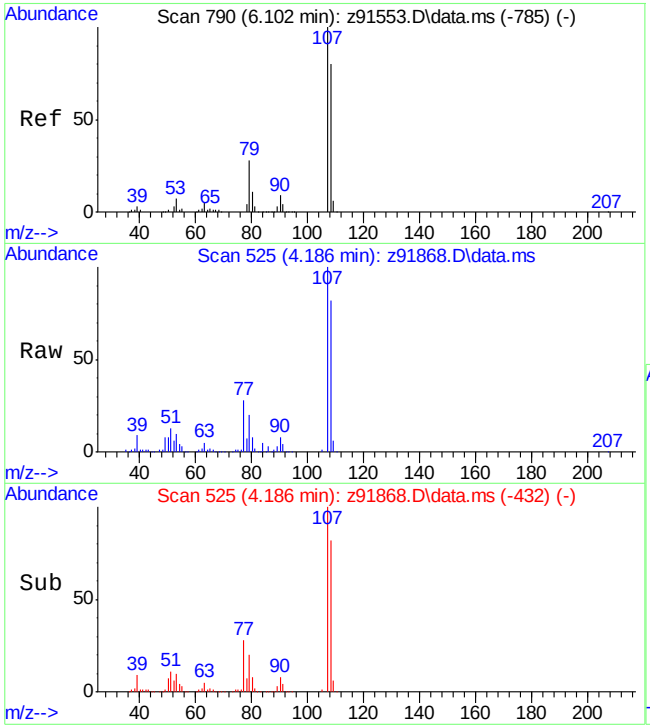


#19
2-Methylphenol
Concen: 47.63 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 371402

Ion	Ratio	Lower	Upper
108	100		
107	87.9	56.2	116.2
90	23.6	0.0	56.1

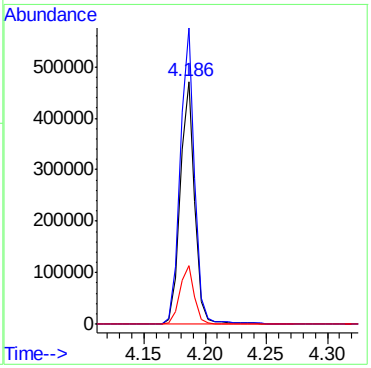


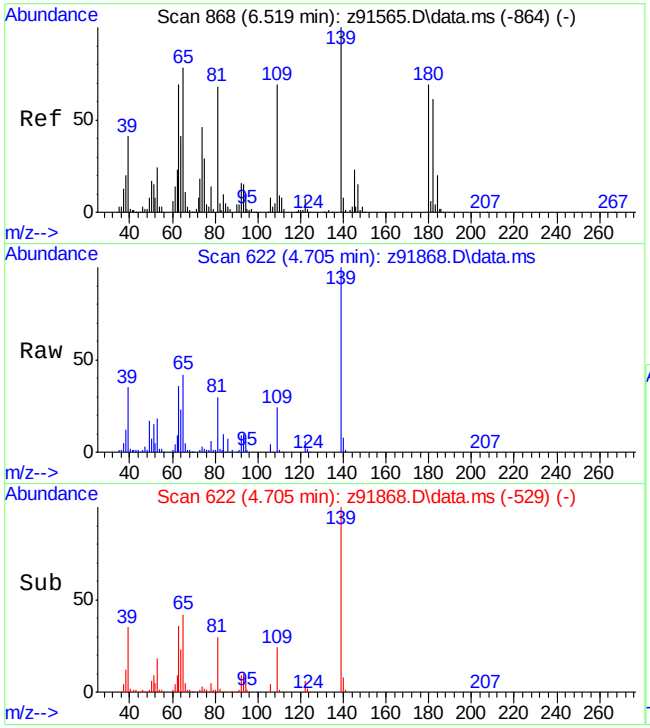


#21
3&4-Methylphenol
Concen: 46.83 ppb
RT: 4.186 min Scan# 525
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 391950

Ion	Ratio	Lower	Upper
108	100		
107	121.9	91.7	151.7
79	24.1	0.0	54.5

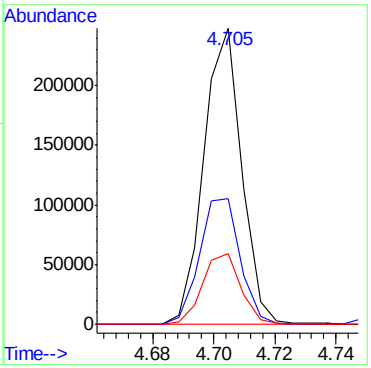


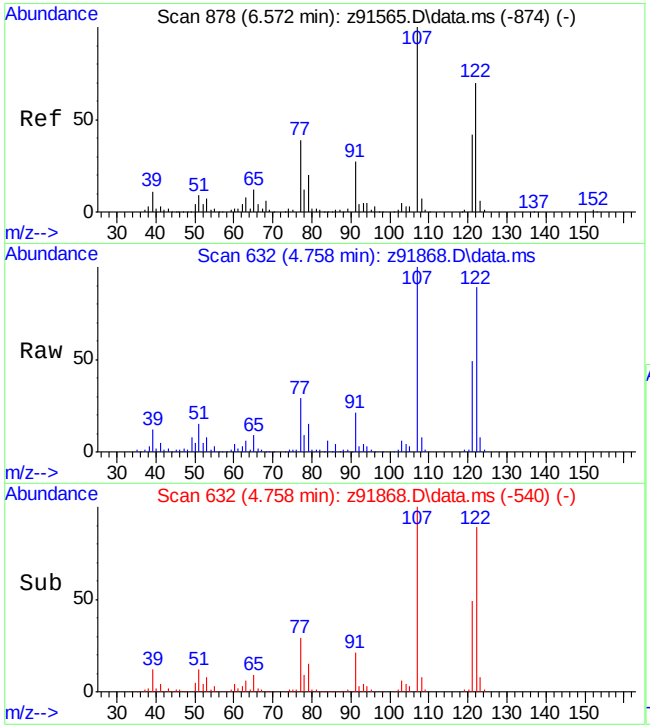


#29
2-Nitrophenol
Concen: 49.09 ppb
RT: 4.705 min Scan# 622
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:139 Resp: 210728

Ion	Ratio	Lower	Upper
139	100		
65	42.4	10.4	70.4
109	24.0	11.9	71.9

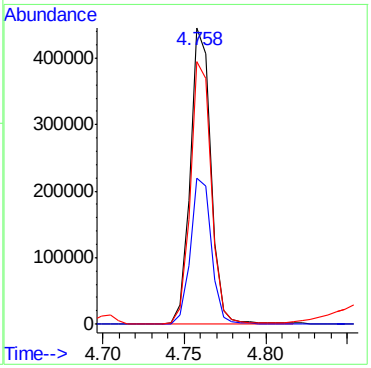


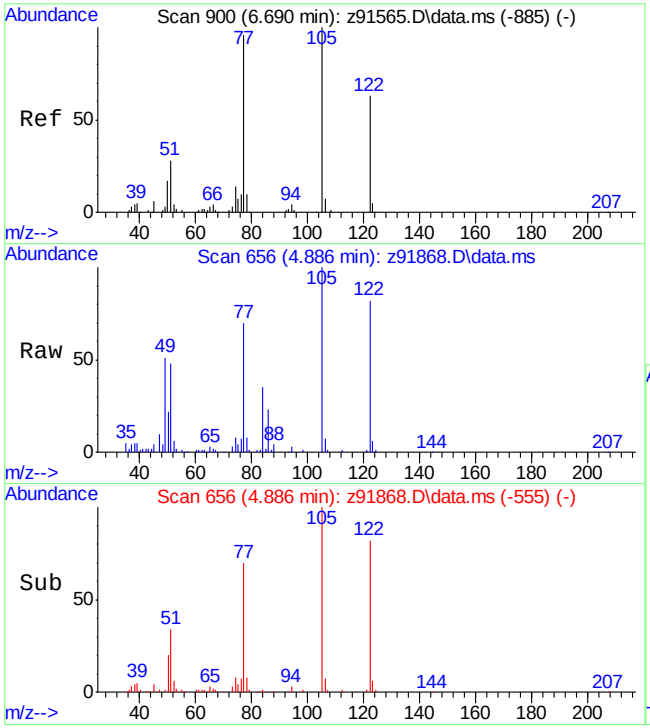


#30
2,4-Dimethylphenol
Concen: 55.27 ppb
RT: 4.758 min Scan# 632
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 395728

Ion	Ratio	Lower	Upper
107	100		
121	49.3	20.1	80.1
122	88.6	60.1	120.1

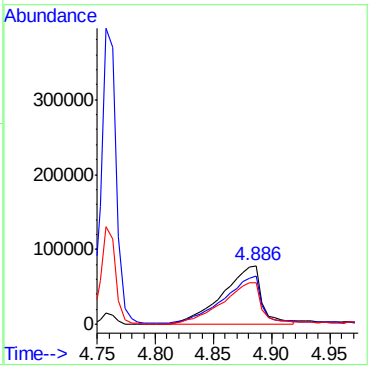


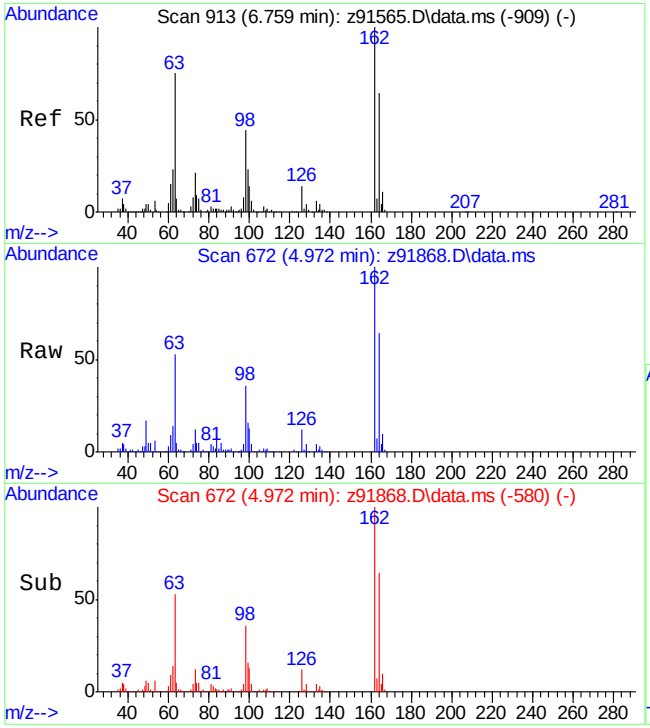


#31
Benzoic Acid
Concen: 45.61 ppb
RT: 4.886 min Scan# 656
Delta R.T. 0.037 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:105 Resp: 182724

Ion	Ratio	Lower	Upper
105	100		
122	78.5	86.2	126.2#
77	73.5	13.9	53.9#

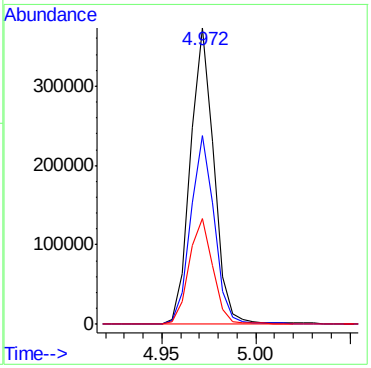


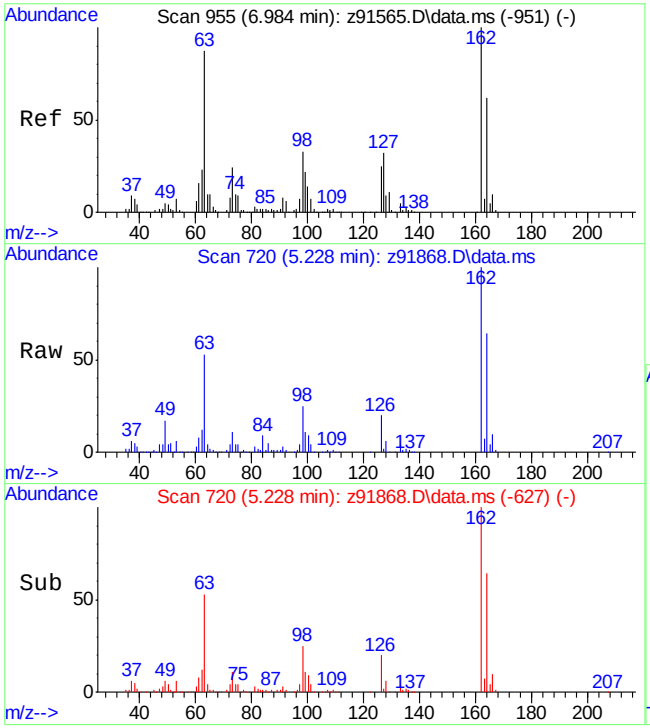


#33
2,4-Dichlorophenol
Concen: 49.30 ppb
RT: 4.972 min Scan# 672
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 323644

Ion	Ratio	Lower	Upper
162	100		
164	63.5	33.9	93.9
98	35.8	7.5	67.5

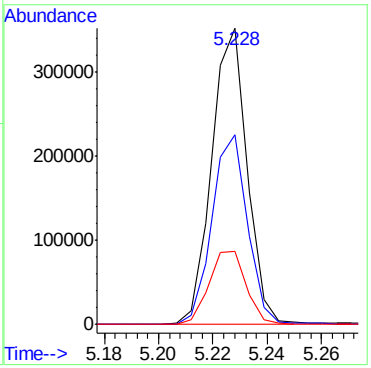


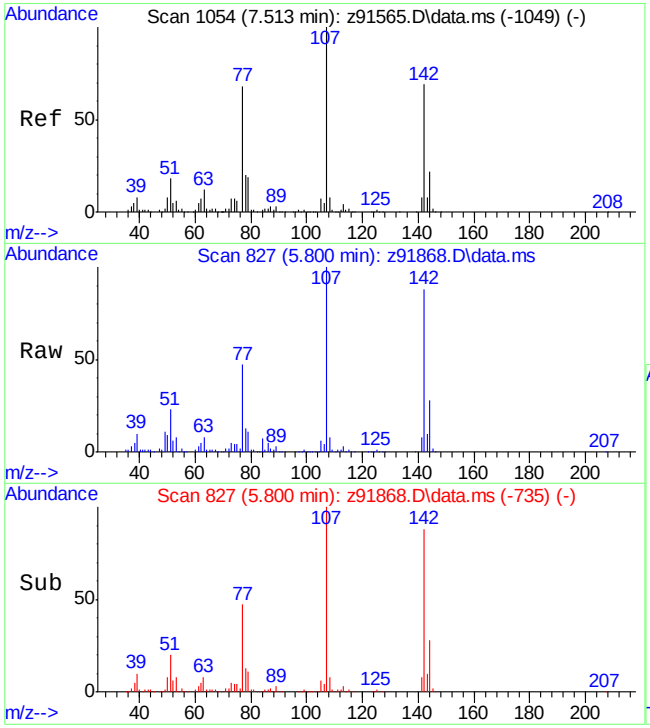


#34
2,6-Dichlorophenol
Concen: 49.32 ppb
RT: 5.228 min Scan# 720
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 317513

Ion	Ratio	Lower	Upper
162	100		
164	64.3	34.1	94.1
98	26.1	0.0	56.7

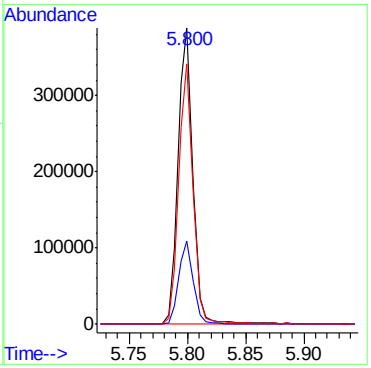


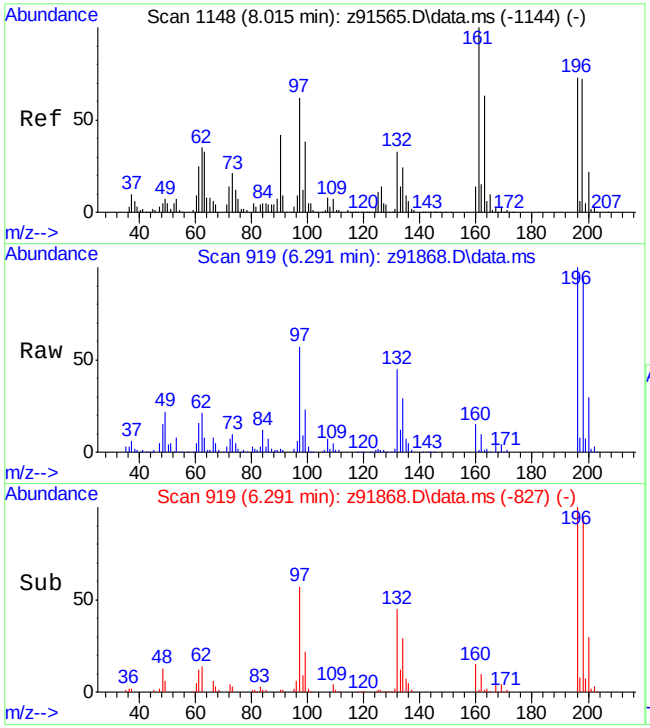


#43
4-Chloro-3-methylphenol
Concen: 48.25 ppb
RT: 5.800 min Scan# 827
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 336540

Ion	Ratio	Lower	Upper
107	100		
144	28.2	0.0	56.5
142	88.1	53.7	113.7

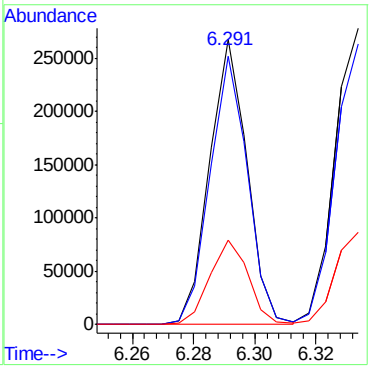


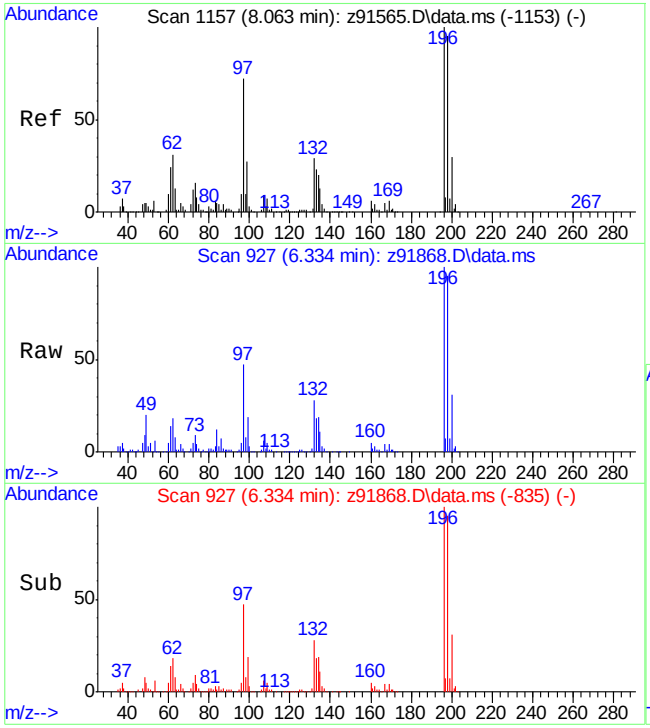


#49
2,4,6-Trichlorophenol
Concen: 50.63 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:196 Resp: 227925

Ion	Ratio	Lower	Upper
196	100		
198	94.0	63.0	123.0
200	29.7	0.0	59.7

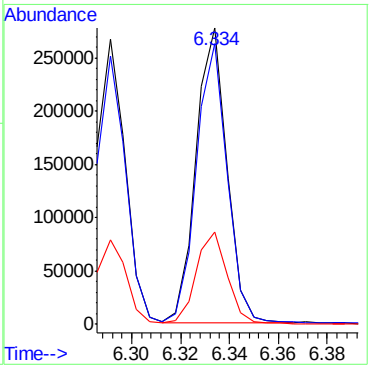




#50
2,4,5-Trichlorophenol
Concen: 50.76 ppb
RT: 6.334 min Scan# 927
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

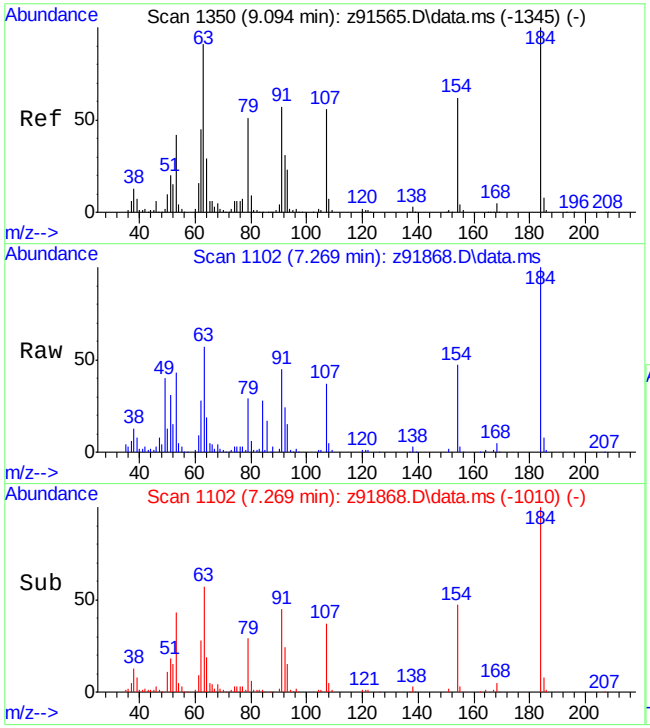
Tgt Ion:196 Resp: 242382

Ion	Ratio	Lower	Upper
196	100		
198	94.8	63.9	123.9
200	31.1	0.0	59.8



9.6.59

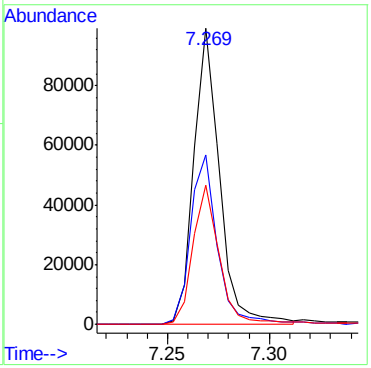
6

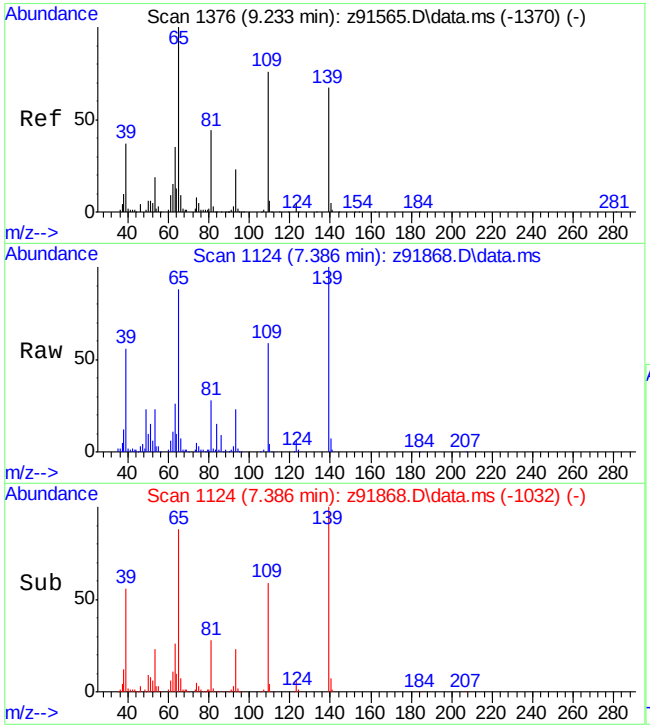


#60
2,4-Dinitrophenol
Concen: 44.53 ppb
RT: 7.269 min Scan# 1102
Delta R.T. -0.010 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

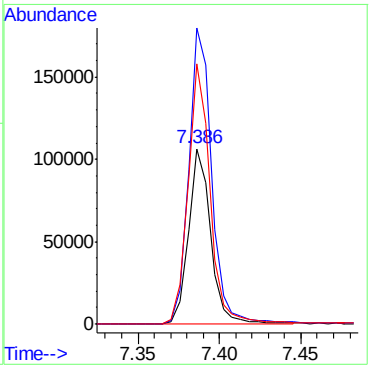


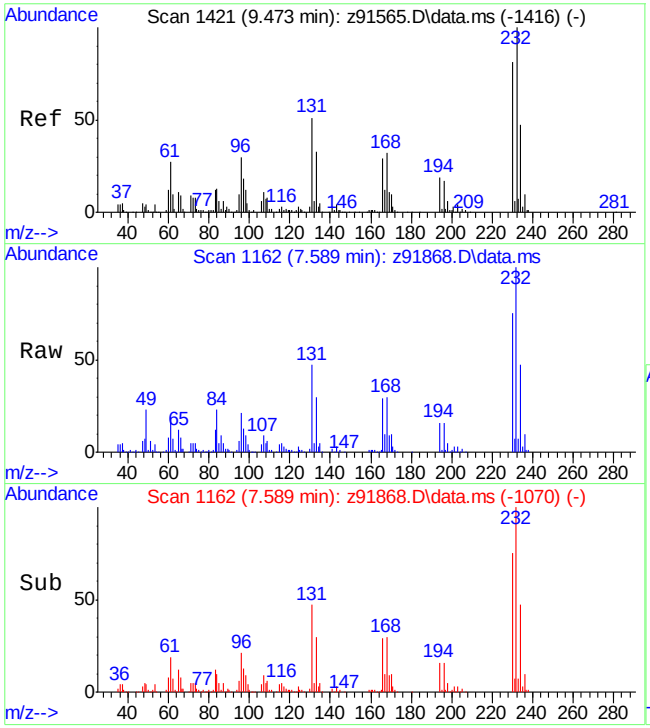


#61
4-Nitrophenol
Concen: 52.68 ppb
RT: 7.386 min Scan# 1124
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

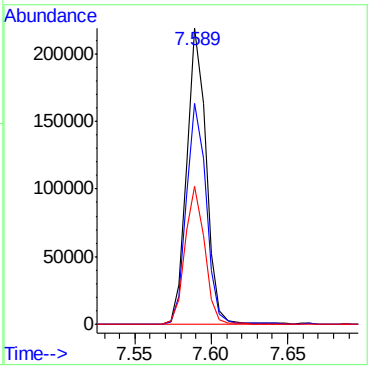


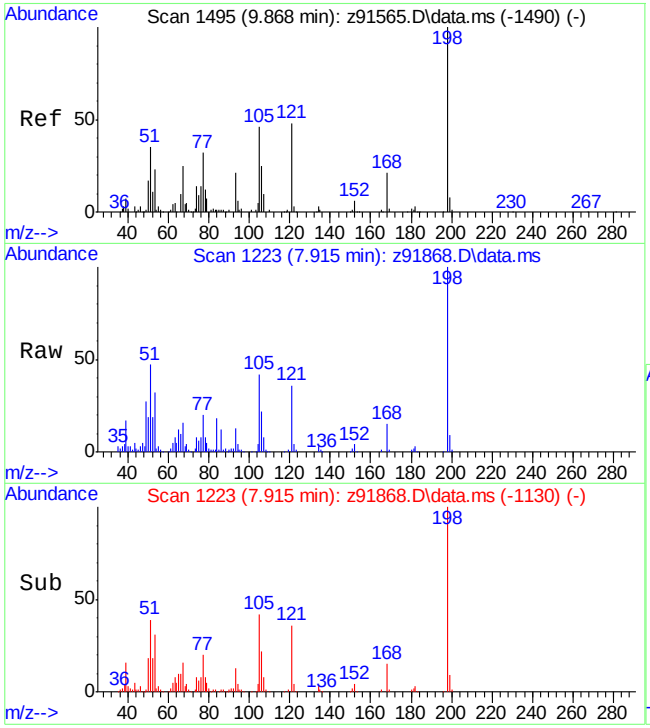


#64
2,3,4,6-Tetrachlorophenol
Concen: 49.90 ppb
RT: 7.589 min Scan# 1162
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

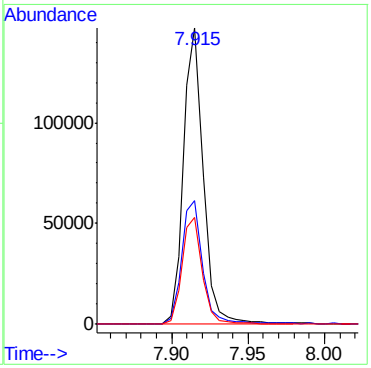


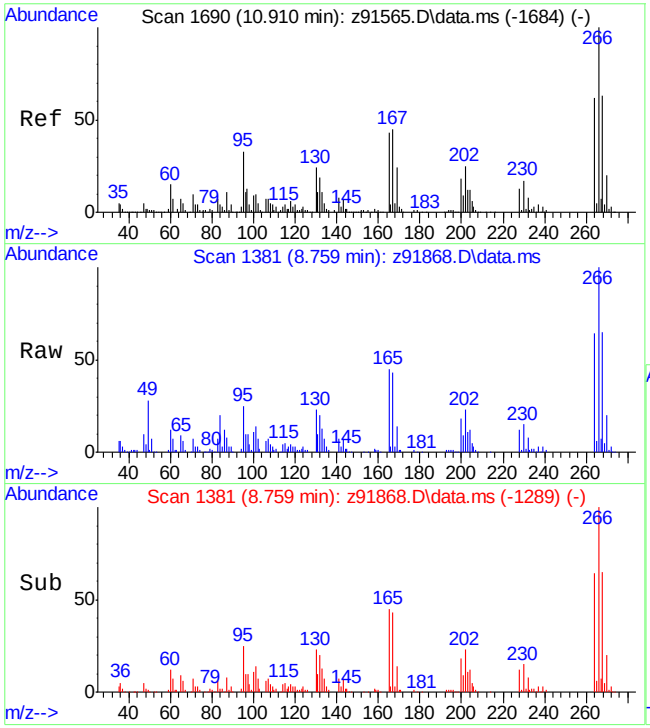


#70
4,6-Dinitro-2-methylphenol
Concen: 46.82 ppb
RT: 7.915 min Scan# 1223
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

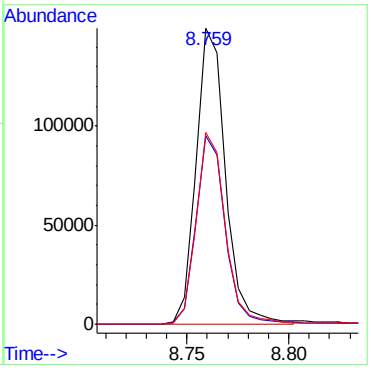




#76
Pentachlorophenol
Concen: 54.30 ppb
RT: 8.759 min Scan# 1381
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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



9.6.59

6

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 08:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92314.D
Acq On : 9 Jun 2014 10:24 pm
Operator : ashleyd
Sample : cc4569-50
Misc : op73791,ez4590
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:53:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.609	152	393912	40.00	ppb	-0.03
24) Naphthalene-d8	4.945	136	1542084	40.00	ppb	-0.03
47) Acenaphthene-d10	6.996	164	857430	40.00	ppb	-0.03
69) Phenanthrene-d10	8.791	188	1468326	40.00	ppb	-0.03
83) Chrysene-d12	12.510	240	1428661	40.00	ppb	-0.03
92) Perylene-d12	14.550	264	1319095	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.609	152	393912	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.791	188	1468326	40.00	ppb	-0.03
106) Chrysene-d12a	12.510	240	1428661	40.00	ppb	-0.03
108) Acenaphthene-d10a	6.996	164	857430	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.546	112	668106	49.63	ppb	-0.02
Spiked Amount 50.000			Recovery = 99.26%			
8) Phenol-d5	3.310	99	807599	47.63	ppb	-0.01
Spiked Amount 50.000			Recovery = 95.26%			
25) Nitrobenzene-d5	4.170	82	744413	54.78	ppb	-0.03
Spiked Amount 50.000			Recovery = 109.56%			
51) 2-Fluorobiphenyl	6.211	172	1307368	48.10	ppb	-0.03
Spiked Amount 50.000			Recovery = 96.20%			
73) 2,4,6-Tribromophenol	7.958	330	220613	61.49	ppb	-0.03
Spiked Amount 50.000			Recovery = 122.98%			
86) Terphenyl-d14	10.976	244	1534863	53.42	ppb	-0.04
Spiked Amount 50.000			Recovery = 106.84%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.611	88	269152	39.90	ppb	95
3) Pyridine	1.777	79	724500	41.46	ppb	92
4) N-Nitrosodimethylamine	1.750	74	426009	45.10	ppb	80
6) Indene	3.861	116	1194083	44.77	ppb	100
7) Cumene	2.910	105	1706300	45.22	ppb	99
9) Phenol	3.321	94	928041	48.77	ppb	64
10) Aniline	3.310	93	818171	39.57	ppb	79
11) bis(2-Chloroethyl)ether	3.353	93	631724	47.37	ppb	98
12) 2-Chlorophenol	3.433	128	729814	48.11	ppb	99
13) Decane	3.449	43	770366	42.70	ppb	95
14) 1,3-Dichlorobenzene	3.556	146	786405	48.14	ppb	97
15) 1,4-Dichlorobenzene	3.625	146	798032	47.69	ppb	98
16) Benzyl alcohol	3.759	108	463952	50.78	ppb	89
17) 1,2-Dichlorobenzene	3.775	146	740454	47.21	ppb	97
18) Acetophenone	4.010	105	970281	44.49	ppb	97
19) 2-Methylphenol	3.893	108	625183	48.95	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.877	121	210230	47.72	ppb	89
21) 3&4-Methylphenol	4.053	108	680242	49.61	ppb	99
22) n-Nitroso-di-n-propyla...	4.021	70	488936	50.87	ppb	95
23) Hexachloroethane	4.117	201	264548	51.14	ppb	93
26) Nitrobenzene	4.192	77	782777	52.11	ppb	93
27) Quinoline	5.362	129	1431810	46.35	ppb	99
28) Isophorone	4.443	82	1299299	52.36	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92314.D
Acq On : 9 Jun 2014 10:24 pm
Operator : ashleyd
Sample : cc4569-50
Misc : op73791,ez4590
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:53:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.534	139	389829	55.42	ppb		87
30) 2,4-Dimethylphenol	4.614	107	673769	57.43	ppb		94
31) Benzoic Acid	4.801	105	449526	68.48	ppb	#	64
32) bis(2-Chloroethoxy)met...	4.689	93	731197	48.47	ppb		99
33) 2,4-Dichlorophenol	4.822	162	563266	52.37	ppb		98
34) 2,6-Dichlorophenol	5.063	162	534100	50.63	ppb		99
35) 1,3,5-Trichlorobenzene	4.539	180	661524	44.11	ppb		98
36) 1,2,4-Trichlorobenzene	4.886	180	632169	49.35	ppb		98
37) 1,2,3-Trichlorobenzene	5.137	180	628976	44.35	ppb		99
38) Naphthalene	4.972	128	2026427	47.11	ppb		100
39) 4-Chloroaniline	5.057	127	792134	46.70	ppb		98
40) 2,3-Dichloroaniline	6.115	161	686156	46.60	ppb		98
41) Caprolactam	5.469	55	370755	51.74	ppb		96
42) Hexachlorobutadiene	5.121	225	360648	52.09	ppb		99
43) 4-Chloro-3-methylphenol	5.677	107	640800	56.07	ppb		100
44) 2-Methylnaphthalene	5.768	141	1158057	49.56	ppb		97
45) 1-Methylnaphthalene	5.880	141	1153469	44.81	ppb		97
46) Dimethylnaphthalene	6.510	156	1198847	45.97	ppb		98
48) Hexachlorocyclopentadiene	5.960	237	738761	108.99	ppb		99
49) 2,4,6-Trichlorophenol	6.131	196	406114	54.58	ppb		98
50) 2,4,5-Trichlorophenol	6.190	196	433397	54.91	ppb		100
52) 2-Chloronaphthalene	6.339	162	1245890	48.85	ppb		97
53) Biphenyl	6.329	154	1616367	44.57	ppb		99
54) 2-Nitroaniline	6.494	65	449168	64.21	ppb		92
55) Dimethylphthalate	6.713	163	1372473	50.39	ppb		99
56) Acenaphthylene	6.825	152	2026772	50.58	ppb		100
57) 2,6-Dinitrotoluene	6.783	165	334220	59.87	ppb		98
58) 3-Nitroaniline	6.991	138	384174	54.46	ppb		90
59) Acenaphthene	7.039	153	1218502	48.06	ppb		99
60) 2,4-Dinitrophenol	7.114	184	383836	100.80	ppb		82
61) 4-Nitrophenol	7.285	109	224364m	70.28	ppb		
62) Dibenzofuran	7.248	168	1729723	49.18	ppb		83
63) 2,4-Dinitrotoluene	7.264	165	467265	61.32	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.424	232	354409	55.46	ppb		96
65) Diethylphthalate	7.563	149	1449085	54.65	ppb		98
66) Fluorene	7.659	166	1382045	50.24	ppb		99
67) 4-Chlorophenyl-phenyle...	7.670	204	634209	49.27	ppb		90
68) 4-Nitroaniline	7.739	138	399515	56.50	ppb		89
70) 4,6-Dinitro-2-methylph...	7.760	198	263155	55.84	ppb		96
71) n-Nitrosodiphenylamine	7.830	169	949972	51.07	ppb		99
72) 1,2-Diphenylhydrazine	7.862	77	1535353	53.07	ppb		93
74) 4-Bromophenyl-phenylether	8.257	248	385646	51.15	ppb		93
75) Hexachlorobenzene	8.327	284	462436	51.41	ppb		99
76) Pentachlorophenol	8.594	266	525227	114.84	ppb		99
77) Phenanthrene	8.823	178	2070541	48.48	ppb		99
78) Anthracene	8.882	178	2084865	50.36	ppb		100
79) Carbazole	9.117	167	1951141	45.51	ppb		99
80) Di-n-butylphthalate	9.609	149	2430764	57.71	ppb		100
81) Fluoranthene	10.399	202	2176344	52.34	ppb		94
82) Octadecane	8.717	57	999287	49.56	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92314.D
Acq On : 9 Jun 2014 10:24 pm
Operator : ashleyd
Sample : cc4569-50
Misc : op73791,ez4590
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:53:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

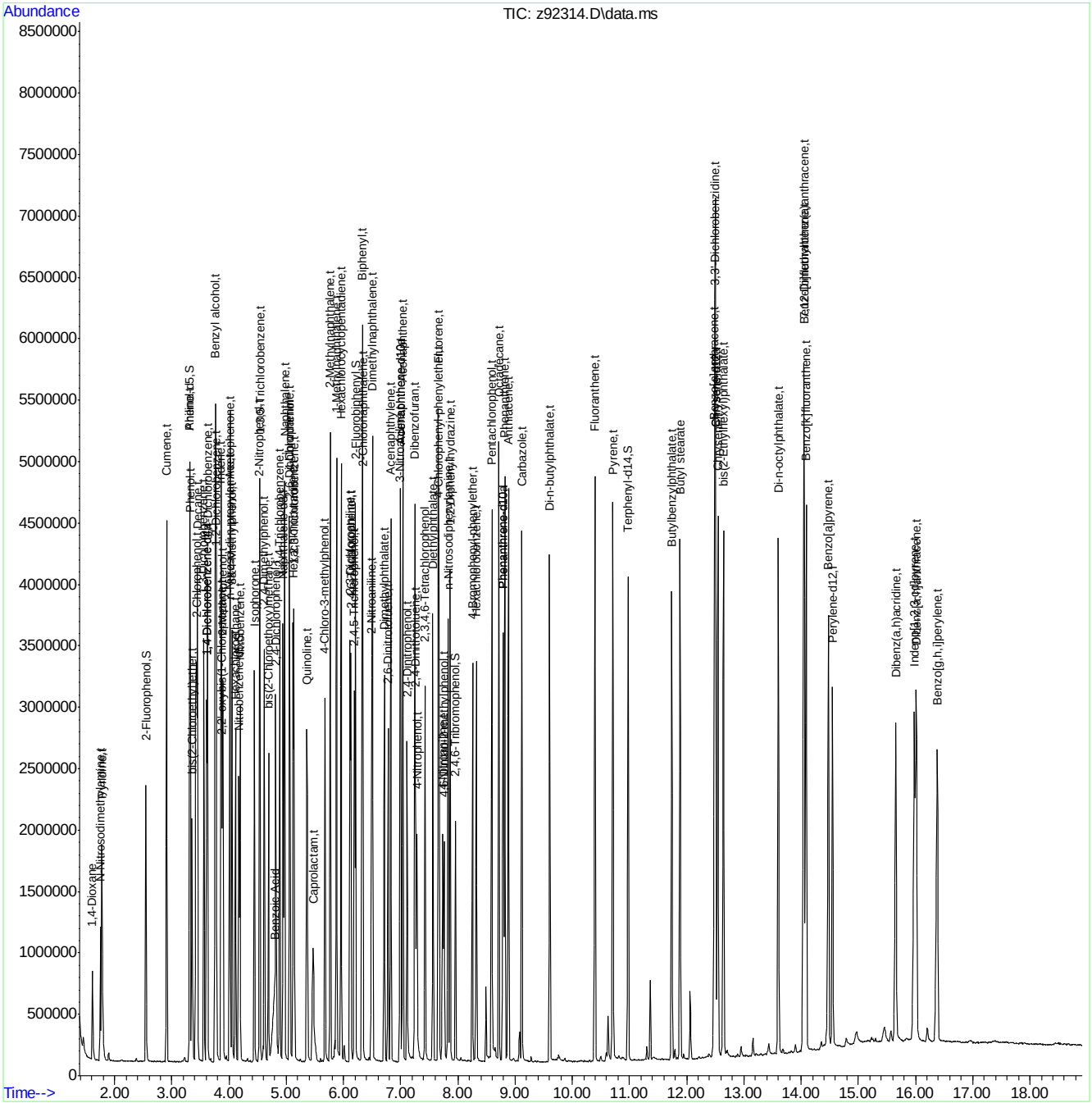
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.715	202	2258601	51.85	ppb	95
85) Butyl stearate	11.885	56	731115	62.17	ppb	97
87) Butylbenzylphthalate	11.740	149	1086879	61.87	ppb	97
88) Benzo[a]anthracene	12.488	228	2086751	53.11	ppb	100
89) 3,3'-Dichlorobenzidine	12.499	252	775349	60.03	ppb	99
90) Chrysene	12.547	228	1901438	48.75	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.643	149	1504367	63.05	ppb	98
93) Di-n-octylphthalate	13.599	149	2609622	57.86	ppb	98
94) Benzo[b]fluoranthene	14.054	252	2163270	55.03	ppb	97
95) Benzo[k]fluoranthene	14.091	252	1949169	48.00	ppb	96
96) Benzo[a]pyrene	14.476	252	1842100	52.75	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.982	276	1935774	57.47	ppb	93
98) Dibenz(a,h)acridine	15.656	279	1669678	50.91	ppb	99
99) Dibenz[a,h]anthracene	16.014	278	1887072	53.12	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.048	256	955761	62.43	ppb	100
101) Benzo[g,h,i]perylene	16.383	276	1813404	51.68	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92314.D
Acq On : 9 Jun 2014 10:24 pm
Operator : ashleyd
Sample : cc4569-50
Misc : op73791,ez4590
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:53:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



Manual Integration Approval Summary

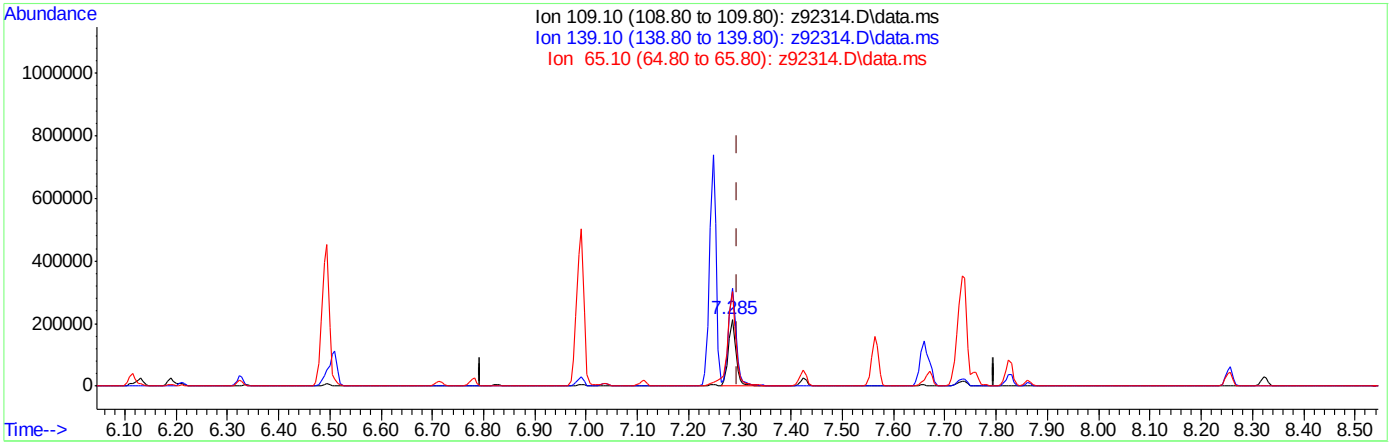
Sample Number:	EZ4590-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92314.D	**Analyst approved:**	06/11/14 16:12 Owen McKenna
Injection Time:	06/09/14 22:24	**Supervisor approved:**	06/16/14 08:17 Nina Pandya

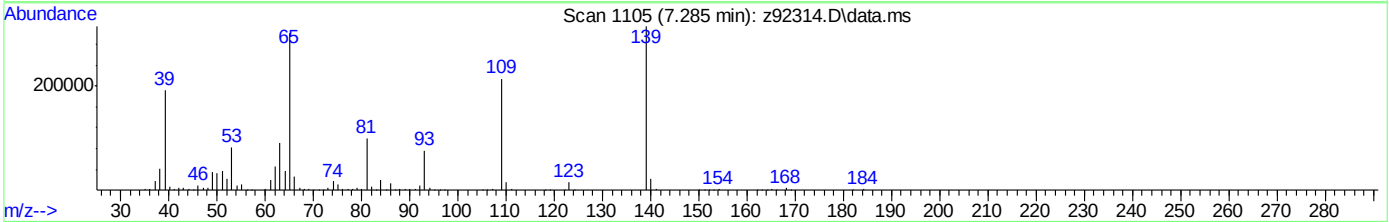
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Nitrophenol	100-02-7		7.28	Poorly defined baseline

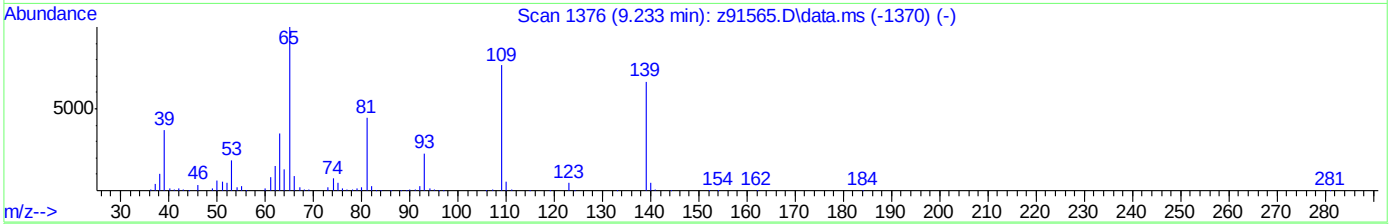
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92314.D
Acq On : 9 Jun 2014 10:24 pm
Operator : ashleyd
Sample : cc4569-50
Misc : op73791,ez4590
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 15:53:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration







TIC: z92314.D\data.ms

(61) 4-Nitrophenol (t)

7.285min (-0.011) 70.28ppb m

response 224364

Ion	Exp%	Act%
109.10	100	100
139.10	90.20	146.79#
65.10	153.70	141.21
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92315.D
Acq On : 9 Jun 2014 10:49 pm
Operator : ashleyd
Sample : cc4571-50
Misc : op73791,ez4590
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 13:27:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

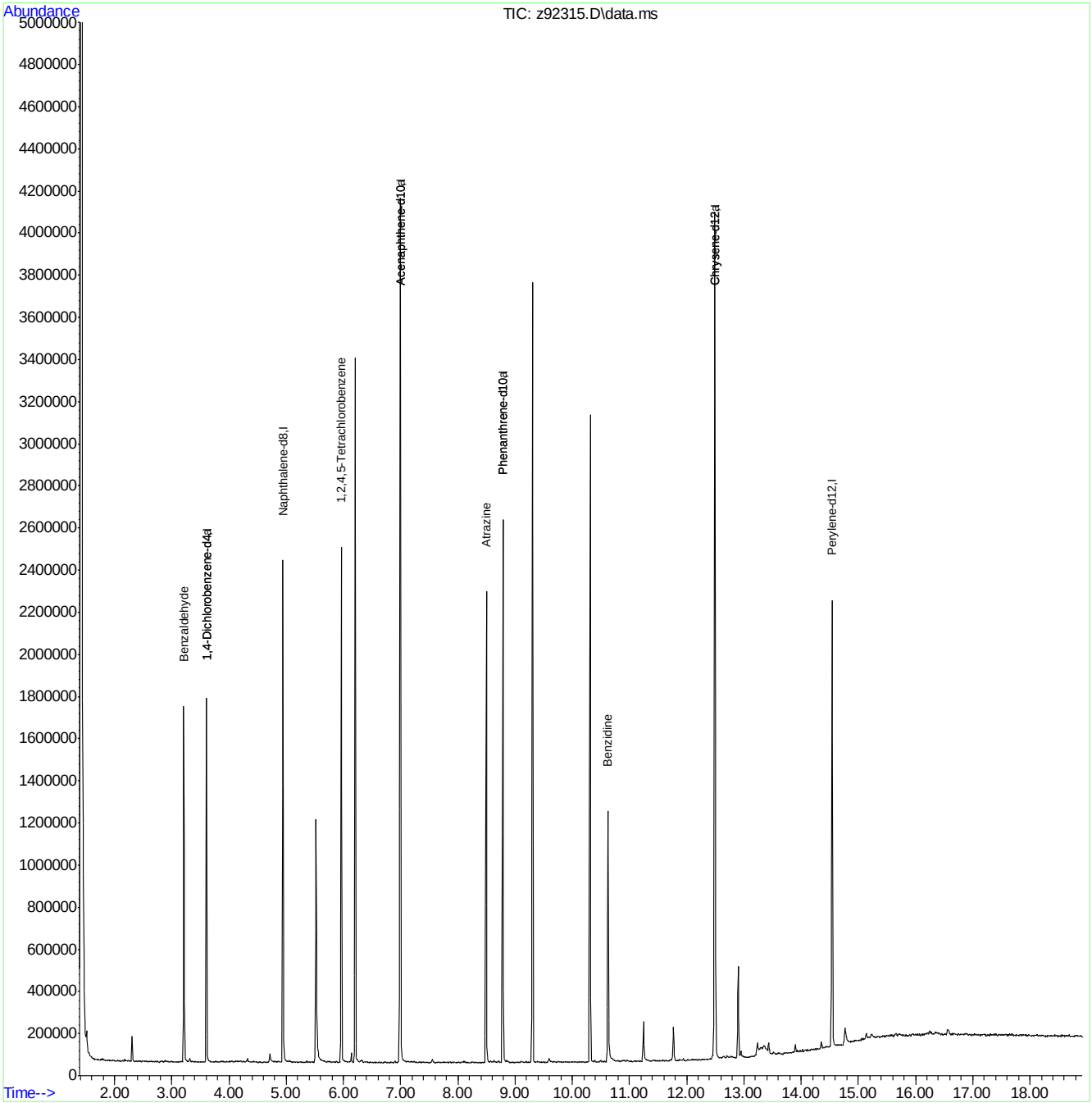
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.609	152	250874	40.00	ppb		-0.03
24) Naphthalene-d8	4.940	136	1009326	40.00	ppb		-0.04
47) Acenaphthene-d10	6.996	164	562587	40.00	ppb		-0.03
69) Phenanthrene-d10	8.786	188	965421	40.00	ppb		-0.04
83) Chrysene-d12	12.494	240	990700	40.00	ppb		-0.05
92) Perylene-d12	14.545	264	924981	40.00	ppb		-0.04
102) 1,4-Dichlorobenzene-d4a	3.609	152	250874	40.00	ppb		-0.03
104) Phenanthrene-d10a	8.786	188	965421	40.00	ppb		-0.04
106) Chrysene-d12a	12.494	240	990700	40.00	ppb		-0.05
108) Acenaphthene-d10a	6.996	164	562587	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
103) Benzaldehyde	3.209	105	281289	47.76	ppb		85
105) Atrazine	8.498	215	138113	62.69	ppb	#	78
107) Benzidine	10.624	184	560960	55.15	ppb		99
109) 1,2,4,5-Tetrachloroben...	5.965	216	384502	56.61	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4590\
Data File : z92315.D
Acq On : 9 Jun 2014 10:49 pm
Operator : ashleyd
Sample : cc4571-50
Misc : op73791,ez4590
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 13:27:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92459.D
Acq On : 12 Jun 2014 5:12 pm
Operator : olgaa
Sample : ic4596-100
Misc : op73791,ez4596,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 17:42:36 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	208146	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	842100	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	470197	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	798955	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	835341	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	782376	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	208146	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	798955	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	835341	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	470197	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	208146	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	835341	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	938681	100.00	ppb	99
115) Methyl Chrysene	13.145	242	1702650	107.86	ppb	99

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

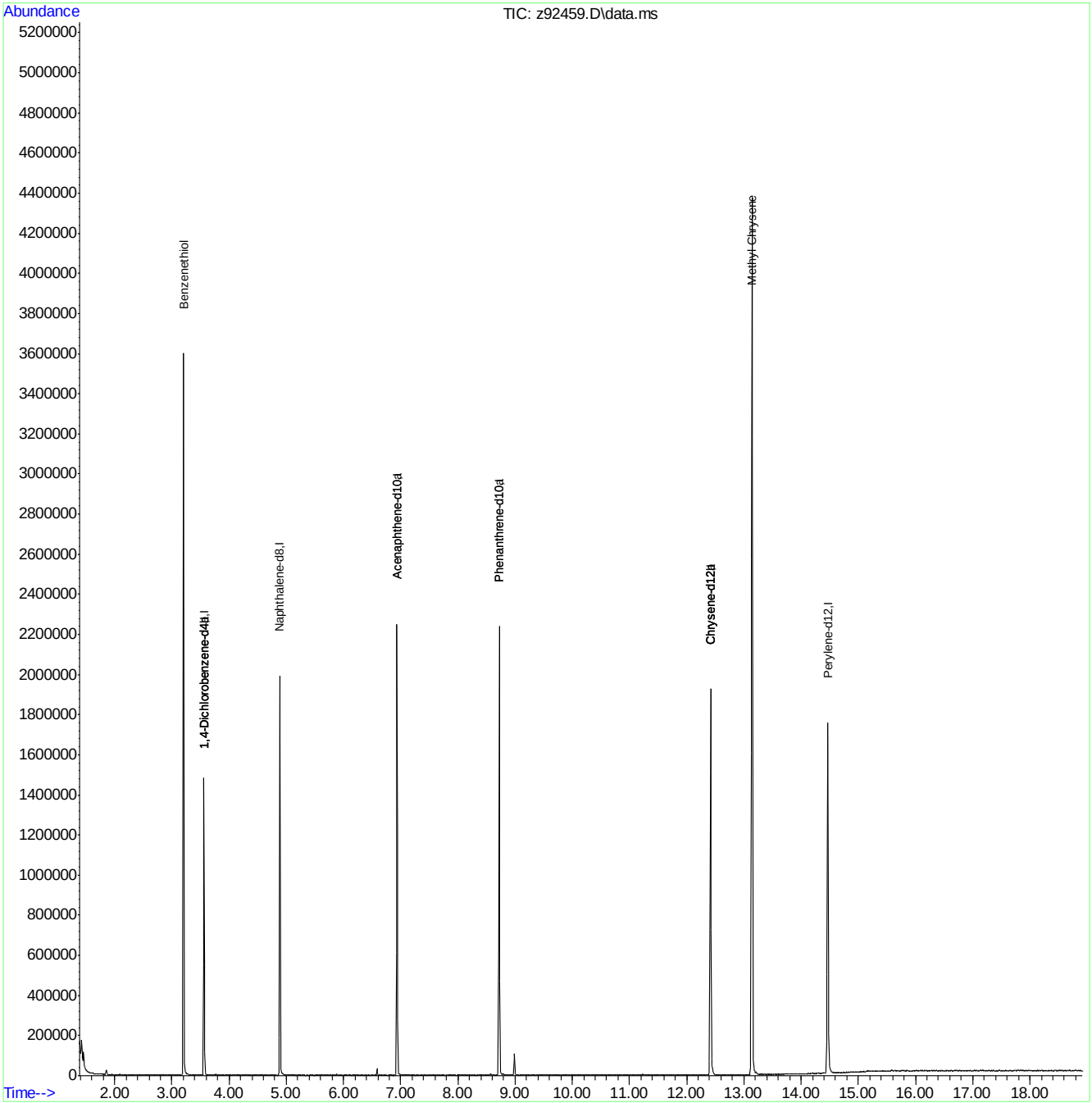
9.6.62

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92459.D
Acq On : 12 Jun 2014 5:12 pm
Operator : olgaa
Sample : ic4596-100
Misc : op73791,ez4596,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 17:42:36 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92460.D
Acq On : 12 Jun 2014 5:38 pm
Operator : olgaa
Sample : ic4596-80
Misc : op73791,ez4596,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 19:39:49 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

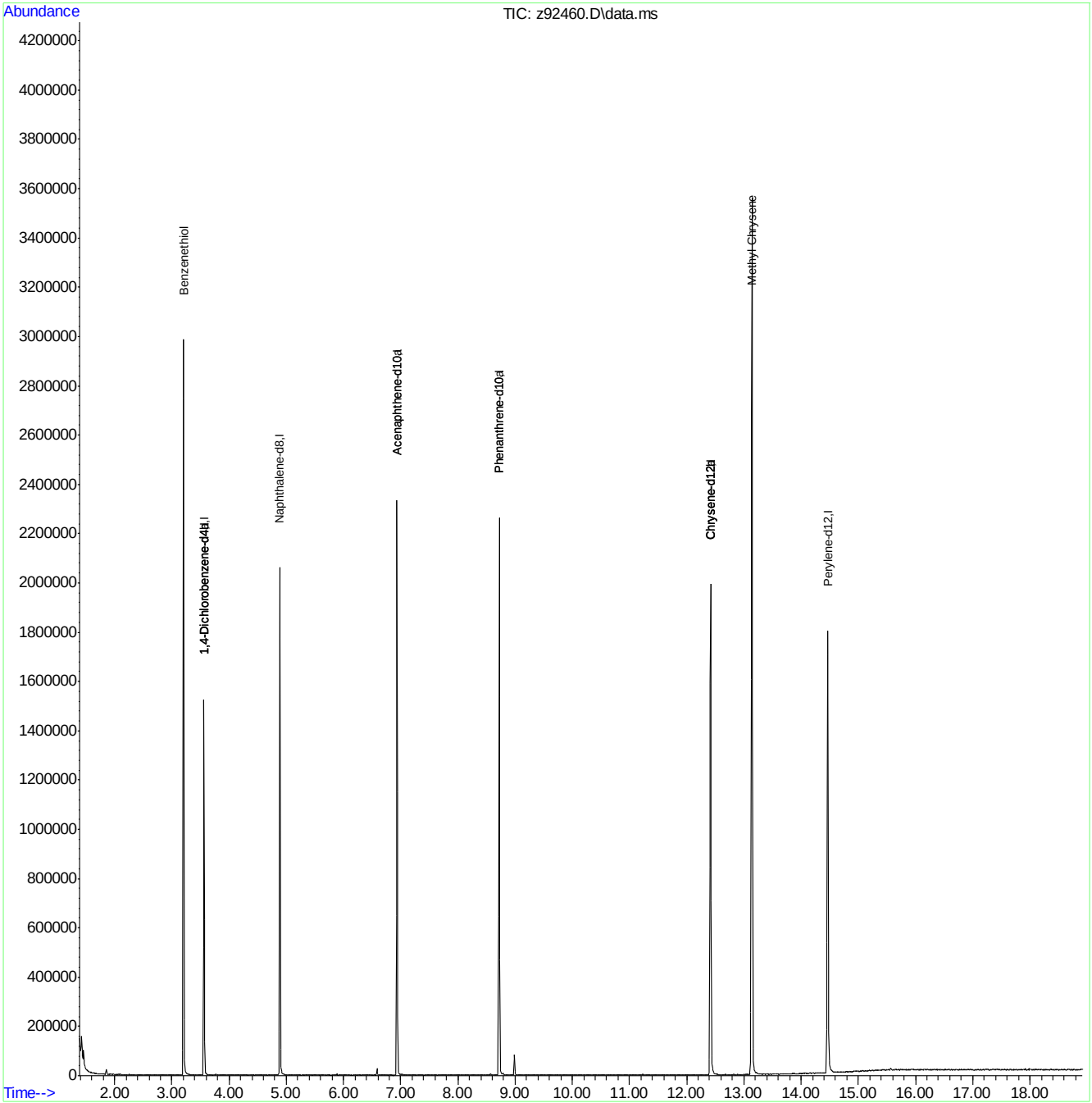
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	210152	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	871818	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	476550	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	815118	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	836684	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	785658	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	210152	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	815118	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	836684	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	476550	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	210152	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	836684	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	773111	81.58	ppb	99
115) Methyl Chrysene	13.140	242	1361817	86.13	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92460.D
Acq On : 12 Jun 2014 5:38 pm
Operator : olgaa
Sample : ic4596-80
Misc : op73791,ez4596,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 19:39:49 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92461.D
Acq On : 12 Jun 2014 6:04 pm
Operator : olgaa
Sample : icc4596-50
Misc : op73791,ez4596,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 19:41:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:41:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	204397	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	823730	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	460959	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	782709	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	812139	40.00	ppb	0.00
92) Perylene-d12	14.465	264	754732	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	204397	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	782709	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	812139	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	460959	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	204397	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	812139	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	457288	49.13	ppb	99
115) Methyl Chrysene	13.140	242	807606	51.97	ppb	99

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

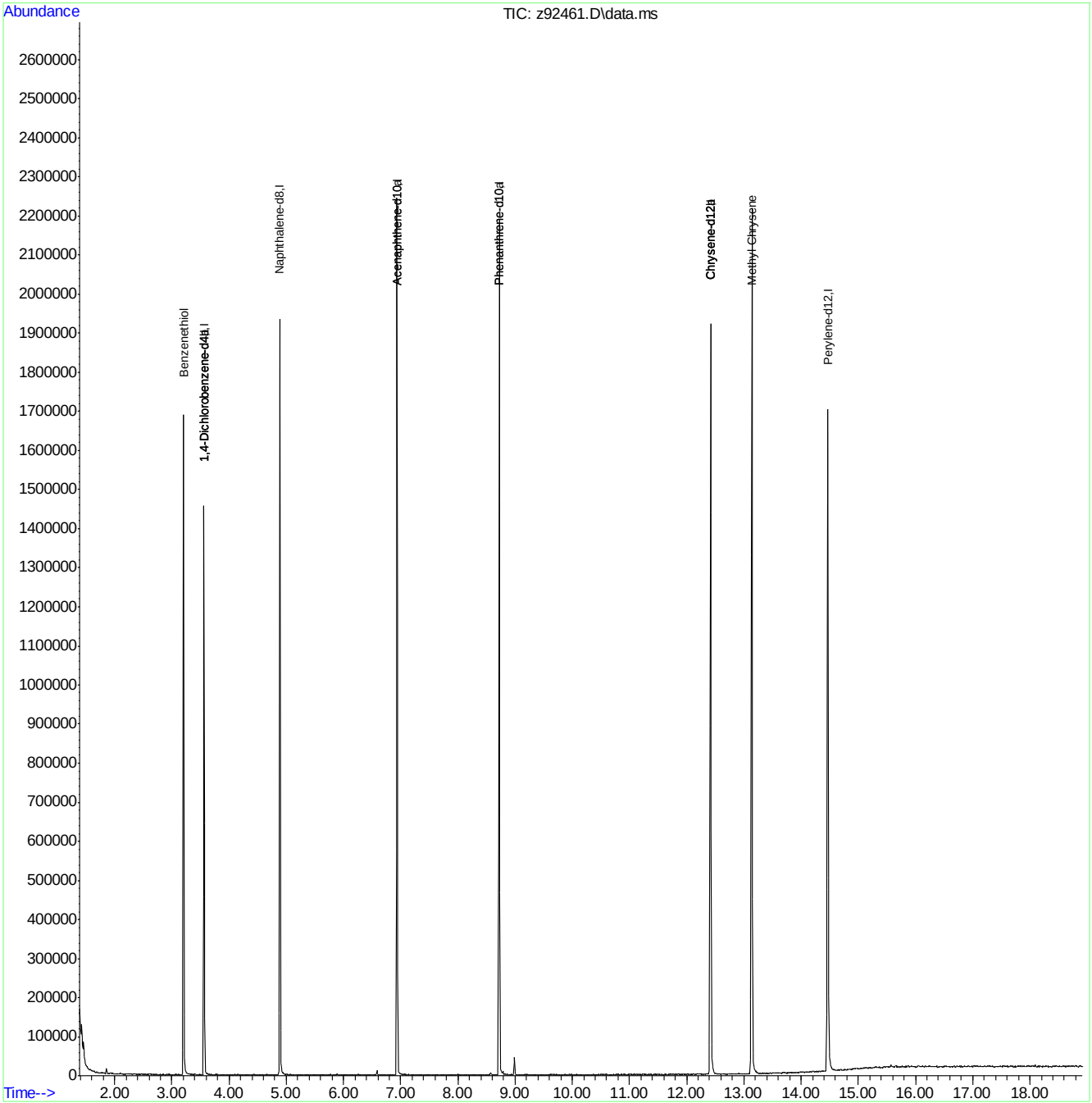
9.6.64

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92461.D
Acq On : 12 Jun 2014 6:04 pm
Operator : olgaa
Sample : icc4596-50
Misc : op73791,ez4596,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 19:41:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:41:35 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92462.D
Acq On : 12 Jun 2014 6:30 pm
Operator : olgaa
Sample : ic4596-25
Misc : op73791,ez4596,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 19:42:31 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:10 2014
Response via : Initial Calibration

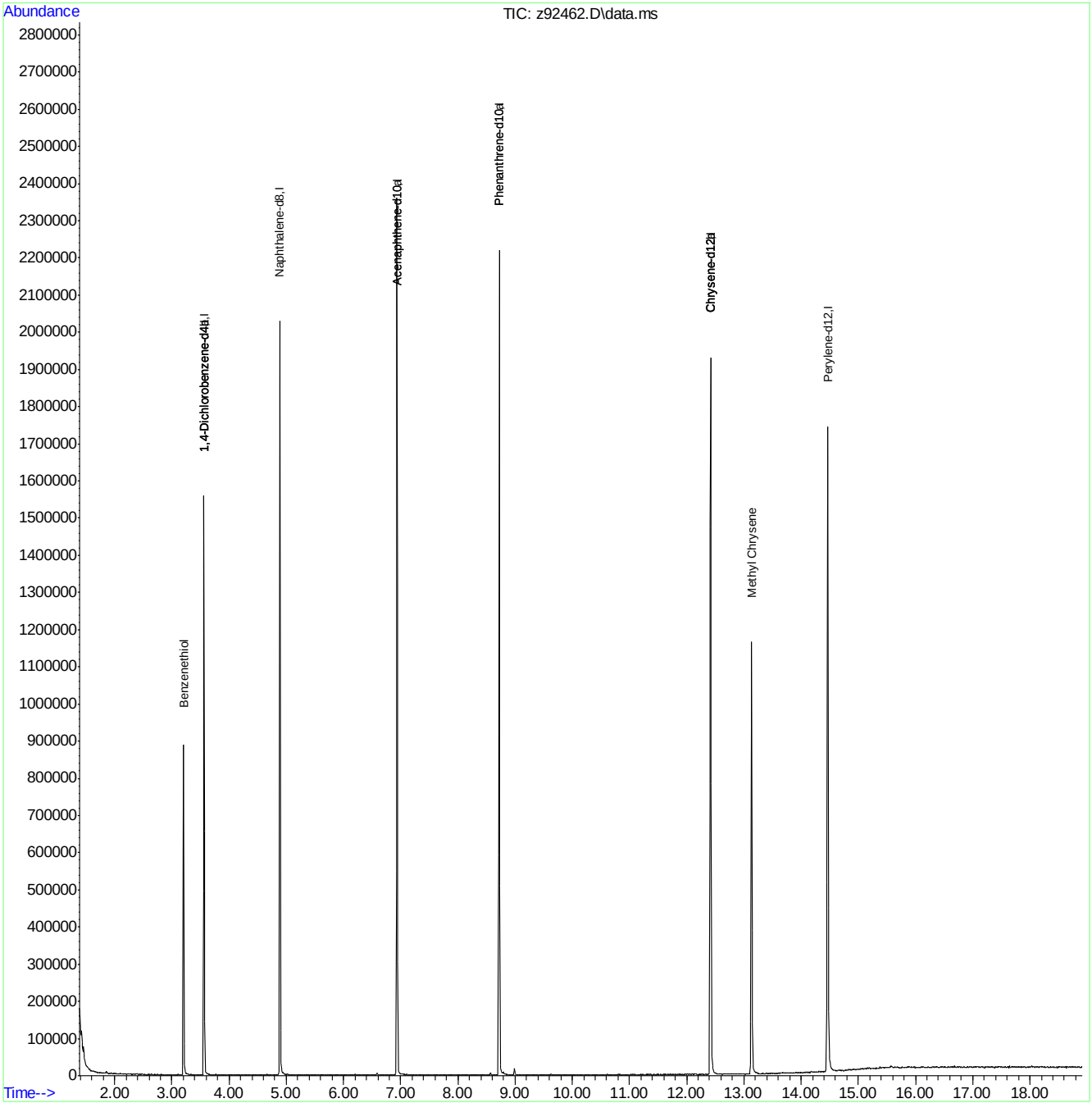
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	216272	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	874626	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	476057	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	804187	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	827638	40.00	ppb	0.00
92) Perylene-d12	14.465	264	764810	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	216272	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	804187	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	827638	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	476057	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	216272	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	827638	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	234943	23.99	ppb	98
115) Methyl Chrysene	13.135	242	400955	25.23	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92462.D
Acq On : 12 Jun 2014 6:30 pm
Operator : olgaa
Sample : ic4596-25
Misc : op73791,ez4596,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 19:42:31 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92463.D
Acq On : 12 Jun 2014 6:56 pm
Operator : olgaa
Sample : ic4596-10
Misc : op73791,ez4596,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 19:45:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:49 2014
Response via : Initial Calibration

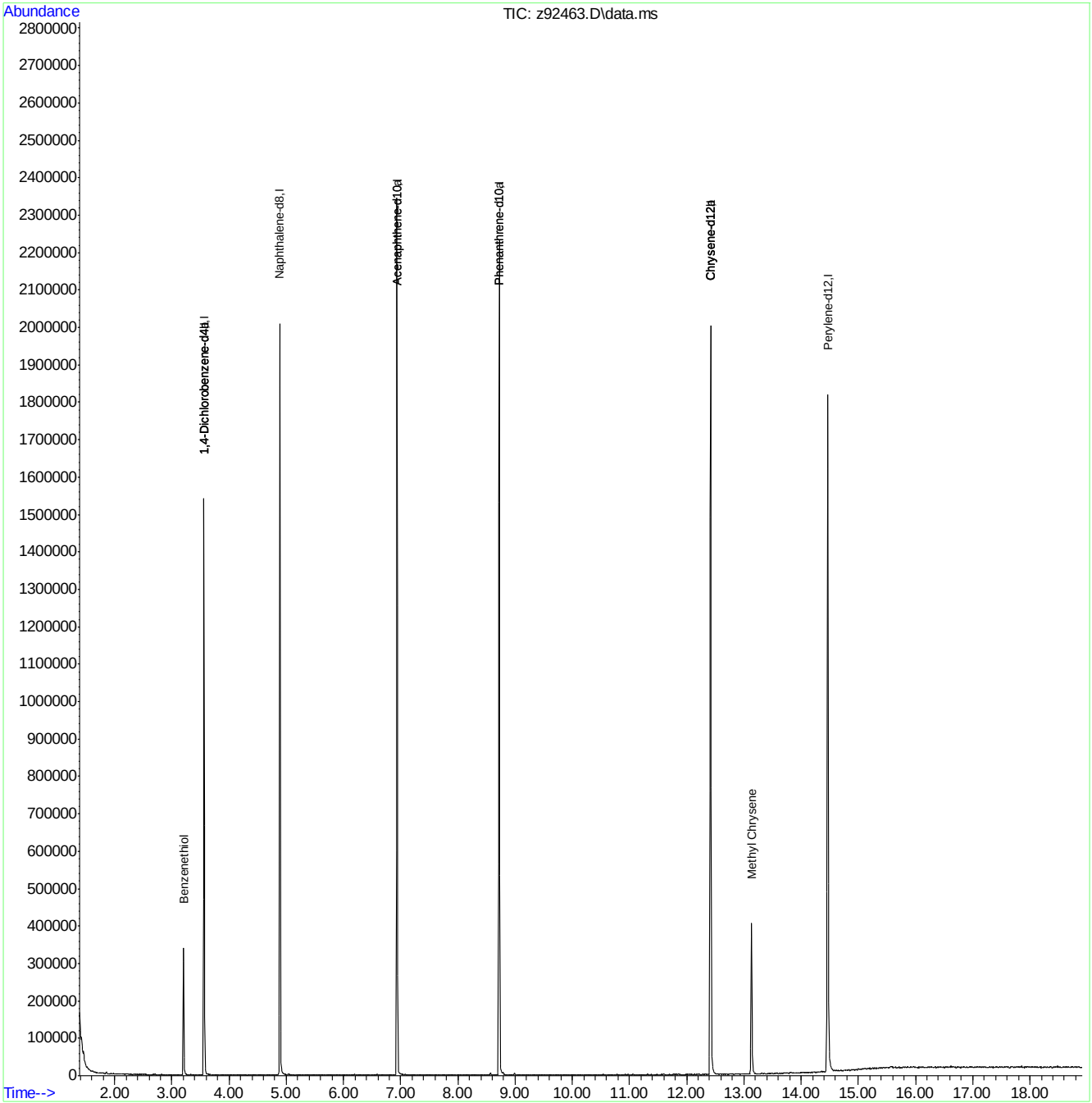
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	210322	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	859865	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	477742	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	800064	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	835770	40.00	ppb	0.00
92) Perylene-d12	14.465	264	777263	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	210322	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	800064	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	835770	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	477742	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	210322	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	835770	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	89043	9.45	ppb	96
115) Methyl Chrysene	13.135	242	152109	9.46	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92463.D
Acq On : 12 Jun 2014 6:56 pm
Operator : olgaa
Sample : ic4596-10
Misc : op73791,ez4596,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 19:45:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92464.D
Acq On : 12 Jun 2014 7:22 pm
Operator : olgaa
Sample : ic4596-5
Misc : op73791,ez4596,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 19:43:18 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:43:02 2014
Response via : Initial Calibration

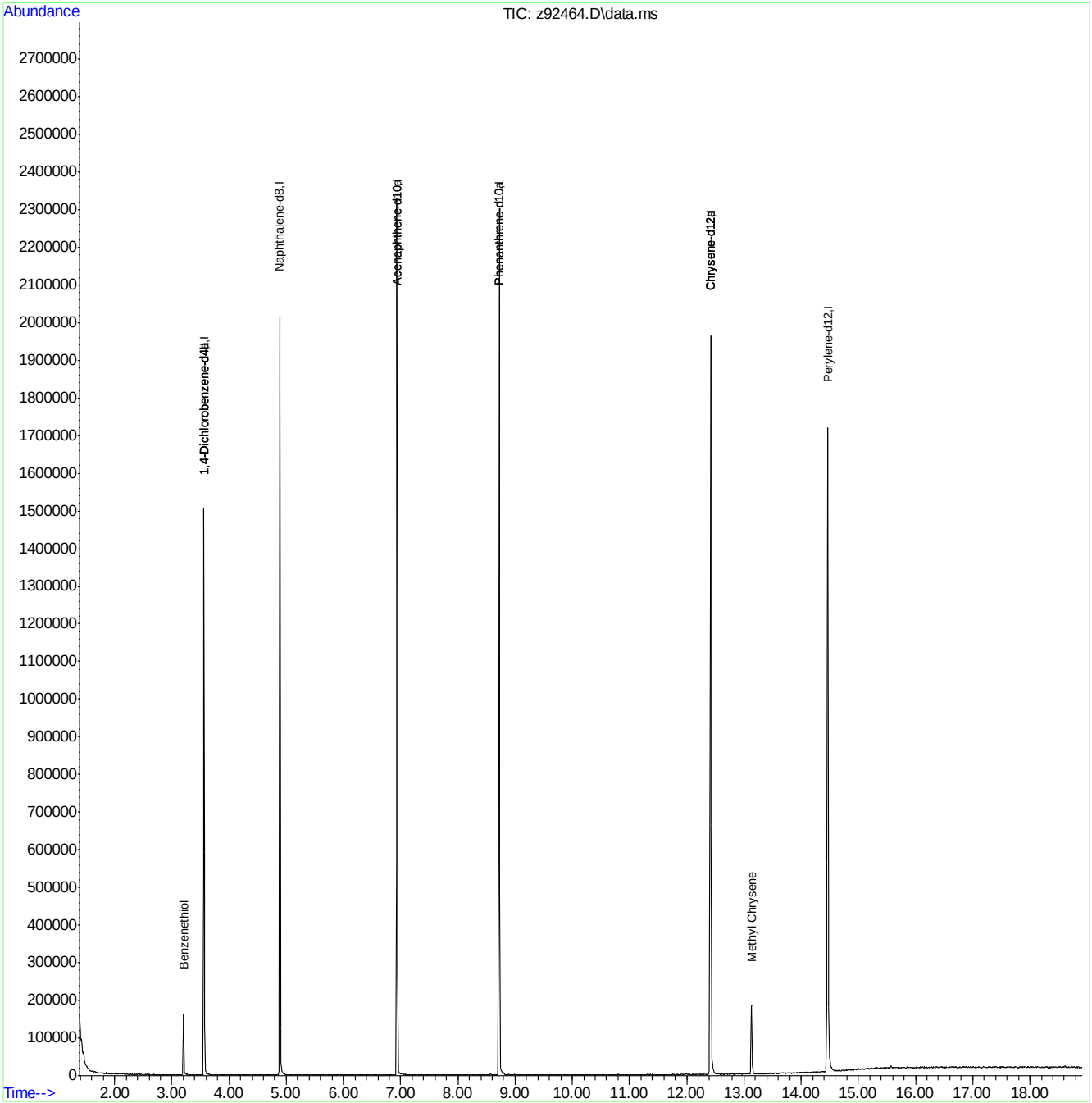
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	213207	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	868352	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	471360	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	810063	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	836422	40.00	ppb	0.00
92) Perylene-d12	14.465	264	772522	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	213207	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	810063	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	836422	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	471360	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	213207	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	836422	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	43110	4.56	ppb	98
115) Methyl Chrysene	13.135	242	70463	4.42	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92464.D
Acq On : 12 Jun 2014 7:22 pm
Operator : olgaa
Sample : ic4596-5
Misc : op73791,ez4596,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 19:43:18 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:43:02 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92465.D
Acq On : 12 Jun 2014 7:47 pm
Operator : olgaa
Sample : ic4596-2
Misc : op73791,ez4596,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 22:15:27 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

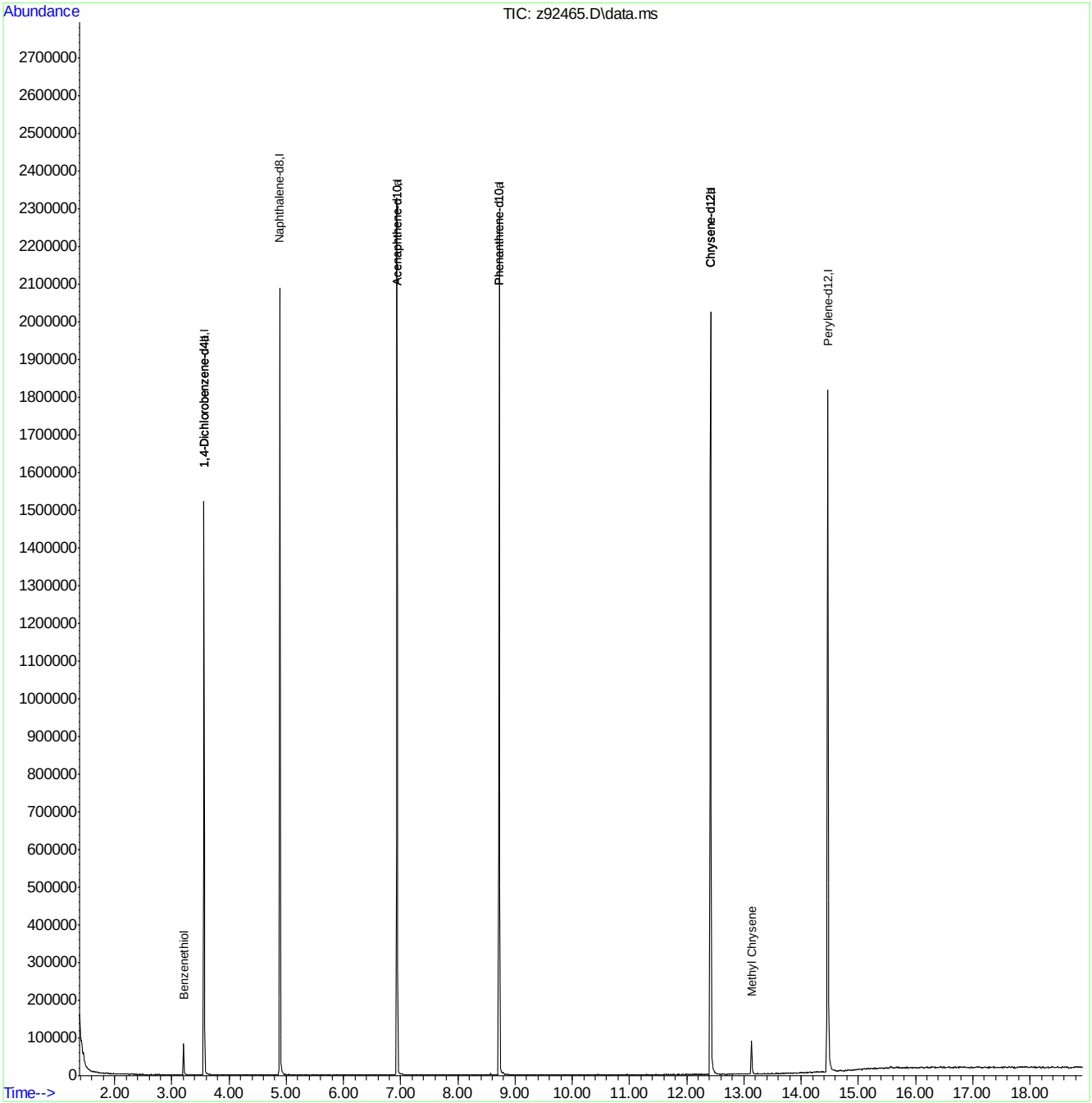
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	218623	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	881837	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	478985	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	816001	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	838443	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	782298	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	218623	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	816001	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	838443	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	478985	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	218623	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	838443	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	21858	2.22	ppb	91
115) Methyl Chrysene	13.135	242	36022	2.27	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92465.D
Acq On : 12 Jun 2014 7:47 pm
Operator : olgaa
Sample : ic4596-2
Misc : op73791,ez4596,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 22:15:27 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92466.D
Acq On : 12 Jun 2014 8:13 pm
Operator : olgaa
Sample : ic4596-1
Misc : op73791,ez4596,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 12 22:15:51 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

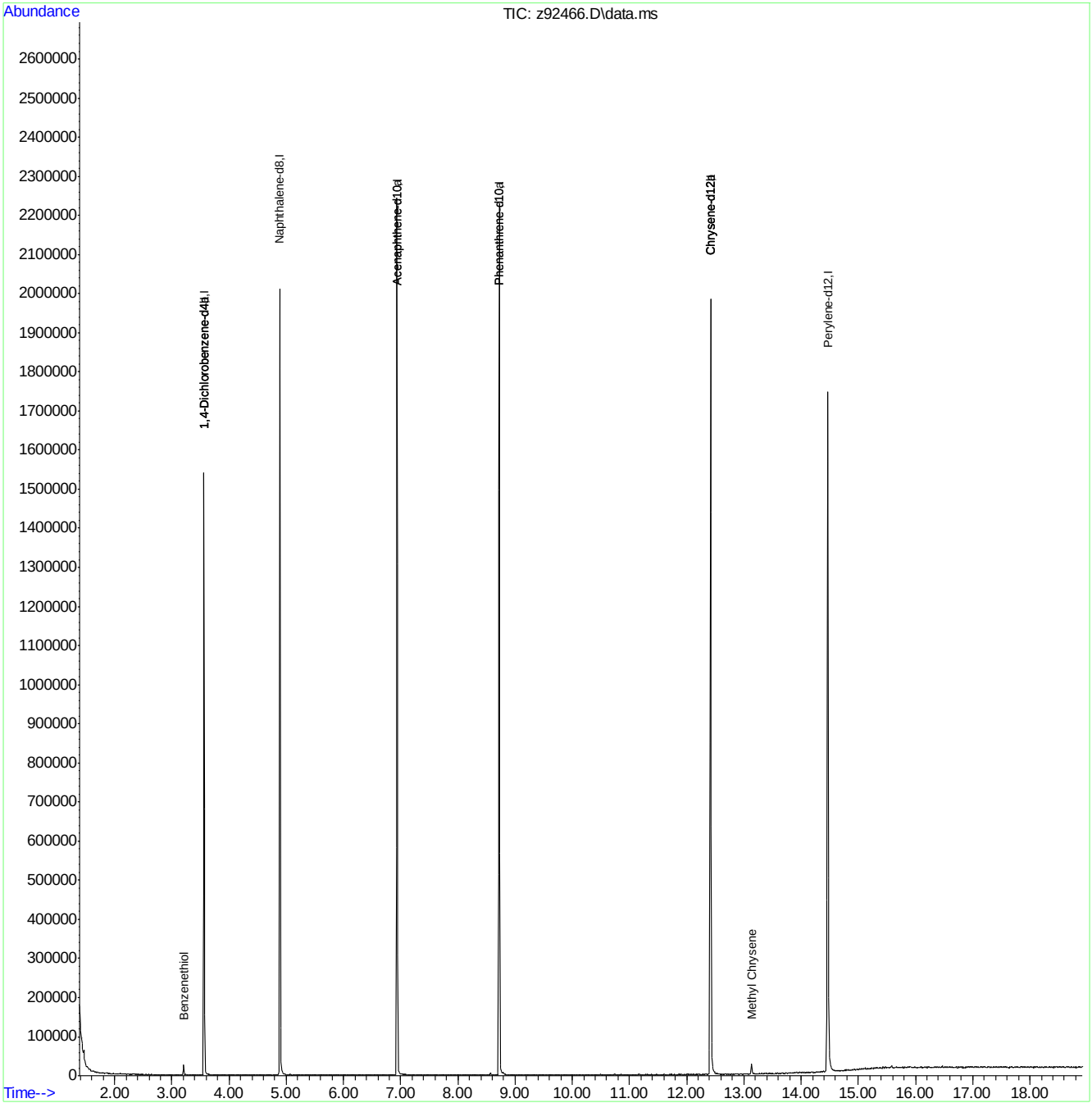
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	212591	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	861045	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	463709	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	796273	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	821656	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	756643	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	212591	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	796273	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	821656	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	463709	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	212591	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	821656	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.203	110	7723	0.81	ppb	88
115) Methyl Chrysene	13.135	242	11510	0.74	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92466.D
Acq On : 12 Jun 2014 8:13 pm
Operator : olgaa
Sample : ic4596-1
Misc : op73791,ez4596,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 12 22:15:51 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92467.D
Acq On : 12 Jun 2014 8:39 pm
Operator : olgaa
Sample : icv4596-50
Misc : op73791,ez4596,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 22:22:48 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

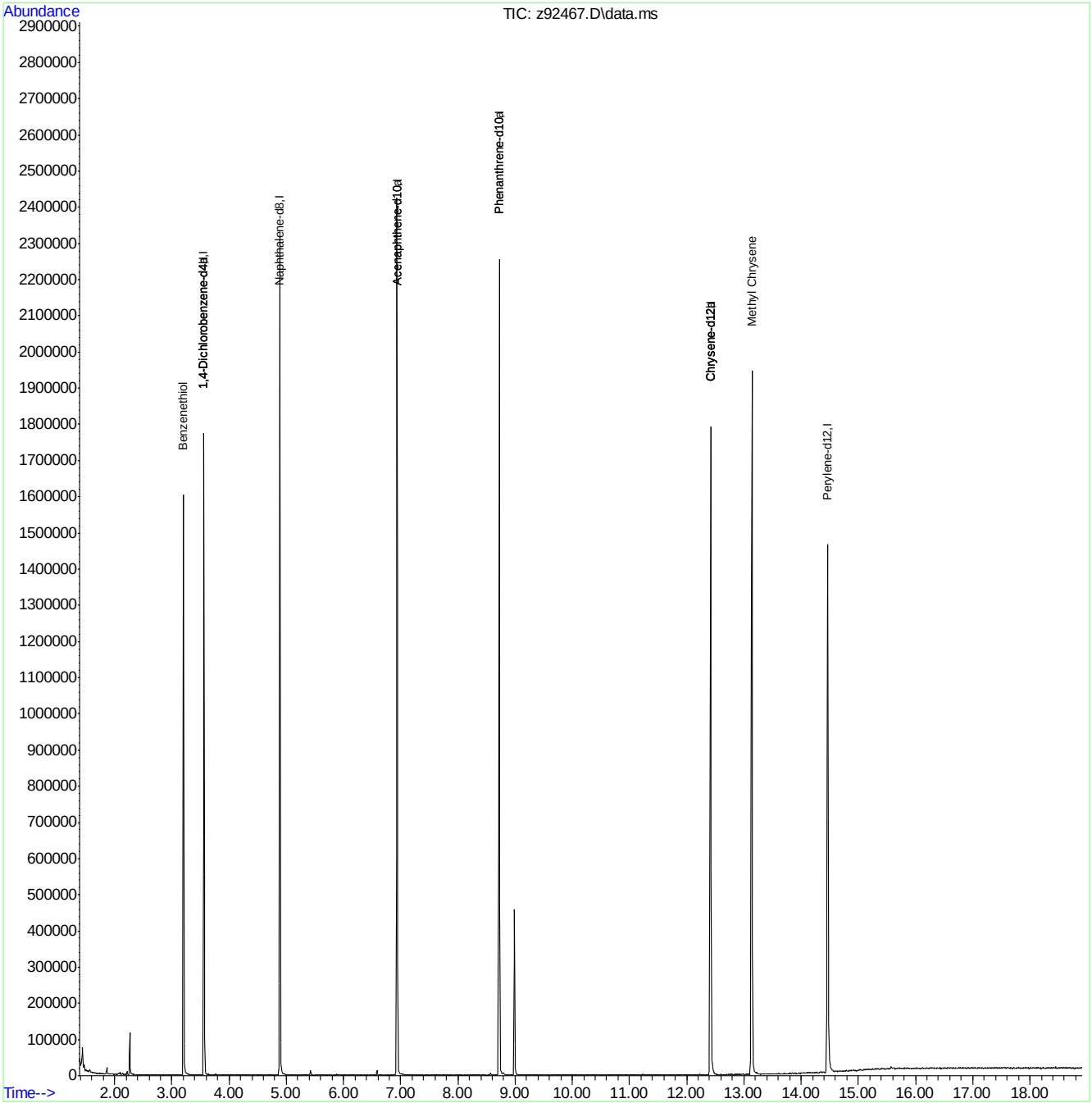
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.556	152	236976	40.00	ppb	-0.02
24) Naphthalene-d8	4.886	136	942785	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	497609	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	810290	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	760095	40.00	ppb	-0.02
92) Perylene-d12	14.459	264	652929	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.556	152	236976	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.722	188	810290	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	760095	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	497609	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.556	152	236976	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	760095	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Benzenethiol	3.198	110	399562	38.72	ppb	96
115) Methyl Chrysene	13.140	242	731462	51.14	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92467.D
Acq On : 12 Jun 2014 8:39 pm
Operator : olgaa
Sample : icv4596-50
Misc : op73791,ez4596,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 22:22:48 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92469.D
Acq On : 12 Jun 2014 10:32 pm
Operator : olgaa
Sample : cc4569-50
Misc : op73791,ez4597,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:39:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.561	152	360066	40.00	ppb		-0.06
24) Naphthalene-d8	4.892	136	1454522	40.00	ppb		-0.07
47) Acenaphthene-d10	6.943	164	798620	40.00	ppb		-0.07
69) Phenanthrene-d10	8.727	188	1355303	40.00	ppb		-0.08
83) Chrysene-d12	12.435	240	1422921	40.00	ppb		-0.09
92) Perylene-d12	14.476	264	1319689	40.00	ppb		-0.09
102) 1,4-Dichlorobenzene-d4a	3.561	152	360066	40.00	ppb		-0.06
104) Phenanthrene-d10a	8.727	188	1355303	40.00	ppb		-0.08
106) Chrysene-d12a	12.435	240	1422921	40.00	ppb		-0.09
108) Acenaphthene-d10a	6.943	164	798620	40.00	ppb		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	2.493	112	620372	50.42	ppb		-0.06
Spiked Amount 50.000			Recovery =	100.84%			
8) Phenol-d5	3.252	99	779988	50.33	ppb		-0.06
Spiked Amount 50.000			Recovery =	100.66%			
25) Nitrobenzene-d5	4.122	82	716195	55.88	ppb		-0.06
Spiked Amount 50.000			Recovery =	111.76%			
51) 2-Fluorobiphenyl	6.158	172	1214340	47.97	ppb		-0.07
Spiked Amount 50.000			Recovery =	95.94%			
73) 2,4,6-Tribromophenol	7.899	330	204618	61.79	ppb		-0.07
Spiked Amount 50.000			Recovery =	123.58%			
86) Terphenyl-d14	10.907	244	1467733	51.29	ppb		-0.09
Spiked Amount 50.000			Recovery =	102.58%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.574	88	261826	42.47	ppb		92
3) Pyridine	1.734	79	715343	44.78	ppb		90
4) N-Nitrosodimethylamine	1.708	74	424016	49.11	ppb		73
6) Indene	3.813	116	1105416	45.34	ppb		97
7) Cumene	2.862	105	1609638	46.67	ppb		97
9) Phenol	3.262	94	857261	49.29	ppb	#	38
10) Aniline	3.262	93	738642	39.08	ppb	#	4
11) bis(2-Chloroethyl)ether	3.310	93	597238	48.99	ppb		96
12) 2-Chlorophenol	3.380	128	670225	48.34	ppb		97
13) Decane	3.401	43	780446	47.33	ppb		92
14) 1,3-Dichlorobenzene	3.508	146	721978	48.35	ppb		97
15) 1,4-Dichlorobenzene	3.578	146	736113	48.12	ppb		98
16) Benzyl alcohol	3.706	108	424574	50.84	ppb		84
17) 1,2-Dichlorobenzene	3.727	146	682266	47.59	ppb		96
18) Acetophenone	3.962	105	914775	45.89	ppb		92
19) 2-Methylphenol	3.834	108	561318	48.08	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.829	121	192518	47.80	ppb	#	84
21) 3&4-Methylphenol	3.994	108	621935	49.62	ppb		98
22) n-Nitroso-di-n-propyla...	3.967	70	468615	53.34	ppb		91
23) Hexachloroethane	4.064	201	241882	51.16	ppb		97
26) Nitrobenzene	4.144	77	747135	52.73	ppb		93
27) Quinoline	5.308	129	1298178	44.56	ppb		98
28) Isophorone	4.390	82	1240048	52.98	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92469.D
Acq On : 12 Jun 2014 10:32 pm
Operator : olgaa
Sample : cc4569-50
Misc : op73791,ez4597,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:39:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.480	139	354557	53.44	ppb		86
30)	2,4-Dimethylphenol	4.555	107	631559	57.08	ppb		92
31)	Benzoic Acid	4.747	105	510927	82.52	ppb	#	61
32)	bis(2-Chloroethoxy)met...	4.641	93	681799	47.91	ppb		100
33)	2,4-Dichlorophenol	4.758	162	514518	50.71	ppb		97
34)	2,6-Dichlorophenol	5.009	162	488314	49.08	ppb		99
35)	1,3,5-Trichlorobenzene	4.491	180	610194	43.14	ppb		98
36)	1,2,4-Trichlorobenzene	4.833	180	579103	47.93	ppb		98
37)	1,2,3-Trichlorobenzene	5.084	180	576713	43.11	ppb		100
38)	Naphthalene	4.918	128	1882830	46.41	ppb		100
39)	4-Chloroaniline	5.004	127	715075	44.69	ppb		97
40)	2,3-Dichloroaniline	6.056	161	624393	44.96	ppb		97
41)	Caprolactam	5.405	55	272945	40.38	ppb		95
42)	Hexachlorobutadiene	5.068	225	334208	51.18	ppb		99
43)	4-Chloro-3-methylphenol	5.608	107	591225	54.85	ppb		93
44)	2-Methylnaphthalene	5.714	141	1054705	47.86	ppb		97
45)	1-Methylnaphthalene	5.827	141	1065005	43.87	ppb		97
46)	Dimethylnaphthalene	6.452	156	1118944	45.49	ppb		97
48)	Hexachlorocyclopentadiene	5.907	237	677601	107.33	ppb		99
49)	2,4,6-Trichlorophenol	6.072	196	367732	53.06	ppb		100
50)	2,4,5-Trichlorophenol	6.126	196	391766	53.29	ppb		98
52)	2-Chloronaphthalene	6.286	162	1162418	48.93	ppb		98
53)	Biphenyl	6.270	154	1512145	44.76	ppb		100
54)	2-Nitroaniline	6.436	65	427351	65.59	ppb		86
55)	Dimethylphthalate	6.660	163	1283409	50.59	ppb		99
56)	Acenaphthylene	6.772	152	1884847	50.50	ppb		100
57)	2,6-Dinitrotoluene	6.724	165	308960	59.42	ppb		89
58)	3-Nitroaniline	6.932	138	359425	54.70	ppb		88
59)	Acenaphthene	6.981	153	1141419	48.34	ppb		98
60)	2,4-Dinitrophenol	7.055	184	381755	106.89	ppb		73
61)	4-Nitrophenol	7.210	109	218074	73.34	ppb	#	74
62)	Dibenzofuran	7.189	168	1607815	49.08	ppb		91
63)	2,4-Dinitrotoluene	7.205	165	423091	59.61	ppb	#	45
64)	2,3,4,6-Tetrachlorophenol	7.365	232	333302	56.00	ppb		98
65)	Diethylphthalate	7.515	149	1343647	54.41	ppb		99
66)	Fluorene	7.600	166	1292123	50.43	ppb		99
67)	4-Chlorophenyl-phenyle...	7.616	204	596582	49.76	ppb		92
68)	4-Nitroaniline	7.675	138	372285	56.53	ppb		82
70)	4,6-Dinitro-2-methylph...	7.702	198	259711	59.70	ppb		91
71)	n-Nitrosodiphenylamine	7.771	169	875187	50.97	ppb		99
72)	1,2-Diphenylhydrazine	7.809	77	1485006	55.61	ppb		96
74)	4-Bromophenyl-phenylether	8.199	248	357189	51.33	ppb		89
75)	Hexachlorobenzene	8.268	284	433562	52.22	ppb		99
76)	Pentachlorophenol	8.530	266	515826	122.19	ppb		99
77)	Phenanthrene	8.759	178	1898094	48.15	ppb		99
78)	Anthracene	8.824	178	1927333	50.44	ppb		100
79)	Carbazole	9.053	167	1812818	45.81	ppb		99
80)	Di-n-butylphthalate	9.545	149	2274829	58.51	ppb		99
81)	Fluoranthene	10.330	202	2026411	52.80	ppb		96
82)	Octadecane	8.663	57	980804	52.70	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92469.D
Acq On : 12 Jun 2014 10:32 pm
Operator : olgaa
Sample : cc4569-50
Misc : op73791,ez4597,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:39:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.640	202	2140493	49.34	ppb	98
85) Butyl stearate	11.821	56	713802	60.94	ppb	98
87) Butylbenzylphthalate	11.671	149	1031680	58.96	ppb	95
88) Benzo[a]anthracene	12.414	228	2033904	51.98	ppb	99
89) 3,3'-Dichlorobenzidine	12.424	252	781109	60.72	ppb	99
90) Chrysene	12.472	228	1869347	48.12	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.579	149	1406598	59.19	ppb	99
93) Di-n-octylphthalate	13.535	149	2405622	53.95	ppb	98
94) Benzo[b]fluoranthene	13.974	252	2132148	54.22	ppb	98
95) Benzo[k]fluoranthene	14.011	252	2023250	49.81	ppb	98
96) Benzo[a]pyrene	14.396	252	1834297	52.51	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.881	276	1861731	55.25	ppb	96
98) Dibenz(a,h)acridine	15.566	279	1652003	50.35	ppb	100
99) Dibenz[a,h]anthracene	15.913	278	1847025	51.97	ppb	96
100) 7,12-Dimethylbenz(a)an...	13.974	256	964067	62.95	ppb	99
101) Benzo[g,h,i]perylene	16.271	276	1778996	50.67	ppb	93

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

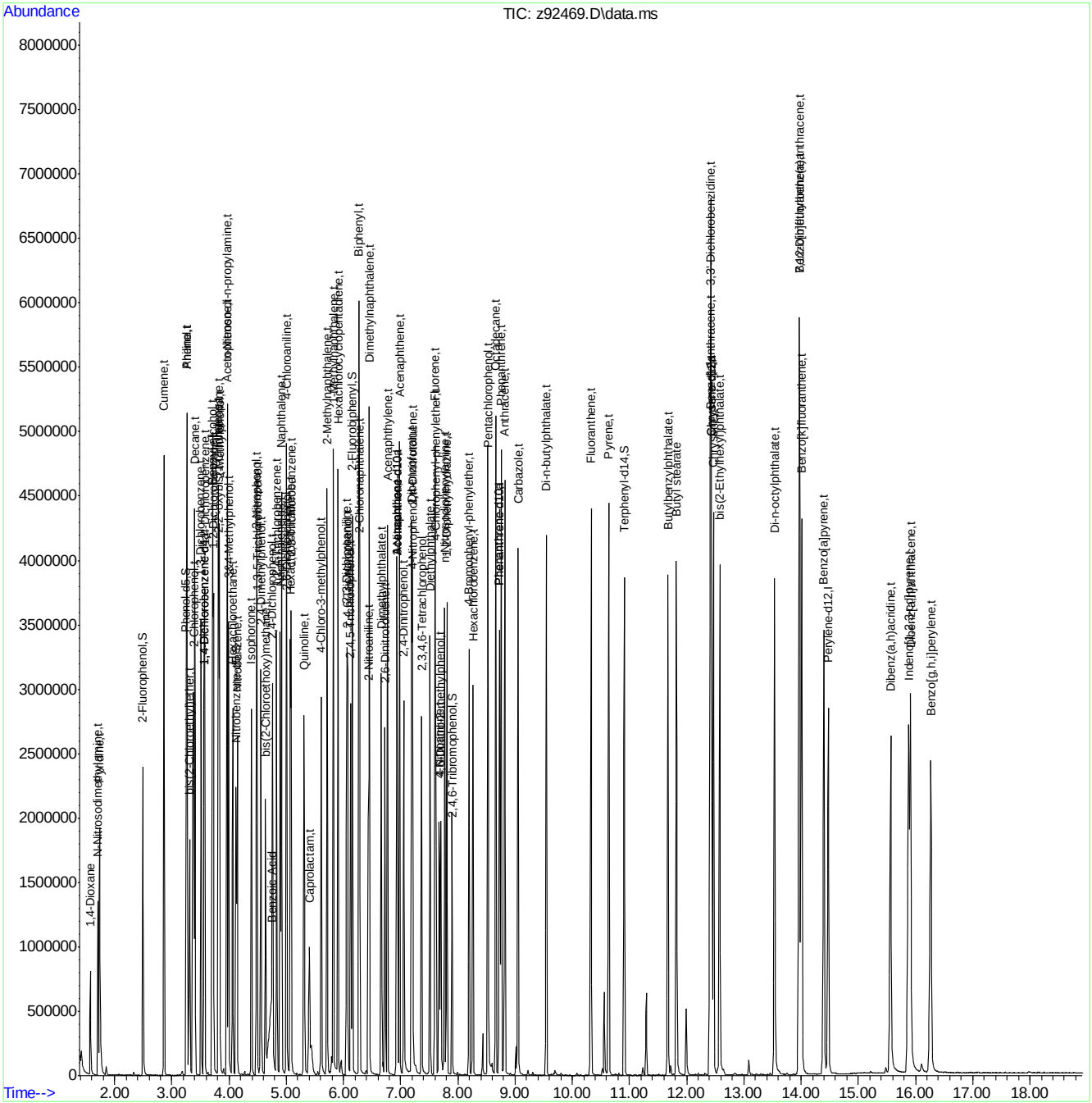
9.6.71

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92469.D
Acq On : 12 Jun 2014 10:32 pm
Operator : olgaa
Sample : cc4569-50
Misc : op73791,ez4597,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:39:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration



MZ4569.M Fri Jun 13 08:39:56 2014 RTE Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92470.D
Acq On : 12 Jun 2014 10:58 pm
Operator : olgaa
Sample : cc4571-50
Misc : op73791,ez4597,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 08:41:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration

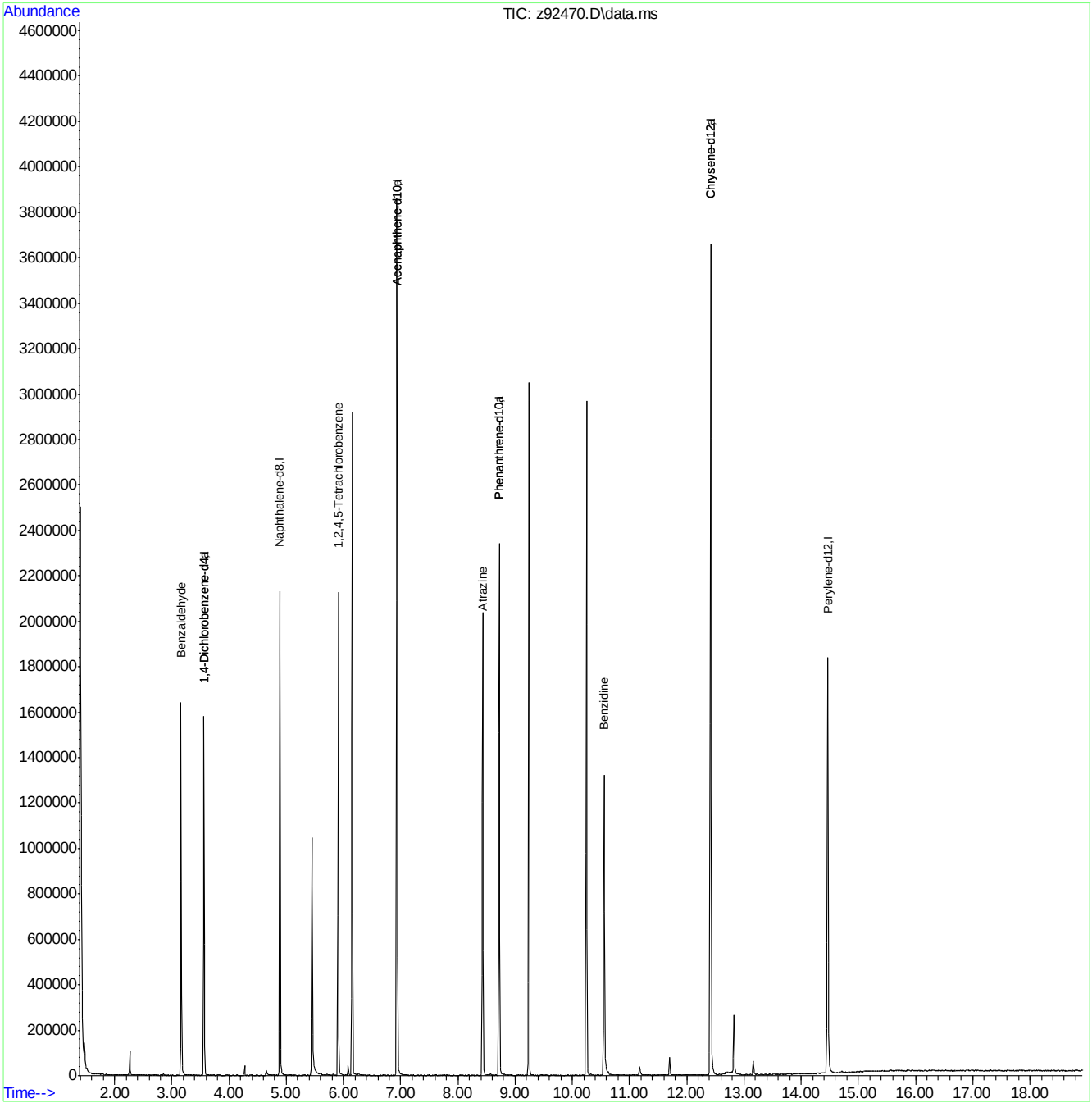
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	224673	40.00	ppb	-0.06
24) Naphthalene-d8	4.886	136	911847	40.00	ppb	-0.07
47) Acenaphthene-d10	6.938	164	499202	40.00	ppb	-0.08
69) Phenanthrene-d10	8.722	188	842748	40.00	ppb	-0.09
83) Chrysene-d12	12.419	240	870896	40.00	ppb	-0.11
92) Perylene-d12	14.465	264	827302	40.00	ppb	-0.10
102) 1,4-Dichlorobenzene-d4a	3.561	152	224673	40.00	ppb	-0.06
104) Phenanthrene-d10a	8.722	188	842748	40.00	ppb	-0.09
106) Chrysene-d12a	12.419	240	870896	40.00	ppb	-0.11
108) Acenaphthene-d10a	6.938	164	499202	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.161	105	267167	50.65	ppb	86
105) Atrazine	8.439	215	116799	60.03	ppb #	77
107) Benzidine	10.560	184	623764	69.77	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.912	216	336993	55.92	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92470.D
Acq On : 12 Jun 2014 10:58 pm
Operator : olgaa
Sample : cc4571-50
Misc : op73791,ez4597,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 08:41:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92471.D
Acq On : 12 Jun 2014 11:23 pm
Operator : olgaa
Sample : cc4596-50
Misc : op73791,ez4597,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 08:45:05 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

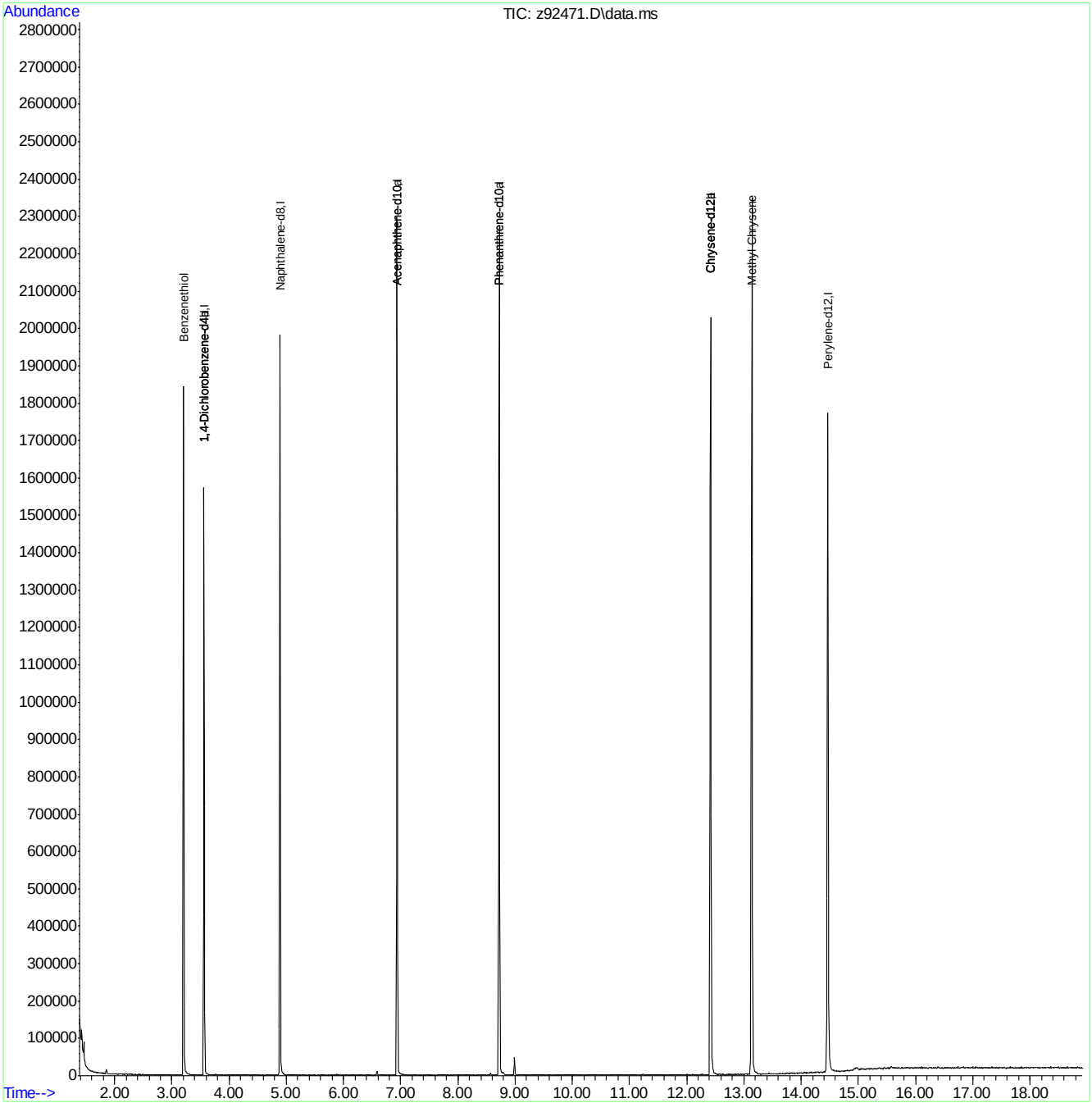
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	215025	40.00	ppb	-0.01
24) Naphthalene-d8	4.891	136	869019	40.00	ppb	-0.01
47) Acenaphthene-d10	6.938	164	476819	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	810799	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	846929	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	771143	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	215025	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	810799	40.00	ppb	-0.02
106) Chrysene-d12a	12.419	240	846929	40.00	ppb	-0.02
108) Acenaphthene-d10a	6.938	164	476819	40.00	ppb	-0.02
110) 1,4-Dichlorobenzene-d4b	3.561	152	215025	40.00	ppb	0.00
112) Chrysene-d12b	12.419	240	846929	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
111) Benzenethiol	3.203	110	475938	50.83	ppb	99
113) Methyl Chrysene	13.140	242	835098	52.40	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4597\
Data File : z92471.D
Acq On : 12 Jun 2014 11:23 pm
Operator : olgaa
Sample : cc4596-50
Misc : op73791,ez4597,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 08:45:05 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/19/14 14:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 16:26:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : 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	3.465	152	291340	40.00	ppb		-0.07
24) Naphthalene-d8	4.790	136	1159227	40.00	ppb		-0.07
47) Acenaphthene-d10	6.836	164	729387	40.00	ppb		-0.08
69) Phenanthrene-d10	8.620	188	1251698	40.00	ppb		-0.09
83) Chrysene-d12	12.301	240	1268334	40.00	ppb		-0.11
92) Perylene-d12	14.342	264	748791	40.00	ppb		-0.12
102) 1,4-Dichlorobenzene-d4a	3.465	152	291340	40.00	ppb		-0.07
104) Phenanthrene-d10a	8.620	188	1251698	40.00	ppb		-0.09
106) Chrysene-d12a	12.301	240	1268334	40.00	ppb		-0.11
108) Acenaphthene-d10a	6.836	164	729387	40.00	ppb		-0.08
System Monitoring Compounds							
5) 2-Fluorophenol	2.407	112	379489	38.12	ppb		-0.06
Spiked Amount 50.000			Recovery =	76.24%			
8) Phenol-d5	3.155	99	520890	41.54	ppb		-0.07
Spiked Amount 50.000			Recovery =	83.08%			
25) Nitrobenzene-d5	4.021	82	544637	53.31	ppb		-0.07
Spiked Amount 50.000			Recovery =	106.62%			
51) 2-Fluorobiphenyl	6.056	172	1002557	43.36	ppb		-0.07
Spiked Amount 50.000			Recovery =	86.72%			
73) 2,4,6-Tribromophenol	7.792	330	163780	53.55	ppb		-0.09
Spiked Amount 50.000			Recovery =	107.10%			
86) Terphenyl-d14	10.789	244	1157291	45.37	ppb		-0.10
Spiked Amount 50.000			Recovery =	90.74%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.505	88	116632	23.38	ppb		85
3) Pyridine	1.659	79	320889	24.83	ppb		67
4) N-Nitrosodimethylamine	1.633	74	168749	24.15	ppb	#	1
6) Indene	3.716	116	940272	47.66	ppb		98
7) Cumene	2.771	105	1320856	47.33	ppb		94
9) Phenol	3.171	94	608794	43.26	ppb	#	21
10) Aniline	3.171	93	471138	30.81	ppb	#	1
11) bis(2-Chloroethyl)ether	3.219	93	394091	39.95	ppb		98
12) 2-Chlorophenol	3.283	128	493898	44.02	ppb		96
13) Decane	3.310	43	718031	53.81	ppb		78
14) 1,3-Dichlorobenzene	3.412	146	557744	46.16	ppb		99
15) 1,4-Dichlorobenzene	3.481	146	569118	45.98	ppb		98
16) Benzyl alcohol	3.609	108	316798	46.88	ppb		74
17) 1,2-Dichlorobenzene	3.631	146	525723	45.32	ppb		96
18) Acetophenone	3.866	105	809180	50.17	ppb		98
19) 2-Methylphenol	3.738	108	427174	45.22	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.732	121	149648	45.92	ppb	#	64
21) 3&4-Methylphenol	3.898	108	467089	46.06	ppb		96
22) n-Nitroso-di-n-propyla...	3.866	70	360413	50.70	ppb		71
23) Hexachloroethane	3.967	201	194427	50.82	ppb		89
26) Nitrobenzene	4.042	77	569566	50.44	ppb		85
27) Quinoline	5.201	129	1152470	49.63	ppb		98
28) Isophorone	4.293	82	918379	49.23	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 16:26:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 15 13:03:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.384	139	282705	53.47	ppb		63
30) 2,4-Dimethylphenol	4.459	107	491663	55.75	ppb		90
31) Benzoic Acid	4.630	105	386187m	78.26	ppb		
32) bis(2-Chloroethoxy)met...	4.539	93	486253	42.88	ppb		99
33) 2,4-Dichlorophenol	4.662	162	412901	51.06	ppb		99
34) 2,6-Dichlorophenol	4.908	162	415460	52.39	ppb		99
35) 1,3,5-Trichlorobenzene	4.389	180	554603	49.19	ppb		97
36) 1,2,4-Trichlorobenzene	4.737	180	453346	47.08	ppb		96
37) 1,2,3-Trichlorobenzene	4.982	180	522887	49.05	ppb		98
38) Naphthalene	4.817	128	1501648	46.44	ppb		100
39) 4-Chloroaniline	4.902	127	493524	38.70	ppb		94
40) 2,3-Dichloroaniline	5.955	161	592806	53.55	ppb		96
41) Caprolactam	5.314	55	302787	56.21	ppb		90
42) Hexachlorobutadiene	4.966	225	280677	53.93	ppb		100
43) 4-Chloro-3-methylphenol	5.511	107	474960	55.28	ppb		93
44) 2-Methylnaphthalene	5.613	141	864111	49.20	ppb		94
45) 1-Methylnaphthalene	5.725	141	986951	51.01	ppb		95
46) Dimethylnaphthalene	6.350	156	1045404	53.32	ppb		93
48) Hexachlorocyclopentadiene	5.805	237	546790	94.83	ppb		99
49) 2,4,6-Trichlorophenol	5.971	196	308166	48.68	ppb		100
50) 2,4,5-Trichlorophenol	6.029	196	327852	48.83	ppb		95
52) 2-Chloronaphthalene	6.179	162	955843	44.05	ppb		95
53) Biphenyl	6.168	154	1472029	47.71	ppb		99
54) 2-Nitroaniline	6.329	65	361646	60.78	ppb	#	78
55) Dimethylphthalate	6.558	163	1059807	45.74	ppb		99
56) Acenaphthylene	6.665	152	1573221	46.15	ppb		100
57) 2,6-Dinitrotoluene	6.622	165	239988	50.54	ppb		74
58) 3-Nitroaniline	6.825	138	267422	44.56	ppb		83
59) Acenaphthene	6.873	153	965956	44.79	ppb		99
60) 2,4-Dinitrophenol	6.959	184	301199	93.84	ppb	#	47
61) 4-Nitrophenol	7.114	109	222965	82.11	ppb	#	60
62) Dibenzofuran	7.087	168	1358711	45.41	ppb		83
63) 2,4-Dinitrotoluene	7.109	165	345278	53.27	ppb	#	50
64) 2,3,4,6-Tetrachlorophenol	7.263	232	280235	51.56	ppb		96
65) Diethylphthalate	7.408	149	1213820	53.82	ppb		98
66) Fluorene	7.493	166	1130019	48.29	ppb		98
67) 4-Chlorophenyl-phenyle...	7.509	204	492390	44.97	ppb		81
68) 4-Nitroaniline	7.568	138	279459	46.46	ppb	#	60
70) 4,6-Dinitro-2-methylph...	7.605	198	205957	51.26	ppb		84
71) n-Nitrosodiphenylamine	7.664	169	744138	46.92	ppb		100
72) 1,2-Diphenylhydrazine	7.702	77	1265048	51.30	ppb		91
74) 4-Bromophenyl-phenylether	8.091	248	301736	46.95	ppb	#	81
75) Hexachlorobenzene	8.161	284	352450	45.96	ppb		83
76) Pentachlorophenol	8.423	266	439016	112.60	ppb		99
77) Phenanthrene	8.647	178	1633970	44.88	ppb		99
78) Anthracene	8.711	178	1646512	46.66	ppb		99
79) Carbazole	8.941	167	1763889	48.26	ppb		98
80) Di-n-butylphthalate	9.432	149	2045930	56.98	ppb		98
81) Fluoranthene	10.207	202	1740925	49.11	ppb		89
82) Octadecane	8.562	57	909151	52.89	ppb		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 16:26:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 15 13:03:48 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.517	202	1832091	47.38	ppb	90
85) Butyl stearate	11.698	56	524174	50.21	ppb	97
87) Butylbenzylphthalate	11.548	149	892164	57.21	ppb	95
88) Benzo[a]anthracene	12.285	228	1626818	46.64	ppb	99
89) 3,3'-Dichlorobenzidine	12.296	252	601879	52.49	ppb	98
90) Chrysene	12.344	228	1433709	41.41	ppb	98
91) bis(2-Ethylhexyl)phtha...	12.451	149	1134289	53.55	ppb	95
93) Di-n-octylphthalate	13.407	149	1885141	70.85	ppb	95
94) Benzo[b]fluoranthene	13.840	252	1459027	65.39	ppb	96
95) Benzo[k]fluoranthene	13.877	252	1161796	50.41	ppb	95
96) Benzo[a]pyrene	14.267	252	1012526	51.08	ppb	94
97) Indeno[1,2,3-cd]pyrene	15.720	276	843274	44.10	ppb	85
98) Dibenz(a,h)acridine	15.416	279	838163	45.02	ppb	98
99) Dibenz[a,h]anthracene	15.747	278	811949	40.27	ppb	93
100) 7,12-Dimethylbenz(a)an...	13.840	256	665162	76.54	ppb	94
101) Benzo[g,h,i]perylene	16.094	276	761328	38.22	ppb	89

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

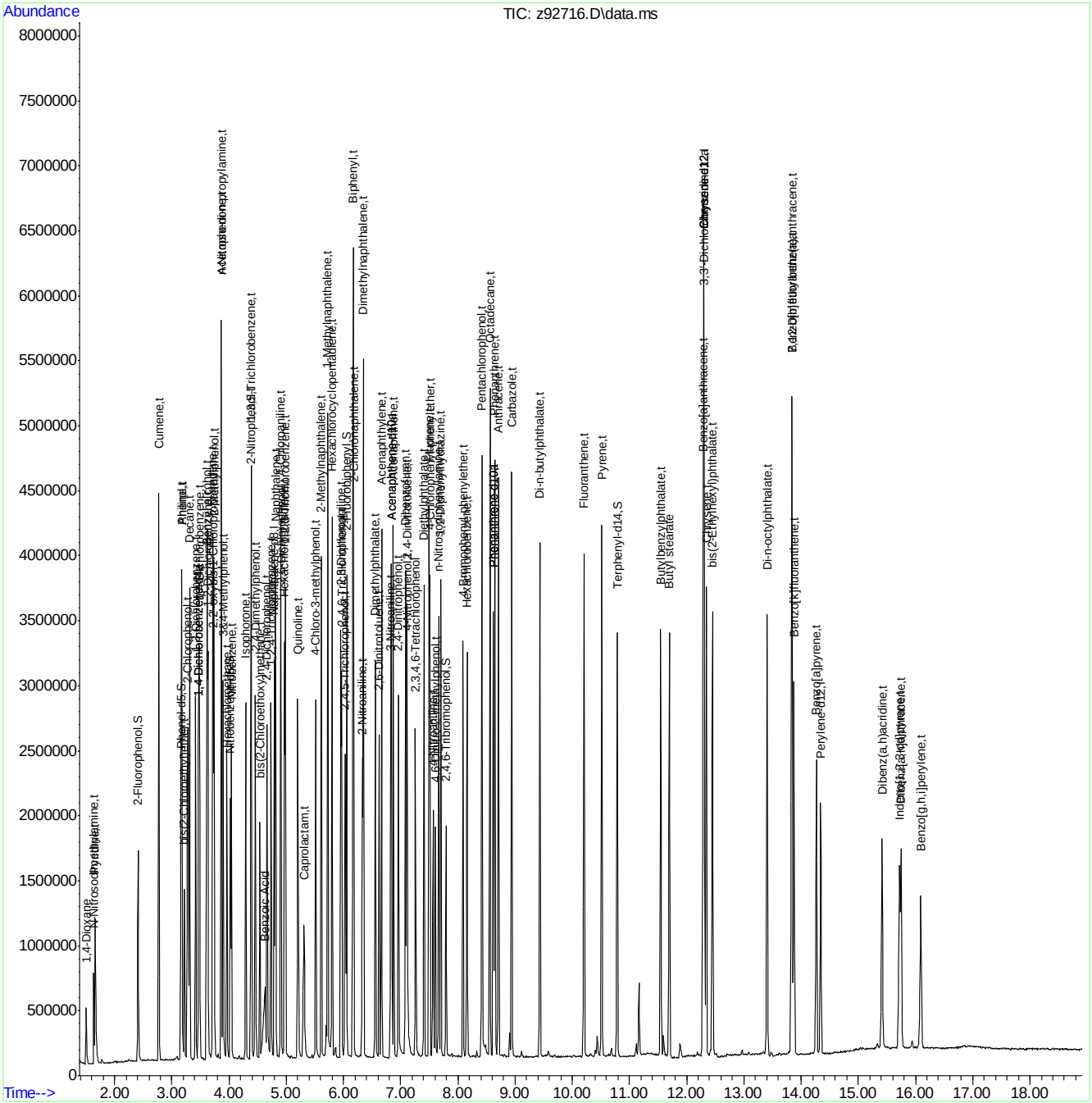
9.6.74

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 16:26:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sun Jun 15 13:03:48 2014
Response via : Initial Calibration



Manual Integration Approval Summary

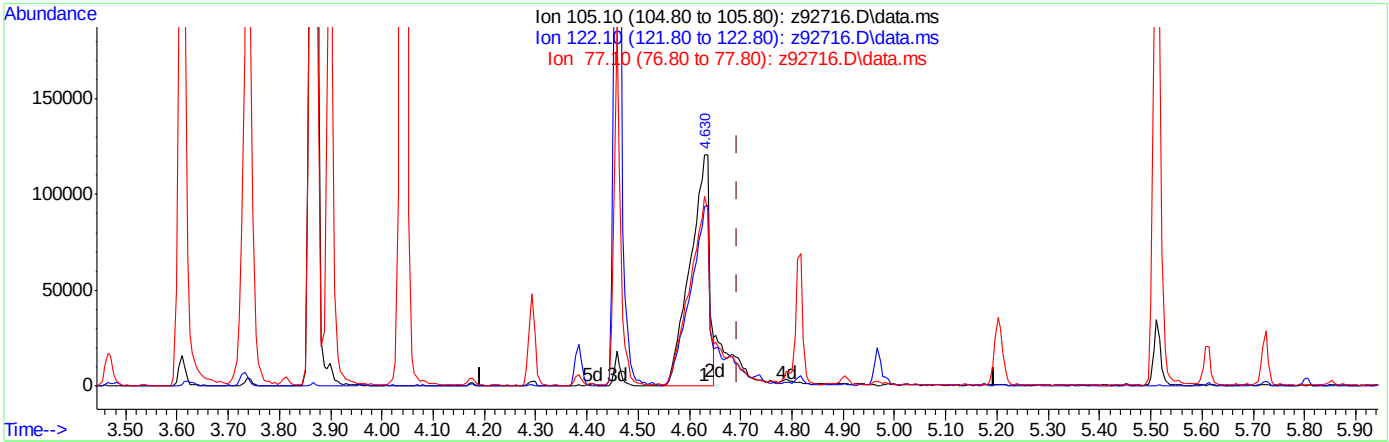
Sample Number:	EZ4606-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92716.D	**Analyst approved:**	06/18/14 17:03 Ashley Royal
Injection Time:	06/18/14 10:15	**Supervisor approved:**	06/19/14 14:00 Cheng-Hwan Ao

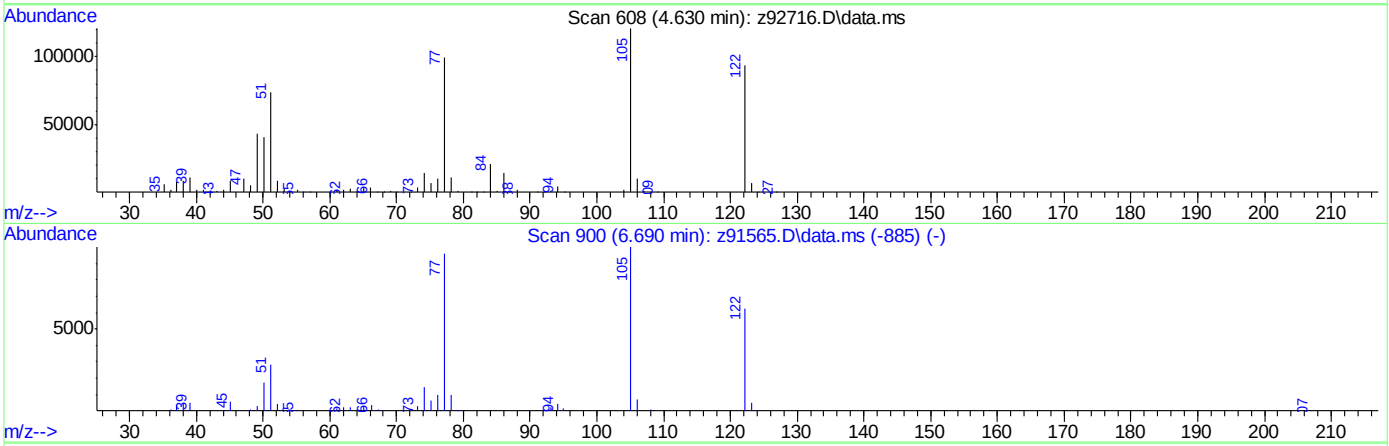
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.63	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 10:35:55 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





TIC: z92716.D\data.ms

(31) Benzoic Acid

4.630min (-0.064) 63.52ppb

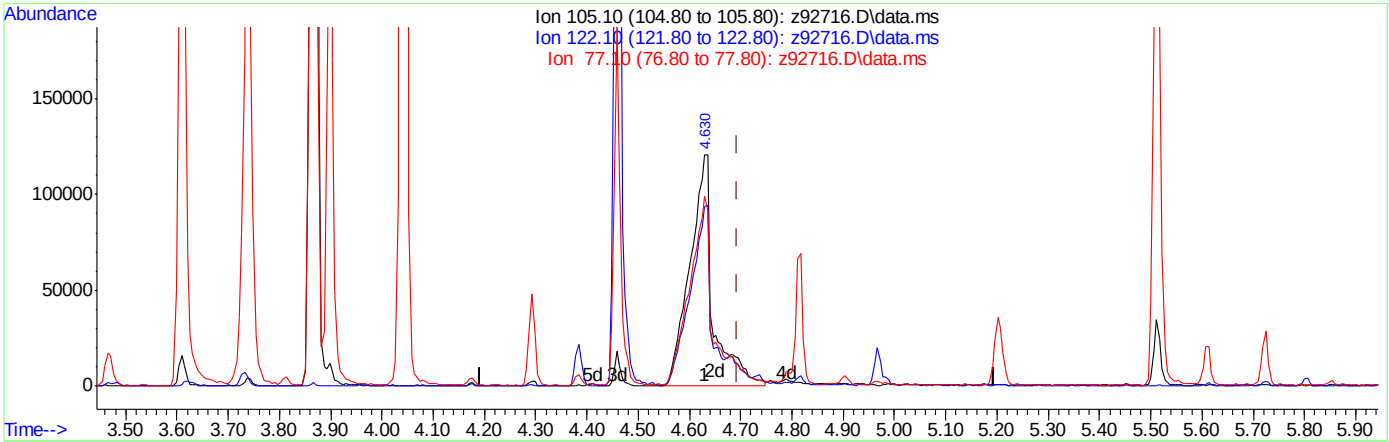
response 313464

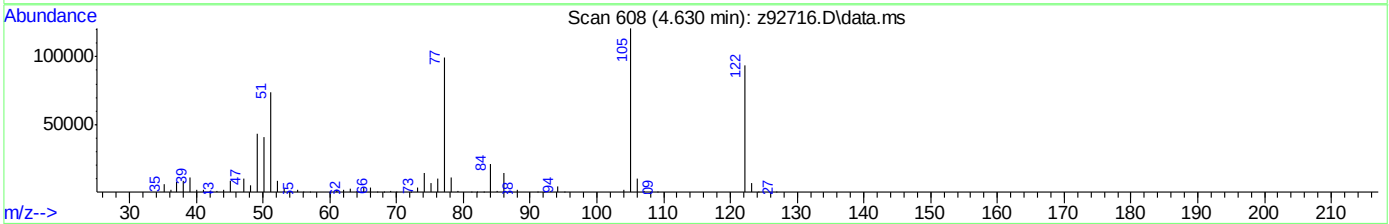
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	76.83#
77.10	33.90	80.88#
0.00	0.00	0.00

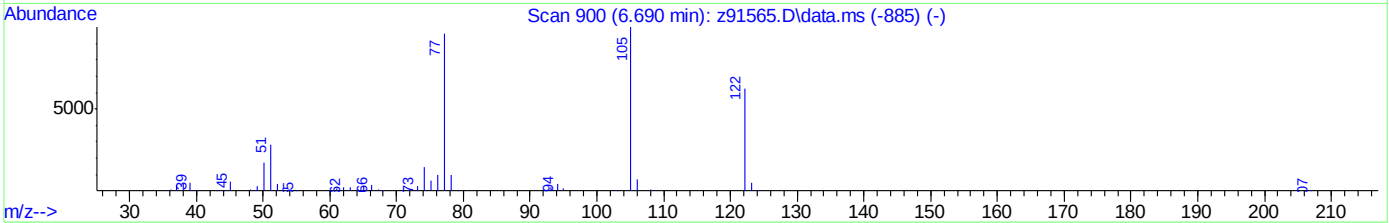
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92716.D
Acq On : 18 Jun 2014 10:15 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 10:35:55 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







TIC: z92716.D\data.ms

(31) Benzoic Acid

4.630min (-0.064) 78.26ppb m

response 386187

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	62.36#
77.10	33.90	65.65#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92718.D
Acq On : 18 Jun 2014 11:10 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 15:28:43 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:28:03 2014
Response via : Initial Calibration

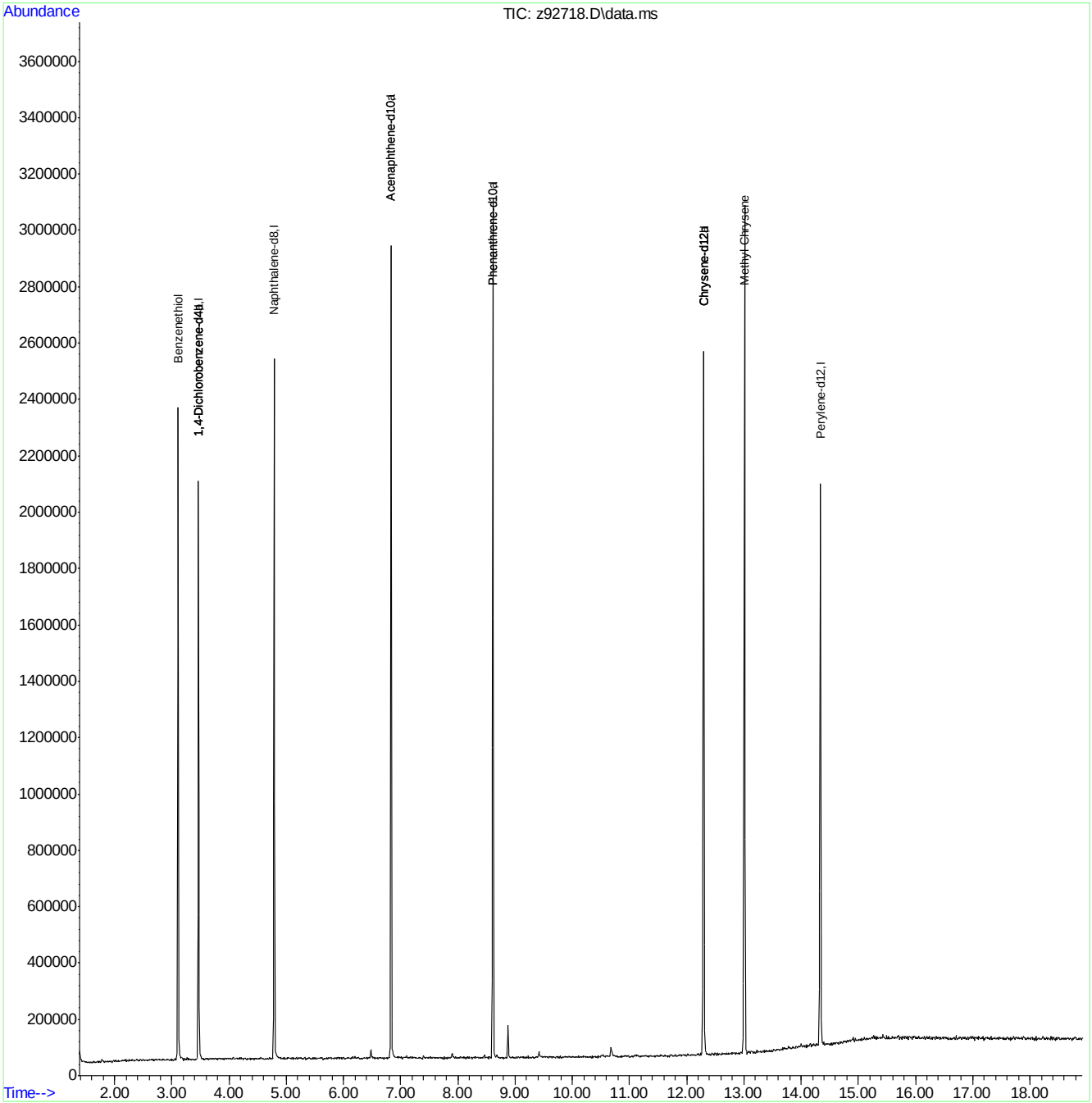
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.465	152	253082	40.00	ppb	0.00
24) Naphthalene-d8	4.790	136	1030620	40.00	ppb	0.00
47) Acenaphthene-d10	6.831	164	617899	40.00	ppb	0.00
69) Phenanthrene-d10	8.615	188	1059253	40.00	ppb	0.00
83) Chrysene-d12	12.296	240	1061515	40.00	ppb	0.00
92) Perylene-d12	14.337	264	797839	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.465	152	253082	40.00	ppb	0.00
104) Phenanthrene-d10a	8.615	188	1059253	40.00	ppb	0.00
106) Chrysene-d12a	12.296	240	1061515	40.00	ppb	0.00
108) Acenaphthene-d10a	6.831	164	617899	40.00	ppb	0.00
110) 1,4-Dichlorobenzene-d4b	3.465	152	253082	40.00	ppb	0.00
112) Chrysene-d12b	12.296	240	1061515	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
111) Benzenethiol	3.107	110	489586	44.42	ppb	99
113) Methyl Chrysene	13.012	242	1033543	51.74	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92718.D
Acq On : 18 Jun 2014 11:10 am
Operator : ashleyv
Sample : cc4569-50
Misc : op75490,ez4606
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 15:28:43 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 19 15:28:03 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92729.D
Acq On : 18 Jun 2014 12:26 pm
Operator : ashleyv
Sample : cc4571-50
Misc : op75490,ez4606
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 16:29:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 18 16:28:29 2014
Response via : Initial Calibration

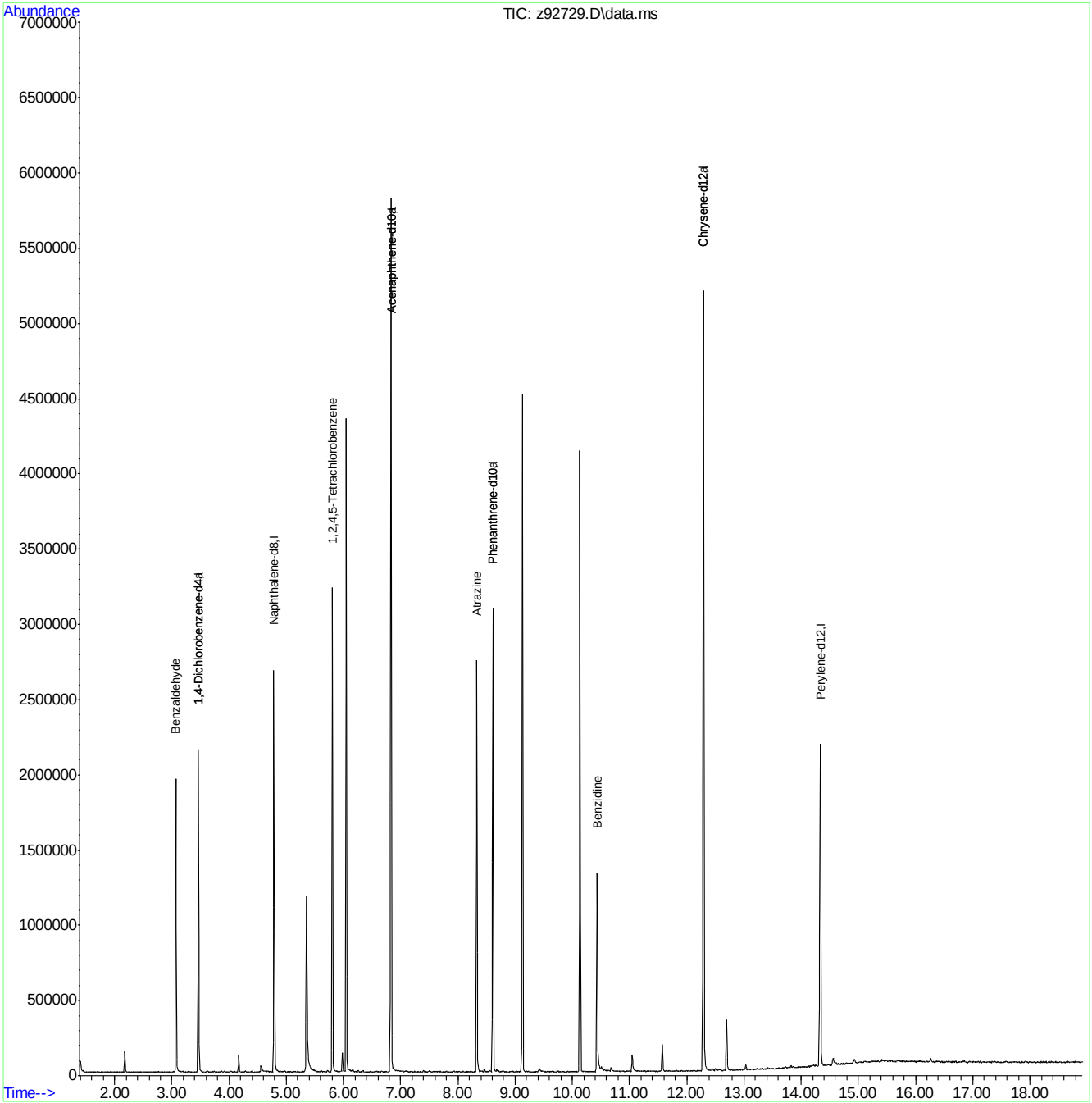
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.465	152	279780	40.00	ppb	0.00
24) Naphthalene-d8	4.785	136	1130332	40.00	ppb	0.00
47) Acenaphthene-d10	6.836	164	682122	40.00	ppb	0.00
69) Phenanthrene-d10	8.615	188	1130804	40.00	ppb	0.00
83) Chrysene-d12	12.291	240	1157540	40.00	ppb	0.00
92) Perylene-d12	14.337	264	953723	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.465	152	279780	40.00	ppb	0.00
104) Phenanthrene-d10a	8.615	188	1130804	40.00	ppb	0.00
106) Chrysene-d12a	12.291	240	1157540	40.00	ppb	0.00
108) Acenaphthene-d10a	6.836	164	682122	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.070	105	277107	42.19	ppb	# 82
105) Atrazine	8.337	215	151890	57.58	ppb	# 83
107) Benzidine	10.437	184	554567	46.67	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.810	216	462176	56.12	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4606\
Data File : z92729.D
Acq On : 18 Jun 2014 12:26 pm
Operator : ashleyv
Sample : cc4571-50
Misc : op75490,ez4606
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 16:29:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 18 16:28:29 2014
Response via : Initial Calibration



ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1389

Date: 6/6/14

Analyst Signature: Sam D Patel

Columns: RTXSmsi 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.
SV1413621191	DFTPP	50 ppm
SV1413621151A	BNA	100 ppm
SV1413621161B	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
	3P32431	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					"	SV1413621151A
	435	IC 1389-1.0			W	3					"	SV1413621161B
	436	IC 1389-80			W	4					"	SV1413621151B
	437	IC 1389-50			W	5					"	SV1414191 2A
	438	IC 1389-25			W	6					"	SV1414191 2B
	439	IC 1389-10			W	7					"	SV1413621151E
	440	IC 1389-2			W	8					"	SV1413621161C
	441	IC 1389-5			W	9					"	SV1413621151F

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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9.7.1

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	10						SV1413624 1362 136A sp 6/6/14
	444	IC 1390-80			W	11						SV14 1362 136B
	445	IC1390-50			W	12						SV141362 80C
	446	IC1390-25			W	13						SV14136 2 80D
	447	IC 1390-10			W	14						SV14136 2 136E
	448	IC1390-5			W	15						SV14136 2 136F
	449	IC1390-2			W	16						SV14 1362 136G
	450	IC 1390-1			W	17						SV14 1362 136 H
sp 6/6/14	451	ICV 1389 ~~1390~~ 50	Acid		W	18						OP sp 6/9/14 SV14 117788
	452	ICV 1389 ~~1390~~ 50	BN1		W	19						SV OP14 1177-17
	453	ICV 1389 ~~1390~~ 50	BN2		W	20						OP 141177-63
	454	ICV 1389 ~~1390~~ 50	Surrogate		W	21						OP1411 7733
	455	ICV 1389 ~~1390~~ 50	Aniline		W	22						OP 14117761
	456	ICV 1389 ~~1390~~ 50	Benzidine 3rd Source		W	23						SV14 1362 72B
	457	ICV 1390-50	HQ 2nd Source		W	24						OP 1411 30141

[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

9.7.2 9

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.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1394

Date: 6/10/14

Analyst Signature: James B Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621 19	DFTPP	50ppm
SV1414191 2A	BNA	50ppm
SV1414191 9A	TCL42	50ppm
CK2933	Internal Standard	4000ppm
DK541	DCM(HW)	—

Columns: RTX5MS 30m x .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: 6/12/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32510	DFTPP			W	1					not using	↑PCP tailing - Reinstall
	511	DFTPP			W	1					not using	↑PCP tailing - Reinstall
	512	DFTPP			W	1					OK	10:00 AM
	513	CC1389-50.0		BNA	W	2					OK	
	514	CC1390-50.0		TCL42	W	3					OK	
	515	CC1390-1		TCL42	W	4					OK	SV1413621-80H
	516	OP75383-MB1	75383-1	ABB270+	S	5		+	/	\	OK	BIS Phthalate.
	517	-BS1			S	6			/	\	OK	
	518	OP75312-MB1	75312-1	AB8270	W	7			All ↓		not using	Internal Standard not added
	519	JB68592-15	75383-1	ABTCL20+ + Benzyl Alcs	S	8		+	/	\	OK	
	520	-20			S	9		+	/	\	OK	
	521	-10			S	10		+	/	\	OK	Phthalate.
	522	-5			S	11	2	+	/	\	OK	
	523	-25			S	12	2	+	/	1	OK	Rep
	524	JB68594-7AA		NBTCL20+	S	13			/	/	OK	
	525	OP75312-MB1		AB8270	W	7	SP 6/14/14		M	✓	OK	Internal Standard double spike

(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.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1402

Date: 6-15-2014

Analyst Signature: EH

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621 19	DFTPP	50 ppm
SV1414191 2A	BDH	50 ppm
SV1414191 9A	TC142	50 ppm
CK2933	Internal Std	4000 ppm
DK047	DCM (HW)	—

Columns: RTX 5MS 30m x .25mm x .25µm

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: 6/16/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32721	DFTPP			W	1					not using	PCP1, reinject
	32722	DFTPP			W	1					↓	PCP1, reinstall
	32723	DFTPP			W	1					↓	631, PCP1, reinject
	32724	DFTPP			W	1					ok	9:55am
	32725	CC1389-50		BDH	W	2					ok	
	32726	CC1390-50		TC142	W	3					ok	beard ↓
	32727	JB67576-K	753831	ABTCL14	S	4		X	/	/	ok	
	32728	JB68314-B	753771	ABTCL42	S	5	2	X	/	/	ok	
	32729	-14				6	20		/	/	ok	
	32730	-16				7	5		/	/	ok	
	32731	JB68458-1	753834	~~ABTCL20 BH~~ ABTCL20A	S	8			5.6 X	/	ok	Reanch
	32732	-2				9			/	/	ok	
	32733	-5				10			/	/	ok	
	32734	-6				11			1.5 6X	/	ok	Reanch
	32735	JB68432-18	753831	ABTCL20+	S	12	2	X	/	/	ok	dil due to matrix int RR1.40
	32736	-19				~~B~~ 13 BH	2	X	/	/	ok	↓ RR1.40
	32737	JB68432-20				14		X	/	/	ok	VF=5mL

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1402

Date: 6-15-2014

Analyst Signature: EH

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
same as page		
	#5	

Columns: RTX MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M2P1389

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
	3P32738	JB68432-21	75383-1	ABTCL20+	S	15		X	16x	/	dk	Vf=5ml Reanch
	32739	-22				16		X	All x	/	dk	Reanl:2 dil
	32740	-23				17	2	X	16 x	/	dk	dil due to matrix RRL:40
	32741	-24				18	2	X	/	/	dk	↓ RRL:100
	32742	-25				19			/		Not sig	Reanl:100
	32743	-26				20		X	/	/	dk	
	32744	OP75383-MS	75383-1	AB8270	S	21	2		/	/	dk	dil due to matrix
	32745	MSD				22	2		x	/	dk	↓ 9:12pq

[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.

7

ll strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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ev. Date: 1/16/2006

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1403

Date: 6/16/14

Analyst Signature: Sanket Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1414362119	DFTPP	50 ppm
SV1414191213	BNA	25 ppm
SV1414191913	TCL42	25 ppm
	Benzidine verf	1 ppm
DK547	DCM (HW)	/
BK2933	Internal Standard	4000 ppm

Columns: RTX5ms 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: 6-17-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	SP32746	DFTPP			W	1					Not Using	Blocked RCT - Reinstall Reinject ion Ratios not passing
	32747	DFTPP			W	1					Not Using	RCT Reinstall
	32748	DFTPP			W	1					Not Using	Benzidine verf - Reinject
	32749	DFTPP			W	1					Not Using	ion Ratios not passing - Reinject
	32750	DFTPP			W	1					Not Using	PFP not passing - Reinject
	32751	DFTPP			W	1					OK	9:42 AM
	32752	CC1385-25		BNA	W	2					OK	
	753	CC1390-25		TCL42	W	3					OK	
	754	Benzidine verf			W	4					OK	
	755	JB68739-1	75533-1	ABTCL20+	W	5		+	/	/	OK	
	756	-2			W	6		+	/	/	OK	
	757	JB68695-6		ABNJTCL20+	W	7		+	/	/	OK	
	758	-7			W	8		+	/	/	OK	
	759	JB68753-1	75516-1	PAH	S	9			/	/	OK	
	760	-2			S	10			/	/	OK	
	761	-4			S	11			/	2J	OK	sent to rx
	762	-6			S	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.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1403

Date: 6/16/14

Analyst Signature: Jamin B Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see pg 9	

Columns: RTXSMSi 30m x .25mm x .25µm

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: 6-17-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P 32763	JB68753-7	75516-1	PAH	S	13			/	/	OK	
	764	-3			S	14			/	/	OK	
	765	-5			S	15			/	↑	OK	RR 1:5 sent to ex.
	766	JB68760-11a		ABTCL20+	S	16		+	/	/	OK	
	767	-12a			S	17		+	/	/	OK	
	768	JB68432-25	75383-1	ABTCL20+	S	18		+	/	\	OK	
R	769	JB68611-2A	75367-2	ABSPLPNJTCL 11+	W	19	5		/	AT	OK	
R	770	JB68432-22	75383-1	ABTCL20+	S	20	2		/	\	OK	
R	771	-18			S	21	40		/	\	OK	
R	772	-19			S	22	40		/	\	OK	
R	773	-23			S	23	40		/	\	OK	
R	774	-24			S	24	100		/	\	OK	
	775	JB68458-1		ABTCL20	S	25			/	\	OK	
	776	-6			S	26			/	\	OK	
	777	JB68432-21		ABTCL20+	S	27		+	/	\	OK	
	778	OP75377-MSD	75377-1	AB8270	S	28			/	\	OK	9:05 PM

MTX = Matrix . ~~Designate W for water~~, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

11 ANO

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.6

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ 4569

Date: 5-24-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc
SV1412149	DFTPP	50ppm
CK2933	I.S.	400ppm
DK 237	DCM-1kg	(4ml)

Columns: RTX 5ms 30m .25mm .25u

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5-28-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
Z91825	DFTPP			W	1					OK	10:37 am
826	ic 4569-100		BNA		2					OK	" SV1413621 15
827	-80				3					OK	" -115
828	-2				4					OK	" -115
829	ic 4569-50				5					OK	" -138B
830	ic 4569-25				6					OK	" -138C
831	-1				7					OK	" -115
832	-5				8					OK	" -115
833	-10				9					OK	" -115
Z91825a	DFTPP				1					not using	Run by mistake

MX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

5/27/14

mple volume/weight used and final volumes refer to extraction log.

85

l strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
v. Date: 1/16/2006

9.7.7

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4571

Date: 5-27-14

Analyst Signature: AR

Columns: Rtx+MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4569

Injection Volume: 1.0 uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-118	DFTPP	50ppm

AR 5/28/14

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5.28.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	29\850	DFTPP				1					OK	
	851	ICV4571-100		TCL42		2					OK	SV141362-136A
	852	-80				3					OK	136B
	853	ICV4571-50				4					OK	SV141362-86A
	854	ICV4571-25				5					OK	SV14-1419-5B
	855	-10				6					OK	SV141362-136E
	856	-5				7					OK	SV141362-136F
	857	-2				8					OK	136G
	858	-1				9					OK	136H
	859	ICV4569-50		acid		10					not using	op14-1171-29 60,70
	860	-50		BN1		11					OK	op141177-17
	861	-50		BN2		12					OK	op141177-42
	862	-50		aniline		13					OK	op141177-61
	863	-50		benzidine		14					OK	report 89 SV141362-72B
	864	-50		surr		15					OK	op141177-33
	865	-50		HQ		16					OK	op141177-41
	866	-50		Acid		17					NOT USING	OP141177-44 60 ↓ area OK reinstall instrument

TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

AR 5/28/14

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: EZ4572

Date: 5-27-14

Analyst Signature: AMO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV13D28243	DFTPP	50ppm
OK2933	Internal Std.	4000ppm
DK5417	DCM(HW)	—

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 5-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z9 18167	DFTPP				1					OK	
	91868 (AMO 5/27 ②)	ICV4569-50		BNA acid	W	2					OK	SV1417744 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.

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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

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4590

Date: 6/9/19

Analyst Signature: AWD

Columns: RTX-5MS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method MZ9569

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SVM136218	DFTPP	50ppm
SVM136238	BNA	50ppm
SV9B61137	TCL12	50ppm
CK2933	Internal Std.	40000ppm
DKS97	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: _____ Date: 6-12-19

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	z92309	DFTPP				1					OK	10:12 pm
	92314 AWD 6/9/19	CC5769-50		BNA	W	2					OK	2,10↓ 54,61,63,73,87,91↑
	92315	CC5775-50		TCL12	W	3					OK	
	92316	Dnvert		verification	W	4					OK	SVM136249 1ppm
	17	OP75937-mb1	75937	ABSTD	W	5		+			OK	
	18	-bs1				6					OK	
	19	JB68678-1		ABNTCL20+		7		+			OK	
	20	-2				8					OK	BIS 2E J value
	21	-3				9					9	
	22	JB68679-1		ABNTCL1H		10		x			OK	
	23	-2				11		x			OK	
	29	JB68901-2		ABNTCL20+		12					RR	BIS 2E
	25	-3				13					RR	BIS 2E
	26	-4				14		+			OK	
	27	JB68904-2		ABTCL1+NJ		15		x			OK	
	28	-3				16		x			OK	
	29	-4				17		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.

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

9.7.10

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4590

Date: 6/9/14

Analyst Signature: AMO

Columns: 1ZTX5MS30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method MT9569

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 161	

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: 6/24

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	297330	JB68314-29	754371	ABTCL42	W	18			/	/	dt	
	31	JB68400-1A		ABTCL20T		19		x/	/	/	dt	
	32	JB68458-4		ABTCL20		20			/	/	dt	
	33	JB68732-1		ABNTCL20T		21		+/	/	/	dt	
	34	-2		↓		22		+/	/	/	dt	
	35	-3				23		+/	/	/	dt	7:39 am

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate

JR 6/10/14

Sample volume/weight used and final volumes refer to extraction log.

163

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: EZ4596

6-12-(3)4 OA

Analyst Signature: OA

Standard Data

ot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	SOFUP	50ppm
CK2933	IS	4000ppm
OK 847	DCM MW	

Columns: MX-5MS 30m x0.25mmx0.25µm

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1µl

nually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply h the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-12-24

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
											4:59 PM
-92458	SOFUP			W	1					OK	
92459	IC4596-100		SKR		2					OK	SV141419-25A
92460	IC4596-80				3					OK	-25B
92461	IC4596-50				4					OK	-25C
92462	IC4596-25				5					OK	-25D
92463	IC4596-10				6					OK	-25E
92464	IC4596-5				7					OK	-25F
92465	IC4596-2				8					OK	-25G
92466	IC4596-1				9					OK	-25H
92467	IC4596-50				10					OK	OP13-1083-135

TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

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mple volume/weight used and final volumes refer to extraction log.

ll strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
ev. Date: 1/16/2006

9.7.11

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4597

Date: 6-12-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU4126214	DSTPP	5000 ppm
-138	BNA	↓
-137	TCL42	↓
SU4141999-25	Skinner	↓
CC4933	IS	4000 ppm
DC547	DCM	4000 ppm

Columns: RTX-5MS 30m x .25mm x .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: OA Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z 92468	DSTPP			W	1					OK	10:20 pm
	92469	CC4569-50		BNA		2					OK	7-12
	92470	CC4571-50		TCL42.		3					OK	
	92471	CC 4596-50		Skinner		4					OK	
	92472	Op 75490-MW	75490	ABN + Skinner	W	5			✓	✓	OK	
	473	-BS1				6			✓	✓	OK	
	474	-BS13				7			✓	✓	OK	
	475	Op 75437-BS13	75437	ABN+	W	8			✓	✓	OK	
	476	MS				9			✓	✓	OK	
	477	MSD				10			✓	✓	OK	
	478	Op 75490-MS	75490	ABN	W	11			✓	✓	OK	
	479	-MSD				12			✓	✓	OK	
	480	JB68667-11	75437-1	Skinner	W	13			✓	✓	OK	
	481	JB68401-1		ABTCL 20		14		+	✓	✓	OK	
	482	-2				15		+	✓	✓	OK	
	483	-3				16		+	✓	✓	OK	
	484	JB68547-6A	75490	ABTCL11 +	W	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.

185

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.12

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4597

Date: 6/12-14

Analyst Signature: AB

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 18b	

Columns: RTX5MS30M, 25m, 25u

Method 8270/625

Initial Cal. Method EZ4569

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: QA Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92485	JB68667-5A	75490	Skimmer	W	18			✓	✓	OK	B
	486	JB68667-2				19			✓	✓	OK	XL
	487	-4				20			✓	✓	OK	XL
	488	-12				21			✓	✓	OK	B
	489	-15				22			✓	✓	OK	
	490	-1A				23			✓	✓	OK	
	491	-3A				24			✓	✓	OK	
	492	-6				25			✓	✓	OK	XH
	493	8				26			✓	✓	OK	XH B
	494	10				27			✓	✓	OK	XH B
	495	-13				28			✓	✓	OK	
	496	-14				29			✓	✓	OK	10:08 am

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.12

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4606

Date: 6/18/14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362 119	DFTPP	50ppm
SV141362-114	BNA	50ppm
SV141362 137a	TCL42	
SV141419-26c	SKNR	↓
CC42933	IS	4000ppm
DMS47	DCM/HW	

Columns: RTX5MS 30mx.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: AB Date: 6-19-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92714	DFTPP				1					ok	916
	715	CC4569-50		BNA		2					not using	Redo 6/18/14 AR ok SV141419-26a
	716	CC4569-50		BNA		3					ok	2/1 ↓ 39, 101 54, 61, 94 ↑
	~~716-717~~	AR 6/18/14 BN1 verif.				4					NOT RUN	
	717	AR 6/18/14 CC4571-50		TCL42		4					not using	wrong vial
	718	CC4569-50		SKNR		5					ok	
	719	BN2 verif.				6					ok	1ppm SV141362-49
	720	BN1 verif.				7					ok	
	721	0P75437-mb1	75437	SKNR ~~75437~~ AR 6/18/14		8			/	/	ok	
	722	0P75676-mb1	75676		W	9			/	/	ok	
	723	-bs1				10			/	/	ok	Rx BS Low outliers 3:3 ok
	724	jb67923-1a	75561	LS17/LB39	W	11	10		/		not needed	
	725	-2				12	10		/			
	726	-4		TCL11+ ABSPLRW		13	10		/			
	727	-5				14	10		/			
	728	-7				15	10		/		↓	
	729	CC4571-50		TCL42		4					ok	atrazine↑ Ran after Z92720

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

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4606

Date: 6/18/14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see pg 17	

Columns: Rtx5MSi 30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method ME4569

Injection Volume: 1.0µL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6/9-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z92730	jb68912+13R	75524	EPH	S	16	2		5L	/	OK	Ran after Z9725 ↓ CFI
	731	jb68912-6R				17	2		5L	/	OK	↓ CFI
	732	jb69076-6a	75580	ABTCL20 +BZALC	S	18			5L	/	OK	Running after Z 92731 not using 94,101 hits
	733	jb69140-1	75638	ABTCL20+	S	19	10		5L		OK	~~Compounds Reported~~ per 6/18/14
	734	jb69141-1				20	10		L		OK	↓
	735	jb68661-1	75554	ABTCL20+	W	21		+	/		OK	
	736	-2				22		+	/		OK	
	737	-3				23		+	/		OK	
	738	jb68901-1a		ABPPL+BACD		24			4,5 6L		RR	RR 1:10, straight
	739	jb68901-2a				25			/		OK	
	740	jb69032-1	75676			26			/		RR	PAH hits @ 94,101 RR under better check
		~~jb69360-20~~	~~A 6/18/14~~			27					not RUN	not RUN (too many)
	741	JB68027-10	75638		S	29	500		X		OK	7:16pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

AS 6/19/14

Sample volume/weight used and final volumes refer to extraction log.

19

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.13

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Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH #	RACK #
MS75383	C-15 ashley

C-15

Date started: 06/09/14 Time started: 10:45 AM
Date finished: 06/09/14 Time finished: 5:30 PM

EXTRACTION METHOD: (Check one): Microwave SW3546 ____ Waste Dil. SW3580A ____ Sonication SW3550C ✓ Soxhlet SW3540C ____

Ext By:	Fn, As, ms	
Conc By:	As, ms, AP, Fn	
Vialed By:	Fn, ms, RD	
Relinquished by:		
Accepted by:		
Supervisor Review:	6-9-14	

	Sample #		Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup	Comments
		BS	ABN		Na2SO4	35.0				yellow	1		
	JB68432-18	MS		1	Soil	33.5			/	Brown	1		
		MSD		1	Soil	31.8			/	Brown	1		
	MB1	~~BS~~			Na2SO4	35.0				Clear	1		
		MS											
		MSD											
1	JB68432-18		ABN	1	soil	33.[illegible]			/	black	1		
2	-19			1	Soil	31.9			/	brown	1		
3	-20			1	Soil	31.5			/	black	5		*
4	-21			1	Soil	31.5			/	black	5		*
5	-22			1	Soil	32.0			/	black	1		
6	-23			1	Soil	34.7			/	black	1		
7	-24			1	mud	32.5			/	brown	1		
8	-25			1	mud	32.0			/	Brown	1		
9	-26			1	mud	33.0			/	brown	1		
10	JB68458-1			1	Mud	34.0			/	brown	1		
11	-2			1	Mud	32.0			/	yellow	1		
12	-5			1	Mud	34.8			/	brown	1		
13	-6			1	Mud	32.5			/	brown	1		
14	JB68592-5			1	Soil	34.2			/	brown	1		
15	-10			1	Soil	34.4			/	brown	1		
16	-15			1	Soil	33.6			/	brown	1		
17	-20			1	Soil	33.6			/	brown	1		
18	-25			1	Soil	31.7			/	brown	1		
19	JB67576-15R			1	Soil	31.9			/	clear	1		
20	JB68594-74A			1	Soil	32.3			/	[illegible]	1		

Equipment	ID	Temp	Pres
WaterBath	5	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN	14117781	50	1

WITNESS SIGN: SA

MATRIX SPIKE	LOT #	Conc	Amt
Acid	14117788	50	1
Base #1 w/out anilines	14117786	50	1
Base #2	14117763	50	1
Anilines	14117797	50	1

WITNESS SIGN: SA

SOLVENT	LOT #	BRAND
1:1 MC/ACE	DK547/DK520	HW
METH CHLOR	DK547	HW

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	Fc010370	Fisher
HYDROMATRIX		

Comments: * Sample was raised to 5 mL due to ~~diff~~ (error AS 6/9/14) failure to concentrate.

Form: OP019A-01
Rev. Date: 04/09/13

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See back for instructions

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 06/09/14 Time Started: 10:30A

Date Finished: 06/09/14 Time Finished: 18:00

BATCH # MS75437 RACK# C20

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C_____

Sample #	Analysis Type (B270)	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	HSW			DI H2O	1000	1	4	clear	1		
BS 1				DI H2O	1000	1	4	Yellow	1		
JB68401-1 MS		1		clear	960	1	4	Yellow	1		
1 MSD		1		clear	950	1	4	Yellow	1		
BS 12	SOIL			DI H2O	1000	1	4	Yellow	1		
JB68678-1 MS A		1		clear	500	1	4	Yellow	1		
1 MSD A		1		clear	500	1	4	Yellow	1		
1 JB68667-11	HSW	1		Yellow	980	1	4	Yellow	1		
2 JB68678-1		2		Clear	1000	1	4	Yellow	1		
3 -2		1		Clear	1000	1	4	Yellow	1		
4 -3		2		Yellow	1000	1	4	Yellow	1		
5 JB68679-1		1		gray	1000	1	4	brown	1		
6 -2		2		Clear	1000	1	4	clear	1		
7 JB68401-1		2		Clear	900	1	4	Yellow	1		
8 -2		2		Clear	1000	1	4	clear	1		
9 -3		1		Clear	985	1	4	Yellow	1		
10 -4		2		Clear	960	1	4	Yellow	1		
11 JB68404-2		1		Clear	985	1	4	Clear	1		
12 -3		2		Yellow	960	1	4	Yellow	1		
13 -4		1		Yellow	910	1	4	Yellow	1		
14 JB68314-29		2		Clear	900	1	4	Yellow	1		
15 JB68400-1A		5		Clear	100	1	4	Clear	1		
16 JB68458-4		2		clear	890	1	4	Clear	1		
17 JB68732-1		4		Grey	1000	1	4	Clear	1		
18 2		4		Yellow	1000	1	4	Clear	1		
19 3		4		Clear	1000	1	4	Clear	1		
20 BS 13	SOIL			DI H2O	1000	1	4	clear	1		

COMMENTS:

See back for instructions

Ext By:	RLM/NG/SA/VP/BJ		
Conc by:	NG/VP		
Vialed by:	RM/VP		
Relinquished by:			
Accepted by:			
Supervisor review:	6/9/14		

Equipment	ID	Temp	Pres
Waterbath	2/3	80	N/A
NEVAP	1	35	N/A
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	14117070	50	1
Anilines	14112778	10	1
Witness Sign:	BJ		

Matrix Spike	Lot #	Conc	Amt
Acid	14112781	50	1
Base #1	14112786	50	1
Base #2	14112763	50	1
Witness Sign:	BJ		
BSin	14117746	10	1

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	0135247	HW	6/60

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
Filter Paper	7187	Fisher
Hydromatrix		
NaOH	21124	BDH
H_2SO_4	410237	BDH

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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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:27	MA34208-STD1	1		STDA
10:33	MA34208-STD2	1		STDB
10:40	ZZZZZZ	1		
10:46	ZZZZZZ	1		
10:52	ZZZZZZ	1		
11:02	MA34208-ICV1	1		
11:16	MA34208-ICB1	1		
11:21	MA34208-ICCV1	1		
11:38	MA34208-CCB1	1		
11:45	MA34208-CRID1	1		See rerun.
11:53	ZZZZZZ	1		
12:00	MA34208-CRID2	1		
12:06	MA34208-CRI1	1		
12:12	MA34208-CRIA1	1		
12:18	MA34208-ICSA1	1		
12:25	MA34208-ICSAB1	1		
12:31	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:44	MA34208-CCV1	1		
12:50	MA34208-CCB2	1		
12:59	MA34208-CRID3	1		
13:05	MP79919-B1	1		
13:11	MP79934-S1	1		Na=500ppm, S=200ppm
13:18	MP79934-S2	1		Na=500ppm, S=200ppm
13:24	JB68735-18	1		(sample used for QC only; not part of login JB68458)
13:30	MP79934-SD1	5		Na=500ppm, S=200ppm
13:36	MP79933-S1	1		
13:42	MP79933-S2	1		
13:49	JB68735-6	1		(sample used for QC only; not part of login JB68458)
13:55	MP79933-SD1	5		
14:01	MA34208-CCV2	1		
14:16	MA34208-CCB3	1		
14:23	MP79946-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	MP79946-LC1	1		
14:36	MP79946-B1	1		
14:42	ZZZZZZ	1		
14:48	MP79891-MB1	1		
14:54	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:06	MP79934-MB1	1		
15:13	MP79934-MB2	1		
15:19	MA34208-CCV3	1		
15:25	MA34208-CCB4	1		
15:31	MP79934-MB3	1		Tl neg. Batch to reanalysis for Be, CCB out.
15:38	MP79934-LC1	1		
15:44	MP79934-LC2	1		
15:50	MP79934-LC3	1		
15:56	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:27	MA34208-CCV4	1		
16:33	MA34208-CCB5	1		
16:44	MA34208-CCV5	1		
16:50	MA34208-CCB6	1		
16:57	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:54	MA34208-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:00	MA34208-CCB7	1		
18:06	MP79933-MB1	1		
18:12	MP79933-MB2	1		
18:19	MP79933-MB3	1		
18:25	MP79933-LC1	1		
18:31	MP79933-LC2	1		
18:37	MP79933-LC3	1		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	MA34208-CCV7	1		
19:08	MA34208-CCB8	1		
19:14	ZZZZZZ	1		
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:04	ZZZZZZ	1		
20:11	MA34208-CCV8	1		
20:17	MA34208-CCB9	1		
20:23	MA34208-CRI2	1		
20:29	MA34208-CRID4	1		
20:36	MA34208-CRIA2	1		
20:42	MA34208-ICSA2	1		
20:48	MA34208-ICSAB2	1		
20:54	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	MA34208-CCV9	1		
21:19	MA34208-CCB10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:03	MP79946-S1	1		
22:09	MP79946-S2	1		
22:15	JB68291-1	1		(sample used for QC only; not part of login JB68458)
22:22	MA34208-CCV10	1		
22:28	MA34208-CCB11	1		
22:34	MP79946-SD1	5		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:11	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:30	MA34208-CCV11	1		
23:36	MA34208-CCB12	1		
23:42	JB68458-1	1		Tl neg.
23:48	JB68458-2	1		Ag and Tl neg. (Fe close to 400ppm)
23:54	JB68458-5	1		Ag and Tl neg. (Fe close to 300ppm)
00:00	JB68458-6	1		Ag and Tl neg. (Fe close to 350ppm)
00:07	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:31	ZZZZZZ	1		
00:37	MA34208-CCV12	1		
00:43	MA34208-CCB13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:50	MP79919-MB1	1		
00:56	MP79919-LC1	1		
01:02	ZZZZZZ	1		
01:08	ZZZZZZ	1		
01:15	ZZZZZZ	1		
01:21	ZZZZZZ	1		
01:27	ZZZZZZ	1		
01:34	JB68458-4	1		
---------->	Last reportable sample/prep for job JB68458			
01:40	ZZZZZZ	1		
01:46	ZZZZZZ	1		
01:52	MA34208-CCV13	1		
01:58	MA34208-CCB14	1		
02:05	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:17	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:30	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:43	MP79945-MB1	1		Batch to reanalysis for Tl, CCB out.
02:49	MP79945-LC1	1		
02:55	MP79945-S1	1		
03:01	MP79945-S2	1		
03:07	MA34208-CCV14	1		
03:13	MA34208-CCB15	1		
03:20	JB68332-2FA	1		(sample used for QC only; not part of login JB68458)
03:26	MP79945-SD1	5		
03:32	ZZZZZZ	1		
03:39	ZZZZZZ	1		
03:45	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:03	ZZZZZZ	1		
04:10	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:16	ZZZZZZ	1		
04:22	MA34208-CCV15	1		
04:28	MA34208-CCB16	1		
04:34	MA34208-CRI3	1		
04:41	MA34208-CRID5	1		
04:47	MA34208-CRIA3	1		
04:53	ZZZZZZ	1		
05:00	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:19	ZZZZZZ	1		
05:25	MA34208-CCV16	1		Y3600 bad reading.
05:31	MA34208-CCB17	1		
---------->	Last reportable CCB for job JB68458			
05:37	ZZZZZZ	1		
05:43	ZZZZZZ	1		
05:50	ZZZZZZ	1		
05:56	ZZZZZZ	1		
06:02	ZZZZZZ	1		
06:09	ZZZZZZ	1		
06:15	MA34208-CCV17	1		
06:21	MA34208-CCB18	1		
06:27	ZZZZZZ	1		
06:34	ZZZZZZ	1		
06:40	ZZZZZZ	1		
06:46	MA34208-CCV18	1		
06:52	MA34208-CCB19	1		
06:59	MA34208-CRI4	1		
07:05	MA34208-CRID6	1		
07:11	MA34208-CRIA4	1		
07:17	MA34208-CCV19	1		
07:23	MA34208-CCB20	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:27	MA34208-STD1	2162 R	110850 R	15157 R	7114 R
10:33	MA34208-STD2	2013	101150	14865	6165
10:40	ZZZZZZ	2101	105780	14900	6462
10:46	ZZZZZZ	2162	110430	15392	7102
10:52	ZZZZZZ	2124	108220	14995	6886
11:02	MA34208-ICV1	2058	103450	15048	6344
11:16	MA34208-ICB1	2163	109070	15173	7103
11:21	MA34208-ICCV1	2083	104570	14958	6421
11:38	MA34208-CCB1	2175	110890	15214	7169
11:45	MA34208-CRID1	No results reported for the elements associated with this internal standard.			
11:53	ZZZZZZ	2146	110830	15292	7059
12:00	MA34208-CRID2	2160	109010	15153	7057
12:06	MA34208-CRI1	2130	107920	15122	6899
12:12	MA34208-CRIA1	2174	110680	15238	7127
12:18	MA34208-ICSA1	1907	95244	14466	5712
12:25	MA34208-ICSAB1	1883	95694	14711	5658
12:31	ZZZZZZ	2128	108530	15059	7100
12:37	ZZZZZZ	7962 !	337670 !	30990 !	24789 !
12:44	MA34208-CCV1	2061	104280	14852	6363
12:50	MA34208-CCB2	2162	109300	14989	7117
12:59	MA34208-CRID3	2163	110600	15101	7079
13:05	MP79919-B1	2095	107550	15175	6612
13:11	MP79934-S1	1903	96455	14623	5636
13:18	MP79934-S2	1912	97108	14808	5666
13:24	JB68735-18	1934	96453	14721	5704
13:30	MP79934-SD1	2093	104980	14958	6486
13:36	MP79933-S1	1957	98408	14807	5915
13:42	MP79933-S2	1971	99370	14709	5964
13:49	JB68735-6	1989	100110	14753	6072
13:55	MP79933-SD1	2101	105820	14994	6649
14:01	MA34208-CCV2	2083	104110	14842	6414
14:16	MA34208-CCB3	2182	111180	15111	7184
14:23	MP79946-MB1	2171	111780	15233	7168

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:30	MP79946-LC1	2162	108580	15546	6666
14:36	MP79946-B1	2107	108080	15091	6652
14:42	ZZZZZZ	2139	109020	15494	6470
14:48	MP79891-MB1	2170	111050	15194	7144
14:54	ZZZZZZ	2169	109400	15696	6497
15:00	ZZZZZZ	2127	108620	15225	6760
15:06	MP79934-MB1	2173	110960	15105	7129
15:13	MP79934-MB2	2167	111720	15121	7120
15:19	MA34208-CCV3	2096	105050	14951	6468
15:25	MA34208-CCB4	2185	112390	14951	7195
15:31	MP79934-MB3	2166	111090	15099	7125
15:38	MP79934-LC1	2141	109560	15077	6868
15:44	MP79934-LC2	2140	110900	15144	6884
15:50	MP79934-LC3	2132	108830	15013	6872
15:56	ZZZZZZ	2183	110370	15783	6604
16:02	ZZZZZZ	2011	101920	14855	6195
16:08	ZZZZZZ	2142	109400	15354	6500
16:14	ZZZZZZ	2047	103150	14848	6337
16:20	ZZZZZZ	2027	103190	14915	6386
16:27	MA34208-CCV4	2097	106530	14883	6482
16:33	MA34208-CCB5	2189	111910	15007	7201
16:44	MA34208-CCV5	2090	104880	14799	6452
16:50	MA34208-CCB6	2165	109820	14967	7144
16:57	ZZZZZZ	2000	100120	15081	5876
17:03	ZZZZZZ	1998	98774	14867	5835
17:09	ZZZZZZ	1973	97865	14767	5858
17:16	ZZZZZZ	2020	100470	14957	5939
17:22	ZZZZZZ	1998	101470	14776	6277
17:28	ZZZZZZ	2004	99024	15374	5642
17:35	ZZZZZZ	1965	96716	14689	5820
17:41	ZZZZZZ	1961	97706	14493	5787
17:47	ZZZZZZ	1962	97635	14642	5804
17:54	MA34208-CCV6	2104	104850	14807	6474

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:00	MA34208-CCB7	2188	112730	15019	7215
18:06	MP79933-MB1	2179	112400	15175	7171
18:12	MP79933-MB2	2162	111220	14985	7147
18:19	MP79933-MB3	2159	111180	14908	7117
18:25	MP79933-LC1	2154	110390	15061	6931
18:31	MP79933-LC2	2131	108940	14798	6893
18:37	MP79933-LC3	2134	109630	14816	6908
18:43	ZZZZZZ	2163	111630	15030	7033
18:49	ZZZZZZ	2063	104460	14819	6372
18:56	ZZZZZZ	2083	105080	14904	6443
19:02	MA34208-CCV7	2097	104710	14475	6464
19:08	MA34208-CCB8	2191	111650	14732	7194
19:14	ZZZZZZ	2059	104540	14778	6370
19:21	ZZZZZZ	2110	107060	14932	6645
19:27	ZZZZZZ	2029	102270	14712	6211
19:33	ZZZZZZ	2145	108680	14908	6851
19:39	ZZZZZZ	2056	103440	14562	6402
19:46	ZZZZZZ	2087	105230	14712	6545
19:52	ZZZZZZ	2064	104300	14846	6353
19:58	ZZZZZZ	2128	108370	14862	6812
20:04	ZZZZZZ	2023	102400	14673	6167
20:11	MA34208-CCV8	2100	106360	14633	6492
20:17	MA34208-CCB9	2179	112230	14792	7189
20:23	MA34208-CRI2	2158	109710	14682	7008
20:29	MA34208-CRID4	2174	111610	14737	7146
20:36	MA34208-CRIA2	2201	111530	14680	7245
20:42	MA34208-ICSA2	1915	95619	13989	5740
20:48	MA34208-ICSAB2	1907	95427	14028	5731
20:54	ZZZZZZ	2184	112190	14660	7200
21:01	ZZZZZZ	2183	112400	14529	7227
21:07	ZZZZZZ	2192	113310	14687	7238
21:13	MA34208-CCV9	2062	105530	14399	6367
21:19	MA34208-CCB10	2186	111790	14692	7188

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:26	ZZZZZZ	2099	106530	14699	6602
21:32	ZZZZZZ	2156	109730	14714	6993
21:38	ZZZZZZ	2068	105190	14577	6435
21:44	ZZZZZZ	2056	103020	14581	6313
21:51	ZZZZZZ	1983	100170	14449	6046
21:57	ZZZZZZ	2092	105470	14679	6568
22:03	MP79946-S1	2159	108500	14845	6687
22:09	MP79946-S2	2171	108280	14847	6709
22:15	JB68291-1	2199	111480	14883	6923
22:22	MA34208-CCV10	2101	104800	14421	6461
22:28	MA34208-CCB11	2204	111330	14700	7223
22:34	MP79946-SD1	2197	111770	14796	7114
22:40	ZZZZZZ	2204	110390	15191	6879
22:46	ZZZZZZ	2170	109000	15020	6740
22:52	ZZZZZZ	2216	111650	15379	6632
22:59	ZZZZZZ	2025	102930	14721	6030
23:05	ZZZZZZ	2041	102850	14598	5994
23:11	ZZZZZZ	2076	104700	14612	6196
23:17	ZZZZZZ	2215	111920	14840	7002
23:23	ZZZZZZ	2234	111140	14770	6999
23:30	MA34208-CCV11	2098	105500	14383	6477
23:36	MA34208-CCB12	2209	112180	14579	7249
23:42	JB68458-1	2244	112280	15516	6555
23:48	JB68458-2	2132	107050	14880	6701
23:54	JB68458-5	2246	112630	15505	6631
00:00	JB68458-6	2253	112560	15627	6660
00:07	ZZZZZZ	2276	114230	15305	6960
00:13	ZZZZZZ	2256	113450	15153	6963
00:19	ZZZZZZ	2260	114270	15200	6912
00:25	ZZZZZZ	2177	109400	14814	6859
00:31	ZZZZZZ	2197	110220	14852	6898
00:37	MA34208-CCV12	2107	105610	14402	6490
00:43	MA34208-CCB13	2205	111950	14492	7243

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:50	MP79919-MB1	2194	112600	14647	7228
00:56	MP79919-LC1	2160	109940	14545	6934
01:02	ZZZZZZ	2194	112650	14496	7223
01:08	ZZZZZZ	2194	112430	14528	7228
01:15	ZZZZZZ	2201	111840	14527	7254
01:21	ZZZZZZ	2191	112270	14589	7199
01:27	ZZZZZZ	2193	111900	14597	7207
01:34	JB68458-4	2204	112680	14659	7263
01:40	ZZZZZZ	2194	111760	14435	7206
01:46	ZZZZZZ	2186	112640	999999 !a	7185
01:52	MA34208-CCV13	2115	106210	14391	6517
01:58	MA34208-CCB14	2202	111780	14414	7237
02:05	ZZZZZZ	2213	111770	14644	7293
02:11	ZZZZZZ	2184	112560	14531	7208
02:17	ZZZZZZ	2187	112050	14617	7200
02:24	ZZZZZZ	2188	112270	14624	7205
02:30	ZZZZZZ	2211	112530	14583	7282
02:36	ZZZZZZ	2186	112110	14502	7213
02:43	MP79945-MB1	2198	112380	14550	7240
02:49	MP79945-LC1	2146	109710	14554	6906
02:55	MP79945-S1	1872	106600	15282	5902
03:01	MP79945-S2	1889	107290	15400	5949
03:07	MA34208-CCV14	2103	105480	14376	6487
03:13	MA34208-CCB15	2198	112460	14475	7233
03:20	JB68332-2FA	1904	107800	15338	6025
03:26	MP79945-SD1	2107	109840	15237	6714
03:32	ZZZZZZ	1926	96692	14035	5753
03:39	ZZZZZZ	2057	104350	14376	6380
03:45	ZZZZZZ	1992	100980	14222	6085
03:51	ZZZZZZ	2057	104750	14350	6411
03:57	ZZZZZZ	2082	105840	14360	6568
04:03	ZZZZZZ	2085	107180	14173	6582
04:10	ZZZZZZ	2059	104410	14266	6484

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:16	ZZZZZZ	1959	98490	14107	5882
04:22	MA34208-CCV15	2103	105380	14268	6489
04:28	MA34208-CCB16	2199	112070	14431	7245
04:34	MA34208-CRI3	2182	110270	14309	7074
04:41	MA34208-CRID5	2171	111590	14417	7102
04:47	MA34208-CRIA3	2206	111790	14925	7237
04:53	ZZZZZZ	2209	112270	14424	7252
05:00	ZZZZZZ	2219	112210	14444	7264
05:06	ZZZZZZ	2204	112390	14391	7223
05:12	ZZZZZZ	2199	112470	14367	7221
05:19	ZZZZZZ	2159	112140	14339	7234
05:25	MA34208-CCV16	2107	999999 !a	14169	6496
05:31	MA34208-CCB17	2208	112150	14360	7258
05:37	ZZZZZZ	1998	100350	14470	6110
05:43	ZZZZZZ	2213	112520	14790	7272
05:50	ZZZZZZ	2030	102160	14157	6234
05:56	ZZZZZZ	1986	102330	14185	6209
06:02	ZZZZZZ	1460 !a	106470	15210	5877
06:09	ZZZZZZ	1280 !a	105030	15247	5805
06:15	MA34208-CCV17	2133	106550	14201	6576
06:21	MA34208-CCB18	2226	112410	14427	7307
06:27	ZZZZZZ	1894	102820	14381	6140
06:34	ZZZZZZ	1525	99097	14314	5735
06:40	ZZZZZZ	1918	100030	14692	5641
06:46	MA34208-CCV18	2121	106260	14184	6555
06:52	MA34208-CCB19	2220	112630	14458	7302
06:59	MA34208-CRI4	2196	111130	14358	7118
07:05	MA34208-CRID6	2211	111310	14395	7224
07:11	MA34208-CRIA4	2236	112560	14492	7324
07:17	MA34208-CCV19	2123	105070	14173	6539
07:23	MA34208-CCB20	2217	112900	14434	7334

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34208
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

Istd#4	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			11:16 ICB1		11:38 CCB1		12:50 CCB2		14:16 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	3.5	<200	18.8	<200	5.2	<200	14.6	<200
Antimony	6.0	.8	-0.40	<6.0	-0.30	<6.0	-0.90	<6.0	0.40	<6.0
Arsenic	3.0	.8	1.8	<3.0	1.5	<3.0	0.50	<3.0	0.80	<3.0
Barium	200	.3	0.40	<200	1.1	<200	0.50	<200	0.90	<200
Beryllium	1.0	.09	0.20	<1.0	0.90	<1.0	0.40	<1.0	0.80	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.0	<3.0	0.30	<3.0	0.40	<3.0	0.50	<3.0
Calcium	5000	8.7	6.0	<5000	18.8	<5000	6.1	<5000	15.5	<5000
Chromium	10	.3	0.10	<10	0.60	<10	0.40	<10	1.0	<10
Cobalt	50	.3	0.40	<50	0.30	<50	0.30	<50	0.70	<50
Copper	10	2.2	0.10	<10	0.60	<10	0.40	<10	1.1	<10
Iron	100	5.5	5.8	<100	19.1	<100	9.1	<100	17.8	<100
Lead	3.0	.9	-0.30	<3.0	-0.10	<3.0	0.30	<3.0	-0.20	<3.0
Lithium	20	1								
Magnesium	5000	19	22.7	<5000	49.0	<5000	27.0	<5000	42.5	<5000
Manganese	15	.2	0.10	<15	0.60	<15	0.40	<15	1.1	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.20	<10	0.30	<10	0.40	<10	0.70	<10
Palladium	50	1.7								
Potassium	10000	37	40.4	<10000	42.8	<10000	30.5	<10000	75.4	<10000
Selenium	10	1.7	-0.60	<10	1.4	<10	0.50	<10	4.1	<10
Silicon	200	5.4								
Silver	10	.3	0.10	<10	-0.10	<10	0.10	<10	0.0	<10
Sodium	10000	6.1	5.4	<10000	13.5	<10000	4.3	<10000	35.0	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-0.70	<2.0	-0.30	<2.0	0.40	<2.0	1.2	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.20	<50	0.70	<50	0.50	<50	1.1	<50
Zinc	20	.4	0.40	<20	0.60	<20	0.20	<20	0.80	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			11:16		11:38		12:50		14:16	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			15:25 CCB4		16:33 CCB5		16:50 CCB6		18:00 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	9.4	<200	23.7	<200	12.7	<200	8.4	<200
Antimony	6.0	.8	0.10	<6.0	0.40	<6.0	-0.50	<6.0	0.40	<6.0
Arsenic	3.0	.8	1.2	<3.0	1.5	<3.0	1.5	<3.0	2.0	<3.0
Barium	200	.3	0.60	<200	1.3	<200	1.0	<200	0.70	<200
Beryllium	1.0	.09	0.30	<1.0	1.1	* (a)	0.90	<1.0	0.70	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.50	<3.0	0.40	<3.0	0.20	<3.0	0.50	<3.0
Calcium	5000	8.7	6.2	<5000	23.6	<5000	16.3	<5000	12.6	<5000
Chromium	10	.3	0.70	<10	1.0	<10	0.80	<10	0.80	<10
Cobalt	50	.3	0.90	<50	0.80	<50	0.60	<50	0.60	<50
Copper	10	2.2	0.40	<10	0.90	<10	0.90	<10	0.50	<10
Iron	100	5.5	10.5	<100	28.6	<100	17.5	<100	15.0	<100
Lead	3.0	.9	0.30	<3.0	0.70	<3.0	0.40	<3.0	0.20	<3.0
Lithium	20	1								
Magnesium	5000	19	33.7	<5000	36.8	<5000	38.9	<5000	23.4	<5000
Manganese	15	.2	0.60	<15	1.0	<15	0.80	<15	0.80	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.50	<10	0.60	<10	0.30	<10	0.70	<10
Palladium	50	1.7								
Potassium	10000	37	45.5	<10000	70.9	<10000	64.0	<10000	56.0	<10000
Selenium	10	1.7	2.5	<10	3.0	<10	-0.40	<10	1.4	<10
Silicon	200	5.4								
Silver	10	.3	-0.20	<10	-0.10	<10	0.0	<10	0.20	<10
Sodium	10000	6.1	8.3	<10000	41.6	<10000	24.2	<10000	128	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.10	<2.0	0.20	<2.0	-0.50	<2.0	1.2	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.60	<50	1.2	<50	1.0	<50	0.90	<50
Zinc	20	.4	0.70	<20	0.70	<20	0.60	<20	1.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			15:25 CCB4		16:33 CCB5		16:50 CCB6		18:00 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			19:08		20:17		21:19		22:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	5.7	<200	1.7	<200	1.9	<200	9.3	<200
Antimony	6.0	.8	1.3	<6.0	1.1	<6.0	-0.10	<6.0	0.50	<6.0
Arsenic	3.0	.8	0.90	<3.0	1.4	<3.0	1.5	<3.0	0.80	<3.0
Barium	200	.3	0.60	<200	0.30	<200	0.50	<200	0.40	<200
Beryllium	1.0	.09	0.40	<1.0	0.20	<1.0	0.30	<1.0	0.20	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	0.70	<3.0	0.80	<3.0	0.30	<3.0	0.30	<3.0
Calcium	5000	8.7	8.4	<5000	6.1	<5000	3.1	<5000	-1.4	<5000
Chromium	10	.3	0.70	<10	0.50	<10	0.40	<10	0.50	<10
Cobalt	50	.3	0.80	<50	0.80	<50	0.60	<50	0.50	<50
Copper	10	2.2	0.50	<10	0.20	<10	0.20	<10	0.20	<10
Iron	100	5.5	10.6	<100	7.2	<100	11.3	<100	6.5	<100
Lead	3.0	.9	0.70	<3.0	0.60	<3.0	-0.40	<3.0	-0.40	<3.0
Lithium	20	1								
Magnesium	5000	19	23.2	<5000	18.9	<5000	12.8	<5000	25.0	<5000
Manganese	15	.2	0.70	<15	0.40	<15	0.30	<15	0.40	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.70	<10	0.90	<10	0.30	<10	0.30	<10
Palladium	50	1.7								
Potassium	10000	37	54.6	<10000	32.0	<10000	31.4	<10000	35.7	<10000
Selenium	10	1.7	2.9	<10	2.9	<10	-0.20	<10	0.50	<10
Silicon	200	5.4								
Silver	10	.3	-0.10	<10	0.0	<10	-0.30	<10	0.20	<10
Sodium	10000	6.1	34.8	<10000	28.7	<10000	8.4	<10000	13.0	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	1.1	<2.0	1.4	<2.0	0.30	<2.0	1.1	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.70	<50	0.60	<50	0.50	<50	0.60	<50
Zinc	20	.4	1.0	<20	1.0	<20	1.3	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			19:08		20:17		21:19		22:28	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time: / Sample ID:			23:36 CCB12		00:43 CCB13		01:58 CCB14		03:13 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	18.6	<200	13.2	<200	14.0	<200	17.8	<200
Antimony	6.0	.8	1.0	<6.0	0.70	<6.0	0.30	<6.0	0.50	<6.0
Arsenic	3.0	.8	1.5	<3.0	1.4	<3.0	1.6	<3.0	1.8	<3.0
Barium	200	.3	1.1	<200	0.80	<200	0.80	<200	0.90	<200
Beryllium	1.0	.09	0.80	<1.0	0.60	<1.0	0.60	<1.0	0.70	<1.0
Bismuth	20	1.4								
Boron	100	.7	anr							
Cadmium	3.0	.2	1.1	<3.0	0.90	<3.0	0.90	<3.0	0.80	<3.0
Calcium	5000	8.7	21.1	<5000	11.1	<5000	11.8	<5000	17.2	<5000
Chromium	10	.3	0.90	<10	0.90	<10	0.80	<10	1.7	<10
Cobalt	50	.3	1.1	<50	0.90	<50	0.90	<50	1.3	<50
Copper	10	2.2	1.0	<10	0.70	<10	0.60	<10	0.90	<10
Iron	100	5.5	19.5	<100	16.8	<100	15.3	<100	19.8	<100
Lead	3.0	.9	1.1	<3.0	0.30	<3.0	0.70	<3.0	0.70	<3.0
Lithium	20	1								
Magnesium	5000	19	31.6	<5000	30.9	<5000	34.8	<5000	41.4	<5000
Manganese	15	.2	1.2	<15	0.80	<15	0.90	<15	0.90	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	1.1	<10	1.1	<10	0.90	<10	1.0	<10
Palladium	50	1.7								
Potassium	10000	37	58.4	<10000	73.6	<10000	46.1	<10000	60.3	<10000
Selenium	10	1.7	0.80	<10	0.50	<10	2.6	<10	1.9	<10
Silicon	200	5.4								
Silver	10	.3	0.10	<10	0.20	<10	-0.10	<10	-0.40	<10
Sodium	10000	6.1	20.9	<10000	8.1	<10000	2.5	<10000	34.8	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	3.2	* (a)	1.2	<2.0	0.50	<2.0	0.70	<2.0
Tin	10	.6	anr							
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	1.2	<50	1.0	<50	1.0	<50	1.0	<50
Zinc	20	.4	1.1	<20	0.90	<20	1.0	<20	1.2	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			23:36		00:43		01:58		03:13	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			04:28		05:31	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	5.9	14.5	<200	12.3	<200
Antimony	6.0	.8	0.10	<6.0	0.20	<6.0
Arsenic	3.0	.8	1.3	<3.0	2.2	<3.0
Barium	200	.3	0.90	<200	1.0	<200
Beryllium	1.0	.09	0.70	<1.0	0.70	<1.0
Bismuth	20	1.4				
Boron	100	.7	anr			
Cadmium	3.0	.2	0.60	<3.0	0.80	<3.0
Calcium	5000	8.7	13.9	<5000	17.4	<5000
Chromium	10	.3	1.0	<10	1.4	<10
Cobalt	50	.3	0.90	<50	1.1	<50
Copper	10	2.2	0.70	<10	0.80	<10
Iron	100	5.5	15.9	<100	16.0	<100
Lead	3.0	.9	1.3	<3.0	0.70	<3.0
Lithium	20	1				
Magnesium	5000	19	34.1	<5000	7.6	<5000
Manganese	15	.2	0.90	<15	1.2	<15
Molybdenum	20	.4	anr			
Nickel	10	.4	0.50	<10	0.70	<10
Palladium	50	1.7				
Potassium	10000	37	37.7	<10000	41.0	<10000
Selenium	10	1.7	2.1	<10	-0.40	<10
Silicon	200	5.4				
Silver	10	.3	0.10	<10	0.20	<10
Sodium	10000	6.1	21.5	<10000	18.0	<10000
Sulfur	50	4.3				
Strontium	10	.1				
Thallium	2.0	1.3	2.0	<2.0*(a)	1.6	<2.0
Tin	10	.6	anr			
Titanium	10	.3				
Tungsten	50	5.8				
Vanadium	50	.3	1.0	<50	1.2	<50
Zinc	20	.4	0.90	<20	0.90	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34208 Units: ug/l

Time:			04:28		05:31	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.3				

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:21	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39800	99.5
Antimony	2000	2000	100.0
Arsenic	2000	1990	99.5
Barium	2000	2030	101.5
Beryllium	2000	2050	102.5
Bismuth			
Boron	anr		
Cadmium	2000	2020	101.0
Calcium	40000	40500	101.3
Chromium	2000	2020	101.0
Cobalt	2000	2020	101.0
Copper	2000	1990	99.5
Iron	40000	40700	101.8
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	40000	100.0
Manganese	2000	2060	103.0
Molybdenum	anr		
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	40000	100.0
Selenium	2000	2000	100.0
Silicon			
Silver	250	243	97.2
Sodium	40000	40000	100.0
Sulfur			
Strontium			
Thallium	2000	2050	102.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2010	100.5
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:21	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:02			12:44			14:01	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39600	99.0	40000	39900	99.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Barium	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Bismuth									
Boron	anr								
Cadmium	2000	2040	102.0	2000	2040	102.0	2000	2010	100.5
Calcium	40000	40200	100.5	40000	41200	103.0	40000	40000	100.0
Chromium	2000	2040	102.0	2000	2060	103.0	2000	2020	101.0
Cobalt	2000	2050	102.5	2000	2040	102.0	2000	2010	100.5
Copper	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Iron	40000	40600	101.5	40000	41100	102.8	40000	39800	99.5
Lead	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Lithium									
Magnesium	40000	39800	99.5	40000	40700	101.8	40000	39400	98.5
Manganese	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2070	103.5	2000	2040	102.0
Palladium									
Potassium	40000	40000	100.0	40000	40200	100.5	40000	40300	100.8
Selenium	2000	2040	102.0	2000	2040	102.0	2000	2020	101.0
Silicon									
Silver	250	246	98.4	250	246	98.4	250	244	97.6
Sodium	40000	40200	100.5	40000	40100	100.3	40000	40300	100.8
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2110	105.5	2000	2060	103.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2010	100.5	2000	2050	102.5
Zinc	2000	2070	103.5	2000	2070	103.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		11:02			12:44			14:01	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		15:19			16:27			16:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39200	98.0	40000	39700	99.3
Antimony	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Beryllium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Calcium	40000	39900	99.8	40000	40000	100.0	40000	39900	99.8
Chromium	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Cobalt	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Copper	2000	2000	100.0	2000	1970	98.5	2000	2000	100.0
Iron	40000	39700	99.3	40000	39600	99.0	40000	39600	99.0
Lead	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Lithium									
Magnesium	40000	39200	98.0	40000	39300	98.3	40000	39200	98.0
Manganese	2000	2070	103.5	2000	2040	102.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Palladium									
Potassium	40000	40100	100.3	40000	39900	99.8	40000	40300	100.8
Selenium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Silicon									
Silver	250	243	97.2	250	241	96.4	250	243	97.2
Sodium	40000	40300	100.8	40000	39900	99.8	40000	40500	101.3
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2100	105.0	2000	2120	106.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2030	101.5	2000	1990	99.5	2000	2030	101.5
Zinc	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		15:19			16:27			16:44	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		17:54			19:02			20:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40000	100.0	40000	39000	97.5
Antimony	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Arsenic	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Barium	2000	2020	101.0	2000	2050	102.5	2000	2020	101.0
Beryllium	2000	2010	100.5	2000	2030	101.5	2000	2000	100.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Calcium	40000	39400	98.5	40000	40600	101.5	40000	40400	101.0
Chromium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Cobalt	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Copper	2000	2020	101.0	2000	2010	100.5	2000	1940	97.0
Iron	40000	39000	97.5	40000	39600	99.0	40000	39300	98.3
Lead	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Lithium									
Magnesium	40000	38600	96.5	40000	39600	99.0	40000	39300	98.3
Manganese	2000	2060	103.0	2000	2070	103.5	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5
Palladium									
Potassium	40000	40300	100.8	40000	40900	102.3	40000	40300	100.8
Selenium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Silicon									
Silver	250	243	97.2	250	245	98.0	250	241	96.4
Sodium	40000	40200	100.5	40000	40900	102.3	40000	39900	99.8
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2040	102.0	2000	1970	98.5
Zinc	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		17:54			19:02			20:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		21:13			22:22			23:30	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39300	98.3	40000	39900	99.8	40000	39600	99.0
Antimony	2000	2040	102.0	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	2040	102.0	2000	2000	100.0	2000	2010	100.5
Barium	2000	2040	102.0	2000	2040	102.0	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	2050	102.5	2000	2020	101.0	2000	2030	101.5
Calcium	40000	40700	101.8	40000	40200	100.5	40000	40200	100.5
Chromium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Cobalt	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Copper	2000	1980	99.0	2000	2010	100.5	2000	1980	99.0
Iron	40000	39400	98.5	40000	39200	98.0	40000	39100	97.8
Lead	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Lithium									
Magnesium	40000	39600	99.0	40000	39200	98.0	40000	39200	98.0
Manganese	2000	2060	103.0	2000	2080	104.0	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Palladium									
Potassium	40000	40800	102.0	40000	41100	102.8	40000	41000	102.5
Selenium	2000	2060	103.0	2000	2030	101.5	2000	2030	101.5
Silicon									
Silver	250	243	97.2	250	244	97.6	250	243	97.2
Sodium	40000	40400	101.0	40000	40800	102.0	40000	40600	101.5
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2120	106.0	2000	2120	106.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2040	102.0	2000	2010	100.5
Zinc	2000	2090	104.5	2000	2060	103.0	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		21:13			22:22			23:30	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		00:37			01:52			03:07	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39400	98.5	40000	39600	99.0
Antimony	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Barium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Calcium	40000	40000	100.0	40000	40300	100.8	40000	40000	100.0
Chromium	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Cobalt	2000	2030	101.5	2000	2020	101.0	2000	2030	101.5
Copper	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Iron	40000	38800	97.0	40000	39000	97.5	40000	38900	97.3
Lead	2000	2050	102.5	2000	2040	102.0	2000	2040	102.0
Lithium									
Magnesium	40000	39000	97.5	40000	39200	98.0	40000	38900	97.3
Manganese	2000	2070	103.5	2000	2050	102.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Palladium									
Potassium	40000	41000	102.5	40000	41000	102.5	40000	41000	102.5
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	242	96.8	250	242	96.8	250	243	97.2
Sodium	40000	40500	101.3	40000	40300	100.8	40000	40400	101.0
Sulfur									
Strontium									
Thallium	2000	2110	105.5	2000	2100	105.0	2000	2110	105.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Zinc	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		00:37			01:52			03:07	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		04:22			05:25	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39700	99.3
Antimony	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	2000	100.0	2000	2040	102.0
Barium	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2010	100.5	2000	2010	100.5
Bismuth						
Boron	anr					
Cadmium	2000	2030	101.5	2000	2040	102.0
Calcium	40000	39900	99.8	40000	40300	100.8
Chromium	2000	2030	101.5	2000	2270	113.5*(a
Cobalt	2000	2030	101.5	2000	2050	102.5
Copper	2000	1980	99.0	2000	2210	110.5*(a
Iron	40000	38700	96.8	40000	38800	97.0
Lead	2000	2040	102.0	2000	2050	102.5
Lithium						
Magnesium	40000	38700	96.8	40000	39100	97.8
Manganese	2000	2060	103.0	2000	2300	115.0*(a
Molybdenum	anr					
Nickel	2000	2050	102.5	2000	2050	102.5
Palladium						
Potassium	40000	41200	103.0	40000	41200	103.0
Selenium	2000	2020	101.0	2000	2120	106.0
Silicon						
Silver	250	243	97.2	250	279	111.6*(a
Sodium	40000	40400	101.0	40000	40500	101.3
Sulfur						
Strontium						
Thallium	2000	2120	106.0	2000	2120	106.0
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	2010	100.5	2000	2220	111.0*(a
Zinc	2000	2060	103.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34208 Units: ug/l

Time:		04:22			05:25	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:00		12:06		12:12	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	101	101.0	199	99.5	489	97.8
Antimony	6.0	20	3.0	2.9	96.7	6.0	100.0	19.1	95.5
Arsenic	8.0	20	3.0	3.8	126.7	8.8	110.0	20.0	100.0
Barium	200		4.0	4.4	110.0	208	104.0		
Beryllium	2.0		1.0	1.0	100.0	2.2	110.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	0.90	90.0	3.3	110.0		
Calcium	5000		1000	1050	105.0	5040	100.8		
Chromium	10		2.0	1.9	95.0	11.0	110.0		
Cobalt	50		3.0	3.2	106.7	51.3	102.6		
Copper	10		2.0	2.1U	0.0* (a)	10.5	105.0		
Iron	100	500				113	113.0	520	104.0
Lead	3.0	20	2.5	2.3	92.0	2.9	96.7	21.0	105.0
Lithium	20								
Magnesium	5000		100	108	108.0	5090	101.8		
Manganese	15		3.0	3.4	113.3	16.6	110.7		
Molybdenum	20								
Nickel	10		4.0	4.4	110.0	10.6	106.0		
Palladium	50								
Potassium	5000		2000	2120	106.0	5200	104.0		
Selenium	10	20	5.0	7.4	148.0*(a	12.3	123.0	23.0	115.0
Silicon	200								
Silver	5.0		1.0	1.3	130.0	4.8	96.0		
Sodium	5000		1000	1040	104.0	5040	100.8		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	2.7	135.0*(a	8.1	81.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.1	105.0	53.8	107.6		
Zinc	20		10	13.0	130.0	23.6	118.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:00		12:06		12:12	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:59		20:23		20:29	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI2		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	104	104.0	196	98.0	100	100.0
Antimony	6.0	20	3.0	2.6	86.7	5.7	95.0	1.5	50.0*(a)
Arsenic	8.0	20	3.0	3.1	103.3	9.2	115.0	3.6	120.0
Barium	200		4.0	4.2	105.0	209	104.5	4.2	105.0
Beryllium	2.0		1.0	1.2	120.0	2.3	115.0	1.0	100.0
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	1.0	100.0	3.4	113.3	1.0	100.0
Calcium	5000		1000	1060	106.0	5060	101.2	1050	105.0
Chromium	10		2.0	2.3	115.0	11.1	111.0	2.4	120.0
Cobalt	50		3.0	3.3	110.0	51.1	102.2	3.5	116.7
Copper	10		2.0	1.9U	0.0* (a)	10.5	105.0	1.9U	0.0* (a)
Iron	100	500				109	109.0		
Lead	3.0	20	2.5	2.9	116.0	3.6	120.0	3.2	128.0
Lithium	20								
Magnesium	5000		100	140	140.0*(a	5160	103.2	109	109.0
Manganese	15		3.0	3.4	113.3	16.5	110.0	3.3	110.0
Molybdenum	20								
Nickel	10		4.0	4.2	105.0	10.8	108.0	4.2	105.0
Palladium	50								
Potassium	5000		2000	2110	105.5	5290	105.8	2150	107.5
Selenium	10	20	5.0	8.8	176.0*(a	11.2	112.0	8.6	172.0*(a
Silicon	200								
Silver	5.0		1.0	1.0	100.0	4.9	98.0	1.2	120.0
Sodium	5000		1000	1030	103.0	5080	101.6	1050	105.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.5	75.0	7.6	76.0	2.5	125.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.2	110.0	53.2	106.4	2.1	105.0
Zinc	20		10	13.1	131.0*(a	23.5	117.5	13.4	134.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				12:59		20:23		20:29	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI2		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				20:36		04:34		04:41	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	481	96.2	202	101.0	104	104.0
Antimony	6.0	20	3.0	19.0	95.0	5.9	98.3	3.1	103.3
Arsenic	8.0	20	3.0	20.6	103.0	8.5	106.3	3.8	126.7
Barium	200		4.0			207	103.5	4.3	107.5
Beryllium	2.0		1.0			2.2	110.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			3.3	110.0	1.1	110.0
Calcium	5000		1000			5050	101.0	1050	105.0
Chromium	10		2.0			11.3	113.0	2.4	120.0
Cobalt	50		3.0			51.5	103.0	3.5	116.7
Copper	10		2.0			10.4	104.0	2.0U	0.0* (a)
Iron	100	500		513	102.6	107	107.0		
Lead	3.0	20	2.5	20.6	103.0	3.3	110.0	3.2	128.0
Lithium	20								
Magnesium	5000		100			5140	102.8	131	131.0*(a
Manganese	15		3.0			16.6	110.7	3.4	113.3
Molybdenum	20								
Nickel	10		4.0			10.6	106.0	4.4	110.0
Palladium	50								
Potassium	5000		2000			5340	106.8	2180	109.0
Selenium	10	20	5.0	23.6	118.0	12.0	120.0	8.5	170.0*(a
Silicon	200								
Silver	5.0		1.0			5.2	104.0	1.0	100.0
Sodium	5000		1000			5070	101.4	1050	105.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0			8.7	87.0	1.7	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			53.0	106.0	2.4	120.0
Zinc	20		10			23.5	117.5	13.6	136.0*(a

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				20:36		04:34		04:41	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				04:47	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	469	93.8
Antimony	6.0	20	3.0	19.4	97.0
Arsenic	8.0	20	3.0	19.7	98.5
Barium	200		4.0		
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0		
Calcium	5000		1000		
Chromium	10		2.0		
Cobalt	50		3.0		
Copper	10		2.0		
Iron	100	500		480	96.0
Lead	3.0	20	2.5	21.0	105.0
Lithium	20				
Magnesium	5000		100		
Manganese	15		3.0		
Molybdenum	20				
Nickel	10		4.0		
Palladium	50				
Potassium	5000		2000		
Selenium	10	20	5.0	25.1	125.5
Silicon	200				
Silver	5.0		1.0		
Sodium	5000		1000		
Sulfur	50				
Strontium	10				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		
Zinc	20		10		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34208 Units: ug/l

Time:				04:47	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34208 Units: ug/l

Time:			12:18		12:25		20:42		20:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	494000	98.8	482000	96.4	489000	97.8	493000	98.6
Antimony		1000	-1.0		1050	105.0	-0.30		1040	104.0
Arsenic		1000	2.5		1090	109.0	1.4		1080	108.0
Barium		500	-0.60		493	98.6	-0.60		511	102.2
Beryllium		500	0.0		486	97.2	-0.10		494	98.8
Bismuth		500	2.2		523	104.6	1.5		520	104.0
Boron			-12		-12		-12		-13	
Cadmium		1000	1.0		1030	103.0	1.2		1030	103.0
Calcium	400000	400000	378000	94.5	371000	92.8	379000	94.8	377000	94.3
Chromium		500	-0.50		472	94.4	-0.60		480	96.0
Cobalt		500	3.5		485	97.0	3.0		483	96.6
Copper		500	-1.3		514	102.8	-1.7		518	103.6
Iron	200000	200000	189000	94.5	188000	94.0	184000	92.0	187000	93.5
Lead		1000	-5.0		948	94.8	-5.6		941	94.1
Lithium		500	5.0		531	106.2	5.6		557	111.4
Magnesium	500000	500000	525000	105.0	514000	102.8	521000	104.2	518000	103.6
Manganese		500	-1.2		498	99.6	-1.5		502	100.4
Molybdenum		500	-2.4		497	99.4	-1.9		492	98.4
Nickel		1000	-0.60		973	97.3	-0.50		965	96.5
Palladium		500	-17		556	111.2	-17		565	113.0
Potassium			31.5		7.8		14.6		-5.2	
Selenium		1000	8.3		1090	109.0	13.8		1090	109.0
Silicon			-4.6		-5.3		-4.2		-6.8	
Silver		1000	-4.5		1080	108.0	-5.6		1090	109.0
Sodium			12.2		1.5		33.9		16.9	
Sulfur		500	-43		452	90.4	-41		443	88.6
Strontium			-0.60		-0.80		-0.60		-0.60	
Thallium		1000	3.7		979	97.9	-2.3		960	96.0
Tin			8.1		6.2		6.3		5.8	
Titanium			2.4		5.6		2.0		5.8	
Tungsten		500	12.2		579	115.8	8.9		570	114.0
Vanadium		500	-1.9		465	93.0	-1.8		466	93.2
Zinc		1000	-0.20		966	96.6	-0.80		957	95.7

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061014M1.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34208 Units: ug/l

Time:			12:18		12:25		20:42		20:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500								

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA34228-STD1	1		IEC 4/10/14
10:19	MA34228-STD2	1		STDB
10:25	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:38	MA34228-ICV1	1		
10:54	MA34228-ICB1	1		
11:04	MA34228-ICCV1	1		
11:21	MA34228-CCB1	1		
11:25	MA34228-CRI1	1		
11:31	MA34228-CRID1	1		
11:38	MA34228-CRIA1	1		
11:44	ZZZZZZ	3		
11:50	MA34228-ICSA1	1		
11:57	MA34228-ICSAB1	1		
12:03	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:15	MA34228-CCV1	1		
12:24	MA34228-CCB2	1		
12:34	MA34228-CRID2	1		
12:40	MP79943-MB1	1		
12:46	MP79943-LC1	1		
12:52	MP79943-S1	1		
12:59	MP79943-S2	1		
13:05	MP79943-S3	1		
13:11	MP79943-S4	1		
13:17	JB68331-13	1		(sample used for QC only; not part of login JB68458)
13:23	MP79943-SD1	5		
13:29	MA34228-CCV2	1		
13:42	MA34228-CCB3	1		
13:49	ZZZZZZ	1		
13:55	MP79942-S3	1		
14:01	ZZZZZZ	2		
14:07	ZZZZZZ	3		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:13	JB68710-1	1		(sample used for QC only; not part of login JB68458)
14:20	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:32	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:44	MA34228-CCV3	1		
14:57	MA34228-CCB4	1		
15:03	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:59	MA34228-CCV4	1		
16:09	MA34228-CCB5	1		
16:20	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:32	ZZZZZZ	5		
16:39	ZZZZZZ	10		
16:45	ZZZZZZ	1		
16:51	MP79971-MB1	1		
16:58	MP79971-LC1	1		
17:04	MP79971-S1	1		
17:10	MP79971-S2	1		bad reading on Y 3600
17:16	MA34228-CCV5	1		
17:22	MA34228-CCB6	1		
17:28	JB68861-1	1		(sample used for QC only; not part of login JB68458)
17:34	MP79971-SD1	5		
17:41	ZZZZZZ	1		
17:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:53	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:18	JB68331-13F	1		(sample used for QC only; not part of login JB68458)
18:24	MA34228-CCV6	1		
18:31	MA34228-CCB7	1		
18:37	MP79943-SD2	5		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	MA34228-CCV7	1		
19:39	MA34228-CCB8	1		
19:45	MA34228-CRI2	1		
19:51	MA34228-CRID3	1		
19:58	MA34228-CRIA2	1		
20:04	MA34228-ICSA2	1		
20:10	MA34228-ICSAB2	1		
20:17	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:36	MA34228-CCV8	1		
20:42	MA34228-CCB9	1		
20:48	ZZZZZZ	1		
20:54	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:19	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:45	MA34228-CCV9	1		
21:51	MA34228-CCB10	1		
21:57	ZZZZZZ	1		
22:03	JB68458-1	1		
22:09	JB68458-2	1		
22:15	JB68458-2	2		
22:22	JB68458-5	1		
22:28	JB68458-5	2		
22:34	JB68458-6	1		
22:40	JB68458-6	2		
---------->	Last reportable sample/prep for job JB68458			
22:46	MP79986-MB1	1		
22:52	MA34228-CCV10	1		
22:58	MA34228-CCB11	1		
23:05	MP79986-LC1	1		
23:11	MP79986-S1	1		
23:17	MP79986-S2	1		
23:23	JB68621-2	1		(sample used for QC only; not part of login JB68458)
23:30	MP79986-SD1	5		
23:36	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:55	ZZZZZZ	1		
00:01	MA34228-CCV11	1		
00:07	MA34228-CCB12	1		
00:13	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:32	ZZZZZZ	1		
00:39	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:45	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:57	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:16	MA34228-CCV12	1		
01:22	MA34228-CCB13	1		
01:28	ZZZZZZ	1		
01:35	MP80019-LC1	1		
01:41	MP80019-MB1	1		
01:47	MP80019-S1	1		
01:53	MP80019-S2	1		
01:59	JB68891-9	1		(sample used for QC only; not part of login JB68458)
02:05	MP80019-SD1	5		
02:12	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:31	MA34228-CCV13	1		
02:37	MA34228-CCB14	1		
02:43	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:02	ZZZZZZ	1		
03:09	ZZZZZZ	1		
03:15	ZZZZZZ	2		
03:22	ZZZZZZ	5		
03:28	ZZZZZZ	10		
03:34	MP80012-B1	1		CRID out
03:40	MA34228-CCV14	1		
03:46	MA34228-CCB15	1		
03:53	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:12	ZZZZZZ	1		
04:18	ZZZZZZ	1		
04:24	ZZZZZZ	1		
04:31	ZZZZZZ	1		
04:37	MA34228-CCV15	1		
04:43	MA34228-CCB16	1		
04:49	MP80012-MB1	1		Batch to reanalyze for Tl, CRID out
04:56	MP80012-LC1	1		CCB out
05:02	MP80012-S1	1		CCB out
05:08	MP80012-S2	1		CCB out
05:14	JB68754-3F	1		(sample used for QC only; not part of login JB68458)
05:20	MP80012-SD1	5		CCB out
05:26	ZZZZZZ	1		
05:32	ZZZZZZ	1		
05:39	ZZZZZZ	1		
05:45	ZZZZZZ	1		
05:51	MA34228-CCV16	1		
05:57	MA34228-CCB17	1		
06:04	ZZZZZZ	1		
06:10	MA34228-CRI3	1		
06:16	MA34228-CRID4	1		
06:22	MA34228-CRIA3	1		
06:29	MA34228-CCV17	1		
06:35	MA34228-CCB18	1		

----------> Last reportable CCB for job JB68458
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:13	MA34228-STD1	2164 R	105290 R	13400 R	7013 R
10:19	MA34228-STD2	2003	96918	13189	6048
10:25	ZZZZZZ	2073	99686	13175	6306
10:31	ZZZZZZ	2168	105670	13305	7031
10:38	MA34228-ICV1	2076	100360	13128	6309
10:54	MA34228-ICB1	2179	106170	13360	7064
11:04	MA34228-ICCV1	2083	102450	13280	6358
11:21	MA34228-CCB1	2180	106960	13402	7047
11:25	MA34228-CRI1	2152	105220	13300	6872
11:31	MA34228-CRID1	No results reported for the elements associated with this internal standard.			
11:38	MA34228-CRIA1	2171	106580	13335	7027
11:44	ZZZZZZ	2182	106160	13424	7023
11:50	MA34228-ICSA1	1896	89640	12636	5591
11:57	MA34228-ICSAB1	1899	90507	12618	5623
12:03	ZZZZZZ	2129	103580	13261	7003
12:09	ZZZZZZ	2121	105820	13293	6992
12:15	MA34228-CCV1	2076	100790	13083	6320
12:24	MA34228-CCB2	2173	106420	13279	7027
12:34	MA34228-CRID2	2174	107320	13287	7014
12:40	MP79943-MB1	2151	106720	13289	6996
12:46	MP79943-LC1	2139	105400	13387	6764
12:52	MP79943-S1	2082	102210	13286	6468
12:59	MP79943-S2	2076	102360	13256	6450
13:05	MP79943-S3	2089	100940	13194	6444
13:11	MP79943-S4	2090	100650	13084	6441
13:17	JB68331-13	2151	105230	13272	6869
13:23	MP79943-SD1	2171	106560	13274	7000
13:29	MA34228-CCV2	2084	100960	12914	6350
13:42	MA34228-CCB3	2204	107900	13181	7130
13:49	ZZZZZZ	2188	106860	13154	7074
13:55	MP79942-S3	2130	102220	13290	6566
14:01	ZZZZZZ	2139	102050	13199	6418
14:07	ZZZZZZ	1922	93700	12619	5694

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:13	JB68710-1	2192	106770	13336	7041
14:20	ZZZZZZ	2169	104130	13393	6709
14:26	ZZZZZZ	2146	103910	13239	6655
14:32	ZZZZZZ	2125	104150	13330	6622
14:38	ZZZZZZ	2144	104070	13110	6682
14:44	MA34228-CCV3	2103	102580	12944	6399
14:57	MA34228-CCB4	2191	105940	12937	7049
15:03	ZZZZZZ	2154	103140	13224	6696
15:09	ZZZZZZ	2153	103510	13100	6696
15:15	ZZZZZZ	2141	104290	13215	6677
15:22	ZZZZZZ	2184	106040	12996	7056
15:28	ZZZZZZ	2155	104840	13174	6846
15:34	ZZZZZZ	2143	105370	13256	6706
15:40	ZZZZZZ	2161	104700	13295	6840
15:46	ZZZZZZ	2161	104970	13157	6894
15:53	ZZZZZZ	2158	105770	13221	6881
15:59	MA34228-CCV4	2076	99542	12739	6283
16:09	MA34228-CCB5	2178	105800	12913	7026
16:20	ZZZZZZ	2149	103950	13162	6739
16:26	ZZZZZZ	2150	104550	13122	6841
16:32	ZZZZZZ	1989	94640	12830	5814
16:39	ZZZZZZ	2056	97811	12920	6123
16:45	ZZZZZZ	1900	90947	12895	5481
16:51	MP79971-MB1	2197	106940	13295	7140
16:58	MP79971-LC1	2146	104540	13307	6784
17:04	MP79971-S1	2115	102360	13101	6556
17:10	MP79971-S2	2111	999999 !a	13188	6544
17:16	MA34228-CCV5	2078	99486	12813	6295
17:22	MA34228-CCB6	2187	106300	13163	7064
17:28	JB68861-1	2192	106410	13273	7045
17:34	MP79971-SD1	2176	105210	13004	7007
17:41	ZZZZZZ	2052	98919	13050	6437
17:47	ZZZZZZ	2048	100060	13114	6429

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:53	ZZZZZZ	2051	100150	13103	6187
17:59	ZZZZZZ	2028	98296	12997	6110
18:06	ZZZZZZ	2050	99396	13082	6176
18:12	ZZZZZZ	2123	103810	13030	6705
18:18	JB68331-13F	2147	105760	13097	6867
18:24	MA34228-CCV6	2087	100080	12765	6317
18:31	MA34228-CCB7	2177	106400	12922	7032
18:37	MP79943-SD2	2183	106270	13010	7028
18:43	ZZZZZZ	2154	105600	13004	6900
18:49	ZZZZZZ	2157	104720	13020	6868
18:56	ZZZZZZ	2156	106060	13170	6956
19:02	ZZZZZZ	2129	103090	13061	6787
19:08	ZZZZZZ	2147	104690	13061	6863
19:14	ZZZZZZ	2131	104660	13024	6899
19:20	ZZZZZZ	2154	105780	13067	6905
19:27	ZZZZZZ	2166	105990	13132	6908
19:33	MA34228-CCV7	2108	100450	12785	6358
19:39	MA34228-CCB8	2200	107290	12929	7091
19:45	MA34228-CRI2	2190	106040	12817	6967
19:51	MA34228-CRID3	2186	107110	12871	7048
19:58	MA34228-CRIA2	2195	106980	12840	7065
20:04	MA34228-ICSA2	1923	91163	12253	5641
20:10	MA34228-ICSAB2	1902	90106	12218	5603
20:17	ZZZZZZ	2189	106680	12874	7054
20:23	ZZZZZZ	2162	97086	12809	6249
20:29	ZZZZZZ	2195	107000	12873	7099
20:36	MA34228-CCV8	2102	101710	12797	6370
20:42	MA34228-CCB9	2198	106950	12851	7087
20:48	ZZZZZZ	2170	106390	13104	6992
20:54	ZZZZZZ	2128	103390	12946	6798
21:00	ZZZZZZ	2130	104470	13004	6821
21:07	ZZZZZZ	2105	103530	13009	6836
21:13	ZZZZZZ	2031	99549	12697	6191

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:19	ZZZZZZ	2010	97331	12755	6040
21:26	ZZZZZZ	1971	95309	12655	5860
21:32	ZZZZZZ	1999	96850	12726	5963
21:38	ZZZZZZ	2095	101000	12980	6368
21:45	MA34228-CCV9	2085	100670	12666	6326
21:51	MA34228-CCB10	2182	106260	12926	7031
21:57	ZZZZZZ	2183	107480	13003	7081
22:03	JB68458-1	2224	107000	13620	6394
22:09	JB68458-2	2124	102670	13132	6566
22:15	JB68458-2	2149	103140	13021	6638
22:22	JB68458-5	2238	107680	13796	6498
22:28	JB68458-5	2210	106500	13351	6592
22:34	JB68458-6	2238	108520	13825	6515
22:40	JB68458-6	2215	106850	13284	6615
22:46	MP79986-MB1	2183	106790	12894	7067
22:52	MA34228-CCV10	2077	100700	12549	6307
22:58	MA34228-CCB11	2188	108400	12862	7065
23:05	MP79986-LC1	2155	106360	12977	6803
23:11	MP79986-S1	1994	95928	12463	5942
23:17	MP79986-S2	1982	96897	12573	5911
23:23	JB68621-2	2009	97612	12654	6032
23:30	MP79986-SD1	2112	102980	12672	6600
23:36	ZZZZZZ	2004	97323	12589	6003
23:42	ZZZZZZ	2036	98718	12690	6125
23:48	ZZZZZZ	2029	98091	12726	6149
23:55	ZZZZZZ	2019	98021	12651	6066
00:01	MA34228-CCV11	2081	100680	12556	6303
00:07	MA34228-CCB12	2170	107370	12781	7023
00:13	ZZZZZZ	2126	104300	12932	6698
00:20	ZZZZZZ	No results reported for the elements associated with this internal standard.			
00:26	ZZZZZZ	1979	96342	12552	5899
00:32	ZZZZZZ	1978	96366	12530	5879
00:39	ZZZZZZ	2078	100450	12808	6307

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:45	ZZZZZZ	2167	106910	12901	7017
00:51	ZZZZZZ	2318	110890	15096	5310
00:57	ZZZZZZ	2114	102650	12778	6486
01:04	ZZZZZZ	2697	127210	16933	5584
01:10	ZZZZZZ	2003	95563	12625	5533
01:16	MA34228-CCV12	2067	100200	12472	6257
01:22	MA34228-CCB13	2168	106620	12747	6993
01:28	ZZZZZZ	2188	105060	13792	5597
01:35	MP80019-LC1	2142	105450	12845	6769
01:41	MP80019-MB1	2192	108460	13062	7158
01:47	MP80019-S1	2090	102330	12895	6460
01:53	MP80019-S2	2098	102140	12841	6479
01:59	JB68891-9	2144	105100	12909	6825
02:05	MP80019-SD1	2140	105600	12663	6900
02:12	ZZZZZZ	1883	91665	12499	5444
02:18	ZZZZZZ	2006	98719	12956	5926
02:24	ZZZZZZ	1965	95492	12692	5837
02:31	MA34228-CCV13	2051	99078	12487	6214
02:37	MA34228-CCB14	2148	105720	12576	6940
02:43	ZZZZZZ	No results reported for the elements associated with this internal standard.			
02:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
02:56	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:02	ZZZZZZ	1759	84391	12191	4921
03:09	ZZZZZZ	336 !a	84007	11927	5122
03:15	ZZZZZZ	1092 !a	89598	12018	5483
03:22	ZZZZZZ	1637	95732	12323	5941
03:28	ZZZZZZ	1855	99868	12369	6234
03:34	MP80012-B1	2080	102300	12583	6451
03:40	MA34228-CCV14	2060	99574	12409	6237
03:46	MA34228-CCB15	2155	106180	12568	6960
03:53	ZZZZZZ	2148	105700	12596	6839
03:59	ZZZZZZ	2162	106290	12531	6948
04:05	ZZZZZZ	2166	106570	12533	6982

INTERNAL STANDARD SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34228
Parameters: Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:12	ZZZZZZ	2171	107710	12583	7000
04:18	ZZZZZZ	2154	106780	12562	6961
04:24	ZZZZZZ	2170	106810	12569	6980
04:31	ZZZZZZ	2164	105490	12599	6959
04:37	MA34228-CCV15	2067	100550	12312	6267
04:43	MA34228-CCB16	2162	107910	12552	6985
04:49	MP80012-MB1	2153	106970	12678	6974
04:56	MP80012-LC1	2131	104860	12719	6717
05:02	MP80012-S1	2009	98119	12380	6042
05:08	MP80012-S2	2007	97934	12293	6040
05:14	JB68754-3F	2042	99849	12398	6221
05:20	MP80012-SD1	2124	103770	12391	6699
05:26	ZZZZZZ	1968	94209	12387	5716
05:32	ZZZZZZ	2163	106780	12637	6977
05:39	ZZZZZZ	2077	101320	12467	6380
05:45	ZZZZZZ	No results reported for the elements associated with this internal standard.			
05:51	MA34228-CCV16	2075	100920	12351	6273
05:57	MA34228-CCB17	2156	106660	12441	6961
06:04	ZZZZZZ	2060	100500	12534	6301
06:10	MA34228-CRI3	2137	104510	12423	6792
06:16	MA34228-CRID4	2198	106370	12481	7052
06:22	MA34228-CRIA3	2160	106320	12436	6958
06:29	MA34228-CCV17	2076	100230	12355	6278
06:35	MA34228-CCB18	2166	107500	12634	6994

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time: / Sample ID:			10:54 ICB1		11:21 CCB1		12:24 CCB2		13:42 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	0.40	<10	-0.10	<10	0.30	<10	0.10	<10
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-0.50	<2.0	-0.10	<2.0	-0.60	<2.0	1.4	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			10:54		11:21		12:24		13:42	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

10.2.2 10

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			14:57		16:09		17:22		18:31	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	-0.20	<10	-0.20	<10	-0.40	<10	-0.20	<10
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.10	<2.0	0.20	<2.0	-1.1	<2.0	-0.40	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			14:57		16:09		17:22		18:31	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time: / Sample ID:			19:39 CCB8		20:42 CCB9		21:51 CCB10		22:58 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	0.10	<10	0.20	<10	0.10	<10	0.0	<10
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-1.1	<2.0	-0.30	<2.0	0.40	<2.0	-0.90	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			19:39		20:42		21:51		22:58	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			00:07		01:22		02:37		03:46	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	-0.10	<10	-0.20	<10	-0.10	<10	-0.10	<10
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	1.1	<2.0	-0.60	<2.0	-0.40	<2.0	0.30	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			00:07		01:22		02:37		03:46	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			04:43		05:57		06:35	
Sample ID:			CCB16		CCB17		CCB18	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr					
Antimony	6.0	.8	anr					
Arsenic	3.0	.8	anr					
Barium	200	.3	anr					
Beryllium	1.0	.09	anr					
Bismuth	20	1.4						
Boron	100	.7						
Cadmium	3.0	.2	anr					
Calcium	5000	8.7	anr					
Chromium	10	.3	anr					
Cobalt	50	.3	anr					
Copper	10	2.2	anr					
Iron	100	5.5	anr					
Lead	3.0	.9	anr					
Lithium	20	1						
Magnesium	5000	19	anr					
Manganese	15	.2	anr					
Molybdenum	20	.4	anr					
Nickel	10	.4	anr					
Palladium	50	1.7						
Potassium	10000	37	anr					
Selenium	10	1.7	anr					
Silicon	200	5.4						
Silver	10	.3	0.10	<10	-0.30	<10	-0.40	<10
Sodium	10000	6.1	anr					
Sulfur	50	4.3						
Strontium	10	.1						
Thallium	2.0	1.3	0.70	<2.0	0.20	<2.0	-1.0	<2.0
Tin	10	.6						
Titanium	10	.3						
Tungsten	50	5.8						
Vanadium	50	.3	anr					
Zinc	20	.4	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34228 Units: ug/l

Time:			04:43		05:57		06:35	
Sample ID:			CCB16		CCB17		CCB18	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zirconium	10	.3						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		11:04	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	250	244	97.6
Sodium	anr		
Sulfur			
Strontium			
Thallium	2000	2110	105.5*(a
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		11:04	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		10:38			12:15			13:29	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	249	99.6	250	249	99.6	250	251	100.4
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2070	103.5	2000	2120	106.0	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		10:38			12:15			13:29	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		14:44			15:59			17:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	246	98.4	250	252	100.8	250	251	100.4
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2040	102.0	2000	2040	102.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		14:44			15:59			17:16	
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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		18:24			19:33			20:36	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	251	100.4	250	252	100.8	250	249	99.6
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		18:24			19:33			20:36	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		21:45			22:52			00:01	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	253	101.2	250	253	101.2	250	252	100.8
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2090	104.5	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		21:45			22:52			00:01	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		01:16			02:31			03:40	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	253	101.2	250	252	100.8	250	250	100.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		01:16			02:31			03:40	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		04:37			05:51			06:29	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	252	100.8	250	250	100.0	250	250	100.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34228 Units: ug/l

Time:		04:37			05:51			06:29	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				11:25		11:38		12:34	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	4.9	98.0			1.1	110.0
Sodium	5000		1000	anr					
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	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				11:25		11:38		12:34	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				19:45		19:51		19:58	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	5.0	100.0	0.70	70.0		
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	8.8	88.0	2.1	105.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				19:45		19:51		19:58	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				06:10		06:16		06:22	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	4.7	94.0	1.0	100.0		
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	8.1	81.0	0.70U	0.0*		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34228 Units: ug/l

Time:				06:10		06:16		06:22	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34228 Units: ug/l

Time:			11:50		11:57		20:04		20:10	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	508000	101.6	505000	101.0	513000	102.6	513000	102.6
Antimony		1000	-0.50		1030	103.0	1.7		1040	104.0
Arsenic		1000	-0.40		1080	108.0	0.90		1100	110.0
Barium		500	-0.80		504	100.8	-0.80		508	101.6
Beryllium		500	-0.10		501	100.2	-0.10		508	101.6
Bismuth		500	3.7		521	104.2	2.5		524	104.8
Boron			-12		-13		-13		-13	
Cadmium		1000	2.3		1020	102.0	1.7		1020	102.0
Calcium	400000	400000	380000	95.0	384000	96.0	384000	96.0	384000	96.0
Chromium		500	1.7		479	95.8	1.5		482	96.4
Cobalt		500	3.5		477	95.4	3.5		481	96.2
Copper		500	2.0		523	104.6	2.8		527	105.4
Iron	200000	200000	192000	96.0	195000	97.5	192000	96.0	197000	98.5
Lead		1000	1.7		941	94.1	1.4		973	97.3
Lithium		500	5.9		545	109.0	5.2		558	111.6
Magnesium	500000	500000	537000	107.4	536000	107.2	550000	110.0	550000	110.0
Manganese		500	1.6		507	101.4	-0.20		518	103.6
Molybdenum		500	-2.2		489	97.8	-2.0		491	98.2
Nickel		1000	0.0		958	95.8	-0.60		976	97.6
Palladium		500	-20		528	105.6	-17		530	106.0
Potassium			35.1		15.2		24.6		-24	
Selenium		1000	8.5		1060	106.0	10.4		1070	107.0
Silicon			-2.7		-7.2		-5.5		-5.6	
Silver		1000	2.6		1110	111.0	-2.3		1130	113.0
Sodium			6.6		3.7		4.8		-1.2	
Sulfur		500	-49		435	87.0	-53		439	87.8
Strontium			-0.90		-1.2		-1.0		-1.0	
Thallium		1000	-2.9		952	95.2	2.8		944	94.4
Tin			9.4		7.8		8.5		7.2	
Titanium			2.4		5.7		2.2		5.4	
Tungsten		500	-1.3		578	115.6	-12		569	113.8
Vanadium		500	3.3		475	95.0	4.6		484	96.8
Zinc		1000	0.20		952	95.2	-0.50		970	97.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB061214M1.ICP Date Analyzed: 06/12/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34228 Units: ug/l

Time:			11:50		11:57		20:04		20:10	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	8.8		551	110.2	8.7		557	111.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34255
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:14	MA34255-STD1	1		B=1.5578e-004,C=2.9671e-002,R=0.9998504
15:15	MA34255-STD2	1		STDB
15:17	MA34255-STD3	1		STDC
15:18	MA34255-STD4	1		STDD
15:19	MA34255-STD5	1		STDE
15:21	MA34255-STD6	1		STDF
15:26	MA34255-STD7	1		STDA
15:29	MA34255-ICV1	1		
15:30	MA34255-ICB1	1		
15:32	MA34255-CCV1	1		
15:33	MA34255-CCB1	1		
15:35	MA34255-CRI1	1		
15:41	MP80103-MB1	1		
15:42	MP80103-LC1	2		
15:43	MP80103-S1	1		
15:45	MP80103-S2	1		
15:46	JB68403-5	1		(sample used for QC only; not part of login JB68458)
15:48	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:52	MA34255-CCV2	1		
15:54	MA34255-CCB2	1		
15:55	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:09	MA34255-CCV3	1		
16:10	MA34255-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34255
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:12	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:34	MP80104-MB1	1		
16:35	MP80104-LC1	2		
16:36	MA34255-CCV4	1		
16:38	MA34255-CCB4	1		
16:39	MP80104-S1	1		Overrange
16:41	MP80104-S2	1		Overrange
16:43	JB68432-19	1		(sample used for QC only; not part of login JB68458)
16:45	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:53	ZZZZZZ	1		
16:55	MA34255-CCV5	1		
16:56	MA34255-CCB5	1		
16:58	ZZZZZZ	1		
16:59	JB68458-1	1		To be redigested using higher weight due to low % SOl
17:01	JB68458-2	1		
17:02	JB68458-5	1		
17:03	JB68458-6	1		
17:05	ZZZZZZ	1		
17:06	ZZZZZZ	1		
17:07	ZZZZZZ	5		
17:09	ZZZZZZ	5		
17:10	MA34255-CCV6	1		
17:12	MA34255-CCB6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34255
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:14	ZZZZZZ	5		
17:15	ZZZZZZ	5		
17:16	MP80104-S1	5		
17:18	MP80104-S2	5		
---------->	Last reportable sample/prep for job JB68458			
17:20	JB68432-19	2		(sample used for QC only; not part of login JB68458)
17:22	ZZZZZZ	2		
17:23	ZZZZZZ	5		
17:30	MA34255-CCV7	1		
17:31	MA34255-CCB7	1		
---------->	Last reportable CCB for job JB68458			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34255 Units: ug/l

Time: / Sample ID:			15:30 ICB1		15:33 CCB1		15:54 CCB2		16:10 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	0.026	<0.20	0.026	<0.20	-0.011	<0.20	-0.014	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34255 Units: ug/l

Time: / Sample ID:			16:38 CCB4		16:56 CCB5		17:12 CCB6		17:31 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	0.018	<0.20	-0.0030	<0.20	-0.0051	<0.20	0.026	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34255 Units: ug/l

Time:		15:29			15:32			15:52	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	2.5	2.5	100.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34255 Units: ug/l

Time:		16:09			16:36			16:55	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.7	108.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34255 Units: ug/l

Time:		17:10			17:30	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.8	112.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061714S2.CSV Date Analyzed: 06/17/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34255 Units: ug/l

Time:			15:35	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

10.3.3 10

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34257
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:08	MA34257-STD1	1		B=2.3339e-004,C=6.8431e-002,R=0.9997103
12:09	MA34257-STD2	1		STDB
12:11	MA34257-STD3	1		STDC
12:12	MA34257-STD4	1		STDD
12:13	MA34257-STD5	1		STDE
12:15	MA34257-STD6	1		STDF
12:18	MA34257-STD7	1		STDE
12:21	MA34257-ICV1	1		
12:22	MA34257-ICB1	1		
12:24	MA34257-ICCV1	1		
12:25	MA34257-CCB1	1		
12:27	MA34257-CRI1	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:38	ZZZZZZ	1		
12:39	MA34257-CCV1	1		
12:40	MA34257-CCB2	1		CCB failed
13:03	MA34257-CCV2	1		
13:04	MA34257-CCB3	1		
13:05	MA34257-CRI2	1		
13:07	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:16	MA34257-CCV3	1		
13:17	MA34257-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34257
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:45	MP80117-MB1	1		
13:46	MP80117-LC1	1		
13:47	MP80117-S1	1		
13:49	MP80117-S2	1		
13:50	JB68710-1	1		(sample used for QC only; not part of login JB68458)
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:56	ZZZZZZ	1		
13:57	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:00	MA34257-CCV4	1		
14:01	MA34257-CCB5	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:12	MP80118-MB1	1		
14:13	MP80118-LC1	1		
14:15	MP80118-S1	1		
14:16	MP80118-S2	1		
14:18	JB68411-1	1		(sample used for QC only; not part of login JB68458)
14:19	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:23	MA34257-CCV5	1		
14:24	MA34257-CCB6	1		
14:26	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:32	JB68458-4	1		
---------->	Last reportable sample/prep for job JB68458			
14:34	ZZZZZZ	1		
14:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34257
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:36	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:39	MA34257-CCV6	1		
14:40	MA34257-CCB7	1		
14:52	MP80087-MB2	1		
14:53	MP80087-B2	1		
15:14	MP80087-S1	1		
15:15	MP80087-S2	1		
15:17	JB69227-1	1		(sample used for QC only; not part of login JB68458)
15:26	MA34257-CRI3	1		
15:32	MP80119-MB1	1		CCV out
15:33	MP80119-B1	1		CCV out
15:34	MP80119-S1	1		CCV out
15:36	MA34257-CCV7	1		CCV failed
15:37	MA34257-CCB8	1		
---------->	Last reportable CCB for job JB68458			
15:39	MP80119-S2	1		CCV out
15:40	JB69326-1A	1		(sample used for QC only; not part of login JB68458)
15:46	MA34257-CCV8	1		
15:47	MA34257-CCB9	1		
15:48	MP80087-MB2	1		
15:50	MP80087-B2	1		
15:51	MP80087-S1	1		Decolorization
15:53	MP80087-S2	1		Decolorization
15:54	JB69227-1	1		(sample used for QC only; not part of login JB68458)
15:56	MP80119-MB1	1		
15:57	MP80119-B1	1		
15:58	MP80119-S1	1		
16:00	MA34257-CCV9	1		
16:01	MA34257-CCB10	1		
16:03	MP80119-S2	1		
16:04	JB69326-1A	1		(sample used for QC only; not part of login JB68458)
16:12	ZZZZZZ	1		
16:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34257
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:15	MP80120-MB1	1		
16:16	MP80120-B1	1		
16:17	MP80120-S1	1		Limited volume
16:19	MP80120-S2	1		Limited volume
16:20	JB68927-1A	1		(sample used for QC only; not part of login JB68458)
16:22	MA34257-CRI4	1		
16:23	MA34257-CCV10	1		
16:24	MA34257-CCB11	1		
16:31	ZZZZZZ	1		
16:32	MP80121-MB1	1		
16:34	MP80121-B1	1		
16:35	MP80121-S1	1		
16:36	MP80121-S2	1		
16:44	JB69381-1	1		(sample used for QC only; not part of login JB68458)
16:45	MP80027-MB2	1		
16:47	MP80027-LC1	1		
16:48	ZZZZZZ	1		
16:49	MA34257-CCV11	1		
16:51	MA34257-CCB12	1		
16:52	MP80085-MB2	1		
16:53	MP80085-LC1	1		
16:55	ZZZZZZ	1		
16:56	ZZZZZZ	1		
16:57	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:05	MA34257-CCV12	1		
17:07	MA34257-CCB13	1		
17:08	ZZZZZZ	1		
17:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34257
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:11	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:13	MP80122-MB1	1		
17:15	MP80122-B1	1		
17:16	MP80122-S1	1		
17:17	MP80122-S2	1		
17:19	JB68869-1A	1		(sample used for QC only; not part of login JB68458)
17:20	ZZZZZZ	1		
17:22	MA34257-CCV13	1		
17:23	MA34257-CCB14	1		
17:25	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:39	MA34257-CCV14	1		
17:40	MA34257-CCB15	1		
17:41	ZZZZZZ	1		
17:43	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:55	MA34257-CCV15	1		
17:56	MA34257-CCB16	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34257 Units: ug/l

Time: / Sample ID:			12:22 ICB1		12:25 CCB1		12:40 CCB2		13:04 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.0049	<0.20	0.045	<0.20	0.28	* (a)	0.0042	<0.20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34257 Units: ug/l

Time: / Sample ID:			13:17 CCB4		14:01 CCB5		14:24 CCB6		14:40 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	0.012	<0.20	0.00070	<0.20	0.027	<0.20	0.017	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34257 Units: ug/l

Time:			15:37	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Mercury	0.20	.038	0.0010	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 95 to 105 % Recovery Run ID: MA34257 Units: ug/l

Time:		12:24	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Mercury	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34257 Units: ug/l

Time:		12:21			12:39			13:03	
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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34257 Units: ug/l

Time:		13:16			14:00			14:23	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.3	92.0	2.5	2.3	92.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34257 Units: ug/l

Time:		14:39			15:36	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.3	92.0	2.5	2.2	88.0*(a)

(*) 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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061714W2.CSV Date Analyzed: 06/17/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34257 Units: ug/l

Time:			12:27		13:05		15:26	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Mercury	0.20		0.21	105.0	0.22	110.0	0.24	120.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34271
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:28	MA34271-STD1	1		STDA
11:29	MA34271-STD2	1		STDB
11:30	MA34271-STD3	1		STDC
11:32	MA34271-STD4	1		STDD
11:33	MA34271-STD5	1		STDE
11:35	MA34271-STD6	1		STDF
11:37	MA34271-ICV1	1		
11:38	MA34271-ICB1	1		
11:40	MA34271-CCV1	1		
11:41	MA34271-CCB1	1		
11:42	MA34271-CRI1	1		
11:50	MP80127-MB1	1		
11:52	MP80127-LC1	2		
11:53	MP80127-S1	1		
11:54	MP80127-S2	1		
11:56	JB69450-5	1		(sample used for QC only; not part of login JB68458)
11:58	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:02	MA34271-CCV2	1		
12:04	MA34271-CCB2	1		
12:06	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:15	JB68458-1	1		
---------->	Last reportable sample/prep for job JB68458			
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:19	MA34271-CCV3	1		
12:20	MA34271-CCV4	1		
12:22	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34271
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:24	MA34271-CCB3	1		
---------->	Last reportable CCB for job JB68458			
12:25	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:37	ZZZZZZ	20		
12:38	ZZZZZZ	5		
12:40	MA34271-CCV5	1		
12:41	MA34271-CCB4	1		
12:43	ZZZZZZ	5		
12:46	ZZZZZZ	100		
12:49	ZZZZZZ	100		
12:51	MA34271-CCV6	1		
12:52	MA34271-CCB5	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34271 Units: ug/l

Time: / Sample ID:			11:38 ICB1		11:41 CCB1		12:04 CCB2		12:24 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.046	<0.20	-0.019	<0.20	-0.16	<0.20	-0.0030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34271 Units: ug/l

Time:		11:37			11:40			12:02	
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	2.7	108.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34271 Units: ug/l

Time:		12:19			12:20	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.9	116.0	2.5	3.0	120.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8061814S2.CSV Date Analyzed: 06/18/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34271 Units: ug/l

Time:			11:42	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.15	75.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	5.9	11	-0.10	<200
Antimony	6.0	.8	2.6	0.10	<6.0
Arsenic	3.0	.8	2.6	0.20	<3.0
Barium	200	.3	1	0.10	<200
Beryllium	1.0	.09	.4	0.0	<1.0
Bismuth	20	1.4	2.4		
Boron	100	.7	4.9		
Cadmium	3.0	.2	.7	-0.10	<3.0
Calcium	5000	8.7	19	9.5	<5000
Chromium	10	.3	.89	0.20	<10
Cobalt	50	.3	.83	0.10	<50
Copper	10	2.2	1.2	0.0	<10
Iron	100	5.5	12	6.3	<100
Lead	3.0	.9	1.3	-0.10	<3.0
Lithium	20	1	2.8		
Magnesium	5000	19	41	31.9	<5000
Manganese	15	.2	.48	0.0	<15
Molybdenum	20	.4	1.1		
Nickel	10	.4	.75	-0.10	<10
Palladium	50	1.7	3.2		
Potassium	10000	37	50	43.1	<10000
Selenium	10	1.7	3.6	1.1	<10
Silicon	200	5.4	24		
Silver	10	.3	1.2	-0.10	<10
Sodium	10000	6.1	19	-8.9	<10000
Sulfur	50	4.3	10		
Strontium	10	.1	.76		
Thallium	2.0	1.3	1.8	0.0	<2.0
Tin	10	.6	3.6		
Titanium	10	.3	.93		
Tungsten	50	5.8	14		
Vanadium	50	.3	.87	0.10	<50
Zinc	20	.4	7.6	3.6	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.3	1.9		

Associated samples MP79919: JB68458-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/09/14				06/09/14	
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	1980	2000	99.0	80-120	4880	5000	97.6	80-120
Antimony	522	500	104.4	80-120	460	500	92.0	80-120
Arsenic	2090	2000	104.5	80-120	470	500	94.0	80-120
Barium	2060	2000	103.0	80-120	506	500	101.2	80-120
Beryllium	53.9	50	107.8	80-120	474	500	94.8	80-120
Bismuth								
Boron	anr							
Cadmium	50.5	50	101.0	80-120	471	500	94.2	80-120
Calcium	26000	25000	104.0	80-120	5520	5500	100.4	80-120
Chromium	212	200	106.0	80-120	484	500	96.8	80-120
Cobalt	510	500	102.0	80-120	460	500	92.0	80-120
Copper	247	250	98.8	80-120	452	500	90.4	80-120
Iron	1090	1000	109.0	80-120	5440	5500	98.9	80-120
Lead	527	500	105.4	80-120	479	500	95.8	80-120
Lithium								
Magnesium	26400	25000	105.6	80-120	5300	5500	96.4	80-120
Manganese	532	500	106.4	80-120	494	500	98.8	80-120
Molybdenum								
Nickel	525	500	105.0	80-120	476	500	95.2	80-120
Palladium								
Potassium	25700	25000	102.8	80-120	10200	10000	102.0	80-120
Selenium	2260	2000	113.0	80-120	507	500	101.4	80-120
Silicon								
Silver	52.3	50	104.6	80-120	197	200	98.5	80-120
Sodium	25600	25000	102.4	80-120	10100	10000	101.0	80-120
Sulfur								
Strontium								
Thallium	2230	2000	111.5	80-120	516	500	103.2	80-120
Tin	anr							
Titanium								
Tungsten								
Vanadium	498	500	99.6	80-120	462	500	92.4	80-120
Zinc	533	500	106.6	80-120	492	500	98.4	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79919
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		06/09/14				06/09/14		
Metal	BSP Result	Spikelot MPIOW9	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium								

Associated samples MP79919: JB68458-4

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.58	1.3	-0.069	<50
Antimony	2.0	.079	.27	-0.020	<2.0
Arsenic	2.0	.079	.29	0.040	<2.0
Barium	20	.03	.079	0.030	<20
Beryllium	0.20	.0089	.02	0.0099	<0.20
Bismuth	2.0	.14	.23		
Boron	9.9	.069	.18		
Cadmium	0.50	.02	.05	0.0	<0.50
Calcium	500	.86	3	0.52	<500
Chromium	0.99	.03	.069	0.13	<0.99
Cobalt	5.0	.03	.059	0.030	<5.0
Copper	2.5	.22	.15	0.030	<2.5
Iron	50	.54	.95	0.83	<50
Lead	2.0	.089	.21	0.059	<2.0
Lithium	2.0	.099	.2		
Magnesium	500	1.8	3.3	0.72	<500
Manganese	1.5	.02	.059	0.030	<1.5
Molybdenum	2.0	.04	.069		
Nickel	4.0	.04	.099	0.030	<4.0
Palladium	5.0	.17	.26		
Potassium	990	3.7	4	4.2	<990
Selenium	2.0	.17	.33	0.31	<2.0
Silicon	20	.53	3.9		
Silver	0.50	.03	.14	0.0	<0.50
Sodium	990	.6	1.9	0.88	<990
Strontium	0.99	.0099	.03		
Sulfur	5.0	.43	1		
Thallium	0.99	.13	.41	0.13	<0.99
Tin	5.0	.059	1.2		
Titanium	0.99	.03	.099		
Tungsten	5.0	.57	4.4		
Vanadium	5.0	.03	.089	0.030	<5.0
Zinc	2.0	.04	.38	0.11	<2.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.03	.26		

Associated samples MP79946: JB68458-1, JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68291-1 Original	MS	Spikelot MPIOS5	% Rec	QC Limits
Aluminum	2620	8590	5740	103.9	75-125
Antimony	0.16	91.0	106	85.4	75-125
Arsenic	1.2	402	425	94.2	75-125
Barium	19.7	426	425	95.5	75-125
Beryllium	0.19	10.5	10.6	96.9	75-125
Bismuth					
Boron					
Cadmium	0.18	9.8	10.6	90.4	75-125
Calcium	1660	2070	1330	30.8N(a)	75-125
Chromium	5.3	46.7	42.5	97.3	75-125
Cobalt	2.2	102	106	93.8	75-125
Copper	13.5	61.5	53.2	90.3	75-125
Iron	6350	11300	5530	89.5	75-125
Lead	34.1	137	106	96.7	75-125
Lithium					
Magnesium	1160	2500	1330	100.8	75-125
Manganese	152	262	106	103.4	75-125
Molybdenum	anr				
Nickel	5.2	107	106	95.7	75-125
Palladium					
Potassium	516	1920	1330	105.6	75-125
Selenium	0.50	431	425	101.2	75-125
Silicon					
Silver	0.0	10.2	10.6	95.9	75-125
Sodium	37.1	1330	1330	97.2	75-125
Strontium					
Sulfur					
Thallium	0.0	437	425	102.7	75-125
Tin					
Titanium					
Tungsten					
Vanadium	7.6	105	106	91.6	75-125
Zinc	36.8	141	106	98.0	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68291-1 Original MS	Spikelot MPIOS5	% Rec	QC Limits
Zirconium				

Associated samples MP79946: JB68458-1, JB68458-2, JB68458-5, JB68458-6

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68291-1 Original	MSD	Spikelot MPIOS5	% Rec	MSD RPD	QC Limit
Aluminum	2620	9180	6100	107.6	6.6	20
Antimony	0.16	96.9	113	85.7	6.3	20
Arsenic	1.2	425	452	93.9	5.6	20
Barium	19.7	455	452	96.4	6.6	20
Beryllium	0.19	11.2	11.3	97.5	6.5	20
Bismuth						
Boron						
Cadmium	0.18	10.5	11.3	91.4	6.9	20
Calcium	1660	2050	1410	27.6N(a)	1.0	20
Chromium	5.3	49.8	45.2	98.6	6.4	20
Cobalt	2.2	108	113	93.7	5.7	20
Copper	13.5	68.0	56.4	96.6	10.0	20
Iron	6350	12000	5870	96.3	6.0	20
Lead	34.1	151	113	103.6	9.7	20
Lithium						
Magnesium	1160	2680	1410	107.7	6.9	20
Manganese	152	306	113	136.4N(a	15.5	20
Molybdenum	anr					
Nickel	5.2	114	113	96.4	6.3	20
Palladium						
Potassium	516	1990	1410	104.5	3.6	20
Selenium	0.50	456	452	100.9	5.6	20
Silicon						
Silver	0.0	10.8	11.3	95.7	5.7	20
Sodium	37.1	1420	1410	98.0	6.5	20
Strontium						
Sulfur						
Thallium	0.0	463	452	102.5	5.8	20
Tin						
Titanium						
Tungsten						
Vanadium	7.6	113	113	93.4	7.3	20
Zinc	36.8	156	113	105.6	10.1	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/09/14

Metal	JB68291-1 Original MSD	Spikelot MPIOS5	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79946: JB68458-1, JB68458-2, JB68458-5, JB68458-6

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.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:		06/09/14				06/09/14		
Metal	LCS Result	Spikelot MPLC54082% Rec		QC Limits	BSP Result	Spikelot MPIOS5	% Rec	QC Limits
Aluminum	8840	8740	101.1	54-146	5050	5290	95.4	80-120
Antimony	88.2	108	81.7	2-215	95.8	98	97.7	80-120
Arsenic	150	151	99.3	81-120	389	392	99.2	80-120
Barium	258	262	98.5	83-117	391	392	99.7	80-120
Beryllium	131	133	98.5	82-118	10.0	9.8	102.0	80-120
Bismuth								
Boron								
Cadmium	150	152	98.7	82-118	9.3	9.8	94.9	80-120
Calcium	6320	6400	98.8	82-118	1220	1230	99.6	80-120
Chromium	119	117	101.7	79-121	39.7	39.2	101.2	80-120
Cobalt	69.0	68.7	100.4	83-117	95.7	98	97.6	80-120
Copper	65.8	68.6	95.9	81-119	46.3	49	94.5	80-120
Iron	12700	12300	103.3	40-160	5070	5100	99.5	80-120
Lead	257	254	101.2	81-119	98.0	98	100.0	80-120
Lithium								
Magnesium	3570	3600	99.2	77-123	1210	1230	98.7	80-120
Manganese	577	563	102.5	81-118	99.9	98	101.9	80-120
Molybdenum	anr							
Nickel	322	315	102.2	82-118	98.0	98	100.0	80-120
Palladium								
Potassium	3120	3040	102.6	70-130	1200	1230	97.9	80-120
Selenium	174	162	107.4	77-122	417	392	106.3	80-120
Silicon								
Silver	44.1	44.3	99.5	74-126	9.8	9.8	100.0	80-120
Sodium	741	746	99.3	72-128	1230	1230	100.4	80-120
Strontium								
Sulfur								
Thallium	283	259	109.3	79-122	415	392	105.8	80-120
Tin								
Titanium								
Tungsten								
Vanadium	116	116	100.0	77-122	92.7	98	94.6	80-120
Zinc	314	306	102.6	80-120	99.7	98	101.7	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:		06/09/14				06/09/14	
Metal	LCS Result	Spikelot MPLC54082% Rec	QC Limits	BSP Result	Spikelot MPIOS5	% Rec	QC Limits
Zirconium							

Associated samples MP79946: JB68458-1, JB68458-2, JB68458-5, JB68458-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	JB68291-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	24400	24900	2.3	0-10
Antimony	1.50	0.00	100.0(a)	0-10
Arsenic	11.2	21.4	91.1 (a)	0-10
Barium	184	188	2.3	0-10
Beryllium	1.80	1.70	5.6	0-10
Bismuth				
Boron				
Cadmium	1.70	3.10	82.4 (a)	0-10
Calcium	15500	15900	2.6	0-10
Chromium	49.5	51.9	4.8	0-10
Cobalt	20.7	23.0	11.1*(b)	0-10
Copper	126	128	1.7	0-10
Iron	59100	61000	3.1	0-10
Lead	318	323	1.8	0-10
Lithium				
Magnesium	10800	11100	2.5	0-10
Manganese	1420	1470	3.9	0-10
Molybdenum	anr			
Nickel	48.0	49.7	3.5	0-10
Palladium				
Potassium	4800	4840	0.7	0-10
Selenium	4.70	14.9	217.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	345	354	2.6	0-10
Strontium				
Sulfur				
Thallium	0.00	7.20	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	70.9	72.9	2.8	0-10
Zinc	343	360	4.9	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79946
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	JB68291-1 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79946: JB68458-1, JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80104 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/17/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0052	.0075	0.0098	<0.033

Associated samples MP80104: JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80104
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/17/14

Metal	JB68432-19 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.98	1.2	0.359	61.2N(a)	75-125

Associated samples MP80104: JB68458-2, JB68458-5, JB68458-6

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80104 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/17/14

Metal	JB68432-19 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.98	1.4	0.376	111.8	15.4	20

Associated samples MP80104: JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80104
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/17/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	5.4	5.76	93.8	71-129

Associated samples MP80104: JB68458-2, JB68458-5, JB68458-6

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80118
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/17/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.038	.064	0.079	<0.20

Associated samples MP80118: JB68458-4

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80118
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/17/14

Metal	JB68411-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.063	2.1	2	101.9	75-125

Associated samples MP80118: JB68458-4

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80118 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/17/14

Metal	JB68411-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.063	2.1	2	101.9	0.0	20

Associated samples MP80118: JB68458-4

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80118
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/17/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	1.8	2	90.0	80-120

Associated samples MP80118: JB68458-4

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80127 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/18/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0052	.0075	0.0061	<0.033

Associated samples MP80127: JB68458-1

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80127
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/18/14

Metal	JB69450-5 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	0.40	0.376	106.5	75-125

Associated samples MP80127: JB68458-1

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80127 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/18/14

Metal	JB69450-5 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.44	0.39	112.9	9.5	20

Associated samples MP80127: JB68458-1

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: JB68458
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80127
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/18/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	5.3	5.76	92.0	71-129

Associated samples MP80127: JB68458-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 03/17/14

Analyte	IDL ug/l
Mercury	.038

The above applies to the following instrument runs:
MA34257

Instrument Detection Limits

Job Number: JB68458
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:
MA34255,MA34271

Instrument Detection Limits

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 03/13/14

Analyte	IDL ug/l
Aluminum	5.9
Antimony	.8
Arsenic	.8
Barium	.3
Beryllium	.09
Bismuth	1.4
Boron	.7
Cadmium	.2
Calcium	8.7
Chromium	.3
Cobalt	.3
Copper	2.2
Iron	5.5
Lead	.9
Lithium	1
Magnesium	18.5
Manganese	.2
Molybdenum	.4
Nickel	.4
Palladium	1.7
Potassium	36.9
Selenium	1.7
Silicon	5.4
Silver	.3
Sodium	6.1
Sulfur	4.3
Strontium	.1
Thallium	1.3
Tin	.6
Titanium	.3
Tungsten	5.8
Vanadium	.3
Zinc	.4
Zirconium	.3

The above applies to the following instrument runs:
MA34208,MA34228

Instrument Linear Ranges

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34257

Instrument Linear Ranges

Job Number: JB68458
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:
MA34255,MA34271

Instrument Linear Ranges

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 01/29/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	25000
Arsenic	10000
Barium	50000
Beryllium	10000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	25000
Copper	50000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	500000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	500000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	50000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34208,MA34228

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/10/2014 10:27:43 Type: Cal
Method: Accutest1(v140) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0025**	**.0001**	**.0007**	**-.0002**	**.0000**	**.0034**	**.0000**	**-.0009**	**.0000**
Stddev	.0002	.0000	.0003	.0000	.000	.0000	.0000	.0000	.000
%RSD	7.700	38.66	43.69	15.22	153.6	.7624	3.238	3.425	80.34
#1	.0027	.0001	.0009	-.0002	.0000	.0034	.0000	-.0009	.0000
#2	.0024	.0001	.0005	-.0002	.0000	.0033	.0000	-.0009	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0003**	**.0004**	**-.0002**	**-.0002**	**.0002**	**.0011**	**.0010**	**.0079**
Stddev	.0000	.0001	.0000	.0000	.0000	.0001	.0002	.0001	.0002
%RSD	6.531	34.33	12.96	5.404	13.44	32.13	15.82	8.752	2.770
#1	-.0001	.0003	.0003	-.0002	-.0002	.0001	.0013	.0011	.0077
#2	-.0001	.0002	.0004	-.0002	-.0002	.0002	.0010	.0009	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0001**	**.0015**	**.0061**	**.0010**	**.0015**	**.0000**	**.0070**	**.0005**
Stddev	.0000	.0000	.0001	.0007	.0000	.0001	.000	.0002	.0001
%RSD	18.99	34.79	5.628	12.31	.4933	5.433	298.7	2.376	21.00
#1	-.0001	-.0001	.0016	.0066	.0010	.0015	.0000	.0071	.0006
#2	-.0001	.0000	.0014	.0055	.0010	.0014	.0000	.0069	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0004**	**-.0001**	**.0108**	**.0000**	**.0005**	**-.0011**	**-.0027**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0002
%RSD	20.32	2.537	.0419	163.0	20.74	7.722	8.665
#1	.0004	-.0001	.0108	.0000	.0005	-.0010	-.0029
#2	.0003	-.0001	.0108	.0000	.0004	-.0011	-.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110850.**	**15157.**	**2161.8**	**7113.5**
Stddev	72.	32.	2.7	4.9
%RSD	.06488	.21329	.12321	.06870
#1	110800.	15134.	2163.7	7117.0
#2	110900.	15179.	2159.9	7110.0

Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/10/2014 10:33:59 Type: Cal
Method: Accutest1(v140) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.26**	**11.11**	**4.451**	**1.449**	**.3072**	**1.008**	**.8131**	**1.149**	**.0684**
Stddev	.02	.04	.008	.000	.0007	.000	.0007	.000	.0000
%RSD	.1348	.3154	.1815	.0123	.2211	.0204	.0910	.0084	.0292
#1	11.25	11.08	4.446	1.449	.3067	1.008	.8126	1.149	.0684
#2	11.27	11.13	4.457	1.449	.3077	1.008	.8136	1.149	.0684

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5511**	**3.921**	**.8008**	**.1387**	**.5285**	**.4619**	**1.016**	**3.756**	**5.173**
Stddev	.0008	.004	.0006	.0010	.0000	.0009	.002	.013	.011
%RSD	.1483	.1154	.0806	.7266	.0047	.2011	.1916	.3552	.2201
#1	.5506	3.924	.8003	.1394	.5285	.4626	1.014	3.746	5.165
#2	.5517	3.917	.8012	.1380	.5285	.4613	1.017	3.765	5.181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.002**	**.4298**	**2.240**	**7.923**	**1.045**	**4.209**	**.2351**	**2.964**	**.7062**
Stddev	.006	.0013	.005	.024	.003	.006	.0001	.007	.0001
%RSD	.2051	.2992	.2066	.3005	.2788	.1347	.0264	.2264	.0186
#1	2.998	.4289	2.237	7.906	1.043	4.205	.2352	2.960	.7061
#2	3.006	.4307	2.243	7.940	1.047	4.213	.2351	2.969	.7063

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.60**	**.6225**	**1.953**	**1.521**	**.3176**	**1.444**	**3.033**
Stddev	.20	.0006	.024	.001	.0006	.004	.003
%RSD	1.253	.0905	1.218	.0319	.1768	.2495	.1094
#1	15.46	.6221	1.936	1.521	.3180	1.442	3.031
#2	15.74	.6229	1.970	1.521	.3172	1.447	3.036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101150.**	**14865.**	**2013.0**	**6165.0**
Stddev	59.	82.	5.5	10.5
%RSD	.05835	.55103	.27122	.16958
#1	101200.	14923.	2016.8	6172.4
#2	101110.	14807.	2009.1	6157.6

Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 10:40:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.065**	**2.003**	**2.013**	**1.998**	**1.972**	**2.039**	**2.035**	**.2411**
Stddev	.016	.019	.003	.007	.012	.022	.012	.008	.0023
%RSD	.7545	.9073	.1608	.3402	.6187	1.101	.5823	.4095	.9507
#1	2.060	2.079	2.005	2.018	1.989	1.957	2.031	2.041	.2395
#2	2.038	2.052	2.001	2.009	2.007	1.988	2.048	2.029	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.044**	**1.992**	**2.080**	**2.037**	**1.996**	**1.987**	**40.20**	**40.79**
Stddev	.013	.006	.005	.016	.006	.004	.004	.26	.50
%RSD	.6411	.2926	.2574	.7486	.3089	.1929	.1894	.6571	1.227
#1	1.988	2.048	1.995	2.091	2.041	1.999	1.989	40.38	41.15
#2	2.006	2.040	1.988	2.069	2.032	1.994	1.984	40.01	40.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.94**	**40.35**	**40.25**	**40.45**	**2.009**	**2.026**	**1.966**	**4.935**	**2.043**
Stddev	.44	.42	.24	.24	.001	.005	.022	.009	.007
%RSD	1.070	1.045	.6012	.5988	.0711	.2358	1.122	.1805	.3473
#1	41.25	40.65	40.42	40.62	2.010	2.029	1.951	4.941	2.048
#2	40.63	40.05	40.08	40.28	2.008	2.023	1.982	4.929	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 10:40:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079**	**2.002**	**2.008**	**1.989**	**1.957**	**1.993**	**2.007**
Stddev	.020	.016	.004	.020	.012	.003	.014
%RSD	.9835	.8209	.2141	.9845	.6005	.1388	.6801
#1	2.093	1.991	2.005	1.975	1.965	1.995	2.017
#2	2.064	2.014	2.011	2.003	1.949	1.991	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105780.**	**14900.**	**2101.0**	**6462.2**
Stddev	804.	128.	3.1	22.5
%RSD	.75967	.85741	.14832	.34773
#1	106350.	14810.	2098.7	6446.3
#2	105210.	14991.	2103.2	6478.0

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 10:46:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0001**	**.0004**	**.0003**	**.0002**	**.0004**	**.0005**	**-.0002**
Stddev	.0001	.0001	.0002	.0002	.0000	.0002	.0000	.0000	.0001
%RSD	12.97	19.94	155.8	42.44	13.76	159.1	7.605	1.895	33.19
#1	.0007	.0004	.0002	.0005	.0003	.0003	.0004	.0005	-.0002
#2	.0008	.0006	.0000	.0003	.0004	.0000	.0003	.0005	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	**.0024**	**-.0007**	**.0001**	**-.0029**	**-.0001**	**.0066**	**.0095**
Stddev	.0000	.0001	.0005	.0007	.0003	.0014	.0007	.0007	.0019
%RSD	4.172	16.75	19.97	97.98	309.2	46.34	1258.	10.11	20.03
#1	.0008	.0007	.0021	-.0012	-.0001	-.0039	.0005	.0070	.0081
#2	.0009	.0006	.0027	-.0002	.0003	-.0020	-.0006	.0061	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0150**	**.0104**	**.0389**	**.0200**	**.0018**	F **.0041**	**.0004**	**.0003**	**-.0012**
Stddev	.0044	.0118	.0167	.0054	.0002	.0005	.0006	.0005	.0007
%RSD	29.17	113.4	42.88	27.05	13.73	12.45	150.2	184.4	55.13
#1	.0119	.0188	.0271	.0162	.0020	.0045	.0009	.0007	-.0017
#2	.0181	.0021	.0508	.0238	.0016	.0037	.0000	-.0001	-.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 10:46:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0006**	F **.0447**	F **.0023**	**.0019**	**.0005**	**.0014**
Stddev	.0001	.0002	.0050	.0001	.0004	.0004	.0001
%RSD	21.63	31.15	11.12	2.401	22.98	73.33	6.904
#1	.0004	.0007	.0482	.0023	.0023	.0002	.0015
#2	.0006	.0005	.0412	.0022	.0016	.0008	.0013
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110430.**	**15392.**	**2162.1**	**7101.6**
Stddev	105.	373.	.6	1.9
%RSD	.09514	2.4251	.02781	.02639
#1	110510.	15656.	2162.5	7100.2
#2	110360.	15128.	2161.7	7102.9

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/10/2014 10:52:28 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2127**	**.0024**	**.0035**	**.0525**	**.0113**	**.0106**	**.0169**	**.0106**	**.0050**
Stddev	.0009	.0000	.0001	.0002	.0002	.0004	.0001	.0002	.0004
%RSD	.4033	1.068	2.591	.3261	1.849	3.439	.6632	1.626	7.229
#1	.2121	.0025	.0036	.0524	.0114	.0108	.0169	.0107	.0048
#2	.2133	.0024	.0034	.0527	.0111	.0103	.0170	.0104	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0545**	**.0237**	F **.0104**	**.0075**	**.0029**	**.0112**	**.0058**	**.2095**	**5.231**
Stddev	.0001	.0000	.0001	.0002	.0003	.0015	.0011	.0070	.015
%RSD	.1160	.1746	1.234	2.953	11.47	13.25	19.19	3.341	.2900
#1	.0545	.0237	.0105	.0077	.0031	.0101	.0066	.2145	5.221
#2	.0545	.0237	.0104	.0074	.0026	.0122	.0051	.2046	5.242

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1180**	**5.281**	**5.319**	**5.136**	**.1089**	**.0238**	**.0600**	**.2288**	**.0115**
Stddev	.0003	.024	.028	.032	.0006	.0000	.0003	.0010	.0003
%RSD	.2921	.4597	.5163	.6261	.5940	.1379	.4444	.4424	2.399
#1	.1183	5.264	5.300	5.113	.1085	.0237	.0598	.2281	.0113
#2	.1178	5.298	5.339	5.159	.1094	.0238	.0602	.2295	.0117

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0112**	**.0116**	F **.0720**	**.0126**	**.0512**	**.0221**	**.0215**
Stddev	.0001	.0002	.0002	.0000	.0003	.0003	.0005
%RSD	.4622	1.513	.3214	.2526	.5986	1.577	2.329
#1	.0112	.0117	.0721	.0126	.0514	.0223	.0219
#2	.0112	.0115	.0718	.0125	.0509	.0218	.0211

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108220.**	**14995.**	**2123.9**	**6885.9**
Stddev	496.	77.	9.7	28.6
%RSD	.45874	.51659	.45441	.41564
#1	108570.	15050.	2130.7	6906.2
#2	107870.	14941.	2117.1	6865.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/10/2014 11:02:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.048**	**2.041**	**2.046**	**2.035**	**2.030**	**2.083**	**2.066**	**.2460**
Stddev	.001	.003	.004	.004	.004	.010	.004	.004	.0011
%RSD	.0658	.1275	.1800	.1900	.1943	.5015	.2167	.1946	.4396
#1	2.031	2.046	2.038	2.041	2.034	2.020	2.081	2.062	.2450
#2	2.033	2.048	2.045	2.046	2.032	2.030	2.080	2.066	.2458
#3	2.034	2.051	2.042	2.049	2.040	2.040	2.088	2.070	.2471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.069**	**2.024**	**2.096**	**2.065**	**2.036**	**2.032**	**39.95**	**40.22**
Stddev	.004	.005	.001	.007	.004	.005	.006	.01	.11
%RSD	.2196	.2304	.0582	.3276	.1808	.2287	.2873	.0263	.2719
#1	2.043	2.067	2.023	2.093	2.065	2.030	2.026	39.95	40.18
#2	2.048	2.066	2.025	2.091	2.061	2.039	2.038	39.94	40.13
#3	2.052	2.074	2.025	2.104	2.068	2.037	2.033	39.96	40.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.55**	**39.77**	**39.96**	**40.16**	**2.052**	**2.064**	**2.017**	**5.038**	**2.072**
Stddev	.08	.07	.08	.04	.006	.004	.008	.014	.004
%RSD	.2048	.1746	.2051	.1060	.3146	.1833	.4054	.2733	.1952
#1	40.60	39.77	39.89	40.12	2.048	2.060	2.011	5.025	2.067
#2	40.46	39.70	39.93	40.16	2.060	2.066	2.013	5.053	2.074
#3	40.60	39.84	40.05	40.20	2.049	2.066	2.026	5.036	2.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/10/2014 11:02:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.064**	**2.047**	**2.035**	**2.033**	**1.974**	**2.040**	**1.993**
Stddev	.001	.005	.015	.003	.007	.008	.001
%RSD	.0503	.2452	.7541	.1456	.3778	.4000	.0635
#1	2.064	2.043	2.018	2.030	1.975	2.033	1.992
#2	2.063	2.046	2.039	2.033	1.967	2.049	1.995
#3	2.064	2.052	2.048	2.036	1.981	2.038	1.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103450.**	**15048.**	**2058.0**	**6344.4**
Stddev	328.	81.	4.9	10.5
%RSD	.31728	.54104	.23654	.16560
#1	103660.	15026.	2062.7	6355.6
#2	103620.	15138.	2053.0	6334.7
#3	103070.	14980.	2058.4	6342.8

Zoom In Zoom Out

Sample Name: icb Acquired: 6/10/2014 11:16:49 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0000**	**.0004**	**.0001**	**.0001**	**.0001**	**.0002**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0004	.0001	.0000	.0002	.0002
%RSD	8.316	12.03	424.4	25.67	279.9	59.75	27.86	145.1	285.2
#1	.0004	.0002	.0000	.0003	-.0001	.0001	.0002	.0003	.0002
#2	.0004	.0002	.0001	.0005	.0004	.0001	.0001	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**.0018**	**-.0007**	**-.0003**	**-.0006**	**-.0004**	**.0035**	**.0060**
Stddev	.0002	.0001	.0006	.0018	.0006	.0018	.0002	.0039	.0018
%RSD	139.9	22.54	36.01	246.9	213.0	280.7	54.84	110.0	30.38
#1	.0003	.0005	.0013	.0005	.0002	-.0019	-.0002	.0063	.0047
#2	.0000	.0003	.0022	-.0020	-.0008	.0006	-.0005	.0008	.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0227**	**.0404**	**.0054**	**.0009**	**.0017**	**-.0004**	**.0006**	**-.0005**
Stddev	.0018	.0041	.0273	.0006	.0001	.0001	.0003	.0001	.0000
%RSD	30.91	17.86	67.64	11.49	6.302	3.243	69.20	12.26	7.260
#1	.0045	.0198	.0597	.0059	.0008	.0016	-.0006	.0007	-.0005
#2	.0070	.0256	.0211	.0050	.0009	.0017	-.0002	.0006	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/10/2014 11:16:49 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	F **.0216**	**.0009**	**.0018**	**.0002**	**.0007**
Stddev	.0000	.0000	.0009	.0001	.0008	.0004	.0002
%RSD	13.89	2.753	3.956	10.30	42.73	227.9	33.65
#1	.0002	.0004	.0222	.0009	.0012	-.0001	.0009
#2	.0002	.0004	.0210	.0010	.0023	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109070.**	**15173.**	**2162.5**	**7102.7**
Stddev	1569.	46.	20.6	58.1
%RSD	1.4384	.30271	.95037	.81772
#1	110180.	15206.	2177.0	7143.7
#2	107960.	15141.	2147.9	7061.6

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/10/2014 11:21:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.049**	**2.015**	**2.021**	**2.023**	**1.994**	**2.060**	**2.041**	**.2433**
Stddev	.003	.007	.005	.004	.004	.014	.006	.004	.0012
%RSD	.1348	.3441	.2261	.2200	.1957	.7230	.3143	.2188	.5049
#1	2.031	2.056	2.020	2.026	2.017	1.973	2.050	2.045	.2416
#2	2.033	2.051	2.014	2.019	2.025	1.995	2.061	2.039	.2437
#3	2.030	2.052	2.009	2.016	2.026	2.002	2.065	2.036	.2445
#4	2.026	2.039	2.016	2.022	2.022	2.004	2.063	2.045	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.046**	**1.994**	**2.054**	**2.040**	**1.997**	**2.004**	**39.77**	**40.47**
Stddev	.011	.005	.006	.008	.004	.005	.005	.18	.17
%RSD	.5576	.2283	.2850	.4047	.1985	.2417	.2524	.4424	.4081
#1	1.993	2.051	1.995	2.067	2.042	2.004	2.010	39.87	40.68
#2	2.009	2.043	1.992	2.050	2.039	1.994	2.001	39.86	40.28
#3	2.015	2.041	1.987	2.050	2.035	1.993	1.998	39.84	40.47
#4	2.018	2.049	2.001	2.050	2.045	1.997	2.006	39.51	40.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.04**	**40.00**	**39.99**	**2.025**	**2.035**	**1.998**	**4.971**	**2.045**
Stddev	.17	.11	.11	.10	.005	.005	.013	.010	.006
%RSD	.4289	.2801	.2765	.2469	.2501	.2623	.6554	.1973	.2999
#1	40.97	40.16	40.12	40.02	2.029	2.037	1.980	4.982	2.048
#2	40.67	39.89	39.97	40.03	2.023	2.031	2.000	4.961	2.046
#3	40.66	40.01	40.06	40.06	2.018	2.030	2.008	4.966	2.036
#4	40.56	40.08	39.86	39.84	2.028	2.041	2.006	4.976	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/10/2014 11:21:34 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.026**	**2.014**	**2.019**	**1.936**	**2.012**	**2.000**
Stddev	.005	.008	.018	.006	.006	.003	.003
%RSD	.2395	.3839	.8741	.2993	.3239	.1640	.1380
#1	2.079	2.015	1.995	2.010	1.941	2.016	2.003
#2	2.074	2.027	2.008	2.022	1.928	2.010	2.003
#3	2.068	2.032	2.018	2.020	1.933	2.008	1.998
#4	2.070	2.031	2.037	2.024	1.940	2.012	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104570.**	**14958.**	**2083.2**	**6421.1**
Stddev	402.	60.	3.2	13.8
%RSD	.38468	.40248	.15332	.21452
#1	105110.	14880.	2079.1	6403.7
#2	104600.	15005.	2085.7	6435.5
#3	104360.	14939.	2085.8	6427.7
#4	104190.	15006.	2082.1	6417.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 11:38:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0009**	**.0003**	**.0003**	**.0006**	**.0006**	**.0006**	**.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0002	.0001	.0000	.0002	.0001
%RSD	10.16	3.248	24.23	2.710	35.03	17.32	2.746	48.48	37.60
#1	.0012	.0009	.0004	.0003	.0008	.0007	.0006	.0004	-.0002
#2	.0010	.0008	.0003	.0003	.0005	.0005	.0006	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0006**	**.0015**	**-.0003**	**-.0001**	**.0014**	**-.0003**	**.0188**	**.0188**
Stddev	.0003	.0001	.0000	.0014	.0004	.0007	.0003	.0016	.0004
%RSD	41.54	10.83	2.006	483.8	373.0	53.81	100.6	8.543	2.095
#1	.0009	.0006	.0015	-.0013	-.0004	.0019	-.0005	.0177	.0186
#2	.0005	.0005	.0015	.0007	.0002	.0009	-.0001	.0200	.0191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0191**	**.0490**	**.0428**	**.0135**	**.0010**	**.0015**	**.0007**	**.0011**	**.0000**
Stddev	.0020	.0183	.0118	.0052	.0004	.0001	.0005	.0010	.0008
%RSD	10.69	37.46	27.52	38.77	35.61	4.944	74.45	95.41	2423.
#1	.0206	.0619	.0345	.0098	.0008	.0015	.0011	.0018	.0006
#2	.0177	.0360	.0511	.0172	.0013	.0016	.0003	.0003	-.0006
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 11:38:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0008**	F **.0157**	F **.0010**	**.0001**	**.0001**	**.0017**
Stddev	.0000	.0003	.0013	.0002	.0002	.0004	.0006
%RSD	1.526	33.83	8.336	20.23	194.0	289.8	37.47
#1	.0009	.0009	.0167	.0009	.0003	-.0002	.0013
#2	.0009	.0006	.0148	.0012	.0000	.0004	.0022
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110890.**	**15214.**	**2175.4**	**7169.1**
Stddev	199.	86.	.5	3.3
%RSD	.17975	.56650	.02313	.04542
#1	110750.	15153.	2175.8	7171.4
#2	111030.	15275.	2175.1	7166.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 11:45:53 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	F **.0015**	**.0012**	**.0035**	**.0023**	**.0026**	**.0036**	**.0044**
Stddev	.0001	.0001	.0001	.0001	.0001	.0003	.0000	.0001
%RSD	1.133	7.158	7.503	3.812	2.546	12.74	.0578	1.801
#1	.0046	.0015	.0013	.0035	.0023	.0028	.0036	.0045
#2	.0046	.0014	.0012	.0034	.0022	.0023	.0036	.0044
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0010						
Range		30.00%						

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0024**	F **.0133**	**.0039**	F **-.0002**	**.0022**	F **.0076**	**.0027**
Stddev	.0001	.0001	.0000	.0001	.0003	.0003	.0007	.0001
%RSD	15.64	3.595	.1422	2.903	136.7	12.97	9.496	2.159
#1	.0008	.0024	.0133	.0038	.0000	.0020	.0081	.0027
#2	.0006	.0023	.0133	.0040	-.0005	.0024	.0071	.0026
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	.0010		.0100		.0020		.0050	
Range	-30.00%		30.00%		-30.00%		30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1109**	**1.054**	**.0133**	F **.1472**	**2.107**	**1.032**	**.0109**	**.0007**
Stddev	.0044	.004	.0002	.0082	.010	.001	.0001	.0000
%RSD	3.953	.3626	1.164	5.553	.4871	.0576	.9877	4.021
#1	.1140	1.051	.0132	.1530	2.114	1.032	.0109	.0007
#2	.1078	1.056	.0134	.1414	2.100	1.031	.0110	.0007
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 11:45:53 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0017**	**.0004**	**.0005**	**.0005**	**.0040**	**.0004**	**.0018**
Stddev	.0001	.0004	.0002	.0000	.0002	.0006	.0001	.0009
%RSD	36.34	24.90	44.76	5.487	37.73	15.11	15.20	50.25
#1	-.0002	-.0014	.0003	.0005	.0004	.0044	.0005	.0011
#2	-.0004	-.0020	.0005	.0005	.0006	.0036	.0004	.0024
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0008**	**.0010**
Stddev	.0005	.0001
%RSD	66.50	12.78
#1	.0011	.0011
#2	.0004	.0009
Check ?	None	None
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110610.**	**15285.**	**2169.0**	**7101.5**
Stddev	100.	56.	5.0	6.6
%RSD	.09004	.36602	.23027	.09288
#1	110680.	15325.	2172.5	7106.1
#2	110540.	15246.	2165.4	7096.8

Zoom In Zoom Out

Sample Name: mp79914-mb1conf Acquired: 6/10/2014 11:53:44 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**-.0001**	**.0000**	**.0002**	**.0054**	**.0013**	**.0008**	**.0261**	**.0000**
Stddev	.0002	.0000	.000	.0001	.0003	.0002	.0000	.0000	.000
%RSD	19.56	3.351	2050.	56.66	5.687	13.35	6.385	.0792	184.6
#1	.0007	-.0001	-.0001	.0003	.0052	.0011	.0008	.0261	.0000
#2	.0009	-.0001	.0001	.0001	.0056	.0014	.0007	.0261	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0046**	**.0007**	**-.0009**	**.0003**	**.0017**	**.0003**	**.0195**	**.1602**
Stddev	.0002	.0000	.0001	.0015	.0002	.0007	.0002	.0019	.0019
%RSD	67.29	.6721	9.478	156.8	60.90	38.36	70.51	9.947	1.197
#1	.0005	.0046	.0007	-.0020	.0005	.0012	.0004	.0182	.1588
#2	.0002	.0046	.0006	.0001	.0002	.0022	.0001	.0209	.1615

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0622**	**.0787**	**.0408**	**.0418**	**.0006**	**.0065**	**-.0010**	**.0337**	**.0362**
Stddev	.0005	.0044	.0130	.0000	.0001	.0001	.0003	.0006	.0005
%RSD	.7721	5.655	31.79	.0147	13.63	1.281	28.06	1.818	1.315
#1	.0625	.0755	.0499	.0418	.0006	.0065	-.0012	.0333	.0359
#2	.0618	.0818	.0316	.0418	.0007	.0064	-.0008	.0342	.0366

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0013**	**.0098**	**.0008**	**.0058**	**.0001**	**.0006**
Stddev	.0000	.0000	.0001	.0001	.0007	.0013	.0003
%RSD	11.50	1.954	.8666	13.76	11.15	2077.	50.14
#1	.0005	.0013	.0097	.0009	.0054	-.0008	.0004
#2	.0004	.0013	.0098	.0007	.0063	.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110830.**	**15292.**	**2145.6**	**7058.8**
Stddev	80.	13.	4.3	6.2
%RSD	.07188	.08366	.19975	.08746
#1	110890.	15301.	2148.7	7063.1
#2	110780.	15283.	2142.6	7054.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:00:00 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0010**	**.0009**	**.0032**	**.0019**	**.0021**	**.0034**	**.0044**	**.0013**
Stddev	.0000	.0000	.0001	.0000	.0002	.0000	.0001	.0001	.0002
%RSD	.6129	2.323	7.274	.3255	12.94	.8408	1.574	1.313	13.84
#1	.0044	.0010	.0008	.0032	.0021	.0021	.0034	.0044	.0011
#2	.0045	.0011	.0009	.0032	.0017	.0021	.0034	.0044	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0130**	**.0038**	**F .0027**	**.0023**	**F .0074**	**.0029**	**.1005**	**1.045**
Stddev	.0000	.0000	.0002	.0006	.0002	.0000	.0001	.0024	.002
%RSD	.8027	.2154	6.232	22.07	7.888	.0740	4.290	2.401	.1455
#1	.0021	.0130	.0036	.0023	.0025	.0074	.0028	.0988	1.046
#2	.0021	.0130	.0040	.0032	.0022	.0074	.0030	.1022	1.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0020		.0050			
Range				30.00%		30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.1080**	**2.123**	**1.036**	**.0099**	**-.0002**	**-.0004**	**-.0024**	**-.0002**
Stddev	.0015	.0314	.000	.004	.0003	.0001	.0007	.0008	.0000
%RSD	31.75	29.06	.0027	.3687	3.173	55.11	200.3	31.03	.7981
#1	.0036	.1302	2.123	1.033	.0101	-.0001	-.0009	-.0030	-.0002
#2	.0058	.0858	2.123	1.038	.0097	-.0003	.0002	-.0019	-.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:00:00 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0052**	**-.0003**	**.0021**	**-.0004**	**.0016**
Stddev	.000	.0003	.0000	.0000	.0001	.0010	.0006
%RSD	69.50	225.0	.1430	1.606	3.510	258.6	38.22
#1	-.0001	-.0003	-.0052	-.0003	.0021	-.0011	.0020
#2	.0000	.0001	-.0052	-.0003	.0020	.0003	.0011
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109010.**	**15153.**	**2159.9**	**7057.4**
Stddev	286.	54.	2.2	.3
%RSD	.26275	.35743	.10416	.00482
#1	109210.	15192.	2161.5	7057.2
#2	108810.	15115.	2158.3	7057.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 12:06:17 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2082**	**.0022**	**.0033**	**.0513**	**.0110**	**.0105**	**.0166**	**.0106**	**.0048**
Stddev	.0001	.0000	.0001	.0002	.0003	.0001	.0001	.0000	.0001
%RSD	.0663	.1547	1.612	.3568	2.681	.4911	.8168	.2206	1.783
#1	.2081	.0022	.0034	.0512	.0108	.0106	.0167	.0106	.0049
#2	.2083	.0022	.0033	.0514	.0112	.0105	.0165	.0105	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0538**	**.0236**	**.0088**	**.0081**	**.0029**	**.0123**	**.0060**	**.1990**	**5.042**
Stddev	.0003	.0002	.0000	.0001	.0008	.0005	.0005	.0029	.015
%RSD	.5876	1.013	.4215	.6352	27.38	4.113	8.076	1.447	.2992
#1	.0540	.0234	.0089	.0082	.0035	.0120	.0057	.2011	5.031
#2	.0536	.0238	.0088	.0081	.0024	.0127	.0063	.1970	5.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1129**	**5.092**	**5.198**	**5.044**	**.1058**	**.0214**	**.0597**	**.2239**	**.0113**
Stddev	.0027	.037	.024	.013	.0003	.0000	.0006	.0017	.0004
%RSD	2.434	.7275	.4530	.2520	.2806	.1334	1.044	.7573	3.964
#1	.1149	5.066	5.181	5.053	.1056	.0214	.0601	.2227	.0110
#2	.1110	5.118	5.214	5.035	.1060	.0214	.0592	.2251	.0116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 12:06:17 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0110**	**.0457**	**.0105**	**.0503**	**.0224**	**.0225**
Stddev	.0001	.0000	.0009	.0000	.0004	.0011	.0002
%RSD	.5684	.1338	1.964	.4438	.7850	4.738	.8952
#1	.0106	.0110	.0451	.0105	.0506	.0217	.0224
#2	.0107	.0110	.0464	.0105	.0500	.0232	.0226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107920.**	**15122.**	**2130.3**	**6899.1**
Stddev	80.	22.	13.6	31.4
%RSD	.07423	.14837	.63610	.45511
#1	107860.	15138.	2139.9	6921.3
#2	107980.	15106.	2120.7	6876.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 12:12:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0000**	**-.0002**	**.0000**	**.0005**	**.0000**
Stddev	.0002	.0001	.0000	.0002	.000	.0000	.000	.0002	.000
%RSD	69.24	79.27	30.54	227.4	135.8	15.71	94.61	40.17	1457.
#1	.0004	.0000	-.0001	-.0001	-.0001	-.0002	.0000	.0007	.0001
#2	.0001	-.0001	.0000	.0003	.0000	-.0002	-.0001	.0004	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0019**	**.0200**	**.0009**	**.0210**	**.0230**	**.0191**	**.4892**	**.0059**
Stddev	.0001	.0000	.0003	.0015	.0005	.0011	.0009	.0011	.0005
%RSD	72.28	1.813	1.558	168.0	2.223	4.996	4.978	.2219	7.634
#1	.0000	.0019	.0203	-.0002	.0214	.0222	.0184	.4885	.0056
#2	.0002	.0019	.0198	.0020	.0207	.0238	.0197	.4900	.0062
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5200**	**.0253**	**.0066**	**-.0022**	**-.0008**	**-.0004**	**-.0012**	**.0001**	**-.0005**
Stddev	.0049	.0102	.0132	.0040	.0001	.0001	.0005	.0003	.0002
%RSD	.9432	40.30	201.7	183.7	12.43	19.43	41.26	235.0	32.73
#1	.5234	.0181	-.0028	-.0050	-.0009	-.0005	-.0008	-.0001	-.0004
#2	.5165	.0325	.0159	.0007	-.0007	-.0004	-.0015	.0004	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 12:12:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0066**	**-.0002**	**.0003**	**-.0003**	**.0001**
Stddev	.000	.000	.0002	.0001	.0006	.0008	.0004
%RSD	3.046	176.0	2.626	47.22	240.0	315.6	248.2
#1	.0000	-.0001	-.0067	-.0003	-.0002	-.0008	.0004
#2	.0000	.0000	-.0065	-.0001	.0007	.0003	-.0001
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110680.**	**15238.**	**2173.5**	**7127.2**
Stddev	63.	23.	3.4	4.0
%RSD	.05682	.15002	.15820	.05657
#1	110630.	15221.	2176.0	7130.0
#2	110720.	15254.	2171.1	7124.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 12:18:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0000**	**.0010**	**.0035**	**-.0005**	**-.0013**	**-.0012**	**-.0006**	**-.0045**
Stddev	.0002	.000	.0001	.0000	.0006	.0001	.0001	.0005	.0001
%RSD	30.59	487.3	5.520	.4274	106.0	7.772	4.595	84.23	1.797
#1	-.0004	.0000	.0009	.0035	-.0001	-.0014	-.0013	-.0003	-.0046
#2	-.0007	-.0001	.0010	.0035	-.0009	-.0013	-.0012	-.0010	-.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**-.0002**	**.0025**	**.0037**	**-.0050**	**.0083**	**-.0010**	**494.1**	**378.1**
Stddev	.0001	.0001	.0009	.0002	.0012	.0042	.0008	.8	3.4
%RSD	6.251	70.32	36.62	4.565	24.64	50.30	85.42	.1707	.9101
#1	-.0018	-.0001	.0018	.0038	-.0058	.0053	-.0016	494.7	380.5
#2	-.0020	-.0003	.0031	.0036	-.0041	.0112	-.0004	493.5	375.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**188.6**	**525.1**	**.0315**	**.0122**	**-.0120**	**-.0024**	**-.0165**	**-.0046**	**.0081**
Stddev	.6	1.4	.0080	.0040	.0004	.0000	.0001	.0027	.0007
%RSD	.2926	.2726	25.30	33.18	3.736	.1057	.8386	58.53	9.128
#1	189.0	526.2	.0258	.0150	-.0117	-.0024	-.0164	-.0065	.0087
#2	188.2	524.1	.0371	.0093	-.0123	-.0024	-.0166	-.0027	.0076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 12:18:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0024**	**.0122**	**.0091**	**-.0428**	**.0022**	**.0050**
Stddev	.0000	.0002	.0024	.0003	.0017	.0007	.0008
%RSD	7.360	6.329	19.36	3.225	3.854	31.46	15.97
#1	-.0006	.0025	.0139	.0093	-.0440	.0027	.0056
#2	-.0007	.0023	.0106	.0089	-.0416	.0017	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95244.**	**14466.**	**1906.6**	**5712.2**
Stddev	276.	74.	5.1	13.2
%RSD	.28993	.51057	.26530	.23044
#1	95048.	14414.	1910.2	5721.5
#2	95439.	14518.	1903.0	5702.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 12:25:14 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4929**	**.4864**	**1.034**	**.4850**	**.4721**	**.5143**	**.4979**	**.9725**	**1.075**
Stddev	.0277	.0278	.018	.0082	.0115	.0083	.0097	.0142	.018
%RSD	5.629	5.716	1.782	1.682	2.439	1.621	1.958	1.462	1.651
#1	.5126	.5061	1.047	.4907	.4639	.5084	.4910	.9826	1.062
#2	.4733	.4668	1.021	.4792	.4802	.5202	.5047	.9625	1.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4649**	**.9661**	**1.089**	**.9791**	**.9482**	**1.090**	**1.046**	**481.9**	**370.9**
Stddev	.0101	.0162	.019	.0117	.0157	.017	.014	23.4	20.5
%RSD	2.176	1.675	1.738	1.196	1.658	1.565	1.319	4.862	5.516
#1	.4577	.9776	1.102	.9873	.9593	1.102	1.056	498.4	385.4
#2	.4720	.9547	1.076	.9708	.9371	1.078	1.036	465.3	356.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.8**	**513.7**	**.0078**	**.0015**	**-.0122**	**.4971**	**.5560**	**-.0053**	**.0062**
Stddev	10.9	30.2	.0204	.0026	.0011	.0090	.0115	.0002	.0022
%RSD	5.797	5.873	262.5	173.9	9.232	1.805	2.061	4.514	35.86
#1	195.5	535.1	-.0066	.0034	-.0130	.5034	.5479	-.0051	.0046
#2	180.1	492.4	.0221	-.0003	-.0114	.4907	.5641	-.0054	.0078
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 12:25:14 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0056**	**.5788**	F **.0040**	**.4516**	**.5230**	**.5310**
Stddev	.0000	.0004	.0122	.0018	.0057	.0084	.0299
%RSD	5.824	7.511	2.109	44.85	1.268	1.615	5.627
#1	-.0007	.0059	.5874	.0052	.4556	.5290	.5521
#2	-.0008	.0053	.5702	.0027	.4475	.5171	.5099
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95694.**	**14711.**	**1882.9**	**5658.0**
Stddev	1865.	736.	26.4	72.9
%RSD	1.9494	5.0044	1.4027	1.2879
#1	97013.	14190.	1864.2	5606.5
#2	94375.	15231.	1901.6	5709.5

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/10/2014 12:31:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0002**	**.0002**	**.0026**	**-.0014**	**-.0060**	**.0003**	**-.0002**	**-.0008**
Stddev	.0002	.0000	.0003	.0002	.0001	.0002	.0000	.0001	.0002
%RSD	40.27	20.95	202.3	6.307	4.356	2.735	12.04	46.12	28.81
#1	.0003	.0002	-.0001	.0025	-.0014	-.0061	.0003	-.0001	-.0006
#2	.0006	.0001	.0004	.0027	-.0013	-.0059	.0003	-.0003	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0037**	**.0008**	**.0007**	**-.0001**	**.0004**	**.0033**	**.2393**	**.2276**
Stddev	.0001	.0001	.0000	.0005	.0004	.0003	.0010	.0171	.0123
%RSD	21.32	1.768	3.535	80.09	437.6	82.62	31.20	7.154	5.421
#1	-.0008	.0037	.0009	.0003	.0002	.0007	.0041	.2272	.2189
#2	-.0006	.0036	.0008	.0010	-.0004	.0002	.0026	.2514	.2364

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**210.2**	**.3244**	**-.0235**	**-.0069**	**-.0023**	**-.0112**	**-.0050**	**.0018**	**.0004**
Stddev	.1	.0213	.0301	.0105	.0001	.0001	.0009	.0004	.0003
%RSD	.0517	6.551	128.2	152.1	5.124	1.029	17.88	24.88	73.08
#1	210.1	.3094	-.0448	-.0143	-.0024	-.0112	-.0043	.0021	.0002
#2	210.3	.3395	-.0022	.0005	-.0022	-.0113	-.0056	.0015	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**.0014**	**-.0036**	**.0059**	**.0044**	**.0004**
Stddev	.0000	.0003	.0015	.0000	.0031	.0002	.0008
%RSD	5.584	95.57	104.6	.8933	51.66	3.570	173.3
#1	-.0001	-.0001	.0004	-.0036	.0038	.0045	-.0001
#2	-.0001	-.0005	.0025	-.0036	.0081	.0043	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108530.**	**15059.**	**2127.9**	**7100.2**
Stddev	17.	75.	2.1	5.1
%RSD	.01567	.49737	.09836	.07129
#1	108520.	15112.	2129.4	7103.7
#2	108550.	15006.	2126.5	7096.6

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/10/2014 12:37:46 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0003**	**-.0005**	**.0004**	**.0001**	**-.0042**	**-.0001**	**.0018**	**-.0003**
Stddev	.000	.0000	.0000	.0000	.0000	.0003	.0000	.0000	.0001
%RSD	235.6	1.435	5.512	12.76	29.20	6.513	9.011	1.087	39.19
#1	-.0001	-.0003	-.0005	.0004	.0001	-.0040	-.0001	.0018	-.0004
#2	.0000	-.0003	-.0005	.0003	.0001	-.0044	-.0001	.0018	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0002**	**-.0010**	**.0048**	**.0011**	**.0013**	**-.0023**	**-.0104**	**-.0015**
Stddev	.0000	.0000	.0001	.0003	.0003	.0003	.0001	.0007	.0002
%RSD	3.948	5.938	8.874	6.404	23.73	22.38	2.519	6.487	15.63
#1	.0006	.0002	-.0010	.0050	.0010	.0011	-.0023	-.0099	-.0017
#2	.0006	.0002	-.0009	.0046	.0013	.0015	-.0022	-.0109	-.0013

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0031**	**.0160**	**-.0068**	**-.0426**	**-.0024**	**-.0013**	**.0001**	**-.0177**	**-.0020**
Stddev	.0010	.0020	.0129	.0005	.0002	.0001	.0003	.0001	.0000
%RSD	32.90	12.29	190.0	1.120	7.703	8.178	213.5	.5134	1.601
#1	.0024	.0174	.0023	-.0423	-.0025	-.0012	.0003	-.0178	-.0019
#2	.0039	.0146	-.0159	-.0430	-.0022	-.0013	-.0001	-.0177	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0189**	**-.0005**	**-.0047**	**.0020**	**.0010**
Stddev	.0000	.0001	.0003	.0000	.0001	.0000	.0000
%RSD	38.12	30.92	1.410	3.576	1.536	2.178	1.656
#1	-.0001	.0003	-.0191	-.0005	-.0046	.0019	.0010
#2	-.0001	.0002	-.0187	-.0005	-.0047	.0020	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**337670.**	**30990.**	**7961.9**	**24789.**
Stddev	9953.	297.	62.6	185.
%RSD	2.9476	.95894	.78596	.74728
#1	330630.	30780.	8006.1	24920.
#2	344700.	31200.	7917.6	24658.

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 12:44:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**2.047**	**2.041**	**2.040**	**2.060**	**1.997**	**2.076**	**2.066**	**.2460**
Stddev	.000	.004	.001	.002	.004	.005	.004	.001	.0010
%RSD	.0086	.2010	.0584	.1158	.2031	.2547	.1858	.0341	.4150
#1	2.050	2.050	2.040	2.039	2.063	1.994	2.079	2.065	.2468
#2	2.050	2.044	2.042	2.042	2.057	2.001	2.073	2.066	.2453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.072**	**2.026**	**2.110**	**2.066**	**2.044**	**2.028**	**39.57**	**41.22**
Stddev	.001	.001	.001	.009	.001	.004	.002	.04	.10
%RSD	.0390	.0413	.0620	.4131	.0644	.1886	.0878	.1110	.2533
#1	2.013	2.071	2.025	2.104	2.065	2.041	2.027	39.60	41.30
#2	2.015	2.072	2.027	2.116	2.067	2.047	2.030	39.54	41.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.08**	**40.66**	**40.23**	**40.12**	**2.048**	**2.061**	**2.000**	**5.039**	**2.080**
Stddev	.05	.06	.05	.01	.002	.005	.004	.005	.004
%RSD	.1314	.1534	.1160	.0318	.0725	.2533	.1789	.1089	.1992
#1	41.12	40.71	40.26	40.11	2.047	2.057	1.998	5.035	2.077
#2	41.04	40.62	40.19	40.13	2.049	2.064	2.003	5.043	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 12:44:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.104**	**2.037**	**1.926**	**2.039**	**1.988**	**2.035**	**2.022**
Stddev	.003	.001	.022	.000	.009	.003	.001
%RSD	.1256	.0285	1.136	.0051	.4605	.1506	.0351
#1	2.106	2.038	1.911	2.039	1.981	2.033	2.022
#2	2.102	2.037	1.941	2.039	1.994	2.037	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104280.**	**14852.**	**2061.3**	**6363.2**
Stddev	223.	9.	1.7	8.1
%RSD	.21431	.06038	.08236	.12801
#1	104130.	14846.	2062.5	6368.9
#2	104440.	14859.	2060.1	6357.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 12:50:12 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0004**	**.0004**	**.0003**	**.0004**	**.0004**	**.0004**	**.0004**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.0003	.0001	.0000	.0004	.0001
%RSD	10.43	.2403	18.52	22.82	71.86	16.40	12.91	101.3	210.3
#1	.0006	.0004	.0004	.0004	.0002	.0004	.0004	.0006	.0000
#2	.0005	.0004	.0003	.0003	.0006	.0003	.0003	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**.0005**	**.0004**	**.0003**	**.0005**	**-.0009**	**.0052**	**.0061**
Stddev	.0000	.0001	.0000	.0015	.0002	.0002	.0003	.0003	.0011
%RSD	2.783	37.88	.6186	361.4	50.16	41.59	36.17	6.040	18.10
#1	.0005	.0001	.0005	.0014	.0002	.0003	-.0006	.0054	.0069
#2	.0005	.0002	.0005	-.0006	.0004	.0006	-.0011	.0050	.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0091**	**.0270**	**.0305**	**.0043**	**.0009**	**.0019**	**.0007**	**.0017**	**-.0001**
Stddev	.0025	.0055	.0066	.0056	.0000	.0007	.0004	.0009	.0004
%RSD	27.39	20.55	21.79	129.6	4.353	35.61	55.82	53.92	302.8
#1	.0109	.0231	.0352	.0004	.0010	.0024	.0004	.0011	-.0004
#2	.0074	.0309	.0258	.0082	.0009	.0014	.0009	.0024	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 12:50:12 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	F **.0132**	**.0010**	**.0005**	**.0005**	**.0001**
Stddev	.0001	.0005	.0024	.0001	.0008	.0002	.0006
%RSD	19.85	166.6	17.95	7.329	143.3	39.36	617.9
#1	.0004	-.0001	.0149	.0009	.0000	.0003	-.0003
#2	.0003	.0006	.0115	.0010	.0011	.0006	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109300.**	**14989.**	**2161.8**	**7117.2**
Stddev	153.	71.	1.6	5.6
%RSD	.14019	.47039	.07569	.07908
#1	109410.	14939.	2160.6	7121.2
#2	109200.	15039.	2163.0	7113.2

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:59:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0012**	**.0010**	**.0033**	**.0023**	**.0019**	**.0034**	**.0042**	**.0010**
Stddev	.0001	.0001	.0001	.0002	.0004	.0001	.0000	.0001	.0004
%RSD	1.712	4.754	13.06	5.037	18.02	2.704	.9796	1.552	38.97
#1	.0042	.0013	.0011	.0032	.0026	.0019	.0034	.0042	.0013
#2	.0043	.0012	.0009	.0034	.0020	.0018	.0034	.0042	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	F **.0131**	**.0031**	**.0015**	**.0029**	F **.0088**	**.0026**	**.1044**	**1.059**
Stddev	.0002	.0000	.0003	.0005	.0004	.0031	.0007	.0061	.003
%RSD	7.915	.0441	10.41	32.22	12.39	35.32	24.67	5.840	.2790
#1	.0023	.0131	.0034	.0018	.0026	.0110	.0031	.1001	1.061
#2	.0021	.0131	.0029	.0011	.0031	.0066	.0022	.1087	1.056
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100				.0050			
Range		30.00%				30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	F **.1399**	**2.114**	**1.030**	**.0099**	**.0001**	**-.0003**	**-.0026**	**-.0006**
Stddev	.0017	.0284	.005	.003	.0008	.0000	.0004	.0004	.0003
%RSD	19.41	20.32	.2543	.2645	8.326	65.61	119.6	14.77	44.66
#1	.0074	.1198	2.118	1.032	.0105	.0000	.0000	-.0023	-.0004
#2	.0098	.1600	2.110	1.028	.0093	.0001	-.0006	-.0029	-.0008
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 12:59:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**-.0044**	**.0000**	**.0011**	**.0006**	**.0000**
Stddev	.0001	.0001	.0001	.000	.0006	.0007	.001
%RSD	37.46	71.17	1.416	33.39	54.63	113.3	3414.
#1	.0001	.0001	-.0043	.0000	.0007	.0011	.0003
#2	.0002	.0003	-.0044	.0000	.0015	.0001	-.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110600.**	**15101.**	**2162.7**	**7079.3**
Stddev	451.	75.	1.1	10.0
%RSD	.40779	.49943	.05231	.14190
#1	110920.	15048.	2161.9	7072.2
#2	110280.	15155.	2163.5	7086.4

Zoom In Zoom Out

Sample Name: mp79919-b1 2 Acquired: 6/10/2014 13:05:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.064**	**.0539**	**.0505**	**.5102**	**.2123**	**.2474**	**.5321**	**.5247**	**.0523**
Stddev	.004	.0001	.0001	.0007	.0006	.0006	.0016	.0002	.0003
%RSD	.1973	.2103	.1140	.1305	.2980	.2414	.3091	.0470	.5404
#1	2.067	.0540	.0505	.5107	.2119	.2470	.5310	.5245	.0521
#2	2.061	.0538	.0505	.5097	.2128	.2478	.5333	.5249	.0525

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4977**	**.5329**	**2.093**	**2.234**	**.5273**	**2.255**	**.5224**	**1.982**	**25.96**
Stddev	.0016	.0007	.005	.004	.0020	.009	.0002	.011	.05
%RSD	.3162	.1286	.2239	.1768	.3731	.4143	.0336	.5317	.1827
#1	.4966	.5333	2.096	2.231	.5287	2.262	.5225	1.990	25.99
#2	.4988	.5324	2.090	2.237	.5259	2.249	.5222	1.975	25.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.094**	**26.37**	**25.74**	**25.55**	**2.097**	**2.133**	**2.159**	**2.014**	**2.108**
Stddev	.007	.08	.08	.05	.006	.003	.006	.007	.006
%RSD	.6408	.3040	.2920	.1898	.2847	.1448	.2843	.3621	.2657
#1	1.089	26.31	25.79	25.58	2.101	2.135	2.154	2.019	2.112
#2	1.099	26.43	25.68	25.51	2.092	2.131	2.163	2.009	2.104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.133**	**2.044**	**.0029**	**.0134**	**.0029**	**-.0030**	**.0003**
Stddev	.001	.003	.0006	.0007	.0006	.0010	.0005
%RSD	.0249	.1211	19.72	4.964	20.96	32.93	179.7
#1	2.133	2.042	.0033	.0138	.0025	-.0037	.0007
#2	2.132	2.046	.0025	.0129	.0034	-.0023	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107550.**	**15175.**	**2094.6**	**6611.7**
Stddev	265.	1.	5.1	6.7
%RSD	.24653	.00798	.24276	.10147
#1	107740.	15174.	2091.0	6607.0
#2	107370.	15176.	2098.2	6616.5

Zoom In Zoom Out

Sample Name: mp79934-s1 Acquired: 6/10/2014 13:11:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.169**	**.0539**	**.0526**	**.5311**	**.2112**	**.2583**	**.9213**	**.5469**	**.0567**
Stddev	.002	.0001	.0000	.0003	.0007	.0013	.0026	.0001	.0002
%RSD	.0958	.1934	.0330	.0615	.3336	.5060	.2794	.0182	.2705
#1	2.167	.0540	.0526	.5313	.2107	.2592	.9195	.5470	.0566
#2	2.170	.0539	.0526	.5309	.2117	.2574	.9231	.5468	.0568

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5046**	**.5315**	**2.258**	**2.128**	**.5345**	**2.443**	**.5450**	**2.093**	**137.6**
Stddev	.0003	.0008	.000	.001	.0014	.002	.0021	.012	.1
%RSD	.0555	.1449	.0119	.0483	.2602	.0770	.3815	.5700	.0546
#1	.5044	.5320	2.258	2.129	.5335	2.442	.5435	2.085	137.6
#2	.5048	.5310	2.258	2.127	.5355	2.444	.5465	2.102	137.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.295**	**73.35**	**32.04**	**502.8**	**.0518**	**.0058**	**-.0048**	**8.376**	**.0020**
Stddev	.001	.09	.07	5.9	.0011	.0003	.0000	.009	.0001
%RSD	.0406	.1235	.2258	1.177	2.213	4.570	.4831	.1076	5.355
#1	2.296	73.28	31.99	507.0	.0510	.0060	-.0048	8.369	.0020
#2	2.294	73.41	32.09	498.7	.0526	.0056	-.0048	8.382	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2003**	**.0010**	**-.0030**	**.0189**	**201.4**	**-.0008**	**.0149**
Stddev	.0000	.0001	.0010	.0000	.5	.0008	.0004
%RSD	.0250	14.53	34.92	.0398	.2428	101.1	2.909
#1	.2003	.0009	-.0022	.0189	201.8	-.0002	.0146
#2	.2003	.0011	-.0037	.0189	201.1	-.0014	.0152

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96455.**	**14623.**	**1902.7**	**5635.5**
Stddev	53.	6.	1.1	1.4
%RSD	.05468	.04154	.05880	.02450
#1	96493.	14618.	1903.5	5636.5
#2	96418.	14627.	1901.9	5634.5

Zoom In Zoom Out

Sample Name: mp79934-s2 Acquired: 6/10/2014 13:18:01 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.042**	**.0507**	**.0492**	**.5023**	**.1994**	**.2444**	**.8685**	**.5172**	**.0529**
Stddev	.001	.0001	.0001	.0010	.0003	.0013	.0004	.0006	.0005
%RSD	.0343	.2694	.1292	.2017	.1592	.5205	.0497	.1094	.9191
#1	2.043	.0508	.0493	.5015	.1996	.2435	.8682	.5168	.0525
#2	2.042	.0506	.0492	.5030	.1992	.2453	.8688	.5176	.0532

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4765**	**.5037**	**2.133**	**2.024**	**.5075**	**2.303**	**.5144**	**1.969**	**129.2**
Stddev	.0009	.0016	.009	.003	.0013	.011	.0008	.003	.1
%RSD	.1964	.3190	.4026	.1449	.2560	.4636	.1518	.1409	.1073
#1	.4758	.5026	2.127	2.026	.5066	2.295	.5139	1.967	129.1
#2	.4772	.5049	2.139	2.022	.5084	2.310	.5150	1.971	129.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.158**	**68.70**	**30.22**	**468.9**	**.0477**	**.0046**	**-.0048**	**7.893**	**.0026**
Stddev	.006	.10	.05	9.0	.0014	.0001	.0003	.022	.0006
%RSD	.2848	.1386	.1542	1.928	3.023	2.527	6.025	.2822	23.09
#1	2.163	68.77	30.25	475.3	.0467	.0045	-.0046	7.878	.0022
#2	2.154	68.64	30.18	462.6	.0487	.0047	-.0050	7.909	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1887**	**.0012**	**-.0055**	**.0176**	**190.6**	**-.0003**	**.0140**
Stddev	.0006	.0002	.0007	.0002	.2	.0001	.0002
%RSD	.2982	19.22	12.64	.9398	.1101	32.67	1.335
#1	.1883	.0013	-.0050	.0175	190.5	-.0002	.0141
#2	.1891	.0010	-.0060	.0178	190.8	-.0004	.0139

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97108.**	**14808.**	**1911.9**	**5666.3**
Stddev	155.	47.	3.8	8.8
%RSD	.15935	.31917	.19840	.15556
#1	97217.	14775.	1914.5	5672.5
#2	96998.	14842.	1909.2	5660.0

Zoom In Zoom Out

Sample Name: jb68735-18 Acquired: 6/10/2014 13:24:11 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0696**	**.0001**	**.0004**	**.0025**	**.0024**	**.0026**	**.3928**	**.0066**	**-.0002**
Stddev	.0002	.0000	.0003	.0001	.0001	.0004	.0000	.0000	.0000
%RSD	.2845	26.54	86.74	5.246	2.228	15.42	.0076	.1116	6.400
#1	.0694	.0001	.0001	.0026	.0024	.0023	.3928	.0066	-.0002
#2	.0697	.0001	.0006	.0024	.0023	.0029	.3928	.0066	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**-.0037**	**.0016**	**.0010**	**.0051**	**.0087**	**.0033**	**.0504**	**108.8**
Stddev	.0002	.0001	.0001	.0002	.0011	.0005	.0012	.0065	.0
%RSD	31.07	1.830	4.200	18.24	21.48	6.033	35.09	12.85	.0309
#1	.0006	-.0036	.0016	.0011	.0044	.0083	.0025	.0458	108.8
#2	.0010	-.0037	.0017	.0008	.0059	.0090	.0042	.0550	108.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.171**	**45.28**	**5.023**	**464.6**	**.0514**	**.0045**	**-.0033**	**8.187**	**.0024**
Stddev	.001	.09	.005	2.4	.0003	.0001	.0001	.024	.0004
%RSD	.0734	.1910	.0927	.5238	.5660	2.863	2.559	.2918	14.54
#1	1.172	45.22	5.020	462.9	.0516	.0046	-.0032	8.170	.0022
#2	1.171	45.34	5.026	466.3	.0512	.0044	-.0033	8.204	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1953**	**.0006**	**-.0104**	**.0181**	**198.3**	**-.0008**	**.0150**
Stddev	.0001	.0003	.0004	.0000	1.2	.0013	.0001
%RSD	.0392	51.82	4.027	.1503	.5955	150.5	.8116
#1	.1953	.0004	-.0101	.0181	197.5	.0001	.0149
#2	.1952	.0009	-.0107	.0181	199.2	-.0017	.0150

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96453.**	**14721.**	**1933.6**	**5703.9**
Stddev	59.	58.	5.8	9.4
%RSD	.06162	.39267	.29859	.16427
#1	96495.	14762.	1937.6	5710.5
#2	96411.	14680.	1929.5	5697.2

Zoom In Zoom Out

Sample Name: mp79934-sd1 Acquired: 6/10/2014 13:30:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0699**	**-.0003**	**.0004**	**.0003**	**.0043**	**.0045**	**.4011**	**.0062**	**.0009**
Stddev	.0000	.0002	.0028	.0018	.0009	.0002	.0007	.0006	.0001
%RSD	.0171	62.21	613.7	539.1	20.17	5.377	.1777	10.44	15.77
#1	.0699	-.0004	.0024	.0016	.0049	.0047	.4016	.0067	.0008
#2	.0699	-.0002	-.0015	-.0009	.0037	.0043	.4006	.0058	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0512**	**.0022**	**.0153**	**.0073**	**.0213**	**.0056**	**.0780**	**111.2**
Stddev	.0000	.0005	.0003	.0037	.0019	.0009	.0022	.0156	.3
%RSD	3.538	1.021	12.77	24.21	26.27	4.460	38.73	19.93	.2756
#1	.0013	.0515	.0020	.0179	.0087	.0206	.0072	.0890	111.0
#2	.0013	.0508	.0023	.0126	.0060	.0220	.0041	.0670	111.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.213**	**46.21**	**5.077**	**500.5**	**.0500**	**.0024**	**-.0070**	**8.272**	**.0055**
Stddev	.004	.03	.035	.6	.0016	.0001	.0025	.033	.0000
%RSD	.3044	.0656	.6860	.1121	3.201	3.269	36.07	.3977	.6506
#1	1.215	46.23	5.102	500.8	.0489	.0024	-.0052	8.248	.0055
#2	1.210	46.19	5.053	500.1	.0511	.0023	-.0088	8.295	.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1945**	**.0001**	**-.0653**	**.0155**	**192.8**	**.0002**	**.0188**
Stddev	.0010	.0002	.0035	.0009	.9	.0043	.0058
%RSD	.5238	258.3	5.392	5.646	.4661	1935.	31.05
#1	.1952	.0002	-.0628	.0149	193.5	-.0028	.0229
#2	.1938	-.0001	-.0678	.0162	192.2	.0033	.0147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104980.**	**14958.**	**2092.6**	**6485.9**
Stddev	75.	99.	5.2	12.7
%RSD	.07172	.66298	.24686	.19522
#1	104930.	15028.	2096.2	6494.8
#2	105030.	14888.	2088.9	6476.9

Zoom In Zoom Out

Sample Name: mp79933-s1 Acquired: 6/10/2014 13:36:42 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.339**	**.0528**	**.0504**	**.5148**	**.2079**	**.2560**	**1.306**	**.5274**	**.0058**
Stddev	.005	.0001	.0000	.0007	.0015	.0005	.002	.0016	.0005
%RSD	.2072	.1512	.0802	.1443	.7049	.1772	.1392	.2976	8.645
#1	2.336	.0528	.0504	.5143	.2069	.2563	1.307	.5263	.0062
#2	2.342	.0529	.0504	.5154	.2090	.2557	1.305	.5285	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5091**	**.5374**	**2.138**	**2.111**	**.5212**	**2.288**	**.5243**	**2.011**	**93.45**
Stddev	.0005	.0004	.004	.010	.0017	.002	.0010	.007	.05
%RSD	.0902	.0674	.1733	.4747	.3245	.1032	.1840	.3286	.0579
#1	.5094	.5371	2.136	2.104	.5200	2.287	.5250	2.007	93.48
#2	.5087	.5376	2.141	2.118	.5224	2.290	.5236	2.016	93.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.331**	**37.49**	**33.43**	**251.2**	**.0245**	**.0015**	**-.0039**	**5.456**	**.0030**
Stddev	.003	.07	.07	1.3	.0002	.0000	.0004	.005	.0000
%RSD	.1320	.1913	.2132	.5277	.7776	2.664	10.19	.1016	.2415
#1	2.329	37.54	33.38	250.3	.0246	.0016	-.0036	5.452	.0030
#2	2.333	37.44	33.49	252.2	.0244	.0015	-.0041	5.460	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3052**	**.0017**	**-.0050**	**.0017**	**13.33**	**.0000**	**.0038**
Stddev	.0000	.0004	.0005	.0000	.05	.000	.0009
%RSD	.0063	21.64	9.418	1.585	.3929	2355.	23.90
#1	.3052	.0015	-.0047	.0017	13.29	.0001	.0032
#2	.3052	.0020	-.0053	.0017	13.36	-.0002	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98408.**	**14807.**	**1956.8**	**5914.5**
Stddev	83.	20.	3.6	11.7
%RSD	.08453	.13446	.18443	.19704
#1	98349.	14792.	1959.3	5922.7
#2	98467.	14821.	1954.2	5906.3

Zoom In Zoom Out

Sample Name: mp79933-s2 Acquired: 6/10/2014 13:42:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.347**	**.0532**	**.0499**	**.5094**	**.2066**	**.2526**	**1.295**	**.5223**	**.0057**
Stddev	.012	.0002	.0012	.0109	.0005	.0009	.010	.0124	.0003
%RSD	.5065	.3342	2.432	2.140	.2603	.3655	.7716	2.376	4.440
#1	2.339	.0530	.0507	.5171	.2070	.2532	1.302	.5311	.0059
#2	2.356	.0533	.0490	.5017	.2063	.2519	1.288	.5135	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5024**	**.5277**	**2.118**	**2.093**	**.5166**	**2.263**	**.5182**	**2.008**	**93.82**
Stddev	.0028	.0123	.051	.043	.0117	.052	.0118	.000	.44
%RSD	.5629	2.333	2.433	2.048	2.266	2.298	2.272	.0075	.4730
#1	.5044	.5364	2.154	2.123	.5249	2.300	.5266	2.008	93.51
#2	.5004	.5190	2.081	2.063	.5083	2.226	.5099	2.008	94.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.337**	**37.27**	**33.05**	**250.5**	**.0243**	**.0014**	**-.0039**	**5.430**	**.0017**
Stddev	.012	.10	.15	1.0	.0004	.0000	.0016	.126	.0003
%RSD	.5293	.2622	.4556	.3978	1.579	1.594	41.06	2.323	18.76
#1	2.328	37.20	32.94	251.2	.0245	.0014	-.0051	5.520	.0019
#2	2.345	37.34	33.16	249.8	.0240	.0013	-.0028	5.341	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3084**	**.0020**	**-.0072**	**.0012**	**13.25**	**-.0007**	**.0039**
Stddev	.0014	.0002	.0012	.0001	.32	.0002	.0004
%RSD	.4386	11.41	16.56	12.48	2.383	34.44	10.75
#1	.3074	.0019	-.0064	.0011	13.47	-.0008	.0042
#2	.3094	.0022	-.0081	.0013	13.03	-.0005	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99370.**	**14709.**	**1971.2**	**5964.1**
Stddev	611.	37.	38.6	113.2
%RSD	.61457	.25429	1.9578	1.8973
#1	98938.	14736.	1943.9	5884.1
#2	99802.	14683.	1998.5	6044.1

Zoom In Zoom Out

Sample Name: jb68735-6 Acquired: 6/10/2014 13:49:01 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2878**	**.0000**	**.0002**	**.0012**	**.0012**	**.0014**	**.7892**	**.0011**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0001	.0002	.0009	.0001	.0001
%RSD	.0689	21.79	46.65	9.022	6.332	11.42	.1176	8.760	56.44
#1	.2879	.0000	.0002	.0011	.0011	.0013	.7898	.0010	-.0001
#2	.2876	.0000	.0003	.0013	.0013	.0016	.7885	.0011	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0085**	**.0003**	**.0023**	**.0024**	**.0072**	**.0003**	**.0081**	**69.23**
Stddev	.0002	.0002	.0007	.0006	.0013	.0003	.0014	.0000	.15
%RSD	391.1	1.968	249.3	28.49	52.65	3.583	412.8	.2164	.2169
#1	-.0002	.0087	.0008	.0027	.0033	.0074	.0013	.0081	69.34
#2	.0001	.0084	-.0002	.0018	.0015	.0070	-.0006	.0082	69.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.294**	**11.90**	**6.794**	**226.4**	**.0248**	**.0003**	**-.0019**	**5.425**	**.0027**
Stddev	.004	.04	.009	1.7	.0001	.0000	.0004	.015	.0004
%RSD	.2686	.3012	.1281	.7674	.5652	14.03	21.10	.2721	15.24
#1	1.296	11.93	6.800	225.2	.0247	.0002	-.0022	5.435	.0029
#2	1.291	11.88	6.788	227.7	.0249	.0003	-.0016	5.415	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3077**	**.0009**	**-.0088**	**.0005**	**13.32**	**.0003**	**.0033**
Stddev	.0000	.0002	.0006	.0001	.07	.0010	.0005
%RSD	.0052	21.41	6.534	15.77	.5223	288.4	15.03
#1	.3077	.0010	-.0092	.0005	13.37	.0010	.0030
#2	.3077	.0007	-.0084	.0004	13.27	-.0004	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100110.**	**14753.**	**1989.3**	**6072.2**
Stddev	32.	58.	4.4	23.2
%RSD	.03220	.39071	.21956	.38157
#1	100080.	14712.	1986.2	6055.8
#2	100130.	14793.	1992.3	6088.6

Zoom In Zoom Out

Sample Name: mp79933-sd1 Acquired: 6/10/2014 13:55:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2867**	**-.0002**	**.0005**	**-.0004**	**.0035**	**.0023**	**.7970**	**.0008**	**-.0007**
Stddev	.0003	.0000	.0002	.0001	.0004	.0002	.0037	.0013	.0006
%RSD	.1003	13.11	38.53	23.62	9.943	9.114	.4582	157.8	96.63
#1	.2869	-.0002	.0007	-.0005	.0033	.0022	.7944	-.0001	-.0011
#2	.2865	-.0001	.0004	-.0003	.0038	.0025	.7996	.0018	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0199**	**.0006**	**.0047**	**.0033**	**.0229**	**-.0032**	**.0171**	**68.79**
Stddev	.0010	.0002	.0008	.0089	.0000	.0070	.0029	.0144	.06
%RSD	307.1	.8371	130.7	190.9	.6359	30.52	92.61	84.59	.0873
#1	-.0004	.0198	.0000	.0110	.0033	.0279	-.0052	.0069	68.75
#2	.0010	.0201	.0012	-.0016	.0033	.0180	-.0011	.0273	68.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.303**	**12.03**	**6.689**	**230.7**	**.0165**	**-.0024**	**-.0020**	**5.492**	**.0065**
Stddev	.015	.00	.082	.3	.0023	.0006	.0012	.022	.0033
%RSD	1.132	.0115	1.228	.1251	14.05	23.76	57.84	.4030	50.94
#1	1.313	12.03	6.748	230.9	.0181	-.0028	-.0029	5.476	.0088
#2	1.292	12.03	6.631	230.5	.0148	-.0020	-.0012	5.508	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3055**	**-.0002**	**-.0696**	**-.0019**	**12.99**	**.0018**	**.0067**
Stddev	.0015	.0020	.0027	.0004	.01	.0010	.0015
%RSD	.4809	819.7	3.825	22.71	.0999	55.11	21.82
#1	.3065	-.0017	-.0715	-.0022	12.98	.0011	.0077
#2	.3044	.0012	-.0677	-.0016	13.00	.0025	.0056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105820.**	**14994.**	**2100.7**	**6649.4**
Stddev	167.	21.	5.3	11.3
%RSD	.15789	.14280	.25423	.17023
#1	105940.	15009.	2104.5	6657.4
#2	105710.	14978.	2096.9	6641.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 14:01:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.027**	**2.010**	**2.014**	**2.019**	**2.023**	**2.070**	**2.040**	**.2443**
Stddev	.005	.003	.003	.003	.005	.002	.003	.006	.0007
%RSD	.2493	.1209	.1602	.1632	.2570	.0919	.1498	.2761	.3042
#1	2.038	2.029	2.012	2.017	2.023	2.022	2.072	2.044	.2438
#2	2.031	2.025	2.008	2.012	2.016	2.024	2.068	2.036	.2449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.041**	**1.989**	**2.063**	**2.047**	**2.017**	**2.008**	**39.86**	**39.99**
Stddev	.000	.006	.000	.003	.005	.003	.003	.06	.07
%RSD	.0119	.2976	.0198	.1654	.2684	.1341	.1520	.1425	.1706
#1	2.045	2.046	1.989	2.060	2.051	2.015	2.006	39.90	39.94
#2	2.045	2.037	1.990	2.065	2.043	2.019	2.010	39.82	40.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.82**	**39.40**	**40.26**	**40.32**	**2.022**	**2.034**	**1.999**	**4.987**	**2.039**
Stddev	.01	.02	.08	.07	.000	.002	.001	.007	.003
%RSD	.0291	.0398	.2008	.1738	.0065	.1060	.0267	.1463	.1264
#1	39.81	39.41	40.31	40.37	2.022	2.036	1.999	4.992	2.041
#2	39.83	39.39	40.20	40.27	2.022	2.033	2.000	4.982	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 14:01:32 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.030**	**1.881**	**2.003**	**1.950**	**2.017**	**1.999**
Stddev	.004	.003	.022	.004	.000	.004	.007
%RSD	.2178	.1610	1.147	.2116	.0016	.1725	.3308
#1	2.051	2.032	1.866	2.006	1.950	2.020	2.003
#2	2.045	2.027	1.897	2.000	1.950	2.015	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104110.**	**14842.**	**2083.3**	**6414.0**
Stddev	49.	58.	2.5	9.8
%RSD	.04704	.39074	.12010	.15333
#1	104070.	14883.	2081.5	6407.1
#2	104140.	14801.	2085.1	6421.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 14:16:35 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0008**	**.0005**	**.0007**	**.0010**	**.0011**	**.0011**	**.0007**	**.0000**
Stddev	.0002	.0000	.0000	.0002	.0003	.0003	.0001	.0001	.0001
%RSD	16.25	5.569	1.817	24.06	31.64	31.56	8.763	20.58	388.0
#1	.0010	.0007	.0005	.0008	.0008	.0008	.0010	.0008	.0001
#2	.0008	.0008	.0005	.0006	.0013	.0013	.0011	.0006	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0008**	**.0008**	**.0012**	**-.0002**	**.0041**	**.0004**	**.0146**	**.0155**
Stddev	.0004	.0002	.0002	.0007	.0000	.0008	.0003	.0010	.0047
%RSD	33.80	20.79	32.82	55.33	9.533	20.46	70.67	6.558	30.48
#1	.0008	.0009	.0006	.0017	-.0002	.0035	.0002	.0139	.0122
#2	.0013	.0007	.0009	.0008	-.0002	.0047	.0005	.0153	.0189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0178**	**.0425**	**.0754**	**.0350**	**.0002**	**.0003**	**.0014**	**.0017**	**.0006**
Stddev	.0032	.0059	.0199	.0003	.0007	.0001	.0001	.0007	.0004
%RSD	18.22	13.99	26.47	.9519	399.0	24.10	5.383	40.09	73.24
#1	.0155	.0383	.0895	.0348	.0007	.0004	.0014	.0012	.0003
#2	.0201	.0467	.0613	.0352	-.0003	.0003	.0015	.0022	.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 14:16:35 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0008**	**-.0055**	**.0004**	**.0012**	**.0003**	**.0019**
Stddev	.0002	.0001	.0009	.0002	.0007	.0001	.0005
%RSD	19.88	14.13	16.42	58.16	60.62	45.62	25.84
#1	.0007	.0009	-.0049	.0002	.0017	.0002	.0015
#2	.0009	.0007	-.0062	.0005	.0007	.0004	.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111180.**	**15111.**	**2181.9**	**7184.0**
Stddev	161.	18.	3.5	2.7
%RSD	.14523	.11705	.16240	.03695
#1	111060.	15098.	2184.4	7185.9
#2	111290.	15123.	2179.4	7182.1

Zoom In Zoom Out

Sample Name: mp79946-mb1 2 Acquired: 6/10/2014 14:23:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0001**	**.0000**	**.0003**	**.0013**	**.0003**	**.0003**	**.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0001	.0003	.0002	.0000	.0003	.000
%RSD	21.11	38.27	402.5	42.54	23.86	65.96	9.393	86.86	342.5
#1	.0002	.0001	.0002	.0004	.0015	.0002	.0003	.0001	.0001
#2	.0003	.0002	-.0001	.0002	.0011	.0005	.0003	.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0011**	**.0004**	**.0013**	**.0006**	**.0031**	**-.0002**	**-.0007**	**.0053**
Stddev	.0001	.0000	.0002	.0014	.0003	.0003	.0001	.0051	.0016
%RSD	22.77	4.115	43.93	108.2	41.37	10.31	58.56	759.8	29.24
#1	.0002	.0011	.0003	.0023	.0008	.0029	-.0003	.0030	.0042
#2	.0003	.0011	.0005	.0003	.0004	.0034	-.0001	-.0043	.0064

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0084**	**.0073**	**.0421**	**.0089**	**-.0001**	**-.0004**	**.0004**	**.0051**	**.0059**
Stddev	.0002	.0178	.0076	.0116	.0000	.0001	.0005	.0004	.0002
%RSD	2.657	242.9	18.00	130.2	3.178	27.68	113.7	8.328	3.895
#1	.0082	-.0053	.0367	.0172	-.0001	-.0004	.0001	.0048	.0061
#2	.0086	.0199	.0475	.0007	-.0001	-.0003	.0008	.0054	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**-.0103**	**-.0001**	**.0071**	**-.0002**	**.0004**
Stddev	.0001	.0001	.0003	.0001	.0014	.0001	.0005
%RSD	152.6	27.91	2.451	53.72	19.08	58.50	138.7
#1	.0000	.0004	-.0105	-.0001	.0081	-.0003	.0007
#2	.0002	.0005	-.0101	-.0002	.0061	-.0001	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111780.**	**15233.**	**2170.5**	**7168.0**
Stddev	89.	56.	2.0	.3
%RSD	.07919	.37017	.09205	.00460
#1	111840.	15273.	2171.9	7168.2
#2	111720.	15193.	2169.0	7167.7

Zoom In Zoom Out

Sample Name: mp79946-lc1 Acquired: 6/10/2014 14:30:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.341**	**.6834**	**.7782**	**.3586**	**.6210**	**.3424**	**3.001**	**1.676**	**.2293**
Stddev	.000	.0002	.0004	.0003	.0023	.0001	.006	.001	.0002
%RSD	.0057	.0339	.0454	.0713	.3635	.0368	.1870	.0848	.0656
#1	1.341	.6835	.7779	.3584	.6194	.3423	2.997	1.677	.2292
#2	1.341	.6832	.7784	.3588	.6226	.3424	3.004	1.675	.2294

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6046**	**1.631**	**.7789**	**1.472**	**1.334**	**.9033**	**.4587**	**45.96**	**32.88**
Stddev	.0010	.002	.0004	.001	.003	.0030	.0003	.06	.12
%RSD	.1638	.1357	.0508	.0820	.2187	.3266	.0615	.1264	.3793
#1	.6053	1.629	.7786	1.473	1.336	.9054	.4589	46.00	32.97
#2	.6039	1.632	.7792	1.471	1.332	.9012	.4585	45.92	32.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**66.04**	**18.56**	**16.22**	**3.854**	**.6334**	**.4152**	**-.0108**	**3.293**	**.6008**
Stddev	.20	.07	.05	.016	.0020	.0001	.0014	.001	.0013
%RSD	.3091	.3842	.2838	.4146	.3156	.0208	13.29	.0200	.2161
#1	66.19	18.61	16.25	3.865	.6320	.4153	-.0118	3.293	.6017
#2	65.90	18.51	16.18	3.843	.6349	.4152	-.0098	3.294	.5999

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5884**	**1.609**	**.0009**	**.0455**	**1.186**	**-.0049**	**.0425**
Stddev	.0004	.001	.0001	.0001	.003	.0005	.0008
%RSD	.0690	.0887	5.447	.1272	.2731	10.74	1.960
#1	.5887	1.608	.0010	.0455	1.189	-.0052	.0431
#2	.5881	1.610	.0009	.0454	1.184	-.0045	.0419

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108580.**	**15546.**	**2162.3**	**6666.0**
Stddev	215.	98.	1.5	3.6
%RSD	.19797	.63352	.06860	.05368
#1	108740.	15476.	2163.4	6663.4
#2	108430.	15615.	2161.3	6668.5

Zoom In Zoom Out

Sample Name: mp79946-b1 Acquired: 6/10/2014 14:36:07 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.992**	**.1024**	**.0952**	**.9762**	**.4047**	**.4726**	**1.019**	**1.000**	**.0998**
Stddev	.003	.0001	.0005	.0034	.0023	.0035	.009	.002	.0003
%RSD	.0811	.1416	.5083	.3517	.5731	.7475	.8754	.2251	.3487
#1	3.990	.1023	.0949	.9737	.4031	.4701	1.013	.9989	.0996
#2	3.994	.1025	.0956	.9786	.4064	.4751	1.026	1.002	.1000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9454**	**1.017**	**3.967**	**4.228**	**.9993**	**4.252**	**.9776**	**51.51**	**12.47**
Stddev	.0103	.004	.008	.013	.0035	.014	.0026	.03	.04
%RSD	1.088	.4080	.2128	.2954	.3548	.3208	.2683	.0636	.3363
#1	.9381	1.014	3.961	4.220	.9968	4.243	.9757	51.49	12.50
#2	.9527	1.020	3.973	4.237	1.002	4.262	.9794	51.54	12.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.67**	**12.37**	**12.29**	**12.50**	**.9671**	**1.002**	**1.001**	**.8541**	**1.005**
Stddev	.03	.02	.00	.01	.0023	.003	.006	.0017	.005
%RSD	.0496	.1359	.0287	.0628	.2348	.3377	.6143	.2034	.5046
#1	51.69	12.38	12.28	12.50	.9655	.9999	.9970	.8529	1.001
#2	51.65	12.36	12.29	12.49	.9687	1.005	1.006	.8553	1.009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.011**	**.9602**	**-.0009**	**.0066**	**.0034**	**-.0018**	**.0013**
Stddev	.001	.0084	.0018	.0002	.0036	.0011	.0002
%RSD	.0715	.8747	203.5	3.496	104.3	62.69	14.09
#1	1.011	.9543	.0004	.0068	.0009	-.0010	.0011
#2	1.012	.9661	-.0022	.0065	.0060	-.0026	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108080.**	**15091.**	**2106.6**	**6651.6**
Stddev	749.	85.	6.1	15.0
%RSD	.69290	.56134	.29041	.22508
#1	108610.	15031.	2110.9	6662.2
#2	107550.	15151.	2102.2	6641.0

Zoom In Zoom Out

Sample Name: jb68737-1g Acquired: 6/10/2014 14:42:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.094**	**.0057**	**.0035**	**.0770**	**.3743**	**.6249**	**2.603**	**.1728**	**-.0003**
Stddev	.000	.0000	.0000	.0007	.0002	.0034	.016	.0017	.0006
%RSD	.0354	.7596	.4092	.8897	.0530	.5396	.6279	.9924	190.5
#1	1.093	.0057	.0035	.0775	.3744	.6273	2.615	.1740	-.0007
#2	1.094	.0057	.0035	.0766	.3741	.6225	2.592	.1716	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2536**	**2.337**	**.0759**	**-.0047**	**1.219**	**.0098**	**.0080**	**91.68**	**86.33**
Stddev	.0010	.016	.0002	.0013	.004	.0016	.0009	.09	.13
%RSD	.3864	.6954	.2051	28.29	.3441	16.58	11.83	.0938	.1543
#1	.2543	2.349	.0760	-.0056	1.222	.0109	.0073	91.74	86.42
#2	.2529	2.326	.0758	-.0038	1.216	.0086	.0087	91.62	86.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.2**	**38.42**	**15.77**	**4.977**	**.0921**	**.0172**	**-.0189**	**5.369**	**.1158**
Stddev	.2	.11	.01	.001	.0007	.0003	.0002	.035	.0003
%RSD	.1049	.2880	.0883	.0204	.7304	1.804	.8475	.6580	.2919
#1	182.3	38.50	15.78	4.977	.0926	.0174	-.0187	5.394	.1155
#2	182.1	38.34	15.76	4.976	.0916	.0169	-.0190	5.344	.1160

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4008**	**3.436**	**.0110**	**.0586**	**5.947**	**-.0047**	**.1086**
Stddev	.0004	.020	.0005	.0003	.046	.0006	.0002
%RSD	.1000	.5808	5.005	.5553	.7798	12.20	.2107
#1	.4006	3.450	.0106	.0588	5.980	-.0051	.1087
#2	.4011	3.422	.0114	.0584	5.914	-.0043	.1084

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109020.**	**15494.**	**2139.4**	**6470.4**
Stddev	601.	40.	14.2	35.6
%RSD	.55136	.26126	.66529	.55037
#1	108600.	15465.	2129.3	6445.2
#2	109450.	15522.	2149.4	6495.6

Zoom In Zoom Out

Sample Name: mp79891-mb1 2 Acquired: 6/10/2014 14:48:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0002**	**.0004**	**.0000**	**.0003**	**.0001**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.0002	.000	.0001	.0001	.0001
%RSD	59.97	55.03	71.83	43.52	45.24	11680.	41.53	114.0	36.91
#1	.0001	-.0001	.0001	.0002	.0005	-.0001	.0002	.0000	.0004
#2	.0003	-.0001	.0000	.0003	.0003	.0001	.0004	.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**-.0003**	**.0004**	**-.0002**	**.0042**	**-.0004**	**.0024**	**.0141**
Stddev	.0003	.0001	.0007	.0017	.0005	.0021	.0003	.0011	.0009
%RSD	589.2	7.884	270.3	451.1	210.7	49.38	84.65	43.59	6.298
#1	.0003	.0017	-.0007	.0016	.0001	.0027	-.0001	.0017	.0135
#2	-.0002	.0015	.0002	-.0008	-.0006	.0056	-.0006	.0032	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0157**	**.0021**	**.0151**	**-.0022**	**-.0002**	**-.0003**	**.0001**	**.0057**	**-.0002**
Stddev	.0017	.0200	.0124	.0032	.0002	.0000	.0005	.0008	.0004
%RSD	10.81	951.7	82.03	147.1	91.16	17.22	636.5	13.29	222.1
#1	.0145	-.0120	.0063	.0001	-.0003	-.0003	-.0003	.0062	-.0004
#2	.0169	.0163	.0239	-.0044	-.0001	-.0002	.0005	.0052	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0004**	**-.0122**	**-.0004**	**.0042**	**-.0001**	**.0009**
Stddev	.0000	.0001	.0003	.0001	.0001	.0003	.0000
%RSD	38.92	25.86	2.060	34.43	2.108	183.7	1.371
#1	-.0001	.0004	-.0124	-.0003	.0043	.0000	.0009
#2	-.0001	.0005	-.0120	-.0005	.0041	-.0003	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111050.**	**15194.**	**2170.4**	**7143.5**
Stddev	228.	39.	3.3	1.5
%RSD	.20498	.25476	.15166	.02124
#1	110890.	15166.	2172.7	7144.6
#2	111210.	15221.	2168.1	7142.4

Zoom In Zoom Out

Sample Name: jb68264-16 Acquired: 6/10/2014 14:54:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2660**	**.0014**	**.0008**	**.0193**	**.0736**	**.0638**	**2.863**	**.0409**	**-.0003**
Stddev	.0003	.0000	.0001	.0003	.0001	.0000	.004	.0002	.0001
%RSD	.1098	.6776	9.171	1.438	.1711	.0639	.1289	.3935	30.09
#1	.2662	.0014	.0008	.0191	.0737	.0638	2.865	.0411	-.0003
#2	.2658	.0014	.0007	.0195	.0735	.0638	2.860	.0408	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0475**	**.1184**	**.0070**	**-.0003**	**.0586**	**.0173**	**-.0003**	**26.20**	**56.10**
Stddev	.0002	.0008	.0005	.0018	.0001	.0014	.0006	.09	.15
%RSD	.3820	.6613	7.030	596.1	.1997	8.311	183.8	.3548	.2704
#1	.0474	.1179	.0073	-.0016	.0585	.0183	-.0007	26.27	55.99
#2	.0477	.1190	.0066	.0010	.0587	.0163	.0001	26.13	56.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**34.96**	**15.52**	**6.448**	**50.18**	**.1073**	**.0115**	**-.0064**	**35.55**	**.0046**
Stddev	.01	.15	.008	.10	.0005	.0001	.0005	.04	.0003
%RSD	.0232	.9589	.1189	.2016	.4581	.5429	7.248	.1125	5.622
#1	34.96	15.41	6.442	50.25	.1076	.0115	-.0061	35.58	.0044
#2	34.95	15.62	6.453	50.11	.1069	.0114	-.0068	35.52	.0048

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2845**	**.9419**	**-.0115**	**.0057**	**7.296**	**-.0038**	**.0231**
Stddev	.0003	.0008	.0001	.0001	.009	.0001	.0001
%RSD	.1024	.0856	1.203	1.947	.1180	2.651	.2634
#1	.2843	.9425	-.0114	.0056	7.302	-.0037	.0230
#2	.2847	.9413	-.0116	.0058	7.290	-.0038	.0231

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**15696.**	**2169.4**	**6496.9**
Stddev	121.	8.	.0	2.3
%RSD	.11041	.04917	.00184	.03599
#1	109480.	15691.	2169.4	6498.6
#2	109310.	15702.	2169.4	6495.3

Zoom In Zoom Out

Sample Name: jb68363-1 Acquired: 6/10/2014 15:00:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0480**	**.0009**	**.0053**	**.0031**	**.0030**	**.0025**	**.1391**	**.0054**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0002	.0001	.0001
%RSD	.2539	.8226	.3202	4.587	8.126	2.428	.1596	1.648	62.10
#1	.0481	.0009	.0053	.0030	.0032	.0024	.1392	.0054	.0001
#2	.0480	.0009	.0052	.0032	.0028	.0025	.1389	.0053	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0543**	**.0007**	**-.0246**	**.0054**	**.0071**	**.0005**	**.8842**	**9.876**
Stddev	.0003	.0001	.0007	.0001	.0005	.0008	.0002	.0079	.044
%RSD	31.25	.1499	100.2	.5874	9.523	10.74	32.52	.8902	.4501
#1	.0013	.0542	.0011	-.0247	.0050	.0066	.0006	.8898	9.907
#2	.0008	.0543	.0002	-.0245	.0057	.0076	.0004	.8786	9.844

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4809**	**3.971**	**39.19**	**15.04**	**.1066**	**-.0003**	**-.0008**	**7.343**	**.0014**
Stddev	.0031	.003	.04	.01	.0003	.0000	.0003	.021	.0002
%RSD	.6380	.0703	.0896	.0985	.2966	7.167	32.40	.2798	12.96
#1	.4830	3.969	39.22	15.03	.1064	-.0003	-.0007	7.329	.0015
#2	.4787	3.973	39.17	15.05	.1068	-.0003	-.0010	7.358	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0658**	**.0091**	**-.0134**	**.0026**	**31.04**	**-.0012**	**.0081**
Stddev	.0001	.0002	.0003	.0000	.08	.0005	.0007
%RSD	.0944	2.046	2.116	.0098	.2666	42.65	8.669
#1	.0658	.0092	-.0132	.0026	31.10	-.0016	.0086
#2	.0657	.0090	-.0136	.0026	30.98	-.0009	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108620.**	**15225.**	**2126.5**	**6759.6**
Stddev	297.	80.	1.4	.6
%RSD	.27387	.52671	.06574	.00948
#1	108410.	15168.	2127.5	6760.0
#2	108830.	15281.	2125.5	6759.1

Zoom In Zoom Out

Sample Name: mp79934-mb1 Acquired: 6/10/2014 15:06:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**-.0001**	**.0000**	**.0003**	**.0000**	**.0001**	**.0001**	**.0000**
Stddev	.0001	.0000	.0001	.0003	.0001	.000	.0000	.0001	.000
%RSD	50.57	62.53	154.6	1092.	44.57	1102.	15.38	120.4	1135.
#1	.0002	.0000	-.0002	.0003	.0004	-.0003	.0001	.0002	.0002
#2	.0003	-.0001	.0000	-.0002	.0002	.0002	.0001	.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0052**	**-.0005**	**.0004**	**.0001**	**.0028**	**.0008**	**.0004**	**.0232**
Stddev	.0001	.0000	.0000	.0005	.0001	.0021	.0012	.0056	.0004
%RSD	57.56	.4769	8.145	117.7	101.0	77.10	144.9	1551.	1.699
#1	.0001	.0052	-.0005	.0008	.0000	.0043	.0000	.0043	.0229
#2	.0003	.0052	-.0004	.0001	.0001	.0013	.0017	-.0036	.0235

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0226**	**.0318**	**.0034**	**.0163**	**.0003**	**-.0006**	**.0001**	**.0322**	**.0001**
Stddev	.0022	.0172	.0021	.0025	.0006	.0001	.0004	.0001	.0011
%RSD	9.736	54.25	62.32	15.28	204.0	13.17	266.8	.1605	726.5
#1	.0242	.0439	.0019	.0180	-.0001	-.0007	-.0001	.0322	.0009
#2	.0210	.0196	.0049	.0145	.0007	-.0006	.0004	.0323	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0136**	**-.0003**	**.0317**	**.0000**	**.0009**
Stddev	.000	.0006	.0004	.0001	.0012	.0001	.0003
%RSD	67.58	395.4	2.751	42.03	3.874	369.9	31.02
#1	.0000	-.0003	-.0139	-.0002	.0308	.0000	.0011
#2	-.0001	.0006	-.0134	-.0004	.0325	.0001	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110960.**	**15105.**	**2173.2**	**7129.1**
Stddev	128.	56.	1.0	8.8
%RSD	.11535	.36795	.04504	.12284
#1	110860.	15144.	2172.6	7122.9
#2	111050.	15065.	2173.9	7135.3

Zoom In Zoom Out

Sample Name: mp79934-mb2 Acquired: 6/10/2014 15:13:07 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0001**	**.0000**	**.0003**	**-.0001**	**.0000**	**.0004**	**.0001**
Stddev	.0001	.0000	.0002	.000	.0001	.0001	.0000	.0000	.0001
%RSD	88.32	22.15	212.0	522.9	36.50	54.81	6.261	.7585	113.4
#1	-.0001	-.0001	-.0002	.0001	.0003	-.0001	.0000	.0004	.0002
#2	.0000	-.0001	.0000	-.0002	.0004	-.0002	.0000	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0020**	**-.0006**	**-.0009**	**-.0005**	**.0032**	**.0010**	**-.0018**	**.0112**
Stddev	.0003	.0000	.0003	.0003	.0003	.0003	.0005	.0086	.0037
%RSD	1219.	2.030	42.13	29.99	60.06	10.13	44.53	484.3	33.35
#1	.0002	.0019	-.0005	-.0011	-.0008	.0035	.0014	.0043	.0138
#2	-.0002	.0020	-.0008	-.0007	-.0003	.0030	.0007	-.0079	.0086

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**.0339**	**.0129**	**.0076**	**.0001**	**-.0001**	**.0001**	**.0364**	**-.0004**
Stddev	.0017	.0023	.0155	.0001	.0003	.0001	.0003	.0002	.0006
%RSD	29.50	6.912	120.6	1.448	553.1	115.0	303.5	.6811	151.3
#1	.0047	.0322	.0019	.0075	.0003	-.0002	-.0001	.0365	-.0008
#2	.0071	.0355	.0238	.0076	-.0002	.0000	.0003	.0362	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**-.0061**	**.0001**	**.0030**	**-.0005**	**.0016**
Stddev	.0001	.0002	.0003	.0000	.0003	.0007	.0006
%RSD	88.45	239.8	4.614	12.76	11.02	135.2	38.77
#1	.0000	-.0001	-.0063	.0001	.0032	-.0011	.0020
#2	-.0001	.0003	-.0059	.0002	.0027	.0000	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111720.**	**15121.**	**2167.1**	**7120.1**
Stddev	34.	106.	.6	1.7
%RSD	.03022	.70307	.02554	.02348
#1	111690.	15196.	2167.5	7121.3
#2	111740.	15046.	2166.7	7118.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 15:19:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.021**	**2.015**	**2.016**	**2.027**	**2.001**	**2.066**	**2.039**	**.2432**
Stddev	.003	.000	.009	.004	.002	.005	.003	.001	.0007
%RSD	.1474	.0121	.4321	.2010	.0923	.2662	.1632	.0275	.2682
#1	2.021	2.021	2.009	2.013	2.029	2.004	2.069	2.039	.2436
#2	2.025	2.021	2.021	2.019	2.026	1.997	2.064	2.040	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.044**	**1.998**	**2.058**	**2.042**	**2.020**	**2.003**	**39.70**	**39.85**
Stddev	.005	.001	.008	.002	.001	.006	.003	.01	.03
%RSD	.2489	.0341	.4148	.0781	.0379	.2994	.1641	.0376	.0855
#1	2.033	2.043	1.992	2.060	2.043	2.016	2.001	39.71	39.88
#2	2.026	2.044	2.004	2.057	2.042	2.024	2.005	39.69	39.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.66**	**39.22**	**40.11**	**40.28**	**2.024**	**2.031**	**1.986**	**4.977**	**2.049**
Stddev	.01	.06	.05	.05	.013	.005	.000	.021	.011
%RSD	.0350	.1464	.1232	.1258	.6265	.2449	.0055	.4306	.5154
#1	39.67	39.26	40.08	40.25	2.015	2.028	1.986	4.962	2.041
#2	39.65	39.18	40.15	40.32	2.033	2.035	1.986	4.992	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 15:19:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.024**	**1.874**	**2.000**	**1.941**	**2.011**	**1.997**
Stddev	.002	.003	.031	.001	.002	.006	.001
%RSD	.1149	.1461	1.673	.0338	.0837	.3012	.0569
#1	2.042	2.026	1.852	2.000	1.942	2.007	1.997
#2	2.045	2.022	1.897	2.001	1.939	2.015	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105050.**	**14951.**	**2096.4**	**6468.1**
Stddev	26.	25.	7.8	4.9
%RSD	.02508	.16398	.37303	.07549
#1	105030.	14934.	2101.9	6471.5
#2	105070.	14969.	2090.9	6464.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 15:25:28 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0003**	**.0005**	**.0009**	**.0007**	**.0004**	**.0006**	**.0005**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	36.91	3.074	21.81	11.12	8.941	30.65	11.59	9.907	56.95
#1	.0004	.0003	.0006	.0010	.0006	.0005	.0005	.0005	-.0001
#2	.0007	.0003	.0005	.0009	.0007	.0003	.0006	.0006	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0007**	**.0012**	**.0001**	**.0003**	**.0025**	**.0001**	**.0094**	**.0062**
Stddev	.0000	.0003	.0007	.0012	.0007	.0010	.0006	.0057	.0042
%RSD	3.461	44.30	56.76	879.6	204.5	40.74	1144.	60.54	68.10
#1	.0006	.0009	.0017	.0010	-.0001	.0018	-.0004	.0054	.0032
#2	.0006	.0005	.0007	-.0007	.0008	.0033	.0005	.0134	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0105**	**.0337**	**.0455**	**.0083**	**.0013**	F **.0022**	**.0004**	**.0037**	**.0001**
Stddev	.0020	.0019	.0096	.0103	.0000	.0004	.0002	.0005	.0003
%RSD	18.51	5.629	21.14	124.2	.9282	19.84	41.22	13.80	198.9
#1	.0119	.0350	.0523	.0010	.0013	.0025	.0003	.0041	.0004
#2	.0092	.0323	.0387	.0156	.0013	.0019	.0006	.0034	-.0001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 15:25:28 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0006**	**.0090**	**.0009**	**.0007**	**.0010**	**.0010**
Stddev	.0000	.0001	.0025	.0000	.0004	.0001	.0002
%RSD	9.370	9.822	27.68	4.042	52.92	6.564	22.68
#1	.0004	.0005	.0108	.0009	.0005	.0010	.0008
#2	.0003	.0006	.0072	.0010	.0010	.0010	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112390.**	**14951.**	**2184.9**	**7195.0**
Stddev	233.	21.	3.0	14.9
%RSD	.20750	.14128	.13815	.20743
#1	112560.	14966.	2187.0	7205.5
#2	112230.	14936.	2182.8	7184.4

Zoom In Zoom Out

Sample Name: mp79934-mb3 Acquired: 6/10/2014 15:31:46 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0000**	**.0003**	**-.0003**	**.0000**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0003	.0002	.000	.0003	.0000
%RSD	.8424	35.61	82.83	3695.	112.4	51.83	76.38	222.9	3.236
#1	.0002	-.0001	.0000	.0002	.0005	-.0004	.0000	-.0001	-.0001
#2	.0002	-.0001	.0002	-.0002	.0001	-.0002	.0000	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0016**	**.0003**	**-.0022**	**-.0006**	**.0004**	**.0008**	**.0015**	**.0145**
Stddev	.0002	.0001	.0006	.0006	.0004	.0002	.0009	.0027	.0025
%RSD	7818.	4.703	175.8	28.86	75.51	55.25	108.6	174.7	17.01
#1	.0002	.0016	-.0001	-.0017	-.0009	.0002	.0014	.0034	.0128
#2	-.0002	.0017	.0008	-.0026	-.0003	.0005	.0002	-.0004	.0163

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**.0178**	**.0203**	**.0125**	**.0004**	**.0012**	**-.0009**	**.0481**	**.0003**
Stddev	.0007	.0249	.0110	.0046	.0001	.0003	.0001	.0009	.0005
%RSD	10.72	139.8	54.31	37.32	30.37	25.52	12.62	1.954	198.8
#1	.0072	.0002	.0125	.0157	.0004	.0014	-.0010	.0487	.0006
#2	.0062	.0354	.0281	.0092	.0003	.0010	-.0008	.0474	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**.0148**	**.0020**	**.0042**	**-.0004**	**.0014**
Stddev	.0000	.0002	.0020	.0000	.0002	.0003	.0006
%RSD	5.834	70.00	13.49	1.829	4.159	72.80	42.42
#1	-.0001	.0001	.0162	.0020	.0044	-.0002	.0019
#2	-.0001	.0003	.0134	.0020	.0041	-.0006	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111090.**	**15099.**	**2165.6**	**7124.6**
Stddev	6.	62.	5.0	18.3
%RSD	.00567	.41076	.23095	.25627
#1	111090.	15056.	2162.0	7111.7
#2	111100.	15143.	2169.1	7137.5

Zoom In Zoom Out

Sample Name: mp79934-lc1 Acquired: 6/10/2014 15:38:02 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5207**	**.4942**	**.4849**	**.4693**	**.4927**	**.4623**	**.5026**	**.4869**	**.2019**
Stddev	.0031	.0027	.0016	.0002	.0003	.0005	.0001	.0000	.0003
%RSD	.5899	.5522	.3341	.0358	.0700	.1153	.0166	.0024	.1720
#1	.5229	.4962	.4837	.4694	.4929	.4619	.5026	.4869	.2016
#2	.5185	.4923	.4860	.4692	.4924	.4627	.5027	.4869	.2021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4678**	**.5016**	**.4817**	**.5259**	**.4916**	**.5232**	**.4718**	**4.987**	**5.700**
Stddev	.0007	.0001	.0003	.0014	.0011	.0015	.0013	.028	.015
%RSD	.1557	.0109	.0718	.2655	.2335	.2807	.2736	.5662	.2683
#1	.4683	.5016	.4815	.5269	.4908	.5242	.4727	5.006	5.711
#2	.4672	.5017	.4820	.5249	.4925	.5222	.4709	4.967	5.689

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.726**	**5.557**	**10.30**	**10.23**	**.0124**	**.4839**	**-.0017**	**.0532**	**.0006**
Stddev	.025	.027	.07	.08	.0005	.0002	.0004	.0009	.0000
%RSD	.4383	.4857	.7065	.7337	4.178	.0343	22.30	1.728	4.425
#1	5.744	5.538	10.35	10.28	.0120	.4838	-.0015	.0539	.0006
#2	5.709	5.576	10.25	10.18	.0128	.4841	-.0020	.0526	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4927**	**.0014**	**.0053**	**.0271**	**-.0006**	**.0009**
Stddev	.0000	.0010	.0005	.0003	.0011	.0005	.0001
%RSD	20.86	.2046	38.36	5.566	4.028	78.00	15.11
#1	-.0002	.4934	.0018	.0055	.0279	-.0003	.0010
#2	-.0001	.4920	.0010	.0051	.0263	-.0009	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109560.**	**15077.**	**2141.2**	**6868.3**
Stddev	143.	71.	2.1	13.4
%RSD	.13006	.47414	.10026	.19447
#1	109460.	15026.	2139.7	6858.8
#2	109660.	15127.	2142.8	6877.7

Zoom In Zoom Out

Sample Name: mp79934-lc2 Acquired: 6/10/2014 15:44:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5129**	**.4878**	**.4801**	**.4664**	**.4920**	**.4501**	**.4952**	**.4838**	**.1989**
Stddev	.0009	.0008	.0006	.0017	.0002	.0016	.0001	.0004	.0005
%RSD	.1778	.1563	.1285	.3710	.0443	.3545	.0122	.0802	.2364
#1	.5136	.4883	.4797	.4651	.4919	.4512	.4952	.4835	.1992
#2	.5123	.4872	.4805	.4676	.4922	.4489	.4953	.4840	.1985

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4544**	**.4971**	**.4792**	**.5175**	**.4851**	**.5201**	**.4688**	**4.862**	**5.734**
Stddev	.0013	.0012	.0011	.0012	.0011	.0013	.0003	.030	.017
%RSD	.2753	.2334	.2199	.2263	.2187	.2514	.0635	.6233	.3035
#1	.4553	.4962	.4784	.5167	.4858	.5210	.4690	4.883	5.721
#2	.4535	.4979	.4799	.5183	.4843	.5192	.4686	4.840	5.746

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.742**	**5.500**	**10.09**	**9.986**	**.0022**	**.4813**	**-.0011**	**.0316**	**.0002**
Stddev	.001	.036	.04	.020	.0003	.0003	.0003	.0001	.0002
%RSD	.0190	.6522	.3969	.1966	13.99	.0614	23.02	.2781	131.0
#1	5.743	5.474	10.12	10.000	.0024	.4815	-.0013	.0315	.0003
#2	5.742	5.525	10.06	9.972	.0020	.4811	-.0009	.0316	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4862**	**-.0020**	**.0023**	**.0036**	**-.0022**	**.0010**
Stddev	.0000	.0002	.0006	.0002	.0002	.0002	.0004
%RSD	27.46	.0369	30.32	7.284	4.521	9.867	37.10
#1	-.0002	.4860	-.0015	.0022	.0037	-.0023	.0013
#2	-.0001	.4863	-.0024	.0024	.0034	-.0020	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110900.**	**15144.**	**2140.1**	**6883.8**
Stddev	34.	47.	1.4	1.5
%RSD	.03078	.31120	.06593	.02233
#1	110880.	15177.	2139.1	6884.9
#2	110920.	15111.	2141.1	6882.7

Zoom In Zoom Out

Sample Name: mp79934-lc3 Acquired: 6/10/2014 15:50:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4939**	**.4932**	**.4758**	**.4653**	**.4950**	**.4649**	**.5078**	**.4820**	**.1894**
Stddev	.0002	.0005	.0005	.0005	.0005	.0008	.0014	.0003	.0001
%RSD	.0361	.0960	.1077	.1045	.0921	.1731	.2846	.0676	.0497
#1	.4940	.4936	.4761	.4649	.4947	.4643	.5067	.4818	.1894
#2	.4938	.4929	.4754	.4656	.4954	.4654	.5088	.4822	.1895

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4755**	**.5007**	**.4744**	**.5061**	**.4798**	**.5124**	**.4664**	**4.767**	**5.404**
Stddev	.0014	.0014	.0001	.0003	.0006	.0023	.0012	.006	.024
%RSD	.3001	.2707	.0316	.0653	.1265	.4456	.2594	.1293	.4382
#1	.4745	.4997	.4745	.5064	.4794	.5141	.4673	4.762	5.387
#2	.4765	.5016	.4743	.5059	.4803	.5108	.4656	4.771	5.421

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.441**	**5.236**	**9.798**	**9.751**	**.0060**	**.4899**	**-.0015**	**.0064**	**.0010**
Stddev	.003	.028	.003	.006	.0006	.0005	.0006	.0002	.0002
%RSD	.0570	.5297	.0252	.0657	9.677	.0955	40.66	2.456	17.38
#1	5.439	5.256	9.800	9.756	.0056	.4895	-.0011	.0065	.0011
#2	5.443	5.217	9.796	9.747	.0064	.4902	-.0019	.0063	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4974**	**.0076**	**.0024**	**.0150**	**-.0017**	**.0005**
Stddev	.0001	.0005	.0014	.0001	.0019	.0002	.0008
%RSD	28.82	.0929	18.57	4.229	12.59	12.17	150.0
#1	-.0002	.4971	.0086	.0023	.0163	-.0015	.0011
#2	-.0002	.4977	.0066	.0025	.0137	-.0018	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108830.**	**15013.**	**2131.7**	**6872.2**
Stddev	75.	68.	3.6	4.7
%RSD	.06935	.45009	.17037	.06770
#1	108880.	15061.	2129.1	6875.5
#2	108780.	14966.	2134.3	6868.9

Zoom In Zoom Out

Sample Name: jb68341-1a Acquired: 6/10/2014 15:56:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8901**	**.0052**	**.0003**	**.0626**	**.1605**	**.2737**	**2.177**	**.1334**	**-.0012**
Stddev	.0012	.0001	.0001	.0001	.0010	.0004	.008	.0009	.0003
%RSD	.1338	1.570	33.58	.1623	.6169	.1617	.3524	.7003	24.53
#1	.8892	.0053	.0003	.0627	.1598	.2740	2.171	.1341	-.0014
#2	.8909	.0052	.0004	.0626	.1612	.2734	2.182	.1327	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1957**	**2.974**	**.0280**	**-.0047**	**.2641**	**.0221**	**-.0003**	**77.22**	**33.27**
Stddev	.0004	.000	.0005	.0012	.0002	.0011	.0005	.08	.13
%RSD	.2189	.0029	1.895	25.91	.0581	5.192	175.2	.1010	.3822
#1	.1954	2.974	.0276	-.0038	.2640	.0213	.0001	77.27	33.36
#2	.1960	2.974	.0283	-.0056	.2643	.0230	-.0007	77.16	33.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**145.1**	**29.36**	**18.72**	**21.39**	**.0237**	**.0011**	**-.0144**	**46.77**	**.0163**
Stddev	.2	.17	.03	.01	.0004	.0001	.0003	.01	.0002
%RSD	.1194	.5953	.1525	.0444	1.671	9.124	2.224	.0184	1.114
#1	145.2	29.49	18.74	21.40	.0234	.0010	-.0146	46.77	.0161
#2	145.0	29.24	18.70	21.38	.0240	.0012	-.0142	46.78	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1774**	**4.224**	**.0069**	**.0046**	**5.628**	**-.0082**	**.1109**
Stddev	.0003	.007	.0009	.0002	.004	.0002	.0004
%RSD	.1427	.1704	12.98	4.106	.0805	2.052	.3675
#1	.1773	4.219	.0075	.0047	5.631	-.0081	.1106
#2	.1776	4.229	.0062	.0044	5.625	-.0083	.1112

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110370.**	**15783.**	**2183.0**	**6603.5**
Stddev	197.	118.	.9	1.2
%RSD	.17871	.75009	.04025	.01848
#1	110510.	15699.	2182.4	6602.7
#2	110230.	15867.	2183.6	6604.4

Zoom In Zoom Out

Sample Name: jb68341-1af Acquired: 6/10/2014 16:02:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2445**	**.0001**	**.0003**	**.0011**	**.0016**	**.0010**	**2.367**	**.0041**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0005	.0002	.005	.0001	.0000
%RSD	.0381	41.99	23.71	13.66	28.16	16.83	.2338	2.496	21.73
#1	.2444	.0001	.0003	.0010	.0013	.0009	2.363	.0040	.0001
#2	.2445	.0002	.0004	.0012	.0020	.0012	2.371	.0041	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0024**	**.0024**	**-.0009**	**.0014**	**.0127**	**-.0003**	**.0143**	**108.5**
Stddev	.0001	.0002	.0003	.0013	.0008	.0013	.0005	.0041	.2
%RSD	15.90	7.652	13.00	137.8	58.36	10.51	205.1	28.38	.1970
#1	.0005	-.0025	.0021	-.0019	.0019	.0137	-.0006	.0171	108.3
#2	.0006	-.0022	.0026	.0000	.0008	.0118	.0001	.0114	108.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.996**	**30.51**	**9.544**	**116.7**	**.0788**	**.0060**	**-.0045**	**9.118**	**.0010**
Stddev	.004	.15	.009	.0	.0008	.0001	.0005	.002	.0004
%RSD	.1400	.4885	.0903	.0315	1.019	1.660	12.25	.0221	34.18
#1	2.993	30.41	9.551	116.7	.0794	.0059	-.0041	9.116	.0008
#2	2.999	30.62	9.538	116.8	.0783	.0061	-.0048	9.119	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5196**	**.0013**	**-.0104**	**-.0004**	**1.092**	**-.0008**	**.0079**
Stddev	.0010	.0003	.0001	.0000	.001	.0005	.0005
%RSD	.1873	26.52	.5945	9.923	.0605	66.18	6.686
#1	.5189	.0010	-.0103	-.0003	1.092	-.0012	.0075
#2	.5203	.0015	-.0104	-.0004	1.092	-.0004	.0083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101920.**	**14855.**	**2010.5**	**6194.5**
Stddev	3.	73.	1.8	7.5
%RSD	.00269	.48848	.09134	.12065
#1	101920.	14906.	2009.2	6189.2
#2	101930.	14804.	2011.8	6199.8

Zoom In Zoom Out

Sample Name: jb68352-1a Acquired: 6/10/2014 16:08:38 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5160**	**.0026**	**.0014**	**.0247**	**.0828**	**.2899**	**1.170**	**.0664**	**.0004**
Stddev	.0015	.0000	.0001	.0002	.0004	.0003	.000	.0003	.0001
%RSD	.2827	1.207	10.18	.9350	.4563	.0975	.0265	.4147	22.55
#1	.5170	.0027	.0015	.0248	.0826	.2897	1.169	.0666	.0004
#2	.5150	.0026	.0013	.0245	.0831	.2901	1.170	.0662	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1032**	**.4453**	**.0166**	**.0030**	**.4044**	**.0196**	**.0002**	**41.77**	**47.07**
Stddev	.0002	.0001	.0006	.0020	.0013	.0015	.0002	.04	.09
%RSD	.1651	.0191	3.419	66.54	.3274	7.698	86.93	.1061	.1888
#1	.1031	.4453	.0162	.0016	.4035	.0207	.0001	41.80	47.00
#2	.1033	.4454	.0170	.0044	.4054	.0186	.0003	41.74	47.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**56.63**	**22.75**	**6.216**	**49.60**	**.0307**	**.0008**	**-.0074**	**41.68**	**.0227**
Stddev	.05	.01	.005	.10	.0002	.0002	.0003	.03	.0003
%RSD	.0877	.0429	.0798	.1971	.7446	22.00	3.992	.0785	1.431
#1	56.60	22.74	6.213	49.67	.0306	.0009	-.0072	41.66	.0225
#2	56.67	22.76	6.220	49.53	.0309	.0007	-.0076	41.71	.0230

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1434**	**1.134**	**-.0086**	**-.0002**	**3.434**	**-.0037**	**.0491**
Stddev	.0002	.001	.0006	.0000	.008	.0005	.0001
%RSD	.1263	.1188	6.630	27.29	.2393	13.00	.2361
#1	.1436	1.134	-.0082	-.0002	3.440	-.0033	.0491
#2	.1433	1.133	-.0090	-.0001	3.428	-.0040	.0490

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**15354.**	**2141.7**	**6500.3**
Stddev	51.	26.	1.8	2.9
%RSD	.04620	.17136	.08396	.04464
#1	109370.	15373.	2140.5	6502.4
#2	109440.	15336.	2143.0	6498.3

Zoom In Zoom Out

Sample Name: jb68352-1f Acquired: 6/10/2014 16:14:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0634**	**.0000**	**.0001**	**-.0004**	**.0012**	**.0014**	**1.122**	**.0012**	**.0001**
Stddev	.0000	.0000	.0001	.0004	.0003	.0002	.000	.0002	.0004
%RSD	.0776	224.5	90.94	124.3	23.91	14.89	.0122	18.72	264.1
#1	.0634	.0000	.0001	-.0007	.0010	.0012	1.122	.0010	-.0001
#2	.0634	.0000	.0000	.0000	.0014	.0015	1.122	.0013	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0599**	**.0008**	**.0024**	**.0014**	**.0076**	**.0001**	**.0086**	**60.38**
Stddev	.0003	.0002	.0007	.0002	.0013	.0010	.0007	.0017	.28
%RSD	131.8	.3999	93.91	6.167	91.35	12.81	570.7	19.37	.4669
#1	.0000	.0600	.0003	.0025	.0005	.0083	-.0004	.0075	60.58
#2	.0004	.0597	.0013	.0023	.0023	.0069	.0006	.0098	60.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0241**	**15.46**	**4.492**	**103.5**	**.0469**	**.0013**	**-.0018**	**8.610**	**.0017**
Stddev	.0011	.01	.021	.1	.0003	.0001	.0001	.006	.0000
%RSD	4.519	.0662	.4742	.1399	.7170	10.31	4.207	.0667	.3347
#1	.0233	15.47	4.477	103.4	.0467	.0014	-.0018	8.614	.0017
#2	.0249	15.46	4.507	103.6	.0471	.0012	-.0017	8.606	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1846**	**.0005**	**-.0125**	**-.0010**	**.2076**	**.0001**	**.0027**
Stddev	.0007	.0002	.0004	.0000	.0001	.0000	.0002
%RSD	.3561	34.96	3.444	1.471	.0661	19.90	7.835
#1	.1850	.0004	-.0122	-.0010	.2075	.0001	.0028
#2	.1841	.0006	-.0128	-.0010	.2077	.0001	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103150.**	**14848.**	**2046.9**	**6337.4**
Stddev	153.	1.	2.1	15.2
%RSD	.14793	.00950	.10453	.23993
#1	103040.	14847.	2045.4	6326.6
#2	103250.	14849.	2048.4	6348.1

Zoom In Zoom Out

Sample Name: jb68735-15 Acquired: 6/10/2014 16:20:59 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2812**	**.0004**	**.0002**	**.0153**	**.0057**	**.0117**	**4.646**	**.0181**	**-.0015**
Stddev	.0007	.0001	.0002	.0000	.0001	.0008	.002	.0003	.0005
%RSD	.2381	16.52	105.9	.1853	1.714	7.247	.0391	1.895	35.52
#1	.2808	.0003	.0001	.0153	.0056	.0123	4.644	.0179	-.0011
#2	.2817	.0004	.0004	.0153	.0058	.0111	4.647	.0183	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.1507**	**.0035**	**-.0010**	**.0084**	**.0071**	**.0029**	**2.597**	**30.30**
Stddev	.0002	.0003	.0007	.0014	.0005	.0025	.0009	.013	.06
%RSD	4.438	.1857	19.24	147.8	5.396	34.38	30.21	.4960	.2056
#1	.0052	.1509	.0040	-.0020	.0081	.0089	.0035	2.607	30.35
#2	.0055	.1506	.0031	.0000	.0088	.0054	.0023	2.588	30.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.6**	**33.36**	**4.195**	**162.5**	**.0208**	**-.0081**	**-.0055**	**6.417**	**.0005**
Stddev	.1	.09	.017	1.4	.0005	.0000	.0005	.001	.0005
%RSD	.0828	.2613	.4104	.8362	2.230	.5974	8.475	.0092	112.5
#1	154.6	33.42	4.183	163.5	.0205	-.0081	-.0058	6.416	.0001
#2	154.5	33.30	4.207	161.6	.0211	-.0082	-.0052	6.417	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1890**	**.0478**	**-.0053**	**.0080**	**99.87**	**.0026**	**.0052**
Stddev	.0002	.0004	.0011	.0001	.91	.0008	.0004
%RSD	.1161	.8566	21.50	.8493	.9137	28.93	7.252
#1	.1888	.0481	-.0045	.0079	99.23	.0032	.0055
#2	.1891	.0475	-.0061	.0080	100.5	.0021	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103190.**	**14915.**	**2026.7**	**6385.8**
Stddev	72.	86.	.6	9.6
%RSD	.06937	.57361	.03134	.15087
#1	103140.	14854.	2026.3	6392.7
#2	103240.	14975.	2027.2	6379.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:27:21 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.004**	**2.012**	**2.010**	**2.009**	**1.968**	**2.035**	**2.034**	**.2406**
Stddev	.003	.002	.020	.012	.002	.005	.005	.010	.0009
%RSD	.1440	.0981	.9848	.6056	.0793	.2788	.2281	.4802	.3657
#1	2.010	2.005	1.998	2.002	2.010	1.972	2.038	2.027	.2412
#2	2.014	2.003	2.026	2.019	2.007	1.964	2.032	2.041	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.989**	**2.038**	**2.001**	**2.099**	**2.031**	**2.022**	**1.997**	**39.18**	**40.02**
Stddev	.007	.010	.022	.019	.009	.019	.022	.01	.02
%RSD	.3415	.5031	1.122	.8913	.4653	.9269	1.100	.0176	.0437
#1	1.993	2.031	1.986	2.086	2.024	2.009	1.981	39.18	40.03
#2	1.984	2.046	2.017	2.112	2.037	2.036	2.012	39.17	40.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.57**	**39.34**	**39.90**	**39.91**	**2.020**	**2.030**	**1.963**	**4.988**	**2.059**
Stddev	.04	.03	.02	.04	.021	.018	.001	.050	.018
%RSD	.0962	.0723	.0606	.1050	1.027	.8958	.0373	1.005	.8781
#1	39.60	39.36	39.88	39.88	2.005	2.017	1.963	4.952	2.046
#2	39.54	39.32	39.92	39.94	2.034	2.043	1.964	5.023	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:27:21 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**1.996**	**1.859**	**1.980**	**1.980**	**2.006**	**1.990**
Stddev	.002	.005	.041	.000	.016	.018	.000
%RSD	.0736	.2290	2.176	.0162	.8234	.8712	.0095
#1	2.043	1.999	1.831	1.981	1.969	1.994	1.990
#2	2.045	1.993	1.888	1.980	1.992	2.018	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106530.**	**14883.**	**2096.5**	**6482.0**
Stddev	104.	.	17.4	34.4
%RSD	.09772	.00054	.83153	.53019
#1	106460.	14882.	2108.8	6506.3
#2	106600.	14883.	2084.1	6457.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:33:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	F **.0011**	**.0004**	**.0008**	**.0010**	**.0009**	**.0010**	**.0006**	**-.0001**
Stddev	.0000	.0001	.0001	.0003	.0005	.0003	.0001	.0003	.0002
%RSD	2.274	11.47	29.68	36.54	52.04	31.03	12.44	51.59	198.1
#1	.0013	.0010	.0005	.0010	.0014	.0010	.0011	.0009	-.0003
#2	.0013	.0012	.0003	.0006	.0006	.0007	.0009	.0004	.0000
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010							
Low Limit		-.0010							

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0007**	**.0015**	**.0002**	**.0007**	**.0030**	**.0004**	**.0237**	**.0236**
Stddev	.0000	.0002	.0000	.0007	.0009	.0002	.0004	.0001	.0032
%RSD	2.281	23.90	1.372	326.0	131.5	5.409	106.4	.2583	13.46
#1	.0012	.0008	.0015	.0007	.0014	.0031	.0007	.0236	.0214
#2	.0012	.0006	.0015	-.0003	.0001	.0029	.0001	.0237	.0259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0286**	**.0368**	**.0709**	**.0416**	**.0015**	**.0018**	**.0005**	**.0059**	**.0006**
Stddev	.0041	.0275	.0053	.0024	.0000	.0004	.0005	.0001	.0005
%RSD	14.39	74.71	7.432	5.745	2.614	21.88	87.23	.9839	90.97
#1	.0257	.0563	.0672	.0399	.0015	.0021	.0009	.0060	.0009
#2	.0316	.0174	.0746	.0432	.0015	.0016	.0002	.0059	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:33:24 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0012**	F **.0011**	**.0077**	F **.0011**	**.0027**	**.0005**	F **.0026**
Stddev	.0001	.0004	.0020	.0000	.0009	.0003	.0003
%RSD	10.46	33.02	26.10	3.962	34.28	58.10	10.77
#1	.0011	.0014	.0092	.0011	.0020	.0003	.0024
#2	.0013	.0009	.0063	.0010	.0033	.0008	.0027
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	.0010	.0010		.0010			.0020
Low Limit	-.0010	-.0010		-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111910.**	**15007.**	**2188.8**	**7200.7**
Stddev	80.	12.	3.8	21.1
%RSD	.07160	.07779	.17267	.29236
#1	111970.	15015.	2191.5	7215.6
#2	111850.	14999.	2186.1	7185.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:44:54 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.019**	**2.013**	**2.013**	**2.024**	**2.000**	**2.064**	**2.036**	**.2430**
Stddev	.005	.004	.006	.001	.004	.007	.001	.001	.0005
%RSD	.2268	.1760	.2790	.0406	.1806	.3650	.0442	.0334	.2098
#1	2.030	2.016	2.009	2.013	2.021	2.006	2.063	2.035	.2434
#2	2.037	2.021	2.017	2.014	2.026	1.995	2.064	2.036	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.043**	**1.996**	**2.120**	**2.038**	**2.023**	**1.999**	**39.74**	**39.92**
Stddev	.006	.003	.008	.014	.002	.001	.005	.01	.06
%RSD	.2989	.1209	.3867	.6671	.0894	.0285	.2484	.0173	.1433
#1	2.032	2.041	1.990	2.110	2.040	2.023	1.996	39.74	39.88
#2	2.024	2.045	2.001	2.130	2.037	2.024	2.003	39.75	39.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.55**	**39.23**	**40.34**	**40.45**	**2.021**	**2.035**	**1.991**	**4.982**	**2.056**
Stddev	.02	.08	.07	.07	.008	.006	.005	.012	.005
%RSD	.0518	.2159	.1813	.1775	.3775	.2756	.2501	.2315	.2454
#1	39.53	39.17	40.29	40.40	2.016	2.031	1.994	4.973	2.052
#2	39.56	39.29	40.39	40.50	2.027	2.039	1.987	4.990	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:44:54 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.024**	**1.891**	**2.011**	**1.984**	**2.007**	**2.007**
Stddev	.003	.001	.029	.000	.014	.003	.009
%RSD	.1613	.0448	1.520	.0202	.7206	.1432	.4385
#1	2.044	2.024	1.871	2.010	1.974	2.005	2.001
#2	2.049	2.023	1.911	2.011	1.994	2.009	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104880.**	**14799.**	**2090.2**	**6451.6**
Stddev	136.	30.	4.7	4.7
%RSD	.12953	.20473	.22354	.07354
#1	104780.	14820.	2093.5	6454.9
#2	104980.	14778.	2086.9	6448.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:50:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0002**	**.0006**	**.0008**	**.0009**	**.0008**	**.0003**	**.0000**
Stddev	.0000	.0001	.0001	.0001	.0003	.0003	.0000	.0001	.0002
%RSD	1.870	13.05	67.97	24.49	30.63	37.95	4.792	35.87	765.1
#1	.0010	.0008	.0002	.0007	.0006	.0011	.0008	.0004	-.0001
#2	.0011	.0010	.0001	.0005	.0010	.0006	.0008	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0006**	**.0015**	**-.0005**	**.0004**	**-.0004**	**-.0005**	**.0127**	**.0163**
Stddev	.0001	.0000	.0002	.0015	.0007	.0005	.0006	.0061	.0009
%RSD	13.78	5.910	12.26	320.6	202.2	114.9	122.6	47.54	5.321
#1	.0009	.0006	.0016	-.0015	-.0002	-.0001	-.0001	.0085	.0157
#2	.0011	.0006	.0013	.0006	.0009	-.0008	-.0009	.0170	.0170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0175**	**.0389**	**.0640**	**.0242**	**.0005**	F **.0021**	**.0003**	**.0025**	**-.0007**
Stddev	.0031	.0002	.0142	.0010	.0001	.0006	.0004	.0010	.0001
%RSD	17.62	.6066	22.27	4.110	13.12	28.02	148.9	39.46	7.483
#1	.0154	.0387	.0539	.0249	.0006	.0025	.0005	.0018	-.0007
#2	.0197	.0390	.0741	.0235	.0005	.0017	.0000	.0033	-.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:50:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	F **.0011**	F **.0167**	F **.0015**	**.0022**	**.0011**	**.0011**
Stddev	.0001	.0000	.0030	.0003	.0006	.0010	.0004
%RSD	9.248	3.774	17.78	23.30	28.73	91.52	33.97
#1	.0009	.0010	.0188	.0017	.0026	.0004	.0013
#2	.0010	.0011	.0146	.0012	.0017	.0018	.0008
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109820.**	**14967.**	**2165.0**	**7144.0**
Stddev	4037.	146.	5.3	23.6
%RSD	3.6758	.97489	.24588	.33069
#1	106960.	15070.	2161.2	7127.3
#2	112670.	14864.	2168.7	7160.7

Zoom In Zoom Out

Sample Name: jb68735-16 Acquired: 6/10/2014 16:57:15 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3931**	**.0016**	**.0035**	**.0892**	**.0082**	**.0123**	**10.19**	**.0787**	**-.0036**
Stddev	.0001	.0000	.0001	.0007	.0004	.0000	.00	.0000	.0002
%RSD	.0217	1.356	2.842	.7290	4.659	.2566	.0098	.0628	5.637
#1	.3930	.0015	.0036	.0896	.0079	.0122	10.19	.0788	-.0037
#2	.3931	.0016	.0034	.0887	.0085	.0123	10.19	.0787	-.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0082**	**.1924**	**.0126**	**-.0092**	**.0184**	**.0023**	**.0071**	**2.698**	**45.10**
Stddev	.0001	.0020	.0006	.0001	.0011	.0029	.0006	.002	.06
%RSD	1.023	1.049	4.461	.5567	5.755	127.3	8.975	.0606	.1434
#1	.0082	.1938	.0130	-.0092	.0191	.0044	.0075	2.699	45.05
#2	.0081	.1910	.0122	-.0091	.0176	.0002	.0066	2.696	45.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**181.7**	**106.3**	**8.056**	**497.5**	**.0261**	**-.0081**	**-.0149**	**5.572**	**-.0001**
Stddev	.0	.0	.029	6.0	.0002	.0000	.0010	.041	.0019
%RSD	.0023	.0027	.3623	1.214	.8003	.5572	6.572	.7283	3041.
#1	181.7	106.3	8.035	501.8	.0263	-.0082	-.0156	5.600	.0013
#2	181.7	106.3	8.076	493.3	.0260	-.0081	-.0142	5.543	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4780**	**.0771**	**.0116**	**.0395**	**403.3**	**.0014**	**.0066**
Stddev	.0001	.0003	.0005	.0005	4.2	.0002	.0012
%RSD	.0147	.3669	4.505	1.196	1.038	13.76	17.48
#1	.4780	.0773	.0120	.0399	406.2	.0016	.0058
#2	.4779	.0769	.0112	.0392	400.3	.0013	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100120.**	**15081.**	**1999.5**	**5876.2**
Stddev	193.	2.	15.1	36.5
%RSD	.19236	.01467	.75646	.62146
#1	99982.	15080.	1988.8	5850.4
#2	100250.	15083.	2010.2	5902.0

Zoom In Zoom Out

Sample Name: jb68735-17 Acquired: 6/10/2014 17:03:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0573**	**.0011**	**.0001**	**.0084**	**.0079**	**.0141**	**.2096**	**.0089**	**-.0003**
Stddev	.0001	.0001	.0001	.0001	.0005	.0005	.0004	.0002	.0002
%RSD	.1747	7.323	57.55	.8055	6.835	3.258	.1752	2.171	51.48
#1	.0574	.0011	.0002	.0083	.0083	.0138	.2094	.0090	-.0004
#2	.0572	.0010	.0001	.0084	.0075	.0145	.2099	.0088	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0145**	**.4316**	**.0040**	**.0009**	**.0113**	**.0040**	**.0009**	**2.911**	**33.90**
Stddev	.0001	.0000	.0000	.0036	.0005	.0004	.0002	.007	.01
%RSD	.9385	.0014	.3399	381.7	4.846	9.718	20.50	.2387	.0321
#1	.0144	.4316	.0040	-.0016	.0117	.0043	.0008	2.906	33.91
#2	.0146	.4316	.0040	.0035	.0109	.0038	.0011	2.916	33.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**13.34**	**10.03**	**3.771**	**471.3**	**.0342**	**.0035**	**-.0032**	**7.353**	**.0042**
Stddev	.02	.03	.008	.4	.0004	.0002	.0001	.003	.0001
%RSD	.1155	.2964	.2160	.0924	1.279	4.834	1.922	.0461	2.894
#1	13.33	10.01	3.765	471.6	.0345	.0034	-.0031	7.356	.0042
#2	13.35	10.05	3.777	471.0	.0339	.0036	-.0032	7.351	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0576**	**.0728**	**-.0016**	**.0145**	**114.5**	**-.0011**	**.0061**
Stddev	.0004	.0002	.0005	.0003	.1	.0006	.0000
%RSD	.6951	.2520	33.56	1.988	.0733	54.26	.2905
#1	.0578	.0726	-.0012	.0148	114.6	-.0015	.0061
#2	.0573	.0729	-.0020	.0143	114.5	-.0007	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98774.**	**14867.**	**1998.0**	**5835.0**
Stddev	199.	18.	.7	2.4
%RSD	.20155	.11943	.03256	.04143
#1	98915.	14879.	1998.5	5836.7
#2	98634.	14854.	1997.6	5833.3

Zoom In Zoom Out

Sample Name: jb68735-19 Acquired: 6/10/2014 17:09:51 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0908**	**.0001**	**.0001**	**.0032**	**.0025**	**.0137**	**.4903**	**.0075**	**.0000**
Stddev	.0004	.0000	.0000	.0001	.0002	.0003	.0010	.0001	.000
%RSD	.4574	26.32	26.48	2.954	9.276	2.467	.2135	1.127	215.7
#1	.0911	.0001	.0001	.0033	.0027	.0134	.4911	.0074	.0000
#2	.0905	.0001	.0002	.0032	.0023	.0139	.4896	.0075	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.3244**	**.0023**	**.0019**	**.0058**	**.0099**	**.0029**	**.3911**	**73.18**
Stddev	.0001	.0001	.0001	.0032	.0003	.0046	.0008	.0022	.06
%RSD	6.616	.0313	2.749	169.5	5.186	46.57	25.51	.5748	.0825
#1	.0018	.3243	.0022	-.0004	.0061	.0132	.0024	.3895	73.22
#2	.0020	.3244	.0023	.0041	.0056	.0066	.0035	.3927	73.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.895**	**31.35**	**5.699**	**380.9**	**.0333**	**.0048**	**-.0031**	**9.462**	**.0028**
Stddev	.026	.10	.024	.5	.0002	.0000	.0006	.014	.0002
%RSD	.3768	.3227	.4243	.1206	.5637	.4736	19.77	.1427	6.357
#1	6.877	31.28	5.682	380.6	.0332	.0049	-.0035	9.472	.0030
#2	6.914	31.42	5.716	381.2	.0334	.0048	-.0026	9.453	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1647**	**.0124**	**-.0050**	**.0094**	**96.48**	**-.0003**	**.0169**
Stddev	.0005	.0002	.0005	.0001	.05	.0004	.0004
%RSD	.3202	1.506	9.094	.6517	.0553	121.3	2.164
#1	.1651	.0122	-.0047	.0094	96.45	-.0006	.0166
#2	.1643	.0125	-.0053	.0094	96.52	.0000	.0171

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97865.**	**14767.**	**1972.7**	**5858.0**
Stddev	340.	27.	3.1	5.3
%RSD	.34704	.18526	.15745	.08974
#1	97625.	14787.	1970.5	5854.3
#2	98105.	14748.	1974.9	5861.7

Zoom In Zoom Out

Sample Name: jb68735-20 Acquired: 6/10/2014 17:16:09 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2781**	**.0027**	**.0004**	**.0552**	**.0043**	**.0064**	**3.495**	**.0194**	**-.0001**
Stddev	.0006	.0001	.0000	.0005	.0006	.0001	.002	.0002	.0002
%RSD	.2302	2.703	.5064	.8930	13.32	1.325	.0662	.8913	162.4
#1	.2776	.0028	.0004	.0555	.0047	.0065	3.493	.0193	-.0002
#2	.2785	.0027	.0004	.0548	.0039	.0063	3.496	.0195	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0039**	**.0818**	**.0030**	**-.0003**	**.0062**	**.0069**	**.0018**	**1.491**	**28.32**
Stddev	.0001	.0002	.0000	.0021	.0002	.0005	.0004	.010	.16
%RSD	3.195	.2772	.3538	821.8	2.609	6.762	24.02	.6576	.5517
#1	.0040	.0816	.0030	.0012	.0063	.0066	.0015	1.485	28.43
#2	.0038	.0819	.0030	-.0017	.0061	.0072	.0022	1.498	28.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.17**	**17.03**	**3.958**	**401.6**	**.1918**	**.0004**	**-.0039**	**5.821**	**.0036**
Stddev	.06	.11	.012	5.3	.0006	.0003	.0001	.003	.0006
%RSD	.4073	.6732	.2952	1.314	.2883	79.85	1.795	.0515	16.08
#1	15.22	17.11	3.967	405.3	.1922	.0002	-.0040	5.819	.0032
#2	15.13	16.95	3.950	397.9	.1914	.0006	-.0039	5.823	.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1468**	**.0224**	**-.0064**	**.0153**	**146.0**	**-.0001**	**.0073**
Stddev	.0008	.0002	.0001	.0001	.8	.0001	.0005
%RSD	.5164	1.031	2.017	.8427	.5450	61.04	6.859
#1	.1474	.0223	-.0063	.0152	145.5	-.0001	.0076
#2	.1463	.0226	-.0065	.0154	146.6	-.0001	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100470.**	**14957.**	**2019.7**	**5939.1**
Stddev	13.	24.	.4	2.5
%RSD	.01287	.15866	.02030	.04292
#1	100460.	14941.	2019.4	5937.3
#2	100480.	14974.	2020.0	5940.9

Zoom In Zoom Out

Sample Name: jb68735-15f Acquired: 6/10/2014 17:22:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1359**	**.0000**	**.0000**	**.0149**	**.0005**	**-.0036**	**5.159**	**.0142**	**-.0011**
Stddev	.0005	.0000	.0001	.0001	.0000	.0002	.013	.0005	.0002
%RSD	.3435	59.01	239.1	.8638	5.137	6.257	.2520	3.325	20.66
#1	.1356	.0001	.0000	.0148	.0006	-.0035	5.168	.0139	-.0009
#2	.1363	.0000	.0001	.0150	.0005	-.0038	5.150	.0146	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0226**	**.0026**	**-.0022**	**.0037**	**.0065**	**.0036**	**-.0007**	**32.55**
Stddev	.0000	.0003	.0007	.0008	.0004	.0018	.0013	.0000	.11
%RSD	3.918	1.287	25.72	38.58	12.06	27.81	35.64	.7311	.3526
#1	-.0007	.0224	.0021	-.0016	.0034	.0053	.0027	-.0007	32.63
#2	-.0007	.0228	.0031	-.0028	.0040	.0078	.0044	-.0007	32.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.4**	**36.46**	**4.275**	**177.4**	**.0223**	**-.0066**	**-.0039**	**2.711**	**.0006**
Stddev	.2	.13	.007	1.3	.0000	.0002	.0002	.041	.0004
%RSD	.1727	.3520	.1759	.7051	.1959	2.493	5.231	1.510	57.31
#1	126.6	36.55	4.270	178.2	.0223	-.0067	-.0037	2.682	.0009
#2	126.3	36.36	4.281	176.5	.0222	-.0065	-.0040	2.740	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2012**	**.0000**	**-.0014**	**.0082**	**109.7**	**.0025**	**.0051**
Stddev	.0002	.0001	.0004	.0003	2.6	.0001	.0002
%RSD	.1088	702.6	31.98	3.734	2.331	4.319	3.705
#1	.2011	.0001	-.0011	.0080	107.9	.0025	.0052
#2	.2014	-.0001	-.0017	.0084	111.5	.0026	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101470.**	**14776.**	**1998.2**	**6276.9**
Stddev	101.	127.	26.1	89.9
%RSD	.09968	.86189	1.3045	1.4316
#1	101400.	14686.	2016.7	6340.4
#2	101540.	14866.	1979.8	6213.4

Zoom In Zoom Out

Sample Name: jb68735-16f Acquired: 6/10/2014 17:28:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0403**	**.0018**	**.0025**	**.1838**	**.0027**	**-.0036**	**13.88**	**.1696**	**-.0038**
Stddev	.0003	.0001	.0000	.0011	.0001	.0001	.01	.0007	.0001
%RSD	.6767	2.971	1.196	.5753	4.969	4.079	.0744	.4389	3.447
#1	.0401	.0018	.0025	.1831	.0026	-.0035	13.87	.1691	-.0037
#2	.0405	.0017	.0025	.1846	.0028	-.0038	13.89	.1701	-.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0020**	**.1711**	**.0139**	**-.0120**	**.0139**	**.0021**	**.0072**	**.2193**	**67.32**
Stddev	.0003	.0003	.0007	.0025	.0002	.0011	.0010	.0049	.08
%RSD	17.01	.1583	4.755	20.78	1.579	51.57	13.38	2.254	.1191
#1	-.0018	.1709	.0144	-.0137	.0141	.0013	.0065	.2158	67.37
#2	-.0023	.1713	.0134	-.0102	.0138	.0029	.0078	.2228	67.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.1**	**140.7**	**8.582**	**635.9**	**.0246**	**-.0067**	**-.0178**	**2.464**	**-.0036**
Stddev	.2	.3	.035	7.9	.0010	.0001	.0002	.003	.0007
%RSD	.1255	.1910	.4121	1.235	4.204	1.351	1.288	.1329	18.91
#1	138.2	140.9	8.557	641.4	.0254	-.0067	-.0177	2.466	-.0031
#2	138.0	140.5	8.607	630.3	.0239	-.0066	-.0180	2.462	-.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6849**	**.0003**	**-.0037**	**.0523**	**557.6**	**.0009**	**.0072**
Stddev	.0009	.0001	.0012	.0000	.5	.0005	.0013
%RSD	.1351	21.42	32.68	.0661	.0900	60.69	18.05
#1	.6843	.0003	-.0046	.0523	557.9	.0005	.0063
#2	.6856	.0003	-.0029	.0523	557.2	.0013	.0082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99024.**	**15374.**	**2003.8**	**5642.0**
Stddev	155.	56.	3.3	.6
%RSD	.15661	.36709	.16268	.00976
#1	98914.	15334.	2001.5	5641.7
#2	99133.	15414.	2006.1	5642.4

Zoom In Zoom Out

Sample Name: jb68735-17f Acquired: 6/10/2014 17:35:11 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0407**	**.0002**	**.0001**	**.0050**	**.0008**	**.0039**	**.2112**	**.0039**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0001	.0000	.0001	.0000	.0001
%RSD	.1773	.2657	89.79	1.362	15.90	.4291	.0342	.4572	25.12
#1	.0407	.0002	.0000	.0050	.0009	.0039	.2112	.0039	.0003
#2	.0406	.0002	.0002	.0051	.0007	.0039	.2113	.0039	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0807**	**.0009**	**.0026**	**.0032**	**.0053**	**.0021**	**.0172**	**36.93**
Stddev	.0001	.0004	.0008	.0001	.0011	.0007	.0001	.0056	.17
%RSD	27.19	.4444	84.61	4.045	32.86	12.49	5.291	32.24	.4486
#1	.0003	.0804	.0015	.0025	.0040	.0057	.0020	.0133	36.81
#2	.0004	.0809	.0004	.0027	.0025	.0048	.0021	.0211	37.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0749**	**10.75**	**3.758**	**527.8**	**.0376**	**.0026**	**-.0024**	**3.418**	**.0023**
Stddev	.0001	.06	.001	1.9	.0003	.0003	.0008	.004	.0001
%RSD	.1358	.5807	.0168	.3539	.8395	10.95	35.29	.1109	6.380
#1	.0748	10.71	3.757	529.1	.0379	.0024	-.0030	3.415	.0022
#2	.0749	10.80	3.758	526.5	.0374	.0029	-.0018	3.420	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0621**	**.0006**	**-.0101**	**.0129**	**128.5**	**.0003**	**.0050**
Stddev	.0001	.0002	.0010	.0002	.0	.0000	.0007
%RSD	.1491	31.59	10.03	1.480	.0203	13.72	13.91
#1	.0620	.0007	-.0109	.0131	128.5	.0003	.0045
#2	.0622	.0004	-.0094	.0128	128.6	.0003	.0055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96716.**	**14689.**	**1965.4**	**5819.7**
Stddev	2.	25.	.9	4.2
%RSD	.00231	.16733	.04496	.07180
#1	96718.	14706.	1966.1	5816.7
#2	96715.	14671.	1964.8	5822.6

Zoom In Zoom Out

Sample Name: jb68735-18f Acquired: 6/10/2014 17:41:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0613**	**.0001**	**.0002**	**.0017**	**.0022**	**.0020**	**.3423**	**.0058**	**-.0001**
Stddev	.0003	.0000	.0000	.0003	.0001	.0000	.0025	.0004	.0002
%RSD	.5169	26.57	6.096	14.78	5.354	2.314	.7418	6.633	199.1
#1	.0615	.0000	.0002	.0016	.0021	.0019	.3441	.0061	.0000
#2	.0611	.0001	.0002	.0019	.0023	.0020	.3405	.0056	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0012**	**.0015**	**.0011**	**.0058**	**.0090**	**.0026**	**.0060**	**101.2**
Stddev	.0004	.0003	.0003	.0001	.0008	.0003	.0004	.0022	.4
%RSD	254.5	24.64	17.27	5.076	14.30	3.830	15.11	37.19	.3633
#1	.0001	-.0014	.0013	.0012	.0052	.0087	.0028	.0044	101.0
#2	-.0004	-.0010	.0016	.0011	.0064	.0092	.0023	.0075	101.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0257**	**42.55**	**4.746**	**447.6**	**.0477**	**.0044**	**-.0035**	**7.412**	**.0019**
Stddev	.0028	.24	.011	2.2	.0001	.0000	.0000	.017	.0004
%RSD	10.75	.5744	.2295	.4951	.2410	.3724	.5894	.2243	23.24
#1	.0237	42.38	4.738	446.0	.0478	.0043	-.0035	7.400	.0016
#2	.0276	42.72	4.754	449.2	.0476	.0044	-.0035	7.424	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1830**	**.0036**	**-.0126**	**.0182**	**190.2**	**.0005**	**.0146**
Stddev	.0004	.0001	.0002	.0000	.3	.0000	.0004
%RSD	.2338	3.157	1.867	.0291	.1667	1.580	2.791
#1	.1833	.0035	-.0124	.0182	190.0	.0005	.0149
#2	.1826	.0037	-.0127	.0182	190.4	.0006	.0143

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97706.**	**14493.**	**1960.9**	**5787.2**
Stddev	688.	96.	3.9	.0
%RSD	.70364	.66422	.19665	.00024
#1	97220.	14561.	1963.6	5787.2
#2	98192.	14425.	1958.1	5787.2

Zoom In Zoom Out

Sample Name: jb68735-19f Acquired: 6/10/2014 17:47:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water multi 2nd 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0755**	**.0000**	**.0002**	**.0013**	**.0013**	**.0016**	**.3995**	**.0048**	**-.0001**
Stddev	.0001	.0000	.0003	.0005	.0001	.0004	.0022	.0001	.0000
%RSD	.1326	440.7	188.6	40.68	5.047	22.39	.5589	1.477	37.41
#1	.0754	.0000	.0004	.0017	.0014	.0013	.3979	.0047	-.0001
#2	.0755	.0000	-.0001	.0010	.0013	.0018	.4010	.0048	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0081**	**.0014**	**.0019**	**.0036**	**.0088**	**.0018**	**.0052**	**72.35**
Stddev	.0000	.0001	.0002	.0012	.0015	.0023	.0001	.0001	.06
%RSD	14.10	1.224	14.47	65.98	41.91	26.44	6.036	1.246	.0889
#1	-.0001	.0080	.0015	.0028	.0026	.0072	.0017	.0051	72.31
#2	-.0002	.0082	.0012	.0010	.0047	.0104	.0018	.0052	72.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0465**	**34.26**	**5.927**	**433.5**	**.0333**	**.0058**	**-.0029**	**7.986**	**.0030**
Stddev	.0024	.09	.018	3.5	.0003	.0001	.0000	.015	.0001
%RSD	5.263	.2481	.3051	.8062	.9346	1.326	1.245	.1844	1.947
#1	.0448	34.20	5.940	431.0	.0331	.0057	-.0028	7.976	.0030
#2	.0482	34.32	5.915	435.9	.0335	.0058	-.0029	7.996	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1605**	**.0002**	**-.0130**	**.0107**	**119.7**	**-.0005**	**.0147**
Stddev	.0000	.0004	.0002	.0000	.5	.0005	.0000
%RSD	.0065	193.5	1.257	.3871	.4089	95.11	.0464
#1	.1605	.0005	-.0128	.0107	119.3	-.0002	.0147
#2	.1605	-.0001	-.0131	.0107	120.0	-.0009	.0147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97635.**	**14642.**	**1961.6**	**5804.0**
Stddev	315.	11.	3.4	3.7
%RSD	.32305	.07549	.17491	.06421
#1	97858.	14649.	1964.0	5806.6
#2	97412.	14634.	1959.2	5801.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:54:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.005**	**1.999**	**2.003**	**2.007**	**2.016**	**2.057**	**2.029**	**.2426**
Stddev	.003	.003	.002	.003	.003	.005	.002	.002	.0001
%RSD	.1373	.1572	.1095	.1669	.1361	.2654	.0788	.0962	.0316
#1	2.021	2.002	1.997	2.001	2.005	2.020	2.056	2.027	.2426
#2	2.025	2.007	2.001	2.006	2.009	2.012	2.059	2.030	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.030**	**1.974**	**2.055**	**2.034**	**2.003**	**1.994**	**39.74**	**39.35**
Stddev	.001	.001	.006	.016	.001	.002	.004	.02	.05
%RSD	.0329	.0699	.2965	.7811	.0250	.0743	.2199	.0612	.1373
#1	2.038	2.029	1.969	2.043	2.034	2.002	1.991	39.72	39.31
#2	2.037	2.031	1.978	2.066	2.035	2.004	1.997	39.76	39.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.99**	**38.55**	**40.31**	**40.19**	**2.009**	**2.023**	**1.991**	**4.959**	**2.029**
Stddev	.03	.11	.02	.03	.004	.004	.008	.001	.004
%RSD	.0697	.2878	.0494	.0687	.2186	.1879	.4011	.0112	.2149
#1	38.97	38.47	40.29	40.17	2.006	2.020	1.996	4.960	2.026
#2	39.01	38.63	40.32	40.21	2.012	2.026	1.985	4.959	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:54:10 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.020**	**1.853**	**2.001**	**1.944**	**1.999**	**2.004**
Stddev	.001	.000	.024	.000	.008	.001	.001
%RSD	.0588	.0221	1.271	.0056	.4057	.0548	.0334
#1	2.038	2.020	1.836	2.001	1.938	2.000	2.004
#2	2.040	2.019	1.870	2.001	1.950	1.998	2.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104850.**	**14807.**	**2103.7**	**6473.8**
Stddev	40.	34.	2.1	2.6
%RSD	.03848	.22953	.10110	.04067
#1	104820.	14832.	2105.2	6475.7
#2	104870.	14783.	2102.2	6472.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:00:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0007**	**.0005**	**.0006**	**.0008**	**.0005**	**.0008**	**.0007**	**.0002**
Stddev	.0004	.0001	.0001	.0001	.0002	.0002	.0000	.0003	.0004
%RSD	53.28	18.51	25.61	11.44	20.52	43.87	2.521	44.66	244.7
#1	.0005	.0006	.0006	.0007	.0010	.0004	.0008	.0009	-.0001
#2	.0010	.0007	.0004	.0006	.0007	.0007	.0009	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0010**	**.0020**	**.0012**	**.0002**	**.0014**	**.0004**	**.0084**	**.0126**
Stddev	.0002	.0001	.0008	.0002	.0007	.0009	.0006	.0068	.0008
%RSD	16.42	15.31	39.02	16.54	415.5	63.48	159.6	81.28	6.045
#1	.0010	.0011	.0025	.0010	-.0003	.0008	-.0001	.0132	.0120
#2	.0008	.0009	.0014	.0013	.0007	.0020	.0009	.0036	.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0150**	**.0234**	**.0560**	**.1281**	**.0005**	F **.0022**	**.0005**	**.0014**	**.0003**
Stddev	.0034	.0013	.0009	.0044	.0008	.0003	.0006	.0000	.0002
%RSD	22.40	5.610	1.577	3.442	174.6	15.06	129.0	2.315	58.62
#1	.0126	.0244	.0566	.1312	.0010	.0024	.0000	.0014	.0002
#2	.0174	.0225	.0554	.1249	-.0001	.0019	.0009	.0014	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:00:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0010**	**.0115**	F **.0012**	**.0037**	**.0007**	F **.0021**
Stddev	.0000	.0003	.0022	.0002	.0009	.0007	.0001
%RSD	6.731	28.11	19.33	14.17	23.77	109.8	5.505
#1	.0006	.0012	.0131	.0013	.0043	.0012	.0021
#2	.0007	.0008	.0099	.0011	.0031	.0002	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				.0010			.0020
Low Limit				-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112730.**	**15019.**	**2188.4**	**7214.7**
Stddev	2.	42.	3.3	7.1
%RSD	.00155	.27649	.15255	.09795
#1	112730.	14989.	2190.7	7219.7
#2	112730.	15048.	2186.0	7209.7

Zoom In Zoom Out

Sample Name: mp79933-mb1 2 Acquired: 6/10/2014 18:06:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**-.0001**	**.0001**	**.0004**	**-.0001**	**.0000**	**-.0003**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	15.15	67.79	42.54	104.9	50.00	97.11	61.54	41.34	29.03
#1	.0001	-.0001	-.0001	.0000	.0002	.0000	.0000	-.0002	-.0002
#2	.0001	.0000	-.0001	.0001	.0005	-.0002	.0000	-.0004	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0030**	**.0008**	**-.0014**	**-.0002**	**.0015**	**.0008**	**.0001**	**.0110**
Stddev	.0000	.0002	.0012	.0016	.0007	.0014	.0002	.0062	.0020
%RSD	2.743	5.404	147.0	119.2	302.2	94.54	31.26	4924.	17.85
#1	.0000	.0029	.0016	-.0025	-.0007	.0025	.0006	.0045	.0124
#2	.0000	.0031	.0000	-.0002	.0003	.0005	.0009	-.0042	.0096

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0044**	**.0177**	**.0276**	**.0760**	**.0000**	**.0007**	**-.0002**	**.0339**	**-.0002**
Stddev	.0020	.0162	.0273	.0020	.0002	.0000	.0003	.0000	.0002
%RSD	44.85	91.69	98.91	2.635	368.5	2.578	130.5	.0142	142.4
#1	.0057	.0292	.0083	.0774	.0002	.0007	-.0005	.0339	-.0003
#2	.0030	.0062	.0469	.0745	-.0001	.0008	.0000	.0339	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0100**	**.0016**	**.0065**	**-.0007**	**.0003**
Stddev	.000	.000	.0007	.0000	.0005	.0001	.0002
%RSD	951.6	256.3	7.073	2.721	7.044	12.78	74.12
#1	.0000	-.0001	.0105	.0016	.0062	-.0006	.0005
#2	.0000	.0000	.0095	.0016	.0068	-.0008	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112400.**	**15175.**	**2178.6**	**7171.3**
Stddev	94.	48.	4.2	5.4
%RSD	.08380	.31828	.19214	.07547
#1	112330.	15140.	2175.6	7175.1
#2	112470.	15209.	2181.5	7167.4

Zoom In Zoom Out

Sample Name: mp79933-mb2 Acquired: 6/10/2014 18:12:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0001**	**.0000**	**.0003**	**-.0006**	**.0000**	**-.0005**	**-.0002**
Stddev	.0002	.000	.0001	.0002	.0000	.0002	.0000	.0002	.0002
%RSD	93.11	164.1	104.8	1531.	12.56	40.24	150.4	33.64	82.35
#1	.0001	-.0001	.0000	.0001	.0003	-.0008	.0000	-.0006	-.0003
#2	.0003	.0000	.0002	-.0001	.0003	-.0004	.0000	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0016**	**.0000**	**-.0024**	**-.0002**	**.0019**	**.0010**	**-.0033**	**.0102**
Stddev	.0004	.0000	.000	.0002	.0005	.0011	.0003	.0009	.0021
%RSD	246.8	2.976	1626.	6.378	250.1	58.04	28.41	26.61	20.55
#1	-.0001	.0017	-.0002	-.0023	.0002	.0026	.0008	-.0040	.0087
#2	.0005	.0016	.0001	-.0025	-.0006	.0011	.0012	-.0027	.0116

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**.0123**	**.0217**	**.0613**	**.0003**	**.0010**	**-.0010**	**.0355**	**-.0001**
Stddev	.0017	.0040	.0351	.0032	.0000	.0003	.0009	.0002	.0004
%RSD	28.29	32.66	161.8	5.271	10.52	35.17	89.25	.6830	763.1
#1	.0070	.0095	-.0031	.0636	.0003	.0012	-.0016	.0357	.0003
#2	.0047	.0152	.0465	.0590	.0003	.0007	-.0004	.0354	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0168**	**.0017**	**.0069**	**-.0018**	**.0003**
Stddev	.000	.0000	.0002	.0001	.0000	.0002	.0002
%RSD	47.60	41.43	1.434	6.842	.5418	12.62	55.66
#1	.0000	.0001	.0170	.0017	.0069	-.0016	.0002
#2	.0000	.0001	.0167	.0018	.0069	-.0019	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111220.**	**14985.**	**2161.5**	**7147.1**
Stddev	99.	27.	.3	7.0
%RSD	.08883	.18339	.01261	.09814
#1	111150.	15005.	2161.7	7142.1
#2	111290.	14966.	2161.3	7152.1

Zoom In Zoom Out

Sample Name: mp79933-mb3 Acquired: 6/10/2014 18:19:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0000**	**.0001**	**.0003**	**-.0003**	**.0000**	**-.0005**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0000	.0001	.0000	.0001	.0000
%RSD	36.12	2.531	25.61	167.5	6.439	26.96	11.75	10.70	1.244
#1	.0004	-.0001	.0000	.0003	.0003	-.0004	.0000	-.0006	-.0002
#2	.0002	-.0001	.0001	.0000	.0003	-.0003	.0000	-.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0013**	**-.0004**	**-.0012**	**-.0008**	**.0028**	**.0014**	**.0105**	**.0082**
Stddev	.0002	.0001	.0009	.0003	.0000	.0001	.0008	.0003	.0002
%RSD	174.9	4.279	204.0	25.68	.9804	3.018	59.40	3.170	2.581
#1	.0002	.0013	.0002	-.0010	-.0007	.0027	.0019	.0103	.0083
#2	.0000	.0014	-.0011	-.0014	-.0008	.0029	.0008	.0107	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0052**	**.0003**	**.0222**	**.0579**	**.0006**	**.0004**	**-.0005**	**.0177**	**.0001**
Stddev	.0003	.0066	.0154	.0061	.0005	.0000	.0008	.0006	.0001
%RSD	5.751	2012.	69.47	10.52	76.24	9.539	163.4	3.125	61.66
#1	.0050	-.0044	.0113	.0622	.0003	.0004	-.0010	.0173	.0001
#2	.0054	.0050	.0331	.0536	.0009	.0004	.0001	.0181	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**.0077**	**.0012**	**.0068**	**-.0021**	**.0008**
Stddev	.000	.0001	.0004	.0001	.0023	.0001	.0006
%RSD	289.9	50.60	5.436	5.240	33.23	4.927	67.42
#1	.0000	.0001	.0080	.0013	.0085	-.0022	.0012
#2	.0000	.0003	.0074	.0012	.0052	-.0020	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111180.**	**14908.**	**2159.3**	**7116.5**
Stddev	305.	99.	5.3	10.2
%RSD	.27459	.66192	.24556	.14319
#1	110970.	14838.	2163.0	7123.7
#2	111400.	14978.	2155.5	7109.3

Zoom In Zoom Out

Sample Name: mp79933-lc1 Acquired: 6/10/2014 18:25:19 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5132**	**.4772**	**.4717**	**.4601**	**.4852**	**.4558**	**.4958**	**.4765**	**.1968**
Stddev	.0006	.0003	.0005	.0000	.0008	.0003	.0009	.0006	.0006
%RSD	.1155	.0731	.1026	.0022	.1659	.0650	.1901	.1324	.3123
#1	.5128	.4774	.4713	.4601	.4846	.4561	.4952	.4760	.1973
#2	.5136	.4769	.4720	.4601	.4858	.4556	.4965	.4769	.1964

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4649**	**.4921**	**.4708**	**.5093**	**.4764**	**.5058**	**.4607**	**4.929**	**5.558**
Stddev	.0012	.0001	.0014	.0027	.0011	.0028	.0001	.001	.022
%RSD	.2678	.0208	.2973	.5377	.2278	.5453	.0231	.0191	.3983
#1	.4640	.4920	.4717	.5113	.4756	.5038	.4607	4.928	5.573
#2	.4657	.4922	.4698	.5074	.4772	.5077	.4606	4.929	5.542

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.542**	**5.391**	**10.19**	**10.18**	**.0103**	**.4796**	**-.0008**	**.0361**	**.0004**
Stddev	.007	.009	.04	.01	.0006	.0003	.0001	.0005	.0010
%RSD	.1256	.1740	.4231	.1185	5.683	.0701	11.68	1.483	294.3
#1	5.547	5.398	10.16	10.17	.0108	.4794	-.0009	.0365	-.0004
#2	5.537	5.384	10.22	10.18	.0099	.4799	-.0008	.0357	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4889**	**.0001**	**.0045**	**.0180**	**-.0009**	**.0015**
Stddev	.0000	.0006	.0006	.0001	.0009	.0007	.0004
%RSD	11.09	.1308	504.0	1.335	4.952	71.78	28.21
#1	-.0001	.4885	.0005	.0046	.0186	-.0014	.0018
#2	-.0001	.4894	-.0003	.0045	.0174	-.0004	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110390.**	**15061.**	**2154.1**	**6930.5**
Stddev	193.	59.	.7	4.7
%RSD	.17460	.39152	.03337	.06726
#1	110530.	15019.	2153.6	6927.2
#2	110250.	15102.	2154.6	6933.8

Zoom In Zoom Out

Sample Name: mp79933-lc2 Acquired: 6/10/2014 18:31:24 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4919**	**.4591**	**.4470**	**.4376**	**.4677**	**.4379**	**.4779**	**.4517**	**.1852**
Stddev	.0002	.0005	.0014	.0007	.0014	.0010	.0009	.0001	.0005
%RSD	.0318	.1007	.3231	.1547	.2904	.2244	.1890	.0285	.2631
#1	.4920	.4595	.4460	.4371	.4687	.4386	.4785	.4518	.1855
#2	.4918	.4588	.4481	.4381	.4667	.4372	.4772	.4516	.1848

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4518**	**.4679**	**.4459**	**.4744**	**.4486**	**.4773**	**.4394**	**4.759**	**5.320**
Stddev	.0005	.0008	.0002	.0013	.0011	.0001	.0002	.011	.008
%RSD	.1091	.1719	.0466	.2668	.2465	.0149	.0503	.2254	.1491
#1	.4521	.4673	.4460	.4753	.4478	.4773	.4392	4.751	5.325
#2	.4514	.4685	.4457	.4735	.4493	.4774	.4395	4.767	5.314

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.291**	**5.144**	**9.773**	**9.762**	**.0062**	**.4644**	**-.0010**	**.0013**	**.0008**
Stddev	.013	.018	.003	.002	.0000	.0004	.0003	.0004	.0005
%RSD	.2361	.3584	.0270	.0177	.4401	.0865	30.24	30.79	56.57
#1	5.300	5.158	9.775	9.761	.0062	.4641	-.0008	.0010	.0005
#2	5.283	5.131	9.771	9.763	.0063	.4647	-.0012	.0015	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4706**	**.0088**	**.0034**	**.0073**	**-.0027**	**.0011**
Stddev	.0000	.0009	.0000	.0000	.0005	.0000	.0001
%RSD	8.503	.1976	.4094	.0607	6.549	.4162	7.901
#1	-.0002	.4713	.0087	.0034	.0076	-.0028	.0010
#2	-.0002	.4700	.0088	.0034	.0069	-.0027	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108940.**	**14798.**	**2130.7**	**6892.9**
Stddev	482.	35.	2.6	13.6
%RSD	.44233	.23426	.12418	.19729
#1	108600.	14773.	2128.9	6883.3
#2	109280.	14822.	2132.6	6902.5

Zoom In Zoom Out

Sample Name: mp79933-lc3 Acquired: 6/10/2014 18:37:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4896**	**.4578**	**.4461**	**.4374**	**.4668**	**.4322**	**.4748**	**.4513**	**.1846**
Stddev	.0011	.0004	.0009	.0009	.0001	.0008	.0000	.0003	.0006
%RSD	.2172	.0966	.1999	.1995	.0279	.1954	.0020	.0719	.3066
#1	.4904	.4575	.4454	.4368	.4667	.4328	.4748	.4515	.1850
#2	.4889	.4581	.4467	.4380	.4669	.4316	.4748	.4511	.1842

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4468**	**.4657**	**.4467**	**.4718**	**.4466**	**.4778**	**.4366**	**4.725**	**5.299**
Stddev	.0000	.0009	.0017	.0050	.0009	.0009	.0005	.001	.009
%RSD	.0079	.1855	.3843	1.057	.1907	.1857	.1204	.0104	.1703
#1	.4468	.4651	.4479	.4683	.4472	.4784	.4369	4.725	5.292
#2	.4468	.4663	.4454	.4754	.4460	.4772	.4362	4.725	5.305

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.309**	**5.156**	**9.709**	**9.689**	**.0061**	**.4638**	**-.0001**	**.0473**	**.0008**
Stddev	.005	.039	.030	.009	.0003	.0010	.0003	.0002	.0003
%RSD	.1003	.7606	.3060	.0956	4.096	.2239	195.6	.4953	38.43
#1	5.305	5.128	9.730	9.683	.0063	.4631	-.0003	.0475	.0010
#2	5.313	5.183	9.688	9.696	.0059	.4645	.0001	.0471	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4688**	**.0075**	**.0025**	**.0140**	**-.0023**	**.0006**
Stddev	.0001	.0000	.0008	.0001	.0005	.0006	.0011
%RSD	33.15	.0071	10.54	5.168	3.750	27.78	175.0
#1	-.0003	.4688	.0081	.0026	.0144	-.0019	-.0002
#2	-.0002	.4688	.0070	.0024	.0136	-.0028	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109630.**	**14816.**	**2133.6**	**6907.9**
Stddev	118.	25.	1.9	5.2
%RSD	.10760	.17011	.09006	.07499
#1	109540.	14834.	2132.3	6904.2
#2	109710.	14799.	2135.0	6911.6

Zoom In Zoom Out

Sample Name: jb68735-1 Acquired: 6/10/2014 18:43:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0906**	**.0009**	**.0166**	**.0135**	**.0020**	**.0057**	**.4211**	**.0150**	**-.0001**
Stddev	.0001	.0000	.0002	.0004	.0002	.0001	.0006	.0001	.0003
%RSD	.1483	1.367	.9676	3.200	7.988	2.454	.1359	.9316	231.2
#1	.0907	.0009	.0165	.0132	.0019	.0058	.4207	.0151	-.0004
#2	.0905	.0009	.0167	.0138	.0021	.0056	.4215	.0149	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.1934**	**-.0002**	**-.0008**	**.0029**	**.0057**	**.0008**	**.2836**	**5.001**
Stddev	.0000	.0008	.0001	.0013	.0007	.0008	.0007	.0137	.001
%RSD	.0218	.4243	61.28	155.9	24.06	13.36	79.83	4.837	.0095
#1	.0010	.1928	-.0002	.0001	.0024	.0052	.0004	.2933	5.002
#2	.0010	.1940	-.0001	-.0017	.0034	.0063	.0013	.2739	5.001

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.735**	**3.657**	**1.873**	**10.87**	**.0067**	**.0000**	**-.0008**	**8.460**	**.0004**
Stddev	.003	.053	.043	.02	.0000	.000	.0000	.039	.0005
%RSD	.1811	1.463	2.283	.1913	.7087	464.1	2.971	.4573	120.0
#1	1.738	3.619	1.903	10.88	.0067	.0001	-.0008	8.433	.0008
#2	1.733	3.695	1.842	10.86	.0067	-.0002	-.0008	8.488	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0367**	**.0072**	**-.0087**	**.0000**	**5.614**	**-.0006**	**.0332**
Stddev	.0001	.0006	.0002	.000	.009	.0004	.0011
%RSD	.3163	8.953	1.978	121.1	.1658	58.14	3.377
#1	.0366	.0077	-.0088	.0000	5.608	-.0009	.0339
#2	.0368	.0068	-.0086	-.0001	5.621	-.0004	.0324

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111630.**	**15030.**	**2163.4**	**7033.3**
Stddev	36.	37.	11.9	26.7
%RSD	.03235	.24481	.54901	.37940
#1	111660.	15056.	2171.8	7052.1
#2	111610.	15004.	2155.0	7014.4

Zoom In Zoom Out

Sample Name: jb68735-2 Acquired: 6/10/2014 18:49:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1765**	**.0000**	**.0003**	**.0027**	**.0024**	**.0033**	**1.136**	**.0005**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0002	.0000	.001	.0001	.0000
%RSD	.0468	80.29	3.290	4.466	7.386	.1824	.1261	27.56	5.728
#1	.1764	.0000	.0002	.0027	.0023	.0033	1.135	.0004	-.0003
#2	.1765	.0000	.0003	.0026	.0025	.0033	1.137	.0006	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0219**	**.0049**	**.0004**	**.0008**	**.0080**	**-.0001**	**.0441**	**45.09**
Stddev	.0001	.0001	.0001	.0017	.0007	.0000	.0003	.0046	.21
%RSD	39.50	.5698	1.953	458.1	87.51	.3202	397.2	10.35	.4685
#1	.0002	.0218	.0050	-.0008	.0012	.0080	-.0003	.0409	45.24
#2	.0004	.0220	.0049	.0016	.0003	.0080	.0002	.0474	44.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.18**	**4.368**	**4.859**	**128.3**	**.0166**	**.0005**	**-.0021**	**4.932**	**.0016**
Stddev	.01	.047	.006	2.0	.0004	.0001	.0004	.008	.0005
%RSD	.1328	1.074	.1267	1.548	2.229	24.66	19.14	.1671	33.38
#1	11.19	4.401	4.854	126.9	.0163	.0006	-.0018	4.926	.0012
#2	11.17	4.335	4.863	129.7	.0168	.0004	-.0024	4.937	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1610**	**.0014**	**-.0099**	**-.0005**	**3.564**	**-.0002**	**.0070**
Stddev	.0001	.0001	.0009	.0000	.001	.0008	.0006
%RSD	.0558	3.834	8.828	3.415	.0167	390.2	8.648
#1	.1611	.0014	-.0105	-.0005	3.563	-.0007	.0066
#2	.1609	.0014	-.0093	-.0005	3.564	.0003	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104460.**	**14819.**	**2063.3**	**6372.3**
Stddev	41.	65.	2.6	16.2
%RSD	.03896	.43656	.12740	.25351
#1	104490.	14774.	2065.1	6383.7
#2	104430.	14865.	2061.4	6360.9

Zoom In Zoom Out

Sample Name: jb68735-3 Acquired: 6/10/2014 18:56:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1290**	**.0001**	**.0002**	**-.0006**	**.0009**	**.0020**	**.0417**	**-.0002**	**-.0003**
Stddev	.0001	.0000	.0002	.0001	.0001	.0001	.0000	.0003	.0004
%RSD	.1125	42.27	80.72	11.73	17.06	5.704	.0409	126.7	154.7
#1	.1289	.0000	.0001	-.0006	.0008	.0021	.0416	.0000	.0000
#2	.1291	.0001	.0003	-.0005	.0010	.0019	.0417	-.0004	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0021**	**.0003**	**-.0014**	**.0002**	**.0064**	**.0001**	**.0091**	**25.90**
Stddev	.0005	.0000	.0003	.0003	.0001	.0001	.0002	.0045	.00
%RSD	347.5	2.292	85.12	18.61	55.15	1.405	280.5	49.52	.0021
#1	.0005	.0022	.0001	-.0012	.0002	.0063	.0002	.0059	25.90
#2	-.0002	.0021	.0006	-.0016	.0001	.0064	-.0001	.0123	25.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1779**	**2.411**	**6.036**	**133.0**	**.0182**	**.0006**	**-.0019**	**4.163**	**.0018**
Stddev	.0011	.012	.015	1.4	.0002	.0001	.0005	.011	.0004
%RSD	.6412	.5152	.2469	1.071	1.207	12.12	23.51	.2718	22.80
#1	.1771	2.402	6.047	132.0	.0183	.0006	-.0023	4.155	.0021
#2	.1787	2.420	6.026	134.0	.0180	.0007	-.0016	4.171	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1062**	**.0005**	**-.0106**	**.0004**	**6.360**	**-.0005**	**.0070**
Stddev	.0001	.0001	.0006	.0001	.024	.0000	.0005
%RSD	.1293	13.03	5.964	15.27	.3837	2.158	7.013
#1	.1063	.0004	-.0102	.0005	6.343	-.0005	.0074
#2	.1061	.0005	-.0111	.0004	6.378	-.0005	.0067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105080.**	**14904.**	**2083.3**	**6443.0**
Stddev	132.	4.	4.1	2.8
%RSD	.12603	.02731	.19891	.04421
#1	105170.	14901.	2086.2	6441.0
#2	104980.	14906.	2080.4	6445.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:02:26 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.031**	**2.015**	**2.018**	**2.040**	**2.009**	**2.074**	**2.042**	**.2447**
Stddev	.026	.025	.005	.003	.000	.003	.001	.004	.0002
%RSD	1.249	1.240	.2668	.1272	.0025	.1249	.0402	.2175	.0829
#1	2.071	2.049	2.019	2.020	2.040	2.007	2.074	2.045	.2448
#2	2.035	2.014	2.011	2.016	2.040	2.010	2.075	2.039	.2445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.048**	**1.991**	**2.075**	**2.048**	**2.016**	**1.999**	**40.00**	**40.55**
Stddev	.001	.007	.005	.005	.005	.011	.006	.43	.51
%RSD	.0434	.3509	.2456	.2378	.2383	.5295	.2861	1.066	1.252
#1	2.040	2.053	1.994	2.079	2.051	2.023	2.003	40.30	40.91
#2	2.039	2.043	1.987	2.072	2.044	2.008	1.995	39.70	40.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.62**	**39.64**	**40.86**	**40.87**	**2.023**	**2.036**	**1.995**	**4.982**	**2.052**
Stddev	.52	.48	.44	.44	.003	.007	.001	.017	.008
%RSD	1.317	1.206	1.072	1.083	.1355	.3455	.0594	.3496	.3772
#1	39.99	39.98	41.17	41.18	2.025	2.041	1.995	4.995	2.057
#2	39.25	39.31	40.55	40.56	2.022	2.031	1.996	4.970	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:02:26 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.033**	**1.846**	**2.019**	**1.953**	**2.009**	**2.039**
Stddev	.028	.001	.016	.003	.006	.005	.024
%RSD	1.348	.0363	.8884	.1531	.2975	.2510	1.178
#1	2.100	2.032	1.834	2.017	1.957	2.012	2.056
#2	2.060	2.033	1.858	2.021	1.949	2.005	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104710.**	**14475.**	**2097.0**	**6464.3**
Stddev	61.	96.	3.9	9.2
%RSD	.05793	.66655	.18647	.14227
#1	104760.	14406.	2094.3	6457.8
#2	104670.	14543.	2099.8	6470.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:08:27 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	F **.0007**	**.0008**	**.0007**	**.0005**	**.0007**	**.0007**	**-.0001**
Stddev	.0000	.0001	.0004	.0003	.0005	.0002	.0001	.0003	.0001
%RSD	5.357	36.33	58.45	42.68	72.33	33.22	14.81	46.17	76.78
#1	.0006	.0003	.0010	.0011	.0003	.0004	.0007	.0009	-.0002
#2	.0006	.0004	.0004	.0006	.0011	.0006	.0008	.0005	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0010**	**.0009**	**.0011**	**.0007**	**.0029**	**.0013**	**.0057**	**.0084**
Stddev	.0003	.0002	.0001	.0001	.0012	.0012	.0001	.0002	.0031
%RSD	36.26	23.92	11.46	7.048	174.9	39.64	8.244	3.576	37.43
#1	.0005	.0012	.0010	.0011	.0016	.0037	.0014	.0058	.0061
#2	.0009	.0008	.0008	.0010	-.0002	.0021	.0013	.0055	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0106**	**.0232**	**.0546**	**.0348**	**.0011**	F **.0023**	**.0000**	**.0028**	**.0000**
Stddev	.0001	.0005	.0124	.0036	.0005	.0007	.000	.0008	.0002
%RSD	.9699	2.248	22.63	10.25	44.67	29.22	427.6	26.90	1581.
#1	.0105	.0228	.0459	.0322	.0015	.0028	.0000	.0033	.0001
#2	.0107	.0236	.0634	.0373	.0008	.0018	-.0001	.0023	-.0001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:08:27 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0007**	**.0095**	F **.0012**	**.0010**	**.0014**	**.0012**
Stddev	.0001	.0002	.0028	.0001	.0002	.0008	.0010
%RSD	28.42	34.08	29.75	4.166	17.68	56.30	89.51
#1	.0003	.0005	.0115	.0012	.0011	.0008	.0004
#2	.0005	.0009	.0075	.0012	.0009	.0019	.0019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111650.**	**14732.**	**2190.8**	**7194.4**
Stddev	119.	17.	10.9	35.9
%RSD	.10701	.11576	.49560	.49848
#1	111730.	14744.	2183.1	7169.0
#2	111560.	14720.	2198.4	7219.7

Zoom In Zoom Out

Sample Name: jb68735-4 Acquired: 6/10/2014 19:14:45 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1375**	**.0001**	**.0007**	**.0032**	**.0015**	**.0028**	**.8676**	**.0019**	**.0004**
Stddev	.0003	.0000	.0001	.0000	.0001	.0002	.0010	.0001	.0000
%RSD	.2082	16.63	12.05	1.161	7.219	7.203	.1118	4.174	4.241
#1	.1373	.0000	.0008	.0032	.0015	.0030	.8683	.0019	.0004
#2	.1377	.0001	.0007	.0031	.0014	.0027	.8669	.0018	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0035**	**.0005**	**-.0004**	**.0012**	**.0063**	**-.0003**	**.0123**	**53.23**
Stddev	.0001	.0001	.0007	.0025	.0003	.0012	.0016	.0011	.01
%RSD	35.31	3.130	127.1	562.5	24.42	19.15	502.9	9.354	.0224
#1	.0001	.0035	.0010	-.0022	.0014	.0054	-.0015	.0115	53.22
#2	.0002	.0034	.0001	.0013	.0010	.0071	.0008	.0131	53.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.054**	**9.593**	**5.424**	**125.7**	**.0256**	**.0012**	**-.0016**	**5.419**	**.0022**
Stddev	.001	.012	.020	.7	.0004	.0000	.0006	.013	.0013
%RSD	.1012	.1247	.3734	.5507	1.753	3.248	40.38	.2347	58.83
#1	1.054	9.584	5.410	125.2	.0253	.0012	-.0011	5.410	.0013
#2	1.055	9.601	5.439	126.2	.0260	.0012	-.0020	5.428	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2301**	**.0009**	**.0081**	**.0024**	**13.59**	**-.0002**	**.0108**
Stddev	.0002	.0000	.0016	.0000	.05	.0016	.0002
%RSD	.1054	.8775	20.15	1.200	.3351	654.5	1.655
#1	.2299	.0009	.0092	.0024	13.56	-.0014	.0107
#2	.2303	.0009	.0069	.0024	13.63	.0009	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104540.**	**14778.**	**2058.9**	**6370.0**
Stddev	4.	21.	3.3	5.4
%RSD	.00390	.14503	.16127	.08487
#1	104550.	14794.	2061.3	6373.8
#2	104540.	14763.	2056.6	6366.2

Zoom In Zoom Out

Sample Name: jb68735-5 Acquired: 6/10/2014 19:21:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0384**	**.0001**	**.0003**	**-.0004**	**.0011**	**.0079**	**.0511**	**.0015**	**-.0002**
Stddev	.0001	.0000	.0001	.0002	.0002	.0002	.0001	.0001	.0002
%RSD	.3510	27.72	35.33	61.51	20.70	3.027	.1221	5.118	94.06
#1	.0383	.0000	.0002	-.0002	.0010	.0077	.0510	.0016	-.0003
#2	.0385	.0001	.0003	-.0005	.0013	.0081	.0511	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0446**	**.0022**	**-.0013**	**.0019**	**.0056**	**.0004**	**.1284**	**21.81**
Stddev	.0000	.0001	.0004	.0008	.0002	.0012	.0004	.0026	.02
%RSD	1.085	.1343	16.50	62.59	11.13	21.72	112.7	1.998	.1072
#1	.0010	.0446	.0020	-.0007	.0017	.0047	.0007	.1265	21.83
#2	.0010	.0447	.0025	-.0019	.0020	.0065	.0001	.1302	21.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7867**	**2.117**	**4.671**	**65.78**	**.0241**	**.0024**	**-.0016**	**3.958**	**.0021**
Stddev	.0028	.024	.007	.04	.0001	.0002	.0007	.001	.0006
%RSD	.3590	1.126	.1490	.0626	.2339	9.825	47.49	.0335	27.75
#1	.7847	2.100	4.676	65.76	.0241	.0023	-.0021	3.957	.0025
#2	.7887	2.134	4.666	65.81	.0242	.0026	-.0010	3.959	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0939**	**.0029**	**-.0019**	**.0011**	**3.610**	**-.0009**	**.0040**
Stddev	.0001	.0002	.0007	.0002	.014	.0008	.0008
%RSD	.0634	7.753	34.71	14.78	.3951	93.24	20.45
#1	.0939	.0027	-.0015	.0012	3.600	-.0014	.0034
#2	.0940	.0030	-.0024	.0010	3.620	-.0003	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107060.**	**14932.**	**2110.0**	**6645.4**
Stddev	43.	13.	3.5	4.5
%RSD	.03977	.08543	.16567	.06773
#1	107090.	14923.	2112.4	6648.6
#2	107030.	14941.	2107.5	6642.2

Zoom In Zoom Out

Sample Name: jb68735-7 Acquired: 6/10/2014 19:27:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3101**	**.0001**	**.0003**	**.0016**	**.0014**	**.0015**	**.4366**	**.0010**	**.0000**
Stddev	.0002	.0000	.0000	.0005	.0001	.0002	.0000	.0001	.000
%RSD	.0620	10.21	10.02	34.34	9.156	12.70	.0067	13.98	118.3
#1	.3100	.0001	.0003	.0019	.0013	.0017	.4366	.0009	.0000
#2	.3103	.0001	.0003	.0012	.0015	.0014	.4366	.0011	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0012**	**.0016**	**-.0004**	**.0020**	**.0110**	**.0000**	**.0089**	**90.76**
Stddev	.0001	.0002	.0007	.0008	.0014	.0001	.0012	.0028	.06
%RSD	86.60	14.90	43.69	207.5	70.81	1.351	4003.	31.49	.0685
#1	.0000	.0011	.0022	.0002	.0031	.0111	-.0008	.0109	90.80
#2	-.0001	.0013	.0011	-.0009	.0010	.0109	.0009	.0069	90.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.663**	**14.69**	**7.084**	**165.5**	**.0249**	**.0008**	**-.0030**	**6.052**	**.0018**
Stddev	.002	.02	.026	.9	.0006	.0003	.0005	.004	.0007
%RSD	.0634	.1083	.3726	.5514	2.447	34.43	15.19	.0680	38.62
#1	3.665	14.68	7.065	164.8	.0254	.0010	-.0027	6.049	.0013
#2	3.662	14.70	7.102	166.1	.0245	.0006	-.0033	6.055	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3727**	**.0005**	**-.0038**	**.0015**	**20.14**	**.0000**	**.0040**
Stddev	.0004	.0000	.0012	.0001	.10	.0008	.0006
%RSD	.1002	.9150	32.17	7.189	.5092	1517.	15.72
#1	.3724	.0005	-.0030	.0016	20.06	.0006	.0035
#2	.3729	.0005	-.0047	.0014	20.21	-.0005	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102270.**	**14712.**	**2029.1**	**6210.8**
Stddev	131.	36.	1.5	1.5
%RSD	.12814	.24583	.07471	.02383
#1	102360.	14738.	2028.0	6209.7
#2	102170.	14687.	2030.2	6211.8

Zoom In Zoom Out

Sample Name: jb68735-8 Acquired: 6/10/2014 19:33:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.234**	**.0001**	**.0000**	**.0101**	**.0013**	**.0006**	**1.392**	**.0188**	**.0000**
Stddev	.001	.0000	.0000	.0001	.0001	.0000	.000	.0002	.000
%RSD	.0598	75.64	51.47	1.021	9.281	1.238	.0253	.8431	507.5
#1	1.235	.0001	.0000	.0102	.0012	.0006	1.392	.0189	-.0001
#2	1.234	.0000	.0000	.0100	.0013	.0006	1.392	.0187	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0058**	**.0004**	**.0003**	**.0006**	**.0071**	**-.0004**	**.0152**	**18.09**
Stddev	.0005	.0002	.0005	.0007	.0004	.0015	.0009	.0020	.02
%RSD	641.4	3.472	129.7	223.0	73.94	20.56	235.3	13.10	.1329
#1	-.0004	.0056	.0007	-.0002	.0009	.0082	.0003	.0138	18.07
#2	.0003	.0059	.0000	.0008	.0003	.0061	-.0010	.0166	18.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.29**	**11.29**	**5.342**	**20.48**	**.0067**	**-.0006**	**-.0009**	**8.343**	**.0008**
Stddev	.04	.03	.011	.03	.0007	.0000	.0008	.003	.0001
%RSD	.3639	.2245	.2081	.1372	10.77	2.135	89.47	.0413	15.19
#1	12.26	11.31	5.350	20.46	.0062	-.0006	-.0003	8.340	.0009
#2	12.32	11.27	5.334	20.50	.0072	-.0006	-.0015	8.345	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1754**	**.0005**	**-.0078**	**-.0009**	**.1204**	**-.0004**	**.0256**
Stddev	.0002	.0000	.0009	.0000	.0012	.0001	.0006
%RSD	.1327	4.441	11.87	1.077	.9678	22.29	2.455
#1	.1752	.0005	-.0072	-.0009	.1196	-.0005	.0251
#2	.1756	.0005	-.0085	-.0009	.1212	-.0004	.0260

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108680.**	**14908.**	**2144.8**	**6851.4**
Stddev	2.	45.	.7	3.2
%RSD	.00156	.29881	.03407	.04598
#1	108680.	14940.	2145.3	6853.7
#2	108680.	14877.	2144.3	6849.2

Zoom In Zoom Out

Sample Name: jb68735-9 Acquired: 6/10/2014 19:39:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.108**	**.0001**	**.0010**	**.0361**	**.0030**	**.0020**	**4.526**	**.0258**	**.0000**
Stddev	.002	.0000	.0003	.0001	.0002	.0002	.026	.0000	.001
%RSD	.1561	18.34	25.73	.3822	7.325	9.555	.5778	.0520	1930.
#1	1.107	.0001	.0012	.0362	.0032	.0022	4.507	.0258	.0003
#2	1.109	.0001	.0008	.0360	.0029	.0019	4.544	.0258	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0196**	**.0024**	**-.0007**	**.0021**	**.0091**	**.0005**	**.5227**	**25.52**
Stddev	.0002	.0002	.0002	.0011	.0005	.0009	.0013	.0039	.08
%RSD	9.074	1.152	7.549	164.0	22.62	10.01	284.9	.7374	.3292
#1	.0020	.0197	.0026	-.0015	.0017	.0097	-.0005	.5199	25.46
#2	.0017	.0194	.0023	.0001	.0024	.0084	.0014	.5254	25.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.420**	**20.85**	**5.063**	**107.7**	**.0228**	**.0006**	**-.0015**	**3.667**	**.0000**
Stddev	.002	.06	.032	.1	.0001	.0003	.0002	.011	.0004
%RSD	.0452	.2876	.6222	.1222	.4395	44.57	10.47	.2955	6433.
#1	3.421	20.81	5.041	107.6	.0227	.0004	-.0014	3.675	-.0003
#2	3.419	20.89	5.085	107.8	.0229	.0008	-.0016	3.660	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2235**	**.0181**	**-.0090**	**.0001**	**1.890**	**.0003**	**.0021**
Stddev	.0004	.0004	.0000	.0001	.015	.0000	.0003
%RSD	.1733	2.307	.5374	187.7	.7993	7.889	15.31
#1	.2238	.0178	-.0091	.0002	1.901	.0003	.0018
#2	.2232	.0184	-.0090	.0000	1.879	.0003	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103440.**	**14562.**	**2056.3**	**6401.6**
Stddev	96.	67.	6.0	14.7
%RSD	.09298	.46286	.29351	.22900
#1	103510.	14610.	2052.0	6391.2
#2	103370.	14514.	2060.6	6411.9

Zoom In Zoom Out

Sample Name: jb68735-10 Acquired: 6/10/2014 19:46:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.398**	**.0011**	**.0002**	**.0247**	**.0014**	**.0005**	**2.305**	**.0289**	**-.0002**
Stddev	.001	.0000	.0003	.0001	.0002	.0000	.008	.0003	.0002
%RSD	.0429	3.195	137.3	.2139	11.04	8.046	.3359	1.028	126.8
#1	1.398	.0012	.0005	.0248	.0015	.0005	2.310	.0291	-.0003
#2	1.397	.0011	.0000	.0247	.0013	.0006	2.299	.0287	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0152**	**.0010**	**-.0019**	**.0000**	**.0072**	**.0003**	**.0631**	**21.21**
Stddev	.0001	.0000	.0002	.0004	.000	.0006	.0002	.0004	.03
%RSD	10.69	.3070	19.64	20.11	631.8	8.707	65.86	.6881	.1344
#1	.0007	.0152	.0009	-.0017	.0001	.0067	.0005	.0628	21.23
#2	.0006	.0153	.0011	-.0022	-.0002	.0076	.0002	.0634	21.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.669**	**15.26**	**4.254**	**81.93**	**.0191**	**-.0004**	**-.0019**	**8.404**	**.0011**
Stddev	.005	.08	.033	.00	.0014	.0000	.0007	.001	.0010
%RSD	.0712	.5063	.7670	.0035	7.158	11.28	33.80	.0105	84.84
#1	7.673	15.31	4.277	81.93	.0182	-.0005	-.0024	8.404	.0005
#2	7.665	15.20	4.231	81.92	.0201	-.0004	-.0015	8.403	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2065**	**.0015**	**-.0073**	**-.0006**	**2.240**	**-.0005**	**.0260**
Stddev	.0006	.0002	.0002	.0003	.005	.0004	.0001
%RSD	.2965	10.59	2.856	48.65	.2277	73.22	.4175
#1	.2069	.0016	-.0074	-.0004	2.237	-.0003	.0259
#2	.2061	.0014	-.0071	-.0008	2.244	-.0008	.0261

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105230.**	**14712.**	**2087.4**	**6544.5**
Stddev	272.	29.	1.2	.6
%RSD	.25879	.19980	.05921	.00991
#1	105040.	14691.	2086.5	6544.0
#2	105430.	14733.	2088.2	6545.0

Zoom In Zoom Out

Sample Name: jb68735-11 Acquired: 6/10/2014 19:52:16 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9381**	**.0007**	**.0008**	**.0427**	**.0022**	**.0027**	**1.298**	**.0373**	**.0000**
Stddev	.0008	.0001	.0001	.0003	.0003	.0002	.004	.0000	.000
%RSD	.0807	10.76	13.43	.6903	12.85	6.023	.3105	.0340	76.73
#1	.9386	.0007	.0008	.0425	.0020	.0025	1.301	.0373	.0000
#2	.9375	.0006	.0007	.0429	.0024	.0028	1.295	.0373	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0349**	**.0020**	**.0005**	**.0019**	**.0085**	**.0001**	**.3885**	**25.68**
Stddev	.0000	.0000	.0003	.0016	.0007	.0011	.0006	.0023	.07
%RSD	3.107	.0301	12.64	304.4	36.79	12.76	409.8	.5986	.2778
#1	.0015	.0349	.0022	-.0006	.0024	.0078	-.0003	.3902	25.63
#2	.0016	.0349	.0018	.0016	.0014	.0093	.0005	.3869	25.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.587**	**15.49**	**6.333**	**158.9**	**.0203**	**.0004**	**-.0019**	**6.517**	**.0012**
Stddev	.035	.08	.001	1.7	.0002	.0000	.0007	.007	.0001
%RSD	.4127	.5077	.0120	1.048	.9873	3.801	37.68	.1114	9.834
#1	8.562	15.43	6.334	157.7	.0204	.0004	-.0024	6.522	.0013
#2	8.612	15.54	6.333	160.1	.0202	.0004	-.0014	6.512	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1997**	**.0122**	**-.0106**	**-.0003**	**2.715**	**-.0006**	**.0137**
Stddev	.0005	.0001	.0001	.0000	.004	.0001	.0007
%RSD	.2412	.5328	.9607	14.10	.1321	8.964	5.453
#1	.1993	.0121	-.0107	-.0002	2.713	-.0005	.0132
#2	.2000	.0122	-.0106	-.0003	2.718	-.0006	.0142

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104300.**	**14846.**	**2064.3**	**6353.0**
Stddev	178.	17.	1.2	6.2
%RSD	.17074	.11180	.05942	.09803
#1	104180.	14857.	2065.1	6357.4
#2	104430.	14834.	2063.4	6348.6

Zoom In Zoom Out

Sample Name: jb68735-12 Acquired: 6/10/2014 19:58:33 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1330**	**.0004**	**.0035**	**.0169**	**.0026**	**.0086**	**1.175**	**.0305**	**.0001**
Stddev	.0007	.0000	.0001	.0000	.0003	.0000	.000	.0000	.0004
%RSD	.5128	8.866	2.482	.2141	10.77	.1791	.0146	.0454	317.2
#1	.1334	.0005	.0035	.0168	.0024	.0086	1.175	.0305	-.0001
#2	.1325	.0004	.0034	.0169	.0028	.0086	1.175	.0305	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0750**	**-.0001**	**-.0006**	**.0041**	**.0082**	**.0008**	**.2896**	**9.396**
Stddev	.0001	.0001	.0002	.0007	.0012	.0007	.0003	.0003	.029
%RSD	2.579	.1287	175.8	119.8	28.41	8.915	33.34	.0864	.3093
#1	.0030	.0750	-.0003	-.0011	.0032	.0077	.0006	.2894	9.376
#2	.0029	.0751	.0000	-.0001	.0049	.0087	.0010	.2898	9.417

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.369**	**5.587**	**2.432**	**32.14**	**.0050**	**.0001**	**-.0001**	**7.582**	**.0004**
Stddev	.004	.006	.009	.04	.0001	.0000	.0008	.002	.0002
%RSD	.3263	.1160	.3646	.1276	1.362	22.34	922.6	.0303	57.92
#1	1.372	5.583	2.426	32.17	.0050	.0001	-.0007	7.581	.0002
#2	1.366	5.592	2.438	32.11	.0049	.0002	.0005	7.584	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0617**	**.0088**	**-.0113**	**-.0004**	**5.116**	**.0000**	**.0194**
Stddev	.0002	.0001	.0006	.0000	.019	.000	.0014
%RSD	.3957	1.285	5.736	10.02	.3661	1111.	7.235
#1	.0615	.0089	-.0118	-.0004	5.129	-.0002	.0184
#2	.0618	.0088	-.0108	-.0004	5.103	.0002	.0204

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108370.**	**14862.**	**2128.4**	**6812.0**
Stddev	91.	10.	3.1	7.7
%RSD	.08360	.07047	.14733	.11262
#1	108440.	14855.	2130.7	6817.4
#2	108310.	14870.	2126.2	6806.6

Zoom In Zoom Out

Sample Name: jb68735-13 Acquired: 6/10/2014 20:04:45 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6167**	**.0007**	**.0006**	**.0114**	**.0225**	**.0134**	**6.246**	**.0174**	**-.0006**
Stddev	.0014	.0000	.0001	.0001	.0001	.0003	.021	.0000	.0002
%RSD	.2249	2.539	24.91	.5930	.3376	2.011	.3310	.2764	38.73
#1	.6177	.0007	.0007	.0114	.0224	.0132	6.261	.0174	-.0004
#2	.6157	.0006	.0005	.0113	.0225	.0136	6.232	.0175	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0215**	**.0704**	**.0065**	**-.0004**	**.0668**	**.0138**	**.0004**	**9.875**	**86.40**
Stddev	.0000	.0001	.0001	.0033	.0003	.0004	.0000	.021	.22
%RSD	.1718	.0857	1.052	746.1	.4346	3.258	1.414	.2088	.2548
#1	.0215	.0705	.0066	.0019	.0666	.0141	.0004	9.890	86.25
#2	.0215	.0704	.0065	-.0028	.0670	.0134	.0004	9.861	86.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.23**	**33.16**	**6.231**	**208.3**	**.0458**	**-.0034**	**-.0060**	**16.63**	**.0031**
Stddev	.30	.20	.030	.7	.0002	.0002	.0005	.00	.0011
%RSD	.3463	.6087	.4868	.3489	.3940	4.918	8.575	.0061	35.42
#1	86.02	33.02	6.209	207.8	.0457	-.0033	-.0064	16.64	.0038
#2	86.44	33.30	6.252	208.8	.0459	-.0035	-.0056	16.63	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4876**	**.1226**	**-.0063**	**.0003**	**6.530**	**.0006**	**.0093**
Stddev	.0008	.0000	.0011	.0000	.013	.0003	.0005
%RSD	.1562	.0023	16.91	7.414	.1960	58.54	5.310
#1	.4871	.1226	-.0071	.0002	6.539	.0008	.0097
#2	.4881	.1226	-.0056	.0003	6.521	.0003	.0090

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102400.**	**14673.**	**2022.8**	**6166.5**
Stddev	206.	41.	1.8	5.7
%RSD	.20158	.28008	.08968	.09192
#1	102250.	14702.	2021.5	6162.5
#2	102540.	14643.	2024.1	6170.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:11:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.002**	**2.012**	**2.011**	**2.035**	**1.944**	**2.039**	**2.032**	**.2414**
Stddev	.000	.004	.004	.003	.001	.007	.000	.002	.0003
%RSD	.0022	.1894	.2045	.1705	.0436	.3370	.0069	.1094	.1209
#1	2.020	2.005	2.009	2.008	2.036	1.940	2.039	2.030	.2412
#2	2.020	2.000	2.015	2.013	2.035	1.949	2.039	2.033	.2416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**2.042**	**1.992**	**2.070**	**2.031**	**2.009**	**1.991**	**38.99**	**40.41**
Stddev	.005	.002	.004	.006	.002	.004	.003	.13	.00
%RSD	.2614	.0733	.1796	.3165	.1024	.2231	.1369	.3435	.0042
#1	1.966	2.041	1.989	2.065	2.029	2.006	1.989	39.09	40.41
#2	1.973	2.043	1.994	2.074	2.032	2.012	1.993	38.90	40.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.30**	**39.33**	**40.30**	**39.91**	**2.018**	**2.023**	**1.963**	**4.964**	**2.054**
Stddev	.09	.04	.00	.04	.004	.006	.007	.012	.003
%RSD	.2400	.1126	.0011	.1125	.1751	.2812	.3798	.2314	.1472
#1	39.37	39.36	40.30	39.94	2.015	2.019	1.958	4.956	2.052
#2	39.24	39.30	40.30	39.88	2.020	2.027	1.968	4.972	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:11:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.002**	**1.846**	**2.007**	**1.945**	**2.000**	**2.033**
Stddev	.002	.002	.027	.000	.014	.008	.003
%RSD	.1083	.1164	1.443	.0186	.7027	.3850	.1647
#1	2.082	2.000	1.827	2.007	1.935	1.994	2.030
#2	2.079	2.003	1.865	2.008	1.954	2.005	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106360.**	**14633.**	**2099.7**	**6492.4**
Stddev	46.	56.	5.6	11.6
%RSD	.04285	.38316	.26487	.17814
#1	106390.	14593.	2103.6	6500.6
#2	106320.	14672.	2095.7	6484.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:17:11 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	F **.0008**	**.0008**	**.0005**	**.0002**	**.0004**	**.0009**	**.0000**
Stddev	.0000	.0001	.0002	.0005	.0003	.0003	.0000	.0001	.000
%RSD	13.46	26.93	23.34	54.25	49.72	176.6	10.59	14.80	1111.
#1	.0003	.0003	.0009	.0012	.0003	.0000	.0004	.0010	-.0003
#2	.0004	.0002	.0006	.0005	.0007	.0004	.0004	.0008	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0010**	**.0014**	**.0014**	**.0006**	**.0029**	**.0011**	**.0017**	**.0061**
Stddev	.0001	.0001	.0007	.0020	.0012	.0005	.0003	.0079	.0018
%RSD	18.64	5.773	47.64	134.8	199.6	18.03	24.60	467.7	29.80
#1	.0005	.0011	.0019	.0028	.0015	.0033	.0013	.0073	.0074
#2	.0006	.0010	.0009	.0001	-.0003	.0025	.0009	-.0039	.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072**	**.0189**	**.0320**	**.0287**	**.0008**	F **.0024**	**-.0006**	**.0024**	**.0009**
Stddev	.0036	.0265	.0118	.0031	.0005	.0004	.0000	.0011	.0006
%RSD	50.80	140.4	36.92	10.89	57.33	17.91	7.116	43.58	68.85
#1	.0046	.0001	.0236	.0265	.0012	.0027	-.0006	.0032	.0013
#2	.0097	.0376	.0403	.0309	.0005	.0021	-.0006	.0017	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:17:11 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	F **.0124**	F **.0012**	**.0024**	**.0006**	**.0008**
Stddev	.0001	.0000	.0026	.0000	.0012	.0000	.0002
%RSD	38.08	.3842	21.07	1.267	51.54	.0559	26.41
#1	.0002	.0005	.0143	.0012	.0032	.0006	.0009
#2	.0003	.0005	.0106	.0012	.0015	.0006	.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112230.**	**14792.**	**2178.8**	**7189.4**
Stddev	207.	105.	5.6	19.1
%RSD	.18402	.70866	.25592	.26579
#1	112080.	14866.	2182.8	7202.9
#2	112370.	14718.	2174.9	7175.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 20:23:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2091**	**.0023**	**.0034**	**.0511**	**.0111**	**.0105**	**.0165**	**.0108**	**.0049**
Stddev	.0001	.0001	.0002	.0003	.0001	.0000	.0000	.0000	.0000
%RSD	.0584	3.037	6.333	.5352	.5730	.2852	.1360	.3152	.3076
#1	.2090	.0023	.0032	.0509	.0111	.0105	.0165	.0108	.0049
#2	.2092	.0022	.0035	.0513	.0111	.0106	.0165	.0108	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0532**	**.0235**	**.0092**	**.0076**	**.0036**	**.0112**	**.0057**	**.1960**	**5.060**
Stddev	.0003	.0000	.0012	.0010	.0000	.0019	.0010	.0042	.013
%RSD	.5156	.2051	12.85	13.02	1.001	17.27	18.07	2.128	.2589
#1	.0534	.0236	.0100	.0069	.0036	.0098	.0065	.1931	5.069
#2	.0530	.0235	.0084	.0083	.0036	.0125	.0050	.1990	5.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1094**	**5.164**	**5.287**	**5.084**	**.1055**	**.0217**	**.0595**	**.2205**	**.0106**
Stddev	.0005	.000	.003	.011	.0007	.0003	.0002	.0000	.0003
%RSD	.4338	.0011	.0479	.2227	.6186	1.375	.3377	.0008	2.760
#1	.1097	5.164	5.285	5.076	.1059	.0219	.0597	.2205	.0104
#2	.1090	5.164	5.288	5.092	.1050	.0215	.0594	.2205	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 20:23:29 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0109**	**.0109**	**.0536**	**.0117**	**.0515**	**.0222**	**.0228**
Stddev	.0000	.0003	.0010	.0000	.0016	.0003	.0003
%RSD	.3686	2.456	1.839	.2600	3.166	1.232	1.247
#1	.0109	.0111	.0543	.0117	.0527	.0220	.0226
#2	.0108	.0107	.0529	.0117	.0504	.0224	.0230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**109710.**	**14682.**	**2157.9**	**7008.0**
Stddev	259.	31.	2.9	4.6
%RSD	.23653	.21381	.13445	.06580
#1	109520.	14660.	2159.9	7004.8
#2	109890.	14704.	2155.8	7011.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 20:29:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0010**	**.0035**	**.0024**	**.0019**	**.0033**	**.0042**	**.0012**
Stddev	.0001	.0000	.0001	.0000	.0002	.0004	.0000	.0004	.0001
%RSD	1.604	.5928	11.51	.7507	6.957	20.86	.1076	8.412	11.21
#1	.0041	.0010	.0011	.0035	.0022	.0017	.0033	.0044	.0011
#2	.0042	.0010	.0009	.0034	.0025	.0022	.0033	.0039	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	F **.0134**	**.0036**	**.0025**	**.0032**	F **.0086**	F **.0015**	**.1001**	**1.054**
Stddev	.0001	.0000	.0009	.0009	.0003	.0013	.0005	.0117	.002
%RSD	2.568	.2823	24.97	35.99	8.531	14.90	35.28	11.69	.2095
#1	.0022	.0134	.0030	.0019	.0030	.0077	.0012	.1084	1.052
#2	.0021	.0135	.0042	.0032	.0034	.0095	.0019	.0918	1.055
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value		.0100				.0050	.0030		
Range		30.00%				30.00%	-30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**.1094**	**2.145**	**1.048**	**.0099**	**-.0002**	**-.0006**	**-.0019**	**.0001**
Stddev	.0016	.0011	.017	.006	.0006	.0001	.0001	.0001	.0000
%RSD	25.15	.9903	.7715	.5712	6.068	67.15	10.45	4.101	33.33
#1	.0053	.1087	2.133	1.044	.0104	-.0001	-.0006	-.0018	.0002
#2	.0075	.1102	2.157	1.052	.0095	-.0003	-.0007	-.0019	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 20:29:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**-.0075**	**-.0004**	**.0018**	**-.0001**	**.0006**
Stddev	.000	.0000	.0000	.0001	.0007	.0004	.0001
%RSD	121.7	8.221	.1184	29.10	38.94	604.3	22.39
#1	.0000	-.0003	-.0075	-.0004	.0013	-.0004	.0007
#2	-.0001	-.0003	-.0075	-.0003	.0023	.0002	.0005
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111610.**	**14737.**	**2173.7**	**7146.2**
Stddev	249.	25.	1.0	5.7
%RSD	.22339	.17201	.04498	.07937
#1	111430.	14755.	2173.0	7142.2
#2	111790.	14719.	2174.4	7150.3

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 20:36:01 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0000**	**.0002**	**.0000**	**.0001**	**.0000**	**.0005**	**.0000**
Stddev	.0002	.0000	.000	.0002	.0000	.0001	.000	.0002	.000
%RSD	110.1	45.22	121.1	89.93	33.46	124.7	56.40	44.38	1244.
#1	.0000	.0000	-.0001	.0001	.0000	.0001	-.0001	.0006	-.0001
#2	.0003	-.0001	.0000	.0003	.0000	.0000	.0000	.0003	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0016**	**.0206**	**.0017**	**.0206**	**.0236**	**.0190**	**.4807**	**.0064**
Stddev	.0001	.0000	.0013	.0001	.0001	.0003	.0006	.0087	.0015
%RSD	79.01	1.515	6.439	6.356	.4543	1.461	3.015	1.804	22.73
#1	.0000	.0016	.0215	.0016	.0205	.0234	.0194	.4868	.0054
#2	.0001	.0017	.0196	.0018	.0206	.0238	.0186	.4745	.0074
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5131**	**.0000**	**.0194**	**.0046**	**-.0002**	**-.0004**	**-.0009**	**.0004**	**-.0005**
Stddev	.0018	.013	.0154	.0028	.0002	.0001	.0004	.0004	.0010
%RSD	.3419	293200.	79.13	60.56	87.53	14.49	45.92	83.73	207.6
#1	.5144	-.0093	.0303	.0026	-.0004	-.0004	-.0012	.0002	-.0012
#2	.5119	.0093	.0086	.0065	-.0001	-.0004	-.0006	.0007	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 20:36:01 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0087**	**-.0002**	**.0017**	**-.0001**	**.0006**
Stddev	.000	.0002	.0006	.0000	.0020	.0002	.0001
%RSD	151.8	227.9	7.393	7.011	116.6	170.0	12.46
#1	-.0001	-.0002	-.0082	-.0002	.0032	.0000	.0005
#2	.0000	.0001	-.0091	-.0002	.0003	-.0003	.0006
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111530.**	**14680.**	**2201.1**	**7244.9**
Stddev	151.	12.	1.5	12.1
%RSD	.13512	.08439	.06730	.16708
#1	111420.	14671.	2200.1	7236.3
#2	111640.	14689.	2202.2	7253.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 20:42:20 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0001**	**.0012**	**.0030**	**-.0006**	**-.0017**	**-.0015**	**-.0005**	**-.0056**
Stddev	.0001	.0001	.0001	.0004	.0000	.0002	.0001	.0001	.0006
%RSD	10.29	131.2	4.801	15.21	1.155	9.387	7.904	18.21	10.53
#1	-.0006	.0000	.0013	.0033	-.0006	-.0016	-.0016	-.0005	-.0060
#2	-.0006	-.0001	.0012	.0026	-.0006	-.0018	-.0014	-.0006	-.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0008**	**.0014**	**-.0023**	**-.0056**	**.0138**	**-.0003**	**489.4**	**378.8**
Stddev	.0000	.0002	.0009	.0073	.0003	.0016	.0018	3.7	2.0
%RSD	1.588	19.84	65.94	321.3	5.256	11.49	523.6	.7481	.5166
#1	-.0017	-.0007	.0007	.0029	-.0058	.0127	.0009	486.8	377.4
#2	-.0018	-.0009	.0020	-.0075	-.0054	.0149	-.0016	492.0	380.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**184.2**	**521.1**	**.0146**	**.0339**	**-.0124**	**-.0019**	**-.0167**	**-.0042**	**.0063**
Stddev	.1	.4	.0097	.0075	.0004	.0001	.0007	.0020	.0005
%RSD	.0276	.0812	66.38	22.01	2.993	4.129	4.381	47.22	8.112
#1	184.2	520.8	.0215	.0286	-.0127	-.0020	-.0162	-.0056	.0060
#2	184.2	521.4	.0078	.0392	-.0122	-.0019	-.0172	-.0028	.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 20:42:20 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0020**	**.0089**	**.0086**	**-.0411**	**.0015**	**.0056**
Stddev	.0001	.0001	.0008	.0001	.0038	.0005	.0004
%RSD	12.46	6.261	9.482	1.073	9.120	33.33	6.847
#1	-.0006	.0021	.0083	.0086	-.0438	.0012	.0054
#2	-.0005	.0019	.0095	.0087	-.0385	.0019	.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95619.**	**13989.**	**1915.1**	**5739.8**
Stddev	80.	11.	2.7	2.6
%RSD	.08405	.07649	.14065	.04560
#1	95562.	13981.	1917.0	5741.7
#2	95676.	13996.	1913.2	5738.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 20:48:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5107**	**.4936**	**1.027**	**.4825**	**.4799**	**.5178**	**.5020**	**.9647**	**1.089**
Stddev	.0012	.0003	.002	.0005	.0028	.0025	.0022	.0016	.001
%RSD	.2403	.0578	.1496	.0960	.5805	.4917	.4398	.1631	.0831
#1	.5098	.4934	1.026	.4822	.4780	.5196	.5005	.9636	1.088
#2	.5116	.4938	1.028	.4829	.4819	.5160	.5036	.9658	1.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4660**	**.9565**	**1.081**	**.9604**	**.9408**	**1.085**	**1.037**	**492.9**	**376.9**
Stddev	.0005	.0012	.002	.0027	.0029	.001	.001	5.8	2.8
%RSD	.1130	.1220	.2171	.2805	.3118	.0846	.0457	1.184	.7433
#1	.4656	.9557	1.080	.9585	.9387	1.085	1.037	497.1	374.9
#2	.4664	.9573	1.083	.9623	.9429	1.086	1.037	488.8	378.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.0**	**517.8**	**-.0052**	**.0169**	**-.0132**	**.4918**	**.5650**	**-.0068**	**.0058**
Stddev	.0	.7	.0000	.0049	.0014	.0006	.0023	.0006	.0006
%RSD	.0200	.1403	.6699	29.18	10.35	.1260	.3992	8.727	10.33
#1	187.0	518.4	-.0052	.0134	-.0142	.4914	.5666	-.0064	.0062
#2	186.9	517.3	-.0053	.0203	-.0123	.4922	.5634	-.0072	.0054
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 20:48:43 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0058**	**.5704**	F **.0037**	**.4426**	**.5200**	**.5574**
Stddev	.0001	.0001	.0023	.0001	.0012	.0002	.0007
%RSD	22.68	2.536	.4059	3.918	.2756	.0431	.1275
#1	-.0005	.0057	.5721	.0038	.4435	.5202	.5579
#2	-.0006	.0059	.5688	.0036	.4418	.5198	.5569
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.5000			
Range				-20.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95427.**	**14028.**	**1907.4**	**5731.0**
Stddev	306.	56.	.7	2.5
%RSD	.32079	.40154	.03748	.04421
#1	95644.	13988.	1906.9	5732.8
#2	95211.	14068.	1907.9	5729.2

Zoom In Zoom Out

Sample Name: Znconf Acquired: 6/10/2014 20:54:58 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0041**	**.0004**	**.0000**	**-.0001**	**.0001**	**.0004**	**.0000**
Stddev	.0000	.0000	.0000	.0002	.000	.0003	.0001	.0001	.0003
%RSD	6.999	16.55	.2577	58.24	1626.	262.9	59.34	20.88	1414.
#1	.0003	-.0001	-.0041	.0002	-.0002	.0001	.0001	.0004	.0002
#2	.0002	-.0001	-.0041	.0005	.0002	-.0003	.0002	.0005	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**11.35**	**.0023**	**-.0006**	**.0005**	**-.0001**	**.0007**	**.0697**	**.0858**
Stddev	.0001	.13	.0008	.0001	.0008	.0001	.0005	.0135	.0172
%RSD	62.37	1.139	33.43	18.82	160.1	147.2	63.79	19.31	20.04
#1	.0003	11.26	.0018	-.0006	.0010	.0000	.0004	.0602	.0736
#2	.0001	11.44	.0029	-.0005	-.0001	-.0002	.0011	.0792	.0979

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0317**	**.0801**	**.0157**	**.0060**	**-.0004**	**.0000**	**-.0004**	**-.0021**	**-.0006**
Stddev	.0068	.0424	.0025	.0103	.0004	.0001	.0004	.0001	.0001
%RSD	21.61	52.90	15.92	173.2	96.13	956.1	115.1	4.258	17.03
#1	.0268	.0501	.0174	.0133	-.0001	.0001	-.0001	-.0021	-.0005
#2	.0365	.1100	.0139	-.0013	-.0006	-.0001	-.0006	-.0020	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**.0278**	**-.0003**	**.0025**	**.0001**	**-.0002**
Stddev	.0001	.0001	.0015	.0001	.0010	.0002	.0004
%RSD	93.44	2706.	5.495	38.70	41.83	253.8	234.1
#1	-.0001	.0001	.0267	-.0002	.0032	-.0001	.0001
#2	.0000	-.0001	.0289	-.0004	.0018	.0002	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112190.**	**14660.**	**2183.7**	**7199.8**
Stddev	58.	113.	21.6	58.5
%RSD	.05213	.77348	.98798	.81245
#1	112150.	14741.	2198.9	7241.2
#2	112240.	14580.	2168.4	7158.5

Zoom In Zoom Out

Sample Name: Moconf Acquired: 6/10/2014 21:01:15 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0001**	**.0002**	**-.0007**	**.0008**	**.0003**	**.0013**	**.0015**	**-.0009**
Stddev	.0000	.0001	.0000	.0002	.0002	.0003	.0000	.0001	.0000
%RSD	3.487	65.54	1.365	29.01	27.38	109.1	1.669	6.280	.0625
#1	-.0001	.0001	.0002	-.0008	.0007	.0001	.0012	.0016	-.0009
#2	-.0001	.0002	.0002	-.0005	.0010	.0005	.0013	.0014	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**-.0001**	**.0046**	**-.0004**	**-.0009**	**.0041**	**-.0017**	**-.1137**	**.0410**
Stddev	.0002	.0002	.0007	.0023	.0003	.0009	.0003	.0024	.0059
%RSD	19.23	224.4	15.04	581.0	31.19	21.38	16.43	2.073	14.44
#1	-.0008	-.0002	.0051	-.0021	-.0011	.0035	-.0019	-.1121	.0368
#2	-.0010	.0000	.0041	.0013	-.0007	.0048	-.0015	-.1154	.0452

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0146**	**.0826**	**.0033**	**.0324**	**.0320**	**10.83**	**.0006**	**.0092**	**-.0008**
Stddev	.0027	.0077	.0151	.0038	.0011	.02	.0006	.0003	.0000
%RSD	18.38	9.377	463.9	11.76	3.335	.1449	101.4	2.927	1.735
#1	.0127	.0771	-.0074	.0351	.0312	10.81	.0002	.0090	-.0008
#2	.0165	.0880	.0140	.0297	.0327	10.84	.0010	.0094	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0007**	**-.0108**	**.0083**	**.0098**	**.0003**	**-.0004**
Stddev	.000	.0001	.0005	.0001	.0039	.0001	.0005
%RSD	165.9	15.12	4.962	.8384	39.95	34.20	120.1
#1	-.0001	-.0006	-.0104	.0082	.0125	.0004	-.0001
#2	.0000	-.0008	-.0112	.0083	.0070	.0002	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112400.**	**14529.**	**2182.8**	**7227.1**
Stddev	41.	187.	3.0	10.7
%RSD	.03631	1.2905	.13583	.14787
#1	112370.	14396.	2180.7	7219.5
#2	112420.	14661.	2184.9	7234.6

Zoom In Zoom Out

Sample Name: Sconf Acquired: 6/10/2014 21:07:31 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**-.0001**	**.0001**	**.0003**	**-.0002**	**.0000**	**.0001**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0001	.0003	.000	.0002	.000
%RSD	21.06	4.960	45.97	50.40	18.15	211.9	1093.	240.5	1145.
#1	.0002	-.0001	-.0002	.0002	.0004	-.0004	-.0001	.0002	-.0002
#2	.0003	-.0001	-.0001	.0001	.0003	.0001	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0023**	**-.0005**	**.0009**	**.0004**	**.0036**	**.0002**	**.0066**	**.0161**
Stddev	.0002	.0000	.0000	.0016	.0008	.0016	.0001	.0025	.0028
%RSD	44.49	.3976	5.975	179.7	187.5	45.60	34.57	37.45	17.31
#1	.0002	.0023	-.0005	.0021	-.0001	.0047	.0001	.0083	.0142
#2	.0004	.0023	-.0005	-.0002	.0009	.0024	.0002	.0048	.0181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**.0211**	**.0224**	**-.0056**	**-.0013**	**.0057**	**-.0001**	**.0287**	**-.0010**
Stddev	.0005	.0118	.0408	.0017	.0009	.0012	.0005	.0002	.0008
%RSD	9.293	55.81	182.1	29.73	70.79	20.40	374.9	.7792	85.41
#1	.0049	.0128	-.0064	-.0044	-.0006	.0066	.0002	.0285	-.0016
#2	.0056	.0295	.0512	-.0067	-.0019	.0049	-.0005	.0288	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0141**	**.0019**	**24.16**	**.0003**	**.0003**
Stddev	.0000	.0002	.0004	.0000	.10	.0001	.0004
%RSD	13.94	304.6	2.680	.1825	.3966	30.99	126.9
#1	-.0001	.0001	-.0138	.0019	24.09	.0002	.0005
#2	-.0001	-.0002	-.0143	.0019	24.22	.0003	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**113310.**	**14687.**	**2192.2**	**7238.1**
Stddev	190.	5.	10.2	33.3
%RSD	.16769	.03625	.46679	.45946
#1	113450.	14691.	2199.5	7261.6
#2	113180.	14683.	2185.0	7214.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 21:13:48 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.009**	**2.050**	**2.048**	**2.037**	**1.982**	**2.057**	**2.076**	**.2432**
Stddev	.001	.005	.047	.044	.004	.003	.004	.043	.0008
%RSD	.0494	.2542	2.293	2.132	.1831	.1544	.1877	2.094	.3382
#1	2.042	2.006	2.016	2.017	2.035	1.980	2.054	2.045	.2438
#2	2.043	2.013	2.083	2.079	2.040	1.985	2.059	2.107	.2426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.088**	**2.038**	**2.127**	**2.082**	**2.059**	**2.037**	**39.28**	**40.73**
Stddev	.006	.046	.048	.048	.044	.046	.049	.11	.16
%RSD	.2922	2.190	2.375	2.267	2.137	2.243	2.394	.2734	.3964
#1	2.004	2.055	2.004	2.093	2.051	2.027	2.002	39.21	40.61
#2	2.012	2.120	2.072	2.161	2.114	2.092	2.071	39.36	40.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.42**	**39.60**	**40.80**	**40.42**	**2.055**	**2.078**	**1.976**	**5.077**	**2.098**
Stddev	.12	.09	.16	.14	.047	.050	.002	.127	.049
%RSD	.2924	.2242	.4025	.3543	2.261	2.406	.0872	2.506	2.343
#1	39.34	39.54	40.69	40.31	2.022	2.043	1.977	4.987	2.063
#2	39.50	39.67	40.92	40.52	2.088	2.113	1.974	5.167	2.133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 21:13:48 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087**	**2.019**	**1.899**	**2.021**	**2.013**	**2.041**	**2.038**
Stddev	.000	.007	.078	.005	.045	.049	.001
%RSD	.0023	.3391	4.104	.2534	2.263	2.418	.0453
#1	2.087	2.014	1.844	2.018	1.981	2.006	2.039
#2	2.087	2.024	1.954	2.025	2.045	2.076	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105530.**	**14399.**	**2061.8**	**6367.4**
Stddev	225.	138.	42.9	123.6
%RSD	.21342	.96114	2.0826	1.9407
#1	105690.	14497.	2092.2	6454.8
#2	105380.	14301.	2031.4	6280.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:19:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0003**	**.0003**	**.0006**	**.0004**	**.0002**	**.0003**	**.0003**	**-.0003**
Stddev	.0000	.0000	.0000	.0003	.0002	.0002	.0000	.0002	.0005
%RSD	2.902	5.317	6.572	44.80	44.59	94.46	8.336	62.06	163.9
#1	.0005	.0003	.0003	.0004	.0003	.0001	.0003	.0004	-.0007
#2	.0005	.0003	.0003	.0008	.0005	.0003	.0003	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0013**	**.0015**	**.0003**	**-.0004**	**-.0002**	**-.0001**	**.0019**	**.0031**
Stddev	.0003	.0007	.0004	.0005	.0002	.0014	.0005	.0064	.0017
%RSD	63.56	56.75	28.96	194.7	68.54	822.8	405.3	330.8	53.23
#1	.0003	.0018	.0012	-.0001	-.0005	-.0011	.0002	-.0026	.0043
#2	.0007	.0008	.0018	.0006	-.0002	.0008	-.0004	.0065	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0113**	**.0128**	**.0314**	**.0084**	**.0003**	F **.0028**	**.0003**	**.0007**	**-.0001**
Stddev	.0028	.0106	.0336	.0018	.0001	.0004	.0007	.0006	.0005
%RSD	25.03	83.10	107.0	21.75	41.61	14.54	229.0	86.76	490.2
#1	.0133	.0203	.0552	.0097	.0002	.0031	.0009	.0003	-.0004
#2	.0093	.0053	.0077	.0071	.0004	.0025	-.0002	.0011	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:19:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	F **.0144**	F **.0011**	**.0010**	**.0001**	**.0012**
Stddev	.0001	.0003	.0025	.0000	.0007	.0003	.0000
%RSD	40.55	70.54	17.42	3.126	66.10	382.5	2.719
#1	.0004	.0002	.0162	.0011	.0015	.0003	.0012
#2	.0002	.0006	.0126	.0011	.0005	-.0002	.0011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111790.**	**14692.**	**2185.9**	**7188.3**
Stddev	10.	14.	5.8	8.9
%RSD	.00930	.09744	.26515	.12437
#1	111800.	14702.	2190.0	7194.7
#2	111780.	14682.	2181.8	7182.0

Zoom In Zoom Out

Sample Name: jb68735-14 Acquired: 6/10/2014 21:26:10 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2257**	**.0000**	**.0000**	**.0051**	**.0020**	**.0043**	**.9252**	**.0024**	**-.0002**
Stddev	.0004	.0000	.000	.0002	.0002	.0003	.0011	.0001	.0005
%RSD	.1742	18.01	1392.	4.457	11.21	7.626	.1203	4.875	209.8
#1	.2260	.0000	-.0001	.0049	.0018	.0040	.9260	.0023	-.0005
#2	.2254	.0000	.0001	.0052	.0021	.0045	.9245	.0025	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.1390**	**.0040**	**-.0014**	**.0047**	**.0024**	**.0002**	**.3563**	**6.998**
Stddev	.0001	.0002	.0002	.0004	.0007	.0037	.0002	.0132	.003
%RSD	6.401	.1592	5.181	31.32	15.14	157.8	75.67	3.717	.0387
#1	.0019	.1388	.0039	-.0017	.0042	.0050	.0003	.3656	7.000
#2	.0017	.1392	.0042	-.0011	.0052	-.0003	.0001	.3469	6.996

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**43.01**	**6.827**	**2.432**	**93.71**	**.0152**	**.0001**	**-.0020**	**2.392**	**.0011**
Stddev	.01	.034	.015	.20	.0006	.0002	.0000	.005	.0001
%RSD	.0258	.5002	.6245	.2118	3.772	169.8	.6384	.1962	7.968
#1	43.02	6.802	2.442	93.85	.0148	.0002	-.0020	2.395	.0010
#2	43.00	6.851	2.421	93.57	.0156	.0000	-.0020	2.388	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0485**	**.0120**	**.0117**	**.0017**	**1.162**	**-.0007**	**.0010**
Stddev	.0001	.0001	.0021	.0000	.003	.0001	.0013
%RSD	.1795	.6484	18.10	2.139	.2735	11.12	135.9
#1	.0485	.0120	.0132	.0016	1.164	-.0008	.0019
#2	.0484	.0119	.0102	.0017	1.160	-.0007	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106530.**	**14699.**	**2098.5**	**6602.3**
Stddev	100.	7.	3.1	4.8
%RSD	.09421	.05032	.14877	.07245
#1	106460.	14704.	2096.3	6599.0
#2	106600.	14694.	2100.7	6605.7

Zoom In Zoom Out

Sample Name: jb68735-1f Acquired: 6/10/2014 21:32:22 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0937**	**.0009**	**.0077**	**.0139**	**.0002**	**.0016**	**.5225**	**.0133**	**-.0003**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0003
%RSD	.1458	2.463	1.750	.3489	73.75	5.880	.0271	.5525	113.5
#1	.0938	.0009	.0076	.0140	.0001	.0016	.5224	.0132	-.0001
#2	.0936	.0009	.0078	.0139	.0003	.0017	.5226	.0133	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0683**	**.0000**	**-.0015**	**.0004**	**.0051**	**.0010**	**.0796**	**5.276**
Stddev	.0001	.0001	.000	.0037	.0004	.0002	.0006	.0077	.006
%RSD	103.3	.1358	12200.	243.6	99.82	3.625	64.16	9.642	.1057
#1	.0000	.0682	.0002	.0011	.0001	.0052	.0005	.0742	5.280
#2	-.0002	.0684	-.0002	-.0042	.0006	.0049	.0014	.0850	5.273

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0155**	**4.032**	**2.109**	**13.59**	**.0072**	**.0010**	**-.0007**	**7.925**	**.0004**
Stddev	.0007	.034	.008	.01	.0004	.0001	.0003	.015	.0005
%RSD	4.500	.8454	.3666	.0767	6.052	6.258	38.09	.1879	129.8
#1	.0160	4.056	2.103	13.58	.0076	.0010	-.0009	7.935	.0008
#2	.0150	4.008	2.114	13.60	.0069	.0011	-.0005	7.914	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0433**	**.0019**	**.0068**	**.0012**	**6.273**	**-.0013**	**.0313**
Stddev	.0001	.0000	.0018	.0000	.006	.0014	.0003
%RSD	.2674	1.296	25.85	.9385	.0921	102.3	.8212
#1	.0434	.0019	.0081	.0012	6.277	-.0023	.0314
#2	.0432	.0019	.0056	.0012	6.269	-.0004	.0311

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109730.**	**14714.**	**2156.2**	**6993.4**
Stddev	147.	72.	3.6	9.8
%RSD	.13433	.48856	.16480	.14066
#1	109630.	14663.	2153.7	6986.5
#2	109840.	14765.	2158.7	7000.4

Zoom In Zoom Out

Sample Name: jb68735-9f Acquired: 6/10/2014 21:38:35 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.148**	**.0000**	**.0020**	**.0372**	**.0020**	**.0001**	**4.755**	**.0270**	**.0002**
Stddev	.001	.000	.0000	.0001	.0002	.0003	.011	.0001	.0000
%RSD	.0525	63.09	.7989	.2669	11.34	380.3	.2404	.4139	9.394
#1	1.148	.0000	.0020	.0373	.0018	.0003	4.747	.0269	.0002
#2	1.147	.0000	.0020	.0372	.0022	-.0001	4.763	.0271	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0231**	**.0012**	**-.0017**	**.0008**	**.0068**	**.0005**	**-.0019**	**28.41**
Stddev	.000	.0001	.0005	.0002	.0007	.0013	.0007	.0024	.10
%RSD	266.5	.2168	43.19	11.88	86.76	19.68	125.9	127.6	.3510
#1	-.0001	.0230	.0016	-.0018	.0003	.0059	.0010	-.0002	28.34
#2	.0000	.0231	.0009	-.0015	.0013	.0078	.0001	-.0036	28.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0301**	**22.16**	**5.616**	**114.2**	**.0243**	**.0010**	**-.0006**	**2.997**	**.0004**
Stddev	.0010	.11	.019	.2	.0000	.0000	.0007	.003	.0000
%RSD	3.362	.4966	.3381	.1376	.1107	1.456	119.3	.1144	11.42
#1	.0308	22.08	5.602	114.4	.0243	.0010	-.0001	2.995	.0004
#2	.0294	22.23	5.629	114.1	.0243	.0010	-.0011	3.000	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2474**	**.0004**	**.0007**	**.0006**	**2.726**	**-.0005**	**.0034**
Stddev	.0006	.0002	.0002	.0001	.020	.0015	.0004
%RSD	.2425	50.42	23.15	20.10	.7468	299.5	10.19
#1	.2470	.0003	.0006	.0007	2.711	.0005	.0037
#2	.2478	.0006	.0008	.0006	2.740	-.0015	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105190.**	**14577.**	**2068.3**	**6434.5**
Stddev	71.	54.	.6	2.3
%RSD	.06720	.37113	.02995	.03623
#1	105140.	14615.	2067.9	6436.1
#2	105240.	14538.	2068.7	6432.8

Zoom In Zoom Out

Sample Name: jb68735-11f Acquired: 6/10/2014 21:44:54 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8595**	**.0006**	**.0010**	**.0383**	**.0005**	**.0010**	**1.198**	**.0325**	**.0001**
Stddev	.0013	.0000	.0001	.0001	.0002	.0001	.001	.0002	.0000
%RSD	.1529	8.162	10.68	.2708	38.99	9.912	.0697	.6436	6.650
#1	.8605	.0006	.0009	.0382	.0006	.0009	1.199	.0324	.0001
#2	.8586	.0005	.0011	.0383	.0003	.0011	1.197	.0327	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0311**	**.0005**	**-.0018**	**.0008**	**.0086**	**.0010**	**-.0032**	**26.13**
Stddev	.000	.0004	.0003	.0013	.0003	.0011	.0005	.0026	.07
%RSD	1457.	1.439	56.20	70.23	43.29	12.50	48.15	79.11	.2777
#1	-.0001	.0308	.0003	-.0027	.0010	.0093	.0006	-.0014	26.08
#2	.0001	.0314	.0008	-.0009	.0005	.0078	.0013	-.0051	26.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.551**	**14.64**	**7.407**	**178.0**	**.0231**	**.0014**	**-.0021**	**5.918**	**.0014**
Stddev	.006	.00	.016	1.6	.0009	.0001	.0001	.004	.0000
%RSD	.1059	.0159	.2174	.8889	3.908	9.295	5.212	.0640	3.448
#1	5.547	14.65	7.395	176.9	.0238	.0015	-.0020	5.916	.0015
#2	5.556	14.64	7.418	179.1	.0225	.0013	-.0022	5.921	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1985**	**.0005**	**-.0010**	**.0007**	**3.342**	**-.0006**	**.0134**
Stddev	.0002	.0001	.0002	.0000	.002	.0000	.0008
%RSD	.0817	13.93	20.75	1.065	.0558	6.112	5.844
#1	.1986	.0004	-.0011	.0007	3.343	-.0006	.0128
#2	.1983	.0005	-.0008	.0007	3.340	-.0006	.0139

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103020.**	**14581.**	**2056.1**	**6313.2**
Stddev	107.	74.	1.9	.2
%RSD	.10421	.50455	.08998	.00337
#1	103100.	14633.	2057.4	6313.4
#2	102940.	14529.	2054.8	6313.1

Zoom In Zoom Out

Sample Name: jb68735-13f Acquired: 6/10/2014 21:51:13 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4646**	**-.0001**	**.0003**	**.0036**	**.0020**	**.0004**	**6.568**	**.0026**	**.0000**
Stddev	.0005	.0000	.0000	.0001	.0000	.0004	.008	.0002	.0003
%RSD	.1044	30.35	14.40	2.971	2.039	114.9	.1226	7.760	2110.
#1	.4650	.0000	.0003	.0035	.0020	.0001	6.574	.0025	.0002
#2	.4643	-.0001	.0004	.0037	.0020	.0007	6.563	.0027	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0014**	**.0007**	**-.0005**	**.0009**	**.0095**	**-.0001**	**.0086**	**101.4**
Stddev	.0001	.0000	.0006	.0008	.0004	.0037	.0000	.0048	.2
%RSD	16.83	2.485	80.91	153.6	47.69	38.52	14.23	55.48	.1612
#1	-.0004	.0014	.0003	-.0011	.0006	.0121	-.0002	.0120	101.2
#2	-.0005	.0013	.0012	.0000	.0012	.0069	-.0001	.0052	101.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.08**	**35.12**	**5.769**	**244.0**	**.0515**	**-.0006**	**-.0036**	**2.601**	**-.0008**
Stddev	.01	.02	.001	.6	.0004	.0000	.0001	.002	.0012
%RSD	.0296	.0446	.0211	.2259	.7291	.0682	2.830	.0830	156.5
#1	22.08	35.11	5.770	243.6	.0517	-.0006	-.0036	2.600	-.0016
#2	22.09	35.13	5.768	244.4	.0512	-.0006	-.0035	2.603	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5321**	**.0009**	**-.0033**	**.0006**	**8.565**	**.0009**	**.0053**
Stddev	.0004	.0001	.0002	.0001	.004	.0002	.0009
%RSD	.0817	8.335	6.255	22.01	.0435	26.88	16.92
#1	.5324	.0008	-.0032	.0005	8.568	.0007	.0059
#2	.5318	.0010	-.0035	.0007	8.562	.0010	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100170.**	**14449.**	**1982.7**	**6045.5**
Stddev	252.	53.	1.4	.8
%RSD	.25147	.36747	.07231	.01340
#1	99987.	14486.	1981.7	6046.1
#2	100340.	14411.	1983.7	6045.0

Zoom In Zoom Out

Sample Name: jb68735-14f Acquired: 6/10/2014 21:57:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water few 2ndcal 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2160**	**.0000**	**-.0001**	**.0046**	**.0001**	**-.0007**	**.9596**	**.0011**	**-.0006**
Stddev	.0002	.000	.0002	.0003	.0005	.0002	.0012	.0001	.0005
%RSD	.0991	15.88	390.2	6.157	389.9	30.04	.1295	12.95	91.66
#1	.2162	.0000	.0001	.0048	-.0002	-.0009	.9605	.0010	-.0010
#2	.2159	.0000	-.0002	.0044	.0005	-.0006	.9588	.0012	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0157**	**.0010**	**-.0005**	**.0028**	**.0030**	**.0004**	**-.0027**	**6.855**
Stddev	.000	.0001	.0006	.0003	.0002	.0015	.0006	.0029	.001
%RSD	6981.	.8354	57.09	61.74	6.925	49.15	148.6	107.7	.0161
#1	.0001	.0156	.0006	-.0003	.0026	.0019	.0000	-.0047	6.855
#2	-.0001	.0158	.0014	-.0007	.0029	.0040	.0008	-.0006	6.856

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.33**	**6.704**	**2.606**	**102.4**	**.0159**	**-.0014**	**-.0014**	**1.853**	**.0004**
Stddev	.04	.006	.012	.2	.0004	.0001	.0008	.001	.0009
%RSD	.1185	.0830	.4557	.1632	2.235	10.76	59.45	.0501	237.4
#1	35.36	6.708	2.615	102.5	.0156	-.0013	-.0008	1.853	-.0003
#2	35.30	6.701	2.598	102.2	.0161	-.0015	-.0020	1.854	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0493**	**.0002**	**-.0044**	**-.0004**	**1.306**	**.0004**	**.0016**
Stddev	.0000	.0001	.0007	.0000	.002	.0007	.0001
%RSD	.0048	97.69	15.39	12.30	.1524	190.9	5.214
#1	.0493	.0000	-.0039	-.0003	1.304	-.0001	.0017
#2	.0493	.0003	-.0049	-.0004	1.307	.0008	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105470.**	**14679.**	**2092.1**	**6568.4**
Stddev	107.	29.	.2	3.4
%RSD	.10144	.19543	.00843	.05184
#1	105400.	14659.	2092.3	6566.0
#2	105550.	14700.	2092.0	6570.8

Zoom In Zoom Out

Sample Name: mp79946-s1 2 Acquired: 6/10/2014 22:03:48 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.002**	**.0989**	**.0924**	**.9578**	**.4388**	**.5780**	**2.465**	**1.005**	**.0960**
Stddev	.006	.0002	.0002	.0006	.0005	.0003	.006	.000	.0001
%RSD	.1497	.1624	.2510	.0654	.1156	.0532	.2499	.0024	.1004
#1	4.007	.0988	.0923	.9574	.4391	.5778	2.470	1.005	.0960
#2	3.998	.0990	.0926	.9582	.4384	.5782	2.461	1.005	.0961

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9835**	**1.323**	**3.777**	**4.107**	**1.287**	**4.048**	**.8556**	**80.78**	**19.45**
Stddev	.0016	.001	.001	.005	.004	.006	.0008	.03	.09
%RSD	.1635	.0632	.0164	.1148	.3318	.1400	.0940	.0347	.4800
#1	.9846	1.322	3.777	4.104	1.284	4.044	.8550	80.76	19.39
#2	.9823	1.323	3.776	4.110	1.290	4.052	.8562	80.80	19.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.5**	**23.49**	**18.08**	**12.55**	**.9394**	**.9335**	**.9102**	**4.578**	**.9414**
Stddev	.3	.17	.00	.00	.0001	.0015	.0036	.006	.0009
%RSD	.3121	.7144	.0264	.0208	.0155	.1637	.3910	.1421	.0963
#1	106.3	23.37	18.08	12.55	.9395	.9324	.9077	4.583	.9408
#2	106.7	23.61	18.08	12.55	.9393	.9346	.9127	4.574	.9420

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.002**	**1.925**	**-.0002**	**.0383**	**.0635**	**-.0034**	**.0508**
Stddev	.001	.002	.0011	.0003	.0007	.0003	.0005
%RSD	.1198	.0918	626.6	.8746	1.095	10.23	.8885
#1	1.001	1.927	.0006	.0385	.0630	-.0032	.0505
#2	1.003	1.924	-.0010	.0380	.0640	-.0037	.0512

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108500.**	**14845.**	**2158.9**	**6687.0**
Stddev	335.	104.	.3	.7
%RSD	.30910	.69951	.01263	.01014
#1	108260.	14919.	2158.7	6686.5
#2	108730.	14772.	2159.1	6687.5

Zoom In Zoom Out

Sample Name: mp79946-s2 Acquired: 6/10/2014 22:09:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.034**	**.0992**	**.0927**	**.9606**	**.4413**	**.6023**	**2.710**	**1.007**	**.0958**
Stddev	.005	.0003	.0001	.0012	.0012	.0018	.005	.002	.0005
%RSD	.1312	.2926	.0765	.1247	.2641	.3016	.1874	.1575	.5189
#1	4.030	.0994	.0927	.9598	.4404	.6036	2.706	1.006	.0962
#2	4.038	.0990	.0928	.9615	.4421	.6010	2.713	1.008	.0955

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.002**	**1.383**	**3.769**	**4.105**	**1.341**	**4.040**	**.8582**	**81.29**	**18.15**
Stddev	.001	.001	.004	.020	.001	.006	.0003	.03	.02
%RSD	.0808	.0418	.1165	.4866	.0766	.1472	.0337	.0342	.0861
#1	1.001	1.383	3.766	4.091	1.341	4.036	.8584	81.27	18.14
#2	1.002	1.383	3.772	4.119	1.340	4.044	.8580	81.31	18.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.1**	**23.73**	**17.67**	**12.57**	**.9343**	**.9326**	**.9146**	**4.797**	**.9352**
Stddev	.1	.04	.04	.02	.0031	.0015	.0003	.010	.0023
%RSD	.1071	.1868	.2278	.1242	.3330	.1611	.0354	.2144	.2465
#1	106.2	23.76	17.65	12.56	.9321	.9315	.9148	4.789	.9336
#2	106.0	23.70	17.70	12.58	.9365	.9336	.9144	4.804	.9368

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9942**	**1.925**	**-.0002**	**.0358**	**.0441**	**-.0044**	**.0498**
Stddev	.0010	.001	.0004	.0001	.0016	.0001	.0007
%RSD	.0966	.0272	216.4	.2550	3.703	1.548	1.502
#1	.9948	1.926	.0001	.0359	.0452	-.0043	.0493
#2	.9935	1.925	-.0004	.0358	.0429	-.0044	.0503

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108280.**	**14847.**	**2170.8**	**6709.3**
Stddev	181.	57.	1.9	.6
%RSD	.16674	.38721	.08772	.00833
#1	108410.	14806.	2172.1	6709.7
#2	108150.	14887.	2169.4	6708.9

Zoom In Zoom Out

Sample Name: jb68291-1 Acquired: 6/10/2014 22:15:53 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1836**	**.0018**	**.0017**	**.0207**	**.0495**	**.1257**	**1.416**	**.0480**	**-.0003**
Stddev	.0006	.0000	.0001	.0002	.0005	.0004	.001	.0000	.0000
%RSD	.3412	2.567	3.482	1.037	1.100	.2850	.0466	.0281	4.836
#1	.1841	.0018	.0017	.0206	.0499	.1254	1.417	.0480	-.0003
#2	.1832	.0017	.0018	.0209	.0491	.1259	1.416	.0480	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0709**	**.3431**	**.0112**	**-.0024**	**.3176**	**.0047**	**.0015**	**24.39**	**15.48**
Stddev	.0005	.0006	.0005	.0023	.0003	.0013	.0001	.04	.04
%RSD	.6642	.1875	4.073	98.32	.0957	26.90	6.080	.1462	.2694
#1	.0706	.3426	.0109	-.0007	.3173	.0056	.0015	24.42	15.45
#2	.0713	.3435	.0115	-.0040	.3178	.0038	.0014	24.37	15.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**59.14**	**10.83**	**4.804**	**.3454**	**.0223**	**-.0018**	**-.0060**	**3.203**	**.0162**
Stddev	.10	.03	.012	.0073	.0000	.0004	.0011	.011	.0006
%RSD	.1662	.2341	.2443	2.116	.0759	21.25	17.75	.3520	3.923
#1	59.07	10.82	4.813	.3506	.0223	-.0015	-.0052	3.195	.0167
#2	59.21	10.85	4.796	.3402	.0223	-.0020	-.0067	3.211	.0158

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0342**	**.9214**	**-.0075**	**.0215**	**.0415**	**-.0030**	**.0455**
Stddev	.0002	.0026	.0005	.0001	.0002	.0002	.0007
%RSD	.4571	.2823	6.682	.5236	.4419	6.849	1.637
#1	.0340	.9232	-.0072	.0214	.0414	-.0029	.0461
#2	.0343	.9196	-.0079	.0216	.0416	-.0031	.0450

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111480.**	**14883.**	**2198.7**	**6923.3**
Stddev	289.	59.	2.0	4.0
%RSD	.25954	.39317	.09012	.05785
#1	111270.	14924.	2200.1	6926.1
#2	111680.	14841.	2197.3	6920.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:22:05 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.019**	**2.017**	**2.026**	**2.042**	**2.009**	**2.079**	**2.049**	**.2439**
Stddev	.003	.002	.003	.004	.003	.002	.001	.004	.0006
%RSD	.1624	.1099	.1442	.1992	.1348	.0993	.0421	.1878	.2514
#1	2.040	2.021	2.015	2.024	2.044	2.008	2.078	2.046	.2434
#2	2.045	2.017	2.019	2.029	2.040	2.011	2.079	2.052	.2443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.057**	**2.002**	**2.122**	**2.052**	**2.031**	**2.007**	**39.92**	**40.21**
Stddev	.005	.000	.004	.005	.003	.001	.008	.03	.17
%RSD	.2615	.0081	.2227	.2534	.1318	.0575	.3849	.0819	.4168
#1	2.036	2.057	1.999	2.126	2.050	2.032	2.002	39.90	40.33
#2	2.044	2.057	2.005	2.118	2.054	2.031	2.013	39.94	40.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.15**	**39.21**	**41.08**	**40.82**	**2.025**	**2.042**	**2.001**	**5.007**	**2.062**
Stddev	.13	.19	.00	.05	.007	.005	.003	.008	.001
%RSD	.3216	.4878	.0107	.1223	.3351	.2642	.1313	.1681	.0443
#1	39.24	39.34	41.09	40.78	2.020	2.038	2.003	5.001	2.061
#2	39.06	39.07	41.08	40.85	2.030	2.046	1.999	5.013	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:22:05 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.037**	**1.868**	**2.015**	**1.986**	**2.013**	**2.040**
Stddev	.000	.002	.026	.001	.003	.004	.001
%RSD	.0134	.0810	1.400	.0456	.1354	.1772	.0541
#1	2.069	2.036	1.850	2.015	1.984	2.010	2.040
#2	2.069	2.038	1.887	2.016	1.987	2.016	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104800.**	**14421.**	**2101.0**	**6460.9**
Stddev	48.	57.	2.4	14.6
%RSD	.04539	.39455	.11485	.22665
#1	104760.	14381.	2102.7	6471.3
#2	104830.	14461.	2099.3	6450.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:28:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0003**	**.0005**	**.0005**	**.0002**	**.0004**	**.0003**	**.0002**
Stddev	.0000	.0001	.0003	.0002	.0002	.0003	.0000	.0000	.0002
%RSD	.1372	72.29	109.1	37.67	32.99	126.3	6.872	12.09	104.0
#1	.0004	.0001	.0004	.0007	.0004	.0000	.0004	.0004	.0000
#2	.0004	.0002	.0001	.0004	.0006	.0005	.0004	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0008**	**.0011**	**-.0004**	**.0005**	**.0005**	**.0093**	**-.0014**
Stddev	.0001	.0001	.0010	.0007	.0010	.0017	.0009	.0016	.0001
%RSD	20.02	28.88	128.1	65.11	247.0	332.6	185.9	16.89	8.514
#1	.0005	.0005	.0015	.0016	.0003	.0018	.0011	.0104	-.0015
#2	.0006	.0003	.0001	.0006	-.0011	-.0007	-.0001	.0082	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0065**	**.0250**	**.0357**	**.0130**	**.0007**	**.0018**	**.0003**	**.0032**	**-.0002**
Stddev	.0018	.0112	.0120	.0016	.0009	.0005	.0006	.0012	.0002
%RSD	28.30	44.78	33.64	12.50	115.3	29.84	193.7	39.17	75.90
#1	.0052	.0171	.0272	.0118	.0013	.0021	.0008	.0041	-.0004
#2	.0078	.0330	.0442	.0141	.0001	.0014	-.0001	.0023	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:28:08 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**.0098**	**.0010**	**.0007**	**.0006**	**.0008**
Stddev	.0001	.0004	.0017	.0001	.0008	.0003	.0003
%RSD	39.70	65.22	17.21	8.017	118.9	52.55	39.63
#1	.0002	.0003	.0110	.0010	.0001	.0004	.0010
#2	.0003	.0008	.0086	.0009	.0013	.0008	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111330.**	**14700.**	**2204.0**	**7223.2**
Stddev	295.	22.	4.9	3.2
%RSD	.26513	.15286	.22188	.04465
#1	111540.	14684.	2207.5	7225.5
#2	111120.	14716.	2200.6	7220.9

Zoom In Zoom Out

Sample Name: mp79946-sd1 Acquired: 6/10/2014 22:34:27 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1878**	**.0017**	**.0031**	**.0230**	**.0519**	**.1278**	**1.471**	**.0497**	**-.0014**
Stddev	.0005	.0001	.0010	.0004	.0004	.0014	.002	.0002	.0012
%RSD	.2774	3.685	32.14	1.612	.8150	1.075	.1500	.3049	80.80
#1	.1882	.0017	.0024	.0227	.0516	.1288	1.469	.0498	-.0022
#2	.1875	.0017	.0038	.0232	.0522	.1269	1.473	.0496	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0729**	**.3600**	**.0214**	**.0072**	**.3234**	**.0149**	**.0008**	**24.94**	**15.89**
Stddev	.0004	.0018	.0016	.0069	.0074	.0019	.0017	.01	.03
%RSD	.5138	.4929	7.575	96.00	2.293	12.88	211.4	.0314	.1880
#1	.0727	.3587	.0202	.0023	.3182	.0135	-.0004	24.94	15.91
#2	.0732	.3612	.0225	.0120	.3287	.0163	.0020	24.93	15.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**61.00**	**11.10**	**4.839**	**.3543**	**.0217**	**.0011**	**-.0049**	**3.322**	**.0217**
Stddev	.05	.01	.006	.0119	.0021	.0004	.0036	.005	.0011
%RSD	.0744	.0454	.1221	3.352	9.715	34.10	74.32	.1497	4.921
#1	60.97	11.10	4.835	.3459	.0232	.0008	-.0023	3.318	.0209
#2	61.04	11.11	4.844	.3627	.0202	.0014	-.0075	3.325	.0225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0346**	**.9411**	**.0106**	**.0196**	**.0584**	**.0008**	**.0464**
Stddev	.0001	.0010	.0075	.0001	.0034	.0007	.0016
%RSD	.4058	.1054	71.41	.6711	5.742	79.33	3.401
#1	.0345	.9404	.0159	.0197	.0561	.0013	.0453
#2	.0347	.9418	.0052	.0195	.0608	.0004	.0475

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111770.**	**14796.**	**2196.8**	**7113.7**
Stddev	33.	44.	4.5	3.1
%RSD	.02912	.29809	.20460	.04326
#1	111750.	14827.	2199.9	7115.9
#2	111790.	14765.	2193.6	7111.6

Zoom In Zoom Out

Sample Name: jb68291-2 Acquired: 6/10/2014 22:40:39 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2074**	**.0023**	**-.0001**	**.0294**	**.0577**	**.0704**	**1.935**	**.0565**	**-.0007**
Stddev	.0064	.0001	.0001	.0002	.0002	.0003	.004	.0004	.0007
%RSD	3.071	3.651	67.23	.7364	.3883	.4663	.2190	.6920	96.19
#1	.2029	.0022	-.0002	.0292	.0578	.0702	1.932	.0568	-.0012
#2	.2119	.0023	-.0001	.0295	.0575	.0706	1.938	.0562	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0824**	**.1565**	**.0124**	**-.0019**	**.0916**	**.0034**	**.0008**	**31.74**	**4.543**
Stddev	.0004	.0004	.0002	.0002	.0018	.0012	.0001	.95	.124
%RSD	.5176	.2500	2.005	10.16	1.942	36.24	10.24	3.003	2.732
#1	.0827	.1562	.0123	-.0021	.0904	.0025	.0009	31.07	4.456
#2	.0821	.1568	.0126	-.0018	.0929	.0043	.0008	32.42	4.631

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**69.66**	**11.96**	**5.773**	**2.543**	**.0271**	**-.0023**	**-.0076**	**3.851**	**.0147**
Stddev	2.14	.32	.177	.077	.0011	.0001	.0014	.014	.0006
%RSD	3.072	2.684	3.061	3.018	4.117	6.028	18.50	.3541	4.295
#1	68.15	11.73	5.648	2.489	.0263	-.0022	-.0066	3.841	.0142
#2	71.17	12.19	5.898	2.598	.0279	-.0024	-.0086	3.860	.0151

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0518**	**1.230**	**-.0049**	**.0236**	**.0571**	**-.0029**	**.0545**
Stddev	.0016	.003	.0010	.0002	.0026	.0004	.0002
%RSD	3.170	.2066	19.89	.8510	4.466	15.05	.4103
#1	.0506	1.228	-.0042	.0234	.0553	-.0026	.0543
#2	.0530	1.231	-.0056	.0237	.0590	-.0032	.0546

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110390.**	**15191.**	**2203.7**	**6878.5**
Stddev	18.	375.	10.4	23.4
%RSD	.01642	2.4652	.47140	.34022
#1	110380.	15456.	2211.1	6895.0
#2	110410.	14927.	2196.4	6861.9

Zoom In Zoom Out

Sample Name: jb68291-3 Acquired: 6/10/2014 22:46:48 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.907**	**.0049**	**.0282**	**.0678**	**.1720**	**2.570**	**4.392**	**.3562**	**.0094**
Stddev	.001	.0000	.0001	.0004	.0004	.005	.018	.0010	.0003
%RSD	.0632	.7733	.2517	.5247	.2613	.1850	.4124	.2789	2.860
#1	1.907	.0049	.0281	.0676	.1724	2.566	4.405	.3555	.0092
#2	1.906	.0049	.0282	.0681	.1717	2.573	4.379	.3569	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2445**	**4.056**	**.0948**	**-.0017**	**5.622**	**.0138**	**.0351**	**63.85**	**50.45**
Stddev	.0005	.004	.0005	.0002	.002	.0003	.0001	.05	.11
%RSD	.2078	.1068	.4796	10.31	.0385	2.021	.2998	.0718	.2190
#1	.2449	4.053	.0944	-.0015	5.620	.0136	.0350	63.88	50.37
#2	.2442	4.060	.0951	-.0018	5.623	.0140	.0352	63.82	50.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**173.1**	**17.89**	**7.283**	**4.796**	**.0694**	**.0008**	**-.0160**	**3.311**	**.4106**
Stddev	.3	.03	.009	.001	.0000	.0001	.0003	.001	.0007
%RSD	.1589	.1796	.1294	.0254	.0558	11.84	1.981	.0239	.1770
#1	172.9	17.87	7.290	4.795	.0694	.0008	-.0162	3.311	.4101
#2	173.3	17.91	7.277	4.796	.0694	.0007	-.0158	3.310	.4112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4933**	**3.678**	**.0229**	**.0603**	**1.576**	**-.0031**	**.0829**
Stddev	.0004	.003	.0012	.0006	.001	.0007	.0007
%RSD	.0797	.0916	5.206	.9774	.0893	21.07	.8349
#1	.4930	3.680	.0221	.0608	1.575	-.0036	.0824
#2	.4936	3.676	.0237	.0599	1.577	-.0027	.0834

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109000.**	**15020.**	**2169.6**	**6739.5**
Stddev	201.	24.	.4	4.7
%RSD	.18472	.15772	.02015	.06949
#1	108850.	15036.	2169.2	6736.2
#2	109140.	15003.	2169.9	6742.9

Zoom In Zoom Out

Sample Name: jb68291-4 Acquired: 6/10/2014 22:52:57 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5295**	**.0043**	**.0011**	**.0532**	**.1155**	**.4343**	**1.831**	**.1122**	**-.0004**
Stddev	.0001	.0000	.0001	.0002	.0002	.0019	.001	.0002	.0001
%RSD	.0234	.1478	9.037	.3890	.1307	.4318	.0460	.2135	20.38
#1	.5294	.0043	.0010	.0534	.1154	.4329	1.831	.1120	-.0004
#2	.5296	.0043	.0012	.0531	.1156	.4356	1.832	.1123	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1922**	**.8821**	**.0324**	**-.0024**	**1.672**	**.0054**	**.0049**	**55.26**	**68.48**
Stddev	.0004	.0000	.0007	.0009	.001	.0014	.0017	.09	.05
%RSD	.2237	.0016	2.184	35.02	.0285	25.64	34.45	.1661	.0677
#1	.1919	.8821	.0319	-.0030	1.673	.0064	.0037	55.20	68.51
#2	.1925	.8821	.0329	-.0018	1.672	.0044	.0062	55.33	68.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**141.9**	**29.11**	**7.509**	**7.504**	**.0554**	**-.0032**	**-.0167**	**3.333**	**.0777**
Stddev	.3	.02	.021	.024	.0000	.0002	.0001	.004	.0006
%RSD	.1842	.0752	.2784	.3212	.0506	5.209	.7582	.1076	.7801
#1	141.7	29.09	7.494	7.487	.0554	-.0033	-.0166	3.335	.0782
#2	142.0	29.12	7.523	7.521	.0555	-.0031	-.0168	3.330	.0773

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2858**	**3.410**	**.0038**	**.0474**	**2.479**	**-.0078**	**.0979**
Stddev	.0004	.001	.0007	.0000	.004	.0004	.0002
%RSD	.1279	.0390	18.34	.0765	.1760	5.409	.1820
#1	.2856	3.409	.0043	.0474	2.482	-.0081	.0980
#2	.2861	3.411	.0033	.0474	2.476	-.0075	.0978

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111650.**	**15379.**	**2215.8**	**6632.0**
Stddev	249.	28.	1.3	7.3
%RSD	.22265	.18300	.05768	.11048
#1	111830.	15399.	2216.7	6637.2
#2	111470.	15359.	2214.9	6626.8

Zoom In Zoom Out

Sample Name: jb68334-1 Acquired: 6/10/2014 22:59:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9045**	**.0052**	**.0283**	**.0636**	**.3893**	**.6828**	**3.369**	**1.607**	**-.0035**
Stddev	.0001	.0000	.0009	.0021	.0006	.0018	.003	.048	.0002
%RSD	.0162	.1853	3.253	3.326	.1556	.2577	.0963	3.005	5.139
#1	.9046	.0052	.0289	.0651	.3897	.6840	3.371	1.641	-.0033
#2	.9044	.0052	.0276	.0621	.3888	.6815	3.366	1.573	-.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4504**	**3.320**	**.0406**	**-.0116**	**2.876**	**.0053**	**.0093**	**73.10**	**326.6**
Stddev	.0001	.103	.0001	.0036	.088	.0003	.0000	.00	1.5
%RSD	.0203	3.093	.3125	30.78	3.051	6.456	.1450	.0022	.4486
#1	.4505	3.393	.0407	-.0141	2.938	.0050	.0093	73.10	325.6
#2	.4503	3.247	.0405	-.0091	2.814	.0055	.0093	73.10	327.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**175.7**	**183.4**	**17.38**	**7.565**	**.0911**	**.0132**	**-.0233**	**2.734**	**.0450**
Stddev	.1	.7	.00	.003	.0028	.0008	.0004	.113	.0005
%RSD	.0329	.3881	.0126	.0395	3.035	6.151	1.932	4.132	1.171
#1	175.7	182.9	17.38	7.567	.0931	.0138	-.0236	2.814	.0447
#2	175.8	183.9	17.38	7.563	.0892	.0126	-.0230	2.654	.0454

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7706**	**3.893**	**.0197**	**.0355**	**6.267**	**-.0011**	**.1148**
Stddev	.0013	.004	.0009	.0002	.198	.0003	.0004
%RSD	.1624	.0992	4.762	.5158	3.151	26.54	.3847
#1	.7714	3.895	.0204	.0354	6.407	-.0009	.1151
#2	.7697	3.890	.0190	.0357	6.127	-.0013	.1145

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102930.**	**14721.**	**2024.8**	**6030.2**
Stddev	63.	39.	52.3	152.2
%RSD	.06092	.26519	2.5818	2.5236
#1	102890.	14749.	1987.8	5922.6
#2	102970.	14694.	2061.8	6137.8

Zoom In Zoom Out

Sample Name: jb68350-1 Acquired: 6/10/2014 23:05:14 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8982**	**.0046**	**.0038**	**.0607**	**.1585**	**.4290**	**2.830**	**.1496**	**-.0015**
Stddev	.0005	.0000	.0001	.0005	.0005	.0012	.007	.0003	.0003
%RSD	.0602	.5777	2.926	.7880	.3394	.2749	.2612	.1921	20.59
#1	.8985	.0045	.0039	.0603	.1589	.4298	2.835	.1498	-.0018
#2	.8978	.0046	.0037	.0610	.1582	.4281	2.825	.1494	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2330**	**.9584**	**.0985**	**-.0086**	**1.187**	**.0123**	**.0018**	**73.07**	**422.7**
Stddev	.0007	.0020	.0008	.0070	.001	.0002	.0016	.04	1.2
%RSD	.2868	.2076	.8139	81.26	.0677	1.609	88.95	.0496	.2844
#1	.2335	.9598	.0979	-.0037	1.186	.0122	.0030	73.09	421.8
#2	.2326	.9570	.0990	-.0136	1.187	.0125	.0007	73.04	423.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**134.9**	**125.3**	**12.47**	**3.504**	**.0311**	**.0003**	**-.0231**	**3.916**	**.0498**
Stddev	.2	.1	.01	.004	.0006	.0001	.0008	.002	.0001
%RSD	.1676	.1143	.1144	.1137	1.944	31.86	3.585	.0464	.1028
#1	134.7	125.2	12.46	3.507	.0307	.0002	-.0226	3.917	.0499
#2	135.1	125.4	12.48	3.501	.0315	.0004	-.0237	3.915	.0498

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5744**	**3.058**	**-.0006**	**.0300**	**3.704**	**-.0015**	**.1108**
Stddev	.0007	.003	.0000	.0003	.000	.0005	.0000
%RSD	.1167	.0889	5.388	1.101	.0099	32.04	.0314
#1	.5739	3.060	-.0006	.0298	3.705	-.0012	.1108
#2	.5749	3.056	-.0006	.0303	3.704	-.0019	.1108

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102850.**	**14598.**	**2040.9**	**5993.8**
Stddev	261.	42.	.8	2.0
%RSD	.25353	.28772	.03942	.03419
#1	102660.	14628.	2041.4	5995.3
#2	103030.	14569.	2040.3	5992.4

Zoom In Zoom Out

Sample Name: jb68350-2 Acquired: 6/10/2014 23:11:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3352**	**.0029**	**.0022**	**.0438**	**.0875**	**.3363**	**1.814**	**.1044**	**-.0014**
Stddev	.0006	.0001	.0000	.0002	.0004	.0001	.002	.0004	.0001
%RSD	.1882	2.353	.2848	.5128	.4404	.0444	.0804	.3489	6.954
#1	.3348	.0029	.0022	.0439	.0872	.3364	1.815	.1047	-.0013
#2	.3357	.0028	.0022	.0436	.0878	.3362	1.813	.1041	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2709**	**.5941**	**.0522**	**-.0033**	**.9072**	**.0079**	**.0010**	**44.52**	**226.6**
Stddev	.0001	.0011	.0007	.0046	.0012	.0000	.0001	.08	.7
%RSD	.0502	.1823	1.396	139.1	.1355	.3826	13.42	.1735	.3093
#1	.2710	.5933	.0517	-.0065	.9063	.0079	.0009	44.47	227.1
#2	.2708	.5949	.0527	-.0001	.9080	.0078	.0011	44.58	226.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**107.4**	**127.5**	**9.125**	**3.135**	**.1703**	**-.0009**	**-.0169**	**3.059**	**.0325**
Stddev	.1	.2	.033	.004	.0008	.0003	.0004	.003	.0003
%RSD	.0655	.1469	.3571	.1327	.4545	29.57	2.233	.1017	.7745
#1	107.3	127.4	9.102	3.132	.1698	-.0011	-.0172	3.057	.0323
#2	107.4	127.6	9.148	3.138	.1709	-.0007	-.0166	3.062	.0327

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2198**	**3.235**	**-.0050**	**.0260**	**6.457**	**-.0012**	**.0668**
Stddev	.0000	.002	.0006	.0000	.020	.0009	.0009
%RSD	.0029	.0655	12.21	.0843	.3156	72.26	1.359
#1	.2198	3.237	-.0046	.0261	6.471	-.0019	.0674
#2	.2198	3.234	-.0054	.0260	6.442	-.0006	.0661

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104700.**	**14612.**	**2075.7**	**6196.2**
Stddev	42.	15.	2.8	6.7
%RSD	.04049	.10009	.13409	.10749
#1	104670.	14622.	2077.7	6200.9
#2	104730.	14601.	2073.7	6191.5

Zoom In Zoom Out

Sample Name: jb68362-3 Acquired: 6/10/2014 23:17:38 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1808**	**.0008**	**.0005**	**.0049**	**.0316**	**.0300**	**.1644**	**.0157**	**-.0001**
Stddev	.0004	.0000	.0001	.0001	.0002	.0002	.0000	.0001	.0003
%RSD	.2337	.9129	12.58	1.554	.6417	.7981	.0291	.9157	590.3
#1	.1811	.0008	.0004	.0050	.0315	.0298	.1644	.0158	-.0003
#2	.1805	.0008	.0005	.0048	.0318	.0302	.1644	.0156	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0360**	**.2807**	**.0098**	**.0011**	**.1481**	**.0055**	**.0004**	**34.05**	**1.424**
Stddev	.0004	.0536	.0004	.0008	.0015	.0005	.0005	.01	.003
%RSD	1.195	19.09	3.625	73.18	1.023	8.153	109.2	.0288	.1894
#1	.0356	.3185	.0095	.0016	.1492	.0052	.0008	34.04	1.426
#2	.0363	.2428	.0100	.0005	.1470	.0058	.0001	34.06	1.422

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.09**	**1.787**	**1.030**	**1.368**	**.0030**	**-.0007**	**-.0036**	**3.524**	**.0119**
Stddev	.00	.024	.000	.006	.0017	.0000	.0001	.024	.0001
%RSD	.0104	1.338	.0060	.4684	55.72	1.216	3.071	.6655	1.095
#1	20.09	1.771	1.030	1.363	.0042	-.0007	-.0035	3.507	.0118
#2	20.09	1.804	1.030	1.373	.0018	-.0007	-.0037	3.540	.0120

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0129**	**.4692**	**-.0105**	**.0096**	**.1217**	**-.0018**	**.0169**
Stddev	.0001	.0014	.0009	.0001	.0176	.0001	.0004
%RSD	.7874	.3006	8.134	.7473	14.45	5.142	2.492
#1	.0129	.4682	-.0099	.0096	.1342	-.0019	.0172
#2	.0128	.4702	-.0111	.0097	.1093	-.0018	.0166

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111920.**	**14840.**	**2215.1**	**7002.3**
Stddev	10.	75.	19.0	31.0
%RSD	.00904	.50373	.85917	.44203
#1	111910.	14893.	2228.5	7024.1
#2	111930.	14787.	2201.6	6980.4

Zoom In Zoom Out

Sample Name: jb68362-4 Acquired: 6/10/2014 23:23:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1366**	**.0007**	**.0002**	**.0068**	**.0346**	**.0185**	**.0819**	**.0304**	**.0001**
Stddev	.0000	.0000	.0001	.0000	.0004	.0002	.0000	.0000	.0001
%RSD	.0303	4.984	56.26	.2131	1.217	1.022	.0496	.1226	121.5
#1	.1366	.0007	.0001	.0068	.0349	.0183	.0819	.0303	.0000
#2	.1366	.0007	.0002	.0068	.0343	.0186	.0818	.0304	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0326**	**.0799**	**.0051**	**.0011**	**.0247**	**.0040**	**.0006**	**47.66**	**2.281**
Stddev	.0003	.0005	.0006	.0006	.0005	.0013	.0005	.06	.008
%RSD	.8395	.6166	11.21	52.43	2.075	33.21	83.23	.1194	.3602
#1	.0328	.0796	.0055	.0007	.0243	.0031	.0010	47.62	2.275
#2	.0324	.0803	.0047	.0015	.0250	.0049	.0002	47.70	2.287

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.79**	**1.221**	**1.210**	**1.149**	**.0024**	**-.0005**	**-.0026**	**3.395**	**.0123**
Stddev	.02	.005	.015	.005	.0002	.0003	.0002	.001	.0005
%RSD	.2238	.4526	1.219	.4732	7.509	55.51	6.462	.0177	3.783
#1	10.77	1.217	1.220	1.153	.0026	-.0006	-.0028	3.395	.0120
#2	10.81	1.225	1.199	1.145	.0023	-.0003	-.0025	3.396	.0126

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0150**	**.6090**	**-.0143**	**.0164**	**.0925**	**-.0015**	**.0134**
Stddev	.0000	.0003	.0004	.0001	.0035	.0002	.0003
%RSD	.3057	.0526	2.500	.4617	3.796	15.60	2.514
#1	.0150	.6088	-.0140	.0164	.0950	-.0013	.0131
#2	.0150	.6092	-.0145	.0165	.0900	-.0017	.0136

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111140.**	**14770.**	**2234.3**	**6999.4**
Stddev	46.	43.	3.2	3.1
%RSD	.04167	.29354	.14302	.04469
#1	111100.	14801.	2236.6	7001.6
#2	111170.	14740.	2232.1	6997.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:30:03 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.013**	**2.026**	**2.028**	**2.038**	**1.983**	**2.061**	**2.048**	**.2425**
Stddev	.004	.004	.003	.001	.001	.004	.003	.000	.0005
%RSD	.2156	.1915	.1237	.0524	.0466	.1773	.1581	.0125	.2033
#1	2.036	2.016	2.024	2.027	2.039	1.986	2.063	2.048	.2429
#2	2.029	2.010	2.028	2.028	2.037	1.981	2.058	2.048	.2422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.060**	**2.006**	**2.121**	**2.045**	**2.027**	**2.003**	**39.61**	**40.17**
Stddev	.003	.003	.003	.002	.003	.003	.001	.12	.11
%RSD	.1411	.1477	.1238	.1136	.1673	.1226	.0462	.2947	.2615
#1	2.010	2.062	2.004	2.122	2.048	2.028	2.002	39.69	40.25
#2	2.006	2.058	2.008	2.119	2.043	2.025	2.004	39.52	40.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.09**	**39.17**	**40.96**	**40.59**	**2.028**	**2.039**	**1.990**	**5.007**	**2.069**
Stddev	.06	.15	.12	.12	.004	.001	.002	.004	.002
%RSD	.1447	.3840	.3025	.2986	.2026	.0685	.0969	.0805	.1181
#1	39.13	39.28	41.05	40.68	2.025	2.038	1.992	5.005	2.067
#2	39.05	39.06	40.88	40.50	2.030	2.040	1.989	5.010	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:30:03 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.022**	**1.883**	**2.012**	**1.976**	**2.010**	**2.039**
Stddev	.004	.004	.027	.001	.002	.002	.007
%RSD	.1902	.1886	1.428	.0394	.1075	.1165	.3508
#1	2.071	2.025	1.864	2.013	1.977	2.009	2.044
#2	2.066	2.020	1.902	2.012	1.974	2.012	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105500.**	**14383.**	**2098.0**	**6476.6**
Stddev	193.	33.	3.7	7.7
%RSD	.18252	.22924	.17833	.11920
#1	105370.	14360.	2100.6	6482.0
#2	105640.	14406.	2095.3	6471.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:36:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0008**	F **.0011**	**.0011**	**.0009**	**.0010**	**.0012**	F **.0011**	**.0001**
Stddev	.0002	.0002	.0003	.0003	.0002	.0001	.0001	.0001	.0000
%RSD	19.60	21.22	28.34	23.50	19.24	13.44	4.715	8.503	8.973
#1	.0010	.0007	.0013	.0013	.0008	.0011	.0012	.0012	.0001
#2	.0013	.0009	.0008	.0010	.0010	.0009	.0013	.0010	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0011**	**.0015**	F **.0032**	**.0011**	**.0008**	**.0010**	**.0186**	**.0211**
Stddev	.0002	.0003	.0012	.0015	.0002	.0001	.0002	.0091	.0016
%RSD	17.65	25.19	82.21	47.52	18.08	14.96	21.68	48.73	7.522
#1	.0011	.0013	.0023	.0021	.0012	.0009	.0012	.0122	.0222
#2	.0014	.0009	.0006	.0043	.0009	.0008	.0009	.0250	.0200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0020					
Low Limit				-.0020					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0195**	**.0316**	**.0584**	**.0209**	**.0013**	F **.0024**	**.0005**	**.0051**	**.0007**
Stddev	.0041	.0229	.0002	.0028	.0010	.0004	.0002	.0008	.0000
%RSD	20.99	72.51	.3768	13.34	80.41	15.70	40.60	15.25	6.907
#1	.0166	.0478	.0583	.0190	.0020	.0026	.0004	.0057	.0007
#2	.0224	.0154	.0586	.0229	.0006	.0021	.0007	.0046	.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:36:06 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	F **.0014**	F **.0130**	F **.0015**	**.0019**	**.0010**	**.0014**
Stddev	.0001	.0001	.0022	.0001	.0004	.0003	.0008
%RSD	12.54	5.209	16.56	5.723	20.62	30.72	56.74
#1	.0008	.0013	.0145	.0016	.0016	.0012	.0020
#2	.0010	.0014	.0115	.0015	.0021	.0008	.0008
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112180.**	**14579.**	**2208.8**	**7248.9**
Stddev	221.	57.	1.5	1.6
%RSD	.19697	.38935	.06613	.02184
#1	112340.	14619.	2207.7	7250.0
#2	112030.	14539.	2209.8	7247.7

Zoom In Zoom Out

Sample Name: jb68458-1 Acquired: 6/10/2014 23:42:24 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2980**	**.0070**	**.0013**	**.0747**	**.2538**	**.0873**	**1.873**	**.2219**	**-.0022**
Stddev	.0003	.0001	.0003	.0003	.0001	.0008	.000	.0003	.0003
%RSD	.1152	.8323	24.53	.4124	.0415	.9264	.0046	.1382	15.88
#1	.2982	.0070	.0011	.0750	.2539	.0868	1.873	.2217	-.0019
#2	.2977	.0070	.0016	.0745	.2537	.0879	1.873	.2222	-.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4469**	**.5020**	**.0326**	**-.0221**	**.1239**	**.0090**	**.0016**	**151.0**	**26.39**
Stddev	.0008	.0001	.0010	.0036	.0009	.0010	.0001	.4	.02
%RSD	.1884	.0225	2.924	16.19	.7158	11.51	4.876	.2444	.0633
#1	.4463	.5020	.0319	-.0247	.1233	.0097	.0015	151.3	26.40
#2	.4475	.5021	.0333	-.0196	.1245	.0083	.0016	150.8	26.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**182.7**	**57.41**	**33.43**	**20.42**	**.2719**	**.0963**	**-.0187**	**2.877**	**.0169**
Stddev	.1	.15	.07	.06	.0004	.0004	.0005	.002	.0012
%RSD	.0591	.2586	.2157	.2856	.1644	.4066	2.836	.0768	7.313
#1	182.7	57.52	33.48	20.46	.2723	.0966	-.0184	2.878	.0160
#2	182.8	57.31	33.38	20.38	.2716	.0960	-.0191	2.875	.0178

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3000**	**2.623**	**.0138**	**.0958**	**109.4**	**-.0046**	**.3943**
Stddev	.0003	.001	.0010	.0010	.2	.0004	.0008
%RSD	.0991	.0287	7.529	1.032	.1520	8.713	.2028
#1	.3002	2.623	.0145	.0965	109.5	-.0049	.3938
#2	.2998	2.624	.0131	.0951	109.3	-.0043	.3949

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112280.**	**15516.**	**2244.3**	**6554.5**
Stddev	102.	5.	.9	5.4
%RSD	.09041	.03072	.04202	.08200
#1	112210.	15519.	2243.6	6558.3
#2	112350.	15512.	2244.9	6550.7

Zoom In Zoom Out

Sample Name: jb68458-2 Acquired: 6/10/2014 23:48:30 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3850**	**.0059**	**.0008**	**.0674**	**.3049**	**.2306**	**2.578**	**.2316**	**-.0084**
Stddev	.0009	.0000	.0002	.0002	.0011	.0001	.002	.0002	.0006
%RSD	.2275	.1447	25.83	.2828	.3533	.0262	.0650	.0747	7.475
#1	.3844	.0059	.0007	.0675	.3041	.2306	2.577	.2315	-.0089
#2	.3857	.0059	.0010	.0673	.3057	.2307	2.579	.2317	-.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3657**	**.6054**	**.0865**	**-.0220**	**.5841**	**.0056**	**.0033**	**160.5**	**34.82**
Stddev	.0005	.0004	.0009	.0008	.0014	.0023	.0008	.5	.06
%RSD	.1464	.0638	1.051	3.693	.2438	41.39	24.46	.3189	.1690
#1	.3661	.6056	.0872	-.0215	.5831	.0073	.0027	160.2	34.78
#2	.3653	.6051	.0859	-.0226	.5851	.0040	.0039	160.9	34.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**376.3**	**57.47**	**32.90**	**7.981**	**.2169**	**-.0038**	**-.0261**	**10.81**	**.0346**
Stddev	3.1	.13	.12	.022	.0003	.0002	.0007	.00	.0008
%RSD	.8115	.2247	.3766	.2810	.1577	4.907	2.677	.0121	2.376
#1	374.1	57.37	32.81	7.965	.2172	-.0036	-.0256	10.81	.0340
#2	378.5	57.56	32.98	7.997	.2167	-.0039	-.0266	10.81	.0352

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3802**	**3.810**	**.0217**	**.0962**	**13.30**	**-.0026**	**.3423**
Stddev	.0000	.000	.0017	.0002	.02	.0004	.0001
%RSD	.0128	.0020	7.903	.1886	.1489	16.62	.0224
#1	.3802	3.810	.0229	.0960	13.29	-.0023	.3423
#2	.3801	3.811	.0205	.0963	13.32	-.0030	.3424

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107050.**	**14880.**	**2132.4**	**6700.9**
Stddev	59.	63.	.3	2.0
%RSD	.05504	.42085	.01393	.03054
#1	107010.	14924.	2132.6	6702.4
#2	107100.	14836.	2132.2	6699.5

Zoom In Zoom Out

Sample Name: jb68458-5 Acquired: 6/10/2014 23:54:41 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3433**	**.0095**	**.0016**	**.1074**	**.3054**	**.1157**	**3.554**	**.2714**	**-.0053**
Stddev	.0007	.0000	.0002	.0002	.0009	.0003	.006	.0003	.0002
%RSD	.2110	.5231	13.73	.1739	.2811	.2604	.1739	.1240	4.654
#1	.3438	.0095	.0017	.1073	.3048	.1159	3.550	.2712	-.0055
#2	.3428	.0096	.0014	.1076	.3060	.1154	3.558	.2716	-.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3780**	**.7307**	**.0989**	**-.0306**	**.1415**	**.0072**	**.0037**	**168.3**	**20.61**
Stddev	.0007	.0010	.0006	.0016	.0001	.0013	.0012	.6	.00
%RSD	.1932	.1303	.6185	5.390	.0663	18.65	31.98	.3296	.0129
#1	.3786	.7300	.0993	-.0294	.1416	.0081	.0029	168.7	20.61
#2	.3775	.7313	.0984	-.0317	.1415	.0062	.0045	167.9	20.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**300.4**	**70.39**	**37.35**	**23.38**	**.2321**	**.0350**	**-.0236**	**3.978**	**.0182**
Stddev	.1	.01	.09	.07	.0014	.0001	.0005	.020	.0003
%RSD	.0347	.0078	.2452	.2891	.5956	.2140	2.255	.4934	1.910
#1	300.3	70.38	37.41	23.43	.2312	.0350	-.0232	3.964	.0179
#2	300.4	70.39	37.28	23.33	.2331	.0349	-.0240	3.991	.0184

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2477**	**3.313**	**.0152**	**.1255**	**173.7**	**-.0028**	**.3629**
Stddev	.0002	.007	.0008	.0001	1.0	.0003	.0007
%RSD	.0754	.2167	5.019	.0614	.5582	9.309	.1973
#1	.2476	3.308	.0146	.1256	173.1	-.0030	.3634
#2	.2478	3.318	.0157	.1255	174.4	-.0026	.3623

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112630.**	**15505.**	**2245.7**	**6631.2**
Stddev	125.	17.	3.8	1.1
%RSD	.11102	.10892	.16801	.01709
#1	112720.	15493.	2248.3	6632.0
#2	112540.	15517.	2243.0	6630.4

Zoom In Zoom Out

Sample Name: jb68458-6 Acquired: 6/11/2014 0:00:52 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3569**	**.0100**	**.0019**	**.1088**	**.3206**	**.1197**	**3.545**	**.2761**	**-.0074**
Stddev	.0006	.0000	.0001	.0008	.0011	.0003	.004	.0003	.0001
%RSD	.1656	.2666	3.048	.7282	.3509	.2882	.1065	.1217	.6896
#1	.3573	.0100	.0019	.1094	.3213	.1194	3.548	.2764	-.0074
#2	.3565	.0100	.0019	.1083	.3198	.1199	3.542	.2759	-.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4047**	**.8318**	**.1104**	**-.0332**	**.1504**	**.0045**	**.0048**	**173.8**	**21.78**
Stddev	.0002	.0010	.0010	.0005	.0004	.0009	.0006	.3	.08
%RSD	.0415	.1190	.8763	1.620	.2504	19.43	12.07	.1898	.3770
#1	.4046	.8325	.1097	-.0328	.1506	.0051	.0052	174.1	21.84
#2	.4048	.8311	.1111	-.0336	.1501	.0039	.0043	173.6	21.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**333.1**	**72.93**	**38.64**	**24.64**	**.2388**	**.0404**	**-.0281**	**4.311**	**.0199**
Stddev	2.7	.44	.08	.05	.0004	.0004	.0011	.020	.0011
%RSD	.8174	.6061	.2146	.1957	.1622	.9405	3.893	.4621	5.276
#1	335.0	73.25	38.70	24.68	.2385	.0401	-.0289	4.297	.0207
#2	331.1	72.62	38.58	24.61	.2391	.0407	-.0273	4.325	.0192

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2601**	**3.573**	**.0141**	**.1374**	**208.9**	**-.0040**	**.3768**
Stddev	.0001	.006	.0003	.0001	1.1	.0011	.0006
%RSD	.0514	.1602	2.207	.1055	.5273	26.26	.1632
#1	.2600	3.577	.0139	.1375	208.1	-.0033	.3772
#2	.2602	3.569	.0143	.1373	209.7	-.0048	.3764

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112560.**	**15627.**	**2252.7**	**6659.7**
Stddev	36.	81.	4.6	4.3
%RSD	.03167	.51611	.20455	.06527
#1	112580.	15570.	2256.0	6662.8
#2	112530.	15684.	2249.5	6656.6

Zoom In Zoom Out

Sample Name: jb68561-1 Acquired: 6/11/2014 0:07:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1210**	**.0028**	**.0015**	**.0414**	**.0764**	**.1126**	**4.569**	**.0659**	**-.0011**
Stddev	.0003	.0001	.0001	.0001	.0004	.0003	.009	.0003	.0001
%RSD	.2843	2.016	3.594	.1921	.5884	.2345	.2023	.4961	10.55
#1	.1212	.0028	.0015	.0414	.0761	.1128	4.576	.0657	-.0011
#2	.1207	.0028	.0016	.0413	.0767	.1124	4.563	.0662	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1530**	**.1506**	**.0127**	**-.0035**	**.0146**	**.0046**	**-.0002**	**30.20**	**8.377**
Stddev	.0002	.0005	.0001	.0015	.0008	.0000	.0001	.03	.030
%RSD	.1429	.3427	.8219	42.01	5.780	.9011	44.92	.1091	.3548
#1	.1528	.1502	.0128	-.0046	.0140	.0046	-.0003	30.18	8.398
#2	.1531	.1509	.0127	-.0025	.0152	.0047	-.0001	30.23	8.356

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.77**	**11.94**	**3.947**	**.6791**	**.0020**	**-.0043**	**-.0103**	**2.691**	**.0151**
Stddev	.05	.08	.002	.0031	.0004	.0001	.0005	.003	.0000
%RSD	.0482	.6439	.0604	.4584	18.78	3.059	4.437	.1000	.0887
#1	99.74	11.99	3.949	.6813	.0022	-.0042	-.0100	2.689	.0151
#2	99.81	11.88	3.945	.6769	.0017	-.0044	-.0106	2.693	.0151

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0523**	**1.919**	**-.0055**	**.0167**	**.0645**	**-.0044**	**.0340**
Stddev	.0001	.001	.0001	.0002	.0009	.0001	.0002
%RSD	.2519	.0620	2.257	1.225	1.397	2.111	.5618
#1	.0524	1.920	-.0054	.0169	.0651	-.0043	.0338
#2	.0522	1.918	-.0056	.0166	.0638	-.0044	.0341

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**114230.**	**15305.**	**2276.4**	**6959.7**
Stddev	44.	7.	6.7	11.9
%RSD	.03880	.04882	.29441	.17125
#1	114260.	15311.	2281.1	6968.2
#2	114200.	15300.	2271.6	6951.3

Zoom In Zoom Out

Sample Name: jb68561-3 Acquired: 6/11/2014 0:13:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1107**	**.0024**	**.0110**	**.0333**	**.1686**	**.2228**	**.5666**	**.0489**	**-.0012**
Stddev	.0003	.0000	.0001	.0001	.0005	.0006	.0007	.0002	.0004
%RSD	.2685	1.347	.6650	.3904	.2768	.2669	.1163	.4791	31.19
#1	.1109	.0024	.0109	.0334	.1689	.2232	.5671	.0490	-.0015
#2	.1105	.0024	.0110	.0332	.1682	.2223	.5662	.0487	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1578**	**1.742**	**.0132**	**-.0023**	**.0459**	**.0013**	**-.0001**	**29.07**	**9.967**
Stddev	.0004	.001	.0002	.0004	.0008	.0002	.0002	.03	.016
%RSD	.2767	.0612	1.252	18.30	1.842	14.41	161.4	.0979	.1590
#1	.1581	1.741	.0130	-.0026	.0453	.0012	-.0003	29.05	9.978
#2	.1575	1.742	.0133	-.0020	.0465	.0015	.0000	29.09	9.955

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**102.8**	**10.37**	**3.754**	**.7645**	**.0025**	**-.0048**	**-.0102**	**2.637**	**.0340**
Stddev	.1	.01	.022	.0048	.0004	.0001	.0000	.002	.0005
%RSD	.0698	.0826	.5938	.6226	14.11	1.129	.3416	.0838	1.520
#1	102.9	10.38	3.739	.7679	.0028	-.0048	-.0103	2.639	.0344
#2	102.8	10.37	3.770	.7611	.0023	-.0049	-.0102	2.635	.0337

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1412**	**1.764**	**-.0016**	**.0164**	**.1507**	**-.0025**	**.0353**
Stddev	.0000	.004	.0009	.0001	.0007	.0000	.0001
%RSD	.0201	.2229	59.63	.4986	.4689	.4607	.1780
#1	.1412	1.767	-.0009	.0165	.1502	-.0025	.0352
#2	.1411	1.761	-.0023	.0164	.1512	-.0025	.0353

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**113450.**	**15153.**	**2255.6**	**6962.7**
Stddev	274.	2.	1.0	2.6
%RSD	.24175	.01293	.04455	.03725
#1	113260.	15155.	2256.4	6960.9
#2	113650.	15152.	2254.9	6964.5

Zoom In Zoom Out

Sample Name: jb68561-5 Acquired: 6/11/2014 0:19:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1238**	**.0031**	**.0019**	**.0421**	**.0915**	**.1026**	**1.012**	**.0694**	**-.0012**
Stddev	.0003	.0000	.0000	.0001	.0001	.0004	.003	.0001	.0000
%RSD	.2744	1.249	2.072	.2189	.0967	.3453	.3329	.0731	1.922
#1	.1240	.0031	.0019	.0421	.0915	.1028	1.015	.0694	-.0012
#2	.1236	.0031	.0019	.0422	.0914	.1023	1.010	.0693	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2045**	**.1426**	**.0158**	**-.0033**	**.0186**	**.0051**	**.0000**	**40.13**	**9.131**
Stddev	.0008	.0000	.0002	.0014	.0006	.0012	.000	.02	.002
%RSD	.3929	.0069	1.173	44.42	3.055	23.49	2554.	.0487	.0175
#1	.2050	.1426	.0159	-.0022	.0191	.0060	-.0001	40.12	9.132
#2	.2039	.1426	.0157	-.0043	.0182	.0043	.0001	40.14	9.130

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.4**	**14.79**	**4.861**	**.8083**	**.0019**	**-.0049**	**-.0139**	**2.786**	**.0177**
Stddev	.1	.01	.024	.0031	.0001	.0000	.0004	.008	.0003
%RSD	.0695	.0834	.4980	.3864	4.275	.5840	2.868	.2728	1.888
#1	126.4	14.78	4.878	.8061	.0018	-.0049	-.0136	2.780	.0175
#2	126.3	14.80	4.844	.8105	.0020	-.0049	-.0142	2.791	.0179

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0349**	**2.524**	**-.0058**	**.0234**	**.0927**	**-.0072**	**.0476**
Stddev	.0001	.008	.0001	.0001	.0021	.0005	.0004
%RSD	.2447	.3257	1.422	.3522	2.288	6.531	.8801
#1	.0350	2.530	-.0057	.0235	.0942	-.0076	.0479
#2	.0349	2.518	-.0058	.0234	.0912	-.0069	.0473

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**114270.**	**15200.**	**2259.9**	**6911.5**
Stddev	339.	30.	4.5	6.0
%RSD	.29650	.19429	.19910	.08748
#1	114030.	15221.	2263.0	6915.8
#2	114510.	15180.	2256.7	6907.2

Zoom In Zoom Out

Sample Name: jb68772-1 Acquired: 6/11/2014 0:25:32 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4752**	**.0067**	**.0006**	**.0928**	**.1456**	**.1551**	**4.474**	**.1729**	**-.0021**
Stddev	.0007	.0001	.0003	.0006	.0002	.0006	.021	.0002	.0004
%RSD	.1553	.9357	48.26	.6418	.1136	.4036	.4777	.1365	18.05
#1	.4747	.0066	.0004	.0924	.1455	.1546	4.458	.1727	-.0024
#2	.4757	.0067	.0008	.0933	.1457	.1555	4.489	.1730	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1968**	**.5425**	**.1152**	**-.0078**	**.1530**	**.0052**	**.0027**	**114.2**	**4.251**
Stddev	.0003	.0027	.0004	.0008	.0018	.0014	.0016	.3	.003
%RSD	.1311	.4969	.3640	10.94	1.184	26.05	57.29	.2338	.0707
#1	.1966	.5406	.1155	-.0072	.1518	.0062	.0016	114.1	4.253
#2	.1970	.5444	.1149	-.0084	.1543	.0043	.0038	114.4	4.249

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**234.9**	**19.44**	**12.57**	**.3688**	**.0192**	**-.0085**	**-.0192**	**5.027**	**.0159**
Stddev	.9	.08	.02	.0046	.0005	.0001	.0001	.003	.0007
%RSD	.3680	.4087	.1735	1.237	2.634	.8910	.3881	.0668	4.114
#1	234.3	19.38	12.55	.3720	.0196	-.0084	-.0192	5.025	.0155
#2	235.5	19.49	12.58	.3655	.0188	-.0085	-.0193	5.030	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0762**	**1.593**	**.0050**	**.0850**	**.8271**	**-.0044**	**.2031**
Stddev	.0002	.002	.0005	.0000	.0015	.0011	.0006
%RSD	.2010	.1355	10.06	.0329	.1853	24.54	.2799
#1	.0761	1.591	.0046	.0850	.8260	-.0036	.2027
#2	.0763	1.594	.0053	.0850	.8282	-.0052	.2035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109400.**	**14814.**	**2176.9**	**6858.7**
Stddev	156.	57.	.9	4.6
%RSD	.14268	.38514	.04162	.06706
#1	109510.	14855.	2176.3	6855.5
#2	109290.	14774.	2177.6	6862.0

Zoom In Zoom Out

Sample Name: jb68772-2 Acquired: 6/11/2014 0:31:44 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4218**	**.0049**	**.0000**	**.0554**	**.1426**	**.1266**	**1.951**	**.1229**	**-.0014**
Stddev	.0003	.0000	.000	.0001	.0005	.0003	.007	.0002	.0000
%RSD	.0735	.8989	591.5	.1843	.3269	.2130	.3664	.1592	2.283
#1	.4215	.0048	.0000	.0555	.1423	.1268	1.946	.1228	-.0015
#2	.4220	.0049	.0000	.0553	.1429	.1264	1.956	.1230	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1669**	**.3044**	**.2037**	**-.0109**	**.1210**	**.0017**	**.0032**	**75.78**	**2.440**
Stddev	.0005	.0008	.0005	.0013	.0006	.0010	.0007	.08	.008
%RSD	.2742	.2605	.2259	11.63	.5083	61.94	21.07	.1097	.3323
#1	.1665	.3038	.2034	-.0100	.1205	.0010	.0027	75.72	2.434
#2	.1672	.3049	.2041	-.0118	.1214	.0024	.0037	75.84	2.446

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**174.1**	**10.22**	**13.79**	**.8172**	**.0216**	**.0026**	**-.0160**	**4.791**	**.0164**
Stddev	.4	.03	.00	.0041	.0008	.0001	.0002	.005	.0002
%RSD	.2214	.3313	.0084	.4998	3.898	4.360	1.037	.1020	1.086
#1	173.9	10.25	13.79	.8201	.0210	.0025	-.0161	4.795	.0165
#2	174.4	10.20	13.79	.8143	.0222	.0027	-.0159	4.788	.0163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0496**	**.5616**	**.0092**	**.0787**	**.4881**	**-.0045**	**.1178**
Stddev	.0001	.0002	.0008	.0004	.0006	.0002	.0000
%RSD	.2176	.0389	8.533	.4458	.1239	3.434	.0380
#1	.0496	.5614	.0086	.0784	.4886	-.0044	.1179
#2	.0495	.5617	.0098	.0789	.4877	-.0046	.1178

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110220.**	**14852.**	**2196.5**	**6898.4**
Stddev	262.	77.	.2	1.6
%RSD	.23773	.52100	.01018	.02271
#1	110400.	14906.	2196.7	6897.3
#2	110030.	14797.	2196.4	6899.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 0:37:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.012**	**2.021**	**2.026**	**2.032**	**1.995**	**2.066**	**2.046**	**.2424**
Stddev	.001	.000	.004	.004	.003	.003	.001	.004	.0004
%RSD	.0464	.0047	.2110	.1722	.1281	.1609	.0394	.2057	.1791
#1	2.029	2.012	2.018	2.024	2.034	1.997	2.065	2.043	.2428
#2	2.031	2.012	2.024	2.029	2.030	1.992	2.067	2.049	.2421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.058**	**1.996**	**2.113**	**2.048**	**2.015**	**1.998**	**39.63**	**40.04**
Stddev	.002	.002	.005	.013	.001	.010	.004	.00	.10
%RSD	.1069	.0882	.2712	.6305	.0570	.4779	.2189	.0040	.2453
#1	2.019	2.056	1.992	2.103	2.047	2.009	1.995	39.63	40.11
#2	2.022	2.059	2.000	2.122	2.049	2.022	2.001	39.63	39.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.84**	**39.01**	**41.02**	**40.53**	**2.022**	**2.036**	**1.995**	**4.990**	**2.063**
Stddev	.06	.16	.04	.00	.007	.009	.004	.022	.005
%RSD	.1544	.4168	.1059	.0072	.3596	.4339	.1948	.4420	.2285
#1	38.89	39.12	40.99	40.53	2.016	2.030	1.998	4.975	2.060
#2	38.80	38.89	41.05	40.53	2.027	2.042	1.992	5.006	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 0:37:52 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.028**	**1.869**	**2.008**	**1.972**	**2.008**	**2.030**
Stddev	.002	.000	.026	.001	.012	.006	.003
%RSD	.0869	.0002	1.381	.0479	.5975	.2896	.1236
#1	2.061	2.028	1.850	2.008	1.964	2.004	2.032
#2	2.059	2.028	1.887	2.007	1.981	2.012	2.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105610.**	**14402.**	**2107.0**	**6490.4**
Stddev	95.	3.	6.2	13.9
%RSD	.09036	.01941	.29659	.21409
#1	105670.	14400.	2111.4	6500.2
#2	105540.	14404.	2102.5	6480.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 0:43:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	F **.0009**	**.0009**	**.0009**	**.0007**	**.0008**	F **.0011**	**.0002**
Stddev	.0001	.0001	.0002	.0002	.0005	.0000	.0001	.0003	.0003
%RSD	10.13	22.57	22.60	22.57	53.05	.6901	12.20	25.51	216.0
#1	.0008	.0005	.0011	.0010	.0012	.0007	.0008	.0013	-.0001
#2	.0009	.0007	.0008	.0008	.0005	.0007	.0009	.0009	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0014**	**.0012**	**.0003**	**.0005**	**.0007**	**.0132**	**.0111**
Stddev	.0001	.0001	.0007	.0006	.0008	.0007	.0004	.0008	.0050
%RSD	10.96	15.22	45.55	52.72	231.3	134.9	66.12	6.158	44.99
#1	.0009	.0010	.0019	.0016	.0009	.0010	.0010	.0126	.0076
#2	.0011	.0008	.0010	.0007	-.0002	.0000	.0004	.0137	.0146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0168**	**.0309**	**.0736**	**.0081**	**.0011**	F **.0022**	**.0001**	**.0048**	**.0010**
Stddev	.0039	.0148	.0231	.0015	.0002	.0005	.0003	.0006	.0001
%RSD	23.09	47.92	31.34	19.09	13.51	21.80	367.3	12.27	5.902
#1	.0140	.0204	.0573	.0070	.0010	.0026	.0003	.0052	.0011
#2	.0195	.0414	.0900	.0092	.0013	.0019	-.0001	.0043	.0010
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 0:43:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0009**	F **.0127**	F **.0015**	**.0007**	**.0011**	**.0017**
Stddev	.0001	.0001	.0022	.0000	.0015	.0001	.0006
%RSD	14.45	7.120	17.57	.0950	216.7	4.643	34.82
#1	.0006	.0010	.0143	.0015	.0018	.0012	.0013
#2	.0007	.0009	.0111	.0015	-.0004	.0011	.0021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111950.**	**14492.**	**2204.8**	**7242.8**
Stddev	74.	20.	3.6	14.0
%RSD	.06614	.13457	.16143	.19347
#1	112000.	14478.	2207.3	7252.7
#2	111900.	14505.	2202.3	7232.9

Zoom In Zoom Out

Sample Name: mp79919-mb1 2 Acquired: 6/11/2014 0:50:15 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**.0001**	**.0002**	**.0000**	**.0000**	**-.0001**	**-.0001**
Stddev	.0000	.000	.0000	.0002	.0000	.000	.0000	.0001	.0001
%RSD	45.86	8.282	38.54	192.3	20.64	16.03	21.04	118.5	75.92
#1	.0001	.0000	-.0001	.0000	.0003	.0000	.0000	-.0002	-.0002
#2	.0000	.0000	-.0001	.0002	.0002	.0000	.0001	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0036**	**.0002**	**.0000**	**-.0001**	**.0011**	**.0001**	**-.0001**	**.0095**
Stddev	.0000	.0001	.0004	.0001	.0009	.0012	.0014	.0092	.0003
%RSD	27.97	3.693	148.0	328.7	1237.	103.9	1928.	9104.	3.256
#1	.0001	.0037	.0000	.0001	.0005	.0020	.0010	.0064	.0097
#2	.0001	.0035	.0005	-.0001	-.0007	.0003	-.0009	-.0066	.0093

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**.0319**	**.0431**	**-.0089**	**-.0002**	**.0003**	**-.0002**	**.0365**	**-.0008**
Stddev	.0004	.0087	.0048	.0024	.0004	.0001	.0001	.0008	.0004
%RSD	6.566	27.21	11.15	27.26	198.6	49.02	45.84	2.062	43.21
#1	.0066	.0258	.0397	-.0106	.0001	.0004	-.0002	.0359	-.0011
#2	.0060	.0380	.0465	-.0072	-.0005	.0002	-.0001	.0370	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0003**	**.0030**	**.0007**	**.0406**	**.0000**	**.0009**
Stddev	.0000	.0001	.0004	.0000	.0009	.001	.0001
%RSD	20.19	43.61	13.30	3.921	2.175	8096.	14.35
#1	-.0001	.0004	.0033	.0007	.0412	.0007	.0010
#2	-.0001	.0002	.0028	.0007	.0400	-.0007	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112600.**	**14647.**	**2194.4**	**7227.8**
Stddev	43.	3.	.7	9.9
%RSD	.03800	.02161	.03346	.13642
#1	112570.	14649.	2193.8	7220.8
#2	112630.	14645.	2194.9	7234.7

Zoom In Zoom Out

Sample Name: mp79919-lc1 Acquired: 6/11/2014 0:56:33 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5063**	**.4738**	**.4714**	**.4596**	**.4837**	**.4522**	**.4942**	**.4761**	**.1974**
Stddev	.0002	.0017	.0009	.0005	.0006	.0008	.0001	.0011	.0002
%RSD	.0357	.3529	.1957	.1178	.1213	.1668	.0239	.2326	.1250
#1	.5064	.4726	.4707	.4592	.4841	.4527	.4943	.4753	.1975
#2	.5061	.4750	.4720	.4600	.4833	.4517	.4942	.4768	.1972

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4615**	**.4915**	**.4700**	**.5162**	**.4788**	**.5065**	**.4602**	**4.878**	**5.521**
Stddev	.0012	.0010	.0011	.0004	.0011	.0008	.0018	.001	.016
%RSD	.2512	.2052	.2437	.0816	.2239	.1528	.4009	.0166	.2810
#1	.4623	.4907	.4692	.5159	.4796	.5059	.4589	4.877	5.510
#2	.4606	.4922	.4708	.5165	.4781	.5070	.4615	4.878	5.532

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.442**	**5.299**	**10.22**	**10.05**	**.0109**	**.4738**	**-.0014**	**.0983**	**-.0002**
Stddev	.027	.029	.02	.00	.0002	.0012	.0000	.0001	.0005
%RSD	.4981	.5537	.1755	.0443	1.515	.2513	3.337	.1084	198.0
#1	5.423	5.279	10.23	10.05	.0108	.4730	-.0014	.0982	-.0006
#2	5.461	5.320	10.20	10.05	.0110	.4747	-.0014	.0983	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4846**	**.0050**	**.0051**	**.0497**	**-.0016**	**.0013**
Stddev	.0001	.0003	.0000	.0003	.0023	.0001	.0009
%RSD	32.90	.0659	.6934	6.645	4.552	5.182	72.16
#1	-.0002	.4848	.0050	.0054	.0481	-.0015	.0006
#2	-.0001	.4844	.0049	.0049	.0513	-.0016	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109940.**	**14545.**	**2160.1**	**6933.9**
Stddev	127.	130.	3.5	3.5
%RSD	.11519	.89613	.16090	.05059
#1	109850.	14637.	2162.5	6936.4
#2	110030.	14452.	2157.6	6931.4

Zoom In Zoom Out

Sample Name: jb64500-46 Acquired: 6/11/2014 1:02:39 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0026**	**-.0001**	**.0000**	**.0002**	**.0005**	**.0010**	**.0026**	**.0012**	**.0000**
Stddev	.0001	.0000	.000	.0001	.0004	.0002	.0000	.0001	.000
%RSD	4.134	11.39	370.8	42.33	74.28	21.42	.6446	10.08	414.1
#1	.0026	-.0001	.0000	.0002	.0002	.0009	.0026	.0013	.0001
#2	.0027	-.0001	.0000	.0001	.0007	.0012	.0026	.0011	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0013**	**-.0001**	**.0005**	**.0002**	**.0037**	**.0000**	**.0037**	**.1406**
Stddev	.0001	.0001	.0011	.0012	.0007	.0020	.0003	.0025	.0044
%RSD	29.34	9.197	1742.	259.9	369.7	53.11	1580.	69.66	3.111
#1	.0003	.0012	.0007	-.0004	-.0003	.0023	-.0002	.0055	.1437
#2	.0002	.0014	-.0008	.0013	.0007	.0051	.0002	.0019	.1375

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0110**	**.0492**	**.0416**	**.3480**	**.0013**	**.0000**	**-.0007**	**1.255**	**-.0003**
Stddev	.0022	.0112	.0074	.0035	.0003	.0001	.0015	.001	.0002
%RSD	20.04	22.76	17.85	1.008	25.46	315.6	221.7	.0965	75.86
#1	.0125	.0571	.0363	.3455	.0010	.0000	-.0018	1.255	-.0001
#2	.0094	.0413	.0468	.3505	.0015	.0001	.0004	1.256	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0129**	**.0003**	**-.0034**	**.0000**	**.0271**	**-.0009**	**.0001**
Stddev	.0001	.0003	.0000	.000	.0002	.0006	.0005
%RSD	1.019	109.7	.9450	79.54	.5918	63.55	976.1
#1	.0128	.0001	-.0034	.0000	.0269	-.0005	-.0003
#2	.0130	.0005	-.0034	.0000	.0272	-.0013	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112650.**	**14496.**	**2194.3**	**7222.9**
Stddev	77.	38.	2.5	3.5
%RSD	.06860	.25979	.11497	.04880
#1	112700.	14469.	2196.1	7225.4
#2	112590.	14522.	2192.5	7220.4

Zoom In Zoom Out

Sample Name: jb64500-48 Acquired: 6/11/2014 1:08:56 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**.0000**	**.0002**	**.0003**	**.0001**	**.0000**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.000	.0001	.000
%RSD	104.0	22.98	155.9	53.32	100.9	176.8	178.3	98.74	3076.
#1	.0002	.0000	.0000	.0001	.0004	.0000	.0000	-.0003	-.0001
#2	.0000	-.0001	.0001	.0002	.0001	.0002	-.0001	.0000	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0008**	**.0000**	**-.0001**	**.0020**	**-.0006**	**-.0027**	**.0077**
Stddev	.0001	.0000	.0001	.0014	.0003	.0012	.0003	.0042	.0024
%RSD	85.35	.0712	13.76	3628.	582.6	61.76	46.83	158.1	31.26
#1	.0001	.0010	-.0008	-.0010	-.0003	.0011	-.0004	-.0057	.0094
#2	.0000	.0010	-.0007	.0011	.0002	.0029	-.0008	.0003	.0060

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0041**	**-.0069**	**.0084**	**-.0074**	**-.0001**	**-.0003**	**-.0006**	**.0347**	**-.0003**
Stddev	.0001	.0065	.0157	.0040	.0002	.0002	.0004	.0004	.0003
%RSD	2.638	93.52	188.2	53.65	220.7	55.26	73.90	1.116	79.90
#1	.0041	-.0115	-.0028	-.0103	-.0002	-.0002	-.0003	.0349	-.0001
#2	.0040	-.0023	.0195	-.0046	.0000	-.0005	-.0009	.0344	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0065**	**-.0002**	**.0162**	**-.0007**	**.0008**
Stddev	.0001	.0004	.0002	.0002	.0013	.0001	.0009
%RSD	48.66	159.3	3.279	96.14	7.997	17.02	112.8
#1	-.0002	.0000	-.0066	-.0001	.0153	-.0008	.0015
#2	-.0001	.0005	-.0063	-.0003	.0172	-.0006	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112430.**	**14528.**	**2193.6**	**7228.4**
Stddev	129.	18.	.1	9.3
%RSD	.11462	.12118	.00652	.12929
#1	112520.	14540.	2193.7	7235.0
#2	112340.	14515.	2193.5	7221.8

Zoom In Zoom Out

Sample Name: jb68314-29 Acquired: 6/11/2014 1:15:12 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0000**	**.0007**	**.0003**	**.0002**	**-.0003**	**-.0002**
Stddev	.0001	.0000	.000	.0001	.0003	.0002	.0000	.0002	.0002
%RSD	44.29	23.47	659.3	1372.	38.42	80.13	6.803	82.30	94.30
#1	.0003	-.0001	.0001	.0000	.0009	.0005	.0002	-.0001	-.0003
#2	.0002	-.0001	-.0002	.0000	.0005	.0001	.0002	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0018**	**-.0005**	**-.0001**	**-.0008**	**.0019**	**.0004**	**.0033**	**.0250**
Stddev	.0002	.0001	.0002	.0010	.0003	.0022	.0003	.0103	.0027
%RSD	124.6	7.305	43.07	716.6	32.10	112.8	66.96	309.4	10.92
#1	.0002	.0017	-.0004	.0006	-.0006	.0004	.0006	-.0039	.0230
#2	.0000	.0019	-.0007	-.0008	-.0010	.0035	.0002	.0106	.0269

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0074**	**.0104**	**.0366**	**.0348**	**-.0003**	**-.0003**	**-.0001**	**.0518**	**-.0003**
Stddev	.0006	.0069	.0303	.0038	.0004	.0002	.0004	.0003	.0004
%RSD	7.457	65.96	82.70	10.83	109.9	59.65	302.1	.4981	117.5
#1	.0078	.0055	.0580	.0322	-.0006	-.0002	-.0004	.0520	-.0001
#2	.0070	.0152	.0152	.0375	-.0001	-.0005	.0001	.0516	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0087**	**.0000**	**.0153**	**.0001**	**.0001**
Stddev	.0000	.0000	.0002	.000	.0007	.0004	.0001
%RSD	18.28	100.4	1.803	29.84	4.300	643.3	77.55
#1	.0000	.0000	-.0088	-.0001	.0157	.0004	.0002
#2	-.0001	.0000	-.0086	.0000	.0148	-.0002	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111840.**	**14527.**	**2201.0**	**7254.2**
Stddev	2237.	162.	3.0	3.4
%RSD	2.0000	1.1175	.13451	.04711
#1	110260.	14641.	2198.9	7251.8
#2	113420.	14412.	2203.1	7256.6

Zoom In Zoom Out

Sample Name: jb68318-6 Acquired: 6/11/2014 1:21:29 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0003**	**.0000**	**.0003**	**-.0002**	**-.0002**
Stddev	.0002	.0000	.0001	.0000	.0003	.0004	.0000	.0002	.0001
%RSD	67.76	17.45	126.8	54.81	93.88	1187.	1.711	157.0	87.88
#1	.0001	-.0001	.0000	.0001	.0006	.0003	.0003	-.0003	-.0003
#2	.0004	-.0001	-.0001	.0001	.0001	-.0003	.0003	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0122**	**-.0002**	**-.0005**	**-.0005**	**.0015**	**.0001**	**-.0035**	**.0751**
Stddev	.0001	.0000	.0007	.0003	.0005	.0017	.0005	.0036	.0024
%RSD	27.51	.2968	306.2	60.60	101.9	113.9	337.4	101.8	3.200
#1	.0004	.0122	-.0008	-.0007	-.0008	.0003	.0005	-.0010	.0734
#2	.0003	.0122	.0003	-.0003	-.0001	.0027	-.0002	-.0060	.0768

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0081**	**.0246**	**.0214**	**.2583**	**.0012**	**-.0004**	**.0005**	**.0760**	**.0000**
Stddev	.0002	.0023	.0018	.0057	.0008	.0000	.0001	.0012	.001
%RSD	2.294	9.423	8.556	2.202	67.61	6.516	32.33	1.558	3626.
#1	.0082	.0262	.0227	.2543	.0007	-.0004	.0004	.0751	-.0005
#2	.0080	.0229	.0201	.2623	.0018	-.0004	.0006	.0768	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0083**	**-.0003**	**.0274**	**-.0006**	**.0010**
Stddev	.000	.0001	.0006	.0000	.0002	.0005	.0013
%RSD	145.2	16.26	7.586	10.70	.5497	81.07	124.4
#1	.0000	.0003	-.0088	-.0004	.0273	-.0009	.0020
#2	-.0001	.0003	-.0079	-.0003	.0275	-.0003	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14589.**	**2190.9**	**7198.8**
Stddev	358.	92.	5.9	21.2
%RSD	.31902	.63011	.26708	.29426
#1	112520.	14654.	2195.0	7213.8
#2	112020.	14524.	2186.7	7183.8

Zoom In Zoom Out

Sample Name: jb68381-5 Acquired: 6/11/2014 1:27:46 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**-.0001**	**.0001**	**.0003**	**.0000**	**.0000**	**-.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0001	.0002	.0003	.0000	.0002	.000
%RSD	64.85	16.82	158.2	100.4	56.43	2540.	48.64	73.31	1073.
#1	.0001	-.0001	.0000	.0000	.0005	-.0002	.0000	-.0004	-.0001
#2	.0000	-.0001	-.0003	.0001	.0002	.0002	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**-.0010**	**.0005**	**-.0002**	**.0032**	**.0008**	**-.0001**	**.0077**
Stddev	.0002	.0001	.0007	.0007	.0007	.0004	.0002	.0010	.0022
%RSD	157.6	5.679	75.05	136.8	321.7	12.25	21.72	1456.	28.31
#1	.0003	.0015	-.0015	.0000	.0003	.0035	.0007	-.0007	.0092
#2	.0000	.0014	-.0005	.0009	-.0007	.0029	.0009	.0006	.0061

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0028**	**.0105**	**-.0005**	**-.0083**	**-.0006**	**-.0005**	**-.0002**	**.0491**	**-.0006**
Stddev	.0035	.0088	.0168	.0019	.0003	.0000	.0001	.0003	.0005
%RSD	125.2	84.31	3252.	23.01	51.99	7.995	60.05	.6020	92.20
#1	.0003	.0167	.0114	-.0096	-.0004	-.0005	-.0001	.0489	-.0010
#2	.0052	.0042	-.0124	-.0069	-.0009	-.0006	-.0003	.0493	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0105**	**-.0003**	**.0292**	**-.0002**	**.0004**
Stddev	.000	.0001	.0002	.0001	.0001	.0003	.0008
%RSD	180.2	17.04	1.806	51.47	.1776	157.8	189.6
#1	-.0001	.0004	-.0104	-.0004	.0293	.0000	-.0001
#2	.0000	.0003	-.0107	-.0002	.0292	-.0005	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111900.**	**14597.**	**2192.8**	**7207.1**
Stddev	379.	15.	1.3	2.1
%RSD	.33906	.10247	.05807	.02945
#1	112170.	14586.	2191.9	7208.6
#2	111630.	14607.	2193.7	7205.6

Zoom In Zoom Out

Sample Name: jb68458-4 Acquired: 6/11/2014 1:34:04 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0000**	**.0000**	**.0005**	**.0001**	**.0002**	**.0000**	**.0000**
Stddev	.0001	.0000	.0001	.000	.0002	.0001	.0000	.0001	.0000
%RSD	31.80	45.60	364.8	492.1	40.31	74.75	7.664	552.2	96.95
#1	.0004	-.0001	.0001	.0001	.0007	.0001	.0002	.0000	.0001
#2	.0002	-.0001	-.0001	-.0001	.0004	.0002	.0002	.0000	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0026**	**-.0004**	**-.0014**	**-.0003**	**.0035**	**.0005**	**.0005**	**.0525**
Stddev	.0001	.0001	.0002	.0021	.0011	.0010	.0009	.0059	.0022
%RSD	25.38	4.622	51.28	144.4	436.0	29.04	203.1	1276.	4.183
#1	.0002	.0027	-.0003	-.0029	.0005	.0028	.0011	-.0037	.0540
#2	.0002	.0025	-.0006	.0000	-.0010	.0042	-.0002	.0046	.0509

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0050**	**.0167**	**.0292**	**.2132**	**.0007**	**-.0005**	**-.0003**	**.0956**	**.0004**
Stddev	.0018	.0125	.0324	.0007	.0001	.0001	.0004	.0028	.0005
%RSD	36.32	74.92	111.0	.3101	20.69	26.50	122.9	2.944	118.8
#1	.0037	.0255	.0520	.2128	.0006	-.0004	.0000	.0975	.0007
#2	.0063	.0078	.0063	.2137	.0008	-.0006	-.0006	.0936	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0110**	**-.0002**	**.0274**	**-.0008**	**.0004**
Stddev	.000	.0000	.0018	.0001	.0006	.0000	.0001
%RSD	21.57	15.50	16.32	27.94	2.032	1.447	21.72
#1	.0000	.0001	-.0098	-.0003	.0278	-.0008	.0004
#2	.0000	.0001	-.0123	-.0002	.0270	-.0008	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112680.**	**14659.**	**2204.3**	**7262.6**
Stddev	119.	15.	57.0	168.2
%RSD	.10518	.10427	2.5844	2.3154
#1	112760.	14648.	2164.0	7143.7
#2	112600.	14670.	2244.6	7381.5

Zoom In Zoom Out

Sample Name: jb68538-5 Acquired: 6/11/2014 1:40:20 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0002**	**.0000**	**.0001**	**.0000**	**-.0001**	**-.0002**	**.0001**
Stddev	.0003	.0000	.0000	.000	.0001	.0003	.0000	.0001	.0001
%RSD	82.75	4.656	4.895	725.4	263.5	1159.	42.83	23.74	52.92
#1	.0001	-.0001	-.0002	.0000	.0000	.0002	-.0001	-.0003	.0001
#2	.0005	-.0001	-.0002	.0000	.0001	-.0002	.0000	-.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0022**	**-.0011**	**.0011**	**.0001**	**.0030**	**.0001**	**.0041**	**.0100**
Stddev	.0001	.0000	.0015	.0013	.0011	.0013	.0000	.0011	.0006
%RSD	105.9	1.470	136.7	116.9	1616.	42.75	17.83	26.08	6.104
#1	.0002	.0023	-.0022	.0020	.0008	.0021	.0001	.0034	.0104
#2	.0000	.0022	.0000	.0002	-.0007	.0039	.0001	.0049	.0096

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**.0134**	**.0021**	**-.0105**	**-.0007**	**-.0006**	**-.0001**	**.0755**	**-.0005**
Stddev	.0008	.0151	.0148	.0024	.0003	.0001	.0005	.0006	.0002
%RSD	15.09	113.1	719.5	23.11	45.43	20.47	719.5	.8465	51.16
#1	.0048	.0241	.0125	-.0122	-.0004	-.0005	.0003	.0759	-.0003
#2	.0059	.0027	-.0084	-.0088	-.0009	-.0006	-.0005	.0750	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0118**	**-.0003**	**.0214**	**-.0001**	**.0009**
Stddev	.0001	.0000	.0007	.0000	.0001	.0006	.0002
%RSD	120.6	47.47	5.924	11.67	.6663	778.7	21.23
#1	-.0001	-.0001	-.0113	-.0003	.0215	.0003	.0008
#2	.0000	-.0001	-.0123	-.0003	.0213	-.0005	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111760.**	**14435.**	**2193.6**	**7205.5**
Stddev	6.	56.	13.0	43.2
%RSD	.00496	.38524	.59291	.59946
#1	111760.	14396.	2184.4	7175.0
#2	111770.	14475.	2202.8	7236.1

Zoom In Zoom Out

Sample Name: jb68539-5 Acquired: 6/11/2014 1:46:37 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**-.0001**	**.0001**	**.0003**	**-.0002**	**.0000**	**.0000**	**.0000**
Stddev	.0003	.0001	.0001	.0001	.0000	.0001	.0000	.000	.000
%RSD	657.7	62.71	48.09	53.75	4.390	46.35	70.52	176.9	508.6
#1	.0002	-.0001	-.0002	.0001	.0003	-.0001	.0001	.0000	.0000
#2	-.0002	.0000	-.0001	.0001	.0002	-.0002	.0000	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0016**	**.0003**	**-.0001**	**-.0004**	**.0021**	**.0003**	**.0054**	**.0170**
Stddev	.0002	.0000	.0000	.0012	.0003	.0001	.0019	.0005	.0172
%RSD	465.4	1.840	8.940	1844.	88.16	2.493	756.0	10.02	101.2
#1	-.0001	.0015	.0003	.0008	-.0001	.0021	.0016	.0057	.0291
#2	.0002	.0016	.0003	-.0009	-.0006	.0022	-.0011	.0050	.0048

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0086**	**.0094**	**.0205**	**-.0182**	**-.0003**	**-.0004**	**-.0003**	**.0504**	**-.0003**
Stddev	.0006	.0006	.0124	.0006	.0003	.0000	.0002	.0004	.0002
%RSD	6.771	6.370	60.51	3.049	98.92	3.587	93.33	.7315	50.81
#1	.0081	.0099	.0117	-.0186	-.0001	-.0004	-.0004	.0501	-.0002
#2	.0090	.0090	.0293	-.0178	-.0005	-.0004	-.0001	.0507	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**-.0125**	**-.0005**	**.0175**	**-.0006**	**.0000**
Stddev	.0000	.0001	.0001	.0000	.0003	.0007	.0007
%RSD	27.24	61.49	.5301	3.778	1.749	121.7	1822.
#1	-.0001	.0001	-.0125	-.0005	.0173	-.0011	.0005
#2	-.0001	.0001	-.0124	-.0005	.0177	-.0001	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112640.**	*****	**2185.9**	**7184.9**
Stddev	90.	-----	12.5	26.3
%RSD	.07949	-----	.57069	.36643
#1	112710.	-----	2194.8	7203.5
#2	112580.	14503.	2177.1	7166.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 1:52:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.009**	**2.016**	**2.024**	**2.032**	**1.971**	**2.054**	**2.041**	**.2419**
Stddev	.004	.003	.001	.000	.007	.006	.006	.002	.0009
%RSD	.1734	.1479	.0458	.0090	.3393	.3225	.3163	.1030	.3883
#1	2.030	2.011	2.016	2.024	2.037	1.975	2.059	2.043	.2426
#2	2.025	2.007	2.015	2.024	2.027	1.966	2.049	2.040	.2413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**2.054**	**1.990**	**2.100**	**2.040**	**2.009**	**1.990**	**39.37**	**40.27**
Stddev	.007	.001	.003	.013	.001	.004	.001	.07	.10
%RSD	.3653	.0297	.1348	.6124	.0429	.2112	.0227	.1859	.2389
#1	2.000	2.054	1.991	2.109	2.041	2.012	1.990	39.42	40.33
#2	1.989	2.055	1.988	2.091	2.040	2.006	1.989	39.31	40.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.99**	**39.21**	**40.97**	**40.29**	**2.017**	**2.025**	**1.986**	**4.968**	**2.059**
Stddev	.09	.11	.09	.07	.005	.000	.005	.001	.002
%RSD	.2205	.2740	.2259	.1812	.2571	.0002	.2400	.0220	.0829
#1	39.05	39.29	41.04	40.35	2.020	2.025	1.989	4.968	2.060
#2	38.93	39.14	40.90	40.24	2.013	2.025	1.983	4.969	2.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 1:52:56 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**2.018**	**1.863**	**2.006**	**1.952**	**1.998**	**2.034**
Stddev	.006	.006	.021	.004	.006	.002	.003
%RSD	.3120	.2813	1.105	.2086	.3347	.1165	.1363
#1	2.075	2.022	1.848	2.009	1.957	2.000	2.036
#2	2.066	2.014	1.877	2.003	1.948	1.997	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106210.**	**14391.**	**2114.6**	**6516.8**
Stddev	426.	8.	1.5	6.2
%RSD	.40117	.05665	.07038	.09447
#1	105910.	14385.	2113.5	6512.4
#2	106510.	14397.	2115.6	6521.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 1:58:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	F **.0009**	**.0009**	**.0008**	**.0006**	**.0009**	**.0009**	**-.0001**
Stddev	.0001	.0000	.0000	.0001	.0002	.0000	.0000	.0002	.0004
%RSD	15.39	2.032	.7505	10.81	20.33	.2902	5.529	27.60	568.4
#1	.0007	.0006	.0009	.0010	.0009	.0006	.0008	.0007	.0002
#2	.0009	.0006	.0009	.0009	.0007	.0006	.0009	.0010	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0010**	**.0016**	**.0005**	**.0007**	**.0026**	**.0003**	**.0140**	**.0118**
Stddev	.0003	.0001	.0010	.0005	.0009	.0011	.0017	.0049	.0026
%RSD	30.48	14.02	64.27	91.66	124.5	41.43	636.7	35.10	22.00
#1	.0007	.0011	.0009	.0008	.0001	.0019	.0015	.0105	.0100
#2	.0012	.0009	.0023	.0002	.0013	.0034	-.0009	.0174	.0137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0153**	**.0348**	**.0461**	**.0025**	**.0010**	F **.0023**	**.0004**	**.0047**	**.0009**
Stddev	.0013	.0081	.0250	.0036	.0005	.0006	.0000	.0003	.0001
%RSD	8.611	23.30	54.26	143.4	52.29	25.15	6.124	7.359	16.85
#1	.0143	.0405	.0639	.0051	.0014	.0027	.0004	.0050	.0010
#2	.0162	.0290	.0284	.0000	.0006	.0019	.0005	.0045	.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 1:58:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0009**	**.0116**	F **.0013**	**.0016**	**.0007**	F **.0020**
Stddev	.0001	.0001	.0014	.0000	.0001	.0004	.0006
%RSD	23.71	16.32	11.74	1.438	6.738	50.09	28.39
#1	.0005	.0010	.0126	.0013	.0015	.0005	.0016
#2	.0007	.0008	.0107	.0013	.0017	.0010	.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				.0010			.0020
Low Limit				-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111780.**	**14414.**	**2201.8**	**7237.0**
Stddev	96.	48.	2.6	10.6
%RSD	.08583	.33364	.11623	.14600
#1	111710.	14380.	2203.7	7244.5
#2	111850.	14448.	2200.0	7229.6

Zoom In Zoom Out

Sample Name: jb68542-6conf Acquired: 6/11/2014 2:05:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0016**	**-.0001**	**-.0001**	**.0001**	**.0002**	**.0000**	**.0000**	**-.0003**	**-.0002**
Stddev	.0002	.0000	.0000	.0000	.0000	.000	.0000	.0001	.0001
%RSD	11.70	47.71	16.19	35.69	3.514	4907.	1175.	49.81	58.43
#1	.0014	.0000	-.0001	.0001	.0002	.0002	.0000	-.0002	-.0003
#2	.0017	-.0001	-.0001	.0001	.0002	-.0003	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0013**	**.0034**	**.0003**	**-.0004**	**.0004**	**.0004**	**.0086**	**.0505**
Stddev	.0002	.0001	.0000	.0011	.0003	.0004	.0000	.0097	.0032
%RSD	153.5	9.136	.8724	404.9	60.36	118.3	6.279	112.8	6.360
#1	.0000	.0012	.0034	.0011	-.0006	.0007	.0004	.0155	.0482
#2	.0003	.0013	.0034	-.0005	-.0002	.0001	.0004	.0017	.0528

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0071**	**.0124**	**.0519**	**.2155**	**.0407**	**.0004**	**.0002**	**.1885**	**-.0002**
Stddev	.0004	.0173	.0078	.0062	.0003	.0000	.0004	.0027	.0007
%RSD	6.071	139.6	15.00	2.855	.7013	2.128	237.0	1.432	346.9
#1	.0074	.0247	.0464	.2112	.0405	.0004	.0004	.1866	-.0007
#2	.0068	.0002	.0574	.2199	.0410	.0004	-.0001	.1904	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0053**	**.0012**	**.0219**	**-.0015**	**.0007**
Stddev	.0000	.0002	.0001	.0000	.0008	.0001	.0005
%RSD	102.5	53.21	1.080	3.997	3.438	8.263	67.52
#1	.0000	.0002	.0053	.0011	.0214	-.0014	.0004
#2	.0000	.0004	.0053	.0012	.0224	-.0016	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**111770.**	**14644.**	**2213.0**	**7293.2**
Stddev	1362.	5.	26.1	77.8
%RSD	1.2189	.03190	1.1810	1.0664
#1	112730.	14641.	2231.5	7348.1
#2	110810.	14648.	2194.5	7238.2

Zoom In Zoom Out

Sample Name: jb68561-6 Acquired: 6/11/2014 2:11:34 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0001**	**-.0001**
Stddev	.0000	.000	.0003	.0005	.0002	.0002	.000	.0003	.0000
%RSD	15.24	61.67	3216.	434.4	66.29	653.5	102.8	299.1	32.23
#1	.0002	.0000	.0002	.0003	.0003	-.0001	.0000	.0001	-.0001
#2	.0002	-.0001	-.0002	-.0005	.0001	.0001	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0014**	**.0001**	**-.0004**	**-.0006**	**.0021**	**.0002**	**-.0030**	**.0038**
Stddev	.0001	.0001	.0000	.0012	.0002	.0001	.0004	.0013	.0002
%RSD	121.8	8.585	36.92	278.5	40.29	4.287	246.8	45.14	6.236
#1	.0000	.0015	.0001	-.0012	-.0004	.0022	-.0001	-.0039	.0036
#2	.0001	.0013	.0001	.0004	-.0008	.0021	.0004	-.0020	.0040

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0055**	**-.0056**	**.0329**	**-.0209**	**.0001**	**.0001**	**-.0009**	**.0507**	**-.0002**
Stddev	.0022	.0066	.0298	.0003	.0007	.0000	.0002	.0013	.0006
%RSD	39.91	118.6	90.57	1.633	1166.	35.29	24.67	2.515	397.0
#1	.0040	-.0009	.0540	-.0212	-.0004	.0001	-.0011	.0498	.0003
#2	.0071	-.0102	.0118	-.0207	.0006	.0001	-.0008	.0516	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**.0011**	**.0005**	**.0173**	**.0004**	**.0007**
Stddev	.0001	.0002	.0006	.0002	.0001	.0008	.0002
%RSD	204.6	145.5	50.58	36.46	.7462	211.5	28.64
#1	.0000	.0000	.0015	.0006	.0172	-.0002	.0006
#2	-.0001	-.0003	.0007	.0004	.0174	.0009	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112560.**	**14531.**	**2184.3**	**7207.9**
Stddev	227.	89.	7.1	15.6
%RSD	.20190	.61173	.32641	.21603
#1	112720.	14469.	2189.3	7218.9
#2	112400.	14594.	2179.3	7196.9

Zoom In Zoom Out

Sample Name: jb68611-11 Acquired: 6/11/2014 2:17:50 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0013**	**.0000**	**-.0001**	**.0000**	**.0000**	**-.0001**	**.0003**	**-.0001**	**.0000**
Stddev	.0001	.000	.0000	.0000	.0000	.0001	.0001	.0002	.000
%RSD	9.446	24.60	30.59	84.96	64.80	126.9	21.66	175.4	706.5
#1	.0014	-.0001	-.0001	.0001	.0000	.0000	.0003	.0000	-.0002
#2	.0012	.0000	-.0001	.0000	.0000	-.0002	.0004	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**.0002**	**.0017**	**-.0001**	**.0026**	**.0002**	**.0035**	**.0513**
Stddev	.0002	.0001	.0005	.0008	.0003	.0010	.0000	.0097	.0022
%RSD	346.1	4.004	233.4	48.40	186.4	40.39	10.34	276.7	4.207
#1	.0002	.0016	-.0001	.0011	.0000	.0033	.0001	.0104	.0528
#2	-.0001	.0017	.0006	.0023	-.0003	.0018	.0002	-.0034	.0498

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0069**	**.0349**	**.0248**	**.1690**	**.0044**	**-.0003**	**-.0002**	**.0325**	**-.0005**
Stddev	.0023	.0049	.0537	.0026	.0001	.0003	.0015	.0008	.0000
%RSD	33.61	14.01	216.8	1.539	1.238	74.75	836.6	2.522	4.500
#1	.0086	.0383	-.0132	.1671	.0044	-.0002	.0009	.0319	-.0005
#2	.0053	.0314	.0627	.1708	.0043	-.0005	-.0013	.0331	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0030**	**.0002**	**.0253**	**-.0009**	**.0005**
Stddev	.0000	.000	.0005	.0000	.0014	.0002	.0005
%RSD	22.17	723.2	17.48	7.430	5.428	25.73	112.0
#1	.0000	-.0003	-.0027	.0002	.0243	-.0007	.0001
#2	.0001	.0002	-.0034	.0002	.0263	-.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112050.**	**14617.**	**2186.6**	**7200.0**
Stddev	105.	43.	1.5	.6
%RSD	.09352	.29237	.07062	.00805
#1	111970.	14587.	2185.5	7200.4
#2	112120.	14648.	2187.7	7199.6

Zoom In Zoom Out

Sample Name: jb68611-12 Acquired: 6/11/2014 2:24:08 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0004**	**.0002**
Stddev	.0000	.0000	.0000	.0000	.0000	.000	.0000	.0000	.0002
%RSD	8.164	16.83	58.73	59.79	9.904	292.0	176.9	3.358	97.05
#1	.0002	-.0001	.0000	-.0001	.0001	-.0001	.0001	-.0004	.0003
#2	.0002	-.0001	.0001	.0000	.0002	.0000	.0000	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0002**	**-.0001**	**-.0004**	**.0017**	**-.0006**	**-.0032**	**.0038**
Stddev	.0001	.0001	.0005	.0008	.0002	.0019	.0005	.0050	.0000
%RSD	99.37	5.836	212.1	634.9	35.87	112.2	83.54	154.3	.8154
#1	.0000	.0011	-.0005	-.0007	-.0005	.0031	-.0003	.0003	.0037
#2	.0001	.0010	.0001	.0004	-.0003	.0004	-.0010	-.0067	.0038

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0169**	**.0084**	**-.0219**	**-.0001**	**-.0004**	**-.0006**	**.0237**	**-.0003**
Stddev	.0014	.0040	.0172	.0046	.0003	.0001	.0008	.0004	.0007
%RSD	35.54	23.63	205.1	21.20	239.8	18.97	145.1	1.745	210.8
#1	.0048	.0197	-.0038	-.0251	-.0004	-.0003	-.0012	.0240	-.0008
#2	.0029	.0141	.0206	-.0186	.0001	-.0004	.0000	.0234	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0066**	**.0001**	**.0228**	**-.0004**	**.0009**
Stddev	.0000	.0002	.0002	.0001	.0006	.0004	.0000
%RSD	7.090	257.7	3.394	99.83	2.694	102.3	1.700
#1	-.0001	.0001	-.0064	.0000	.0232	-.0006	.0008
#2	-.0001	-.0002	-.0067	.0001	.0224	-.0001	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14624.**	**2188.3**	**7205.4**
Stddev	49.	54.	4.6	8.4
%RSD	.04350	.36924	.20957	.11652
#1	112300.	14662.	2191.5	7211.4
#2	112230.	14586.	2185.0	7199.5

Zoom In Zoom Out

Sample Name: jb68611-13 Acquired: 6/11/2014 2:30:26 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**-.0001**	**-.0002**	**.0002**	**.0000**	**.0029**	**.0005**	**-.0001**	**.0001**
Stddev	.0000	.0000	.0000	.0002	.000	.0000	.0000	.0001	.0002
%RSD	2.213	54.44	19.03	104.1	1505.	.1390	1.374	59.91	117.1
#1	.0011	.0000	-.0001	.0004	-.0002	.0029	.0005	-.0002	.0000
#2	.0010	-.0001	-.0002	.0001	.0002	.0029	.0005	-.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0021**	**-.0005**	**-.0002**	**-.0003**	**.0041**	**.0002**	**.0013**	**.0638**
Stddev	.0000	.0002	.0014	.0007	.0001	.0004	.0010	.0033	.0019
%RSD	12.84	7.250	264.9	318.4	32.05	10.44	476.6	263.1	2.995
#1	.0002	.0023	.0004	-.0007	-.0003	.0038	.0009	-.0011	.0625
#2	.0002	.0020	-.0015	.0003	-.0002	.0044	-.0005	.0036	.0652

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0144**	**.0314**	**.0008**	**.1593**	**.0039**	**-.0004**	**-.0001**	**.0998**	**.0006**
Stddev	.0002	.0078	.0187	.0065	.0003	.0001	.0002	.0011	.0003
%RSD	1.362	24.72	2271.	4.099	8.275	12.97	142.8	1.098	42.36
#1	.0146	.0259	-.0124	.1639	.0041	-.0005	-.0002	.1006	.0005
#2	.0143	.0369	.0140	.1547	.0037	-.0004	.0000	.0990	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0007**	**-.0085**	**.0002**	**.0268**	**.0004**	**.0011**
Stddev	.0000	.0001	.0006	.0000	.0008	.0003	.0006
%RSD	10.30	12.05	6.891	28.53	2.953	71.97	54.29
#1	.0001	.0008	-.0081	.0002	.0274	.0002	.0007
#2	.0000	.0007	-.0089	.0001	.0263	.0006	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112530.**	**14583.**	**2210.7**	**7281.7**
Stddev	46.	129.	21.6	63.0
%RSD	.04108	.88648	.97497	.86546
#1	112560.	14492.	2195.4	7237.1
#2	112490.	14675.	2225.9	7326.3

Zoom In Zoom Out

Sample Name: jb68583-18 Acquired: 6/11/2014 2:36:43 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb multi 2ndcal 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**-.0001**	**.0001**	**.0004**	**.0001**	**.0001**	**.0000**	**.0001**
Stddev	.0000	.0001	.0000	.0001	.0001	.0001	.0000	.000	.0001
%RSD	12.45	55.11	11.67	147.0	34.83	55.01	36.67	332.9	123.6
#1	.0003	-.0001	-.0001	.0002	.0004	.0001	.0001	.0000	.0002
#2	.0002	-.0001	-.0002	.0000	.0003	.0002	.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0015**	**-.0002**	**-.0006**	**.0003**	**.0021**	**.0002**	**.0045**	**.0110**
Stddev	.000	.0000	.0004	.0004	.0004	.0007	.0003	.0066	.0011
%RSD	219.0	1.513	170.2	62.43	134.2	31.20	190.4	147.7	10.28
#1	-.0001	.0014	-.0005	-.0003	.0006	.0026	-.0001	.0091	.0118
#2	.0000	.0015	.0000	-.0008	.0000	.0016	.0004	-.0002	.0102

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0166**	**.0186**	**-.0040**	**-.0189**	**-.0002**	**-.0005**	**-.0001**	**.0788**	**.0004**
Stddev	.0004	.0054	.0082	.0054	.0003	.0000	.0008	.0001	.0004
%RSD	2.216	29.05	204.6	28.57	140.1	7.869	829.3	.1185	111.2
#1	.0164	.0224	-.0098	-.0227	.0000	-.0006	-.0006	.0789	.0006
#2	.0169	.0148	.0018	-.0151	-.0005	-.0005	.0004	.0788	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0093**	**-.0001**	**.0177**	**-.0005**	**.0003**
Stddev	.000	.0002	.0000	.0001	.0004	.0004	.0002
%RSD	128.8	161.9	.1218	54.08	2.507	89.32	58.59
#1	.0000	.0000	-.0093	-.0001	.0174	-.0002	.0002
#2	.0000	.0003	-.0093	-.0002	.0180	-.0008	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112110.**	**14502.**	**2185.8**	**7213.1**
Stddev	79.	24.	.1	.9
%RSD	.07086	.16502	.00236	.01238
#1	112170.	14485.	2185.8	7213.7
#2	112060.	14519.	2185.8	7212.4

Zoom In Zoom Out

Sample Name: mp79945-mb1 2 Acquired: 6/11/2014 2:43:00 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**.0003**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0001**
Stddev	.0002	.0000	.000	.0001	.0003	.0002	.000	.0001	.0003
%RSD	82.31	36.95	6.327	48.00	392.1	109.4	1778.	910.6	354.6
#1	.0003	.0000	.0000	.0004	.0001	.0000	.0000	.0001	.0001
#2	.0001	-.0001	.0000	.0002	-.0003	.0003	.0000	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0041**	**-.0002**	**.0003**	**.0000**	**.0035**	**-.0005**	**.0056**	**.0143**
Stddev	.0001	.0001	.0007	.0000	.001	.0029	.0002	.0088	.0000
%RSD	83.06	1.367	361.2	10.11	1912.	84.09	31.78	158.7	.0201
#1	.0001	.0042	-.0007	.0003	-.0006	.0014	-.0006	.0118	.0143
#2	.0002	.0041	.0003	.0003	.0006	.0055	-.0004	-.0007	.0143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0056**	**-.0047**	**.0215**	**-.0162**	**-.0004**	**-.0006**	**.0001**	**.0067**	**-.0006**
Stddev	.0003	.0208	.0026	.0052	.0006	.0000	.0004	.0002	.0010
%RSD	5.488	441.1	11.93	31.91	174.6	6.000	800.7	2.762	166.2
#1	.0054	.0100	.0233	-.0126	.0001	-.0006	.0004	.0066	.0001
#2	.0058	-.0194	.0197	-.0199	-.0008	-.0006	-.0003	.0068	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0131**	**-.0003**	**.0037**	**.0001**	**.0006**
Stddev	.0000	.0001	.0004	.0000	.0011	.0001	.0006
%RSD	25.10	42.25	3.094	.6243	31.40	139.4	93.79
#1	.0000	.0002	-.0128	-.0003	.0028	.0002	.0010
#2	-.0001	.0001	-.0134	-.0003	.0045	.0000	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112380.**	**14550.**	**2198.2**	**7240.3**
Stddev	1512.	18.	.2	9.8
%RSD	1.3457	.12620	.00833	.13505
#1	111310.	14562.	2198.1	7233.3
#2	113450.	14537.	2198.4	7247.2

Zoom In Zoom Out

Sample Name: mp79945-lc1 Acquired: 6/11/2014 2:49:17 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5044**	**.4727**	**.4739**	**.4596**	**.4804**	**.4507**	**.4918**	**.4747**	**.1976**
Stddev	.0001	.0007	.0016	.0013	.0028	.0023	.0012	.0005	.0003
%RSD	.0198	.1482	.3329	.2875	.5914	.5039	.2353	.1140	.1722
#1	.5043	.4722	.4728	.4587	.4824	.4491	.4926	.4743	.1979
#2	.5045	.4732	.4750	.4606	.4784	.4523	.4909	.4751	.1974

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4574**	**.4900**	**.4703**	**.5182**	**.4786**	**.5109**	**.4625**	**4.891**	**5.514**
Stddev	.0008	.0020	.0002	.0013	.0002	.0010	.0023	.009	.004
%RSD	.1828	.3987	.0418	.2427	.0393	.2021	.4952	.1873	.0669
#1	.4580	.4886	.4704	.5173	.4787	.5116	.4608	4.885	5.516
#2	.4568	.4914	.4701	.5191	.4784	.5101	.4641	4.898	5.511

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.408**	**5.299**	**10.21**	**10.05**	**.0121**	**.4708**	**-.0013**	**.0101**	**.0007**
Stddev	.011	.005	.03	.01	.0006	.0007	.0001	.0009	.0002
%RSD	.2046	.1001	.3141	.1323	5.128	.1382	4.664	8.413	22.05
#1	5.400	5.303	10.18	10.04	.0117	.4704	-.0012	.0095	.0006
#2	5.415	5.295	10.23	10.05	.0126	.4713	-.0013	.0107	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4820**	**-.0092**	**.0059**	**.0030**	**-.0009**	**.0013**
Stddev	.0000	.0005	.0004	.0002	.0009	.0003	.0006
%RSD	33.17	.1042	4.631	4.052	31.10	36.22	45.21
#1	-.0002	.4824	-.0089	.0061	.0023	-.0011	.0017
#2	-.0001	.4816	-.0095	.0058	.0037	-.0006	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109710.**	**14554.**	**2145.7**	**6906.2**
Stddev	230.	38.	2.3	4.8
%RSD	.20955	.26283	.10848	.07022
#1	109550.	14581.	2147.3	6909.6
#2	109870.	14527.	2144.0	6902.7

Zoom In Zoom Out

Sample Name: mp79945-s1 Acquired: 6/11/2014 2:55:22 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.932**	**.0481**	**.0668**	**.5965**	**54.47**	**.5528**	**.7838**	**.6532**	**.0507**
Stddev	.003	.0001	.0001	.0006	.15	.0015	.0022	.0010	.0001
%RSD	.1326	.1334	.2123	.0939	.2822	.2755	.2843	.1593	.2316
#1	1.930	.0482	.0669	.5961	54.57	.5518	.7854	.6525	.0508
#2	1.934	.0481	.0667	.5969	54.36	.5539	.7822	.6540	.0506

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4564**	**.6778**	**2.288**	**2.178**	**.5303**	**2.457**	**.7164**	**1.928**	**126.6**
Stddev	.0007	.0005	.005	.001	.0005	.004	.0018	.012	.3
%RSD	.1449	.0756	.2071	.0304	.0930	.1751	.2552	.6428	.2028
#1	.4559	.6775	2.285	2.178	.5307	2.454	.7151	1.919	126.7
#2	.4568	.6782	2.291	2.179	.5300	2.460	.7177	1.937	126.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.072**	**47.71**	**33.53**	**237.9**	**.6469**	**.0175**	**-.0056**	**11.04**	**-.0040**
Stddev	.002	.07	.01	.6	.0013	.0000	.0001	.01	.0003
%RSD	.2229	.1508	.0325	.2407	.2058	.1808	2.000	.0795	7.163
#1	1.070	47.77	33.54	238.3	.6460	.0175	-.0056	11.03	-.0038
#2	1.074	47.66	33.52	237.5	.6479	.0175	-.0057	11.04	-.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3094**	**.0054**	**-.0121**	**-.0056**	**91.63**	**.0766**	**.0135**
Stddev	.0010	.0004	.0013	.0001	.13	.0001	.0001
%RSD	.3244	7.115	10.53	1.924	.1369	.1224	.6156
#1	.3087	.0057	-.0112	-.0057	91.71	.0765	.0136
#2	.3101	.0051	-.0130	-.0055	91.54	.0766	.0134

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106600.**	**15282.**	**1872.3**	**5902.3**
Stddev	104.	42.	2.7	5.2
%RSD	.09780	.27620	.14488	.08856
#1	106520.	15252.	1874.3	5906.0
#2	106670.	15312.	1870.4	5898.6

Zoom In Zoom Out

Sample Name: mp79945-s2 Acquired: 6/11/2014 3:01:36 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.916**	**.0480**	**.0662**	**.5919**	**53.96**	**.5435**	**.7763**	**.6473**	**.0508**
Stddev	.001	.0001	.0000	.0022	.29	.0017	.0010	.0009	.0005
%RSD	.0712	.2299	.0398	.3763	.5378	.3218	.1275	.1432	.9435
#1	1.915	.0479	.0662	.5904	54.16	.5422	.7770	.6466	.0512
#2	1.917	.0480	.0662	.5935	53.75	.5447	.7756	.6479	.0505

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4507**	**.6747**	**2.268**	**2.164**	**.5271**	**2.436**	**.7093**	**1.906**	**125.3**
Stddev	.0006	.0003	.003	.001	.0004	.006	.0067	.000	.2
%RSD	.1363	.0454	.1417	.0595	.0683	.2402	.9391	.0203	.1329
#1	.4511	.6749	2.266	2.163	.5269	2.432	.7046	1.906	125.2
#2	.4502	.6745	2.270	2.165	.5274	2.440	.7140	1.906	125.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.067**	**47.33**	**33.37**	**234.6**	**.6403**	**.0170**	**-.0059**	**10.86**	**-.0030**
Stddev	.001	.14	.05	.9	.0024	.0002	.0001	.02	.0002
%RSD	.0632	.3056	.1560	.3767	.3807	1.298	1.096	.1928	8.301
#1	1.066	47.23	33.34	234.0	.6386	.0169	-.0059	10.84	-.0031
#2	1.067	47.43	33.41	235.3	.6420	.0172	-.0059	10.87	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3057**	**.0048**	**-.0138**	**-.0056**	**90.26**	**.0756**	**.0132**
Stddev	.0004	.0004	.0012	.0003	.15	.0013	.0002
%RSD	.1317	8.491	8.702	5.508	.1710	1.683	1.318
#1	.3060	.0045	-.0146	-.0058	90.15	.0765	.0133
#2	.3054	.0051	-.0129	-.0053	90.36	.0747	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107290.**	**15400.**	**1888.9**	**5948.5**
Stddev	162.	63.	3.3	14.8
%RSD	.15066	.40683	.17411	.24885
#1	107180.	15444.	1891.3	5959.0
#2	107410.	15355.	1886.6	5938.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 3:07:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.011**	**2.024**	**2.029**	**2.037**	**1.991**	**2.067**	**2.046**	**.2430**
Stddev	.001	.010	.003	.003	.005	.002	.004	.003	.0007
%RSD	.0583	.5125	.1578	.1371	.2328	.0893	.2052	.1380	.2929
#1	2.026	2.018	2.022	2.027	2.040	1.990	2.070	2.044	.2435
#2	2.025	2.004	2.027	2.031	2.033	1.992	2.064	2.048	.2425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.060**	**1.998**	**2.108**	**2.044**	**2.019**	**2.001**	**39.56**	**40.03**
Stddev	.004	.005	.001	.008	.001	.007	.001	.16	.13
%RSD	.1831	.2616	.0252	.3745	.0291	.3643	.0299	.4102	.3209
#1	2.017	2.056	1.998	2.114	2.043	2.024	2.001	39.67	40.12
#2	2.012	2.063	1.999	2.103	2.044	2.014	2.000	39.44	39.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.90**	**38.94**	**40.97**	**40.37**	**2.027**	**2.034**	**1.997**	**4.994**	**2.064**
Stddev	.19	.12	.11	.12	.001	.002	.002	.002	.002
%RSD	.4929	.3125	.2606	.2927	.0461	.0890	.1023	.0329	.0853
#1	39.03	39.02	41.04	40.45	2.026	2.032	1.996	4.993	2.063
#2	38.76	38.85	40.89	40.29	2.027	2.035	1.999	4.995	2.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 3:07:51 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.031**	**1.867**	**2.013**	**1.968**	**2.011**	**2.030**
Stddev	.004	.002	.028	.000	.012	.001	.006
%RSD	.2186	.0719	1.475	.0022	.6173	.0691	.2993
#1	2.068	2.032	1.848	2.013	1.976	2.010	2.034
#2	2.061	2.030	1.887	2.013	1.959	2.012	2.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105480.**	**14376.**	**2103.2**	**6486.8**
Stddev	34.	120.	2.2	7.7
%RSD	.03213	.83664	.10363	.11897
#1	105500.	14291.	2104.7	6492.3
#2	105450.	14461.	2101.7	6481.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 3:13:55 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0007**	F **.0008**	**.0013**	F **.0017**	**.0009**	**.0009**	**.0010**	**-.0004**
Stddev	.0000	.0000	.0002	.0002	.0001	.0001	.0001	.0003	.0003
%RSD	1.681	2.017	19.66	16.75	5.723	8.318	8.638	26.99	79.43
#1	.0010	.0007	.0009	.0015	.0018	.0010	.0009	.0012	-.0002
#2	.0009	.0007	.0007	.0012	.0017	.0009	.0010	.0008	-.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0012**	**.0018**	**.0007**	**.0007**	**.0019**	**.0005**	**.0178**	**.0172**
Stddev	.0004	.0001	.0003	.0001	.0003	.0005	.0004	.0001	.0018
%RSD	43.00	11.53	15.89	11.00	43.55	27.04	81.66	.6229	10.67
#1	.0007	.0013	.0016	.0007	.0009	.0015	.0008	.0179	.0159
#2	.0012	.0011	.0020	.0006	.0005	.0023	.0002	.0177	.0185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0198**	**.0414**	**.0603**	**.0348**	**.0018**	F **.0024**	**.0001**	**.0045**	**.0002**
Stddev	.0021	.0093	.0099	.0020	.0004	.0005	.0008	.0002	.0004
%RSD	10.83	22.44	16.40	5.633	23.81	19.23	756.4	5.389	179.3
#1	.0183	.0349	.0533	.0362	.0021	.0027	.0007	.0047	-.0001
#2	.0214	.0480	.0673	.0334	.0015	.0021	-.0005	.0043	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 3:13:55 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0009**	**.0114**	F **.0015**	**.0034**	**.0012**	**.0014**
Stddev	.0000	.0001	.0032	.0000	.0020	.0009	.0006
%RSD	4.454	12.89	28.34	1.432	59.38	73.32	44.42
#1	.0007	.0010	.0137	.0016	.0049	.0018	.0018
#2	.0008	.0008	.0091	.0015	.0020	.0006	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112460.**	**14475.**	**2197.9**	**7233.3**
Stddev	70.	106.	4.1	8.9
%RSD	.06203	.73198	.18552	.12366
#1	112510.	14550.	2200.8	7239.6
#2	112410.	14401.	2195.0	7227.0

Zoom In Zoom Out

Sample Name: jb68332-2fa Acquired: 6/11/2014 3:20:14 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0306**	**.0001**	**.0129**	**.0800**	**54.06**	**.3109**	**.2964**	**.1263**	**-.0002**
Stddev	.0001	.0001	.0002	.0000	.01	.0002	.0007	.0007	.0005
%RSD	.1760	57.25	1.262	.0414	.0219	.0603	.2495	.5534	266.2
#1	.0306	.0001	.0128	.0800	54.05	.3108	.2959	.1258	-.0005
#2	.0305	.0001	.0130	.0800	54.07	.3110	.2969	.1268	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0068**	**.1331**	**.0111**	**-.0140**	**.0105**	**.0067**	**.1629**	**.0412**	**102.7**
Stddev	.0002	.0003	.0010	.0007	.0002	.0032	.0022	.0019	.2
%RSD	3.443	.2187	9.251	5.106	1.815	48.36	1.321	4.561	.2086
#1	-.0066	.1329	.0118	-.0145	.0104	.0044	.1644	.0399	102.6
#2	-.0070	.1333	.0103	-.0135	.0107	.0089	.1614	.0425	102.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1173**	**24.26**	**8.632**	**213.8**	**.6365**	**.0180**	**-.0045**	**10.72**	**-.0029**
Stddev	.0013	.04	.017	3.7	.0002	.0001	.0004	.01	.0000
%RSD	1.093	.1674	.1986	1.742	.0242	.4742	7.940	.0517	.0321
#1	.1164	24.23	8.620	211.2	.6366	.0180	-.0042	10.72	-.0029
#2	.1182	24.29	8.644	216.4	.6364	.0179	-.0047	10.72	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3042**	**.0045**	**.0009**	**-.0051**	**89.25**	**.0763**	**.0133**
Stddev	.0001	.0003	.0009	.0000	.02	.0005	.0003
%RSD	.0342	6.005	101.6	.7391	.0275	.6366	2.299
#1	.3041	.0047	.0016	-.0051	89.26	.0759	.0130
#2	.3043	.0043	.0003	-.0051	89.23	.0766	.0135

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107800.**	**15338.**	**1903.5**	**6025.3**
Stddev	31.	90.	.0	.1
%RSD	.02899	.58479	.00016	.00162
#1	107830.	15401.	1903.5	6025.3
#2	107780.	15274.	1903.5	6025.4

Zoom In Zoom Out

Sample Name: mp79945-sd1 Acquired: 6/11/2014 3:26:34 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0314**	**-.0002**	**.0124**	**.0769**	**61.49**	**.3205**	**.3183**	**.1261**	**-.0006**
Stddev	.0004	.0002	.0005	.0003	.04	.0020	.0003	.0000	.0004
%RSD	1.207	90.13	4.311	.4188	.0638	.6098	.0859	.0383	70.57
#1	.0317	-.0001	.0120	.0767	61.47	.3191	.3181	.1261	-.0003
#2	.0311	-.0004	.0128	.0771	61.52	.3218	.3185	.1262	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.1529**	**.0076**	**-.0123**	**.0169**	**.0248**	**.0484**	**.0565**	**105.6**
Stddev	.0006	.0008	.0009	.0004	.0049	.0002	.0028	.0027	1.8
%RSD	15.24	.5245	11.35	3.161	29.06	.8556	5.883	4.745	1.704
#1	.0034	.1523	.0070	-.0126	.0204	.0246	.0464	.0583	104.4
#2	.0042	.1534	.0082	-.0120	.0135	.0249	.0504	.0546	106.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1258**	**25.14**	**8.757**	**220.9**	**.6060**	**.0161**	**-.0067**	**10.22**	**.0032**
Stddev	.0042	.31	.189	3.5	.0014	.0004	.0064	.03	.0008
%RSD	3.306	1.253	2.160	1.580	.2302	2.326	94.70	.2543	23.71
#1	.1229	24.91	8.623	218.4	.6050	.0158	-.0022	10.21	.0038
#2	.1288	25.36	8.891	223.3	.6070	.0163	-.0112	10.24	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3094**	**.0036**	**-.0308**	**-.0073**	**83.27**	**.0774**	**.0177**
Stddev	.0057	.0003	.0025	.0003	.18	.0002	.0066
%RSD	1.835	7.925	8.197	4.560	.2154	.2759	37.36
#1	.3054	.0038	-.0291	-.0075	83.14	.0773	.0130
#2	.3135	.0034	-.0326	-.0071	83.39	.0776	.0224

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**109840.**	**15237.**	**2107.4**	**6714.3**
Stddev	384.	223.	2.1	5.0
%RSD	.34946	1.4644	.10140	.07379
#1	110110.	15395.	2108.9	6717.8
#2	109570.	15080.	2105.8	6710.8

Zoom In Zoom Out

Sample Name: jb68336-21f Acquired: 6/11/2014 3:32:47 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4266**	**.0000**	**.0005**	**.0028**	**.0026**	**.0008**	**3.712**	**.0014**	**-.0006**
Stddev	.0005	.0000	.0003	.0001	.0000	.0000	.007	.0001	.0001
%RSD	.1096	27.68	54.37	4.265	1.298	3.703	.2017	8.016	24.04
#1	.4269	.0000	.0007	.0028	.0026	.0008	3.717	.0013	-.0005
#2	.4263	.0000	.0003	.0027	.0026	.0008	3.706	.0015	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0050**	**.0100**	**.0018**	**.0009**	**.0122**	**-.0002**	**.0006**	**141.5**
Stddev	.0002	.0001	.0007	.0003	.0005	.0013	.0003	.0021	.2
%RSD	74.15	2.549	6.535	16.25	54.84	10.96	182.7	347.6	.1160
#1	-.0004	-.0051	.0104	.0016	.0012	.0113	.0001	.0021	141.4
#2	-.0001	-.0049	.0095	.0020	.0005	.0132	-.0004	-.0009	141.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.51**	**59.29**	**6.445**	**473.4**	**.0485**	**-.0021**	**-.0055**	**16.85**	**.0013**
Stddev	.02	.05	.026	.2	.0001	.0000	.0027	.03	.0009
%RSD	.0436	.0916	.4107	.0494	.1060	1.071	50.05	.1958	67.57
#1	48.49	59.26	6.426	473.6	.0485	-.0021	-.0035	16.83	.0007
#2	48.52	59.33	6.463	473.3	.0485	-.0021	-.0074	16.88	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.013**	**.0008**	**-.0047**	**-.0009**	**.8353**	**.0016**	**.0061**
Stddev	.000	.0003	.0006	.0001	.0020	.0013	.0004
%RSD	.0292	31.50	13.96	12.92	.2347	82.03	7.138
#1	1.013	.0006	-.0051	-.0008	.8339	.0007	.0058
#2	1.013	.0010	-.0042	-.0010	.8367	.0025	.0064

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96692.**	**14035.**	**1925.8**	**5752.8**
Stddev	90.	25.	2.1	6.2
%RSD	.09277	.17906	.11032	.10748
#1	96629.	14053.	1927.3	5757.1
#2	96756.	14017.	1924.3	5748.4

Zoom In Zoom Out

Sample Name: jb68336-22f Acquired: 6/11/2014 3:39:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1742**	**.0000**	**.0002**	**-.0005**	**.0015**	**.0012**	**.5190**	**.0005**	**.0002**
Stddev	.0004	.0000	.0000	.0001	.0002	.0003	.0000	.0001	.0000
%RSD	.2421	61.33	21.06	25.27	14.62	25.77	.0052	10.77	20.00
#1	.1739	.0001	.0002	-.0006	.0014	.0010	.5190	.0005	.0002
#2	.1745	.0000	.0002	-.0004	.0017	.0014	.5190	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0028**	**.0048**	**.0015**	**.0050**	**.0106**	**-.0016**	**.0085**	**82.67**
Stddev	.0002	.0000	.0000	.0021	.0005	.0022	.0000	.0011	.25
%RSD	52.37	.3615	.9019	137.2	9.694	20.87	2.883	13.41	.3038
#1	.0003	-.0028	.0049	.0000	.0053	.0121	-.0017	.0077	82.49
#2	.0005	-.0028	.0048	.0030	.0047	.0090	-.0016	.0093	82.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.592**	**16.62**	**6.592**	**94.51**	**.0537**	**.0003**	**-.0033**	**11.59**	**.0023**
Stddev	.000	.03	.001	.26	.0004	.0000	.0000	.01	.0004
%RSD	.0083	.1793	.0101	.2716	.8271	5.854	.0175	.0849	17.92
#1	3.592	16.60	6.593	94.33	.0540	.0002	-.0033	11.60	.0020
#2	3.593	16.64	6.592	94.70	.0533	.0003	-.0033	11.58	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4631**	**.0003**	**-.0099**	**-.0005**	**1.290**	**.0001**	**.0045**
Stddev	.0007	.0004	.0008	.0002	.002	.0000	.0005
%RSD	.1439	110.5	7.765	32.23	.1297	13.43	11.74
#1	.4636	.0001	-.0094	-.0004	1.292	.0001	.0041
#2	.4627	.0006	-.0105	-.0006	1.289	.0001	.0049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104350.**	**14376.**	**2057.1**	**6379.9**
Stddev	144.	90.	.6	.1
%RSD	.13829	.62413	.02869	.00149
#1	104240.	14440.	2056.7	6380.0
#2	104450.	14313.	2057.6	6379.8

Zoom In Zoom Out

Sample Name: jb68336-23f Acquired: 6/11/2014 3:45:16 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3354**	**.0000**	**.0003**	**.0047**	**.0017**	**.0115**	**.0626**	**.0051**	**-.0001**
Stddev	.0003	.0000	.0000	.0003	.0003	.0003	.0000	.0003	.0003
%RSD	.0870	22.93	11.60	6.114	17.75	2.182	.0430	6.464	641.4
#1	.3356	.0001	.0003	.0045	.0019	.0114	.0626	.0053	.0002
#2	.3352	.0000	.0002	.0049	.0015	.0117	.0625	.0049	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0495**	**.0009**	**.0010**	**.0037**	**.0117**	**-.0014**	**.0064**	**123.5**
Stddev	.0002	.0001	.0000	.0005	.0012	.0000	.0004	.0049	.2
%RSD	37.31	.1650	3.281	51.83	32.30	.3759	27.81	76.24	.1967
#1	.0003	.0496	.0009	.0014	.0029	.0117	-.0016	.0099	123.7
#2	.0006	.0494	.0008	.0006	.0046	.0117	-.0011	.0030	123.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0637**	**44.82**	**7.015**	**181.6**	**.0851**	**.0028**	**-.0041**	**11.64**	**.0022**
Stddev	.0005	.17	.025	.1	.0000	.0001	.0004	.02	.0003
%RSD	.7291	.3902	.3605	.0295	.0337	4.884	10.36	.1584	12.16
#1	.0634	44.94	7.032	181.6	.0852	.0027	-.0038	11.65	.0020
#2	.0640	44.69	6.997	181.5	.0851	.0029	-.0044	11.63	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8902**	**.0010**	**-.0107**	**-.0004**	**1.979**	**.0006**	**.0068**
Stddev	.0017	.0002	.0009	.0001	.012	.0005	.0003
%RSD	.1957	23.66	8.824	31.89	.6203	73.57	4.839
#1	.8915	.0008	-.0100	-.0003	1.988	.0003	.0065
#2	.8890	.0011	-.0113	-.0005	1.971	.0009	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100980.**	**14222.**	**1991.9**	**6084.5**
Stddev	104.	8.	3.7	13.1
%RSD	.10294	.05724	.18706	.21610
#1	100900.	14216.	1989.2	6075.2
#2	101050.	14228.	1994.5	6093.8

Zoom In Zoom Out

Sample Name: jb68336-24f Acquired: 6/11/2014 3:51:32 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1604**	**.0001**	**.0002**	**.0005**	**.0016**	**.0007**	**1.464**	**.0004**	**.0000**
Stddev	.0003	.0000	.0001	.0001	.0004	.0000	.000	.0001	.0001
%RSD	.1563	16.45	79.18	18.92	25.98	5.835	.0116	13.75	155.0
#1	.1602	.0001	.0003	.0006	.0013	.0007	1.464	.0005	.0001
#2	.1606	.0001	.0001	.0005	.0019	.0008	1.465	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0016**	**.0138**	**-.0035**	**.0029**	**.0111**	**-.0013**	**.0061**	**74.24**
Stddev	.000	.0000	.0008	.0031	.0001	.0001	.0006	.0108	.14
%RSD	2030.	2.759	5.651	87.35	1.948	.8144	41.80	175.9	.1825
#1	-.0002	-.0016	.0144	-.0057	.0029	.0110	-.0009	.0137	74.15
#2	.0002	-.0016	.0133	-.0014	.0028	.0111	-.0017	-.0015	74.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.65**	**62.37**	**9.961**	**58.10**	**.1156**	**-.0004**	**-.0034**	**13.64**	**.0025**
Stddev	.01	.15	.004	.02	.0005	.0001	.0007	.01	.0001
%RSD	.0698	.2419	.0446	.0291	.4293	28.34	19.23	.0652	4.444
#1	16.64	62.26	9.964	58.09	.1153	-.0003	-.0038	13.65	.0025
#2	16.66	62.47	9.958	58.11	.1160	-.0005	-.0029	13.64	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5035**	**.0005**	**-.0106**	**-.0011**	**.7005**	**.0006**	**.0072**
Stddev	.0007	.0001	.0004	.0001	.0003	.0004	.0020
%RSD	.1318	26.32	3.854	9.088	.0404	66.38	28.14
#1	.5030	.0006	-.0103	-.0011	.7003	.0009	.0058
#2	.5039	.0004	-.0109	-.0012	.7007	.0003	.0086

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104750.**	**14350.**	**2056.7**	**6410.6**
Stddev	41.	76.	.9	7.0
%RSD	.03957	.52899	.04222	.10916
#1	104720.	14403.	2056.1	6405.6
#2	104780.	14296.	2057.3	6415.5

Zoom In Zoom Out

Sample Name: jb68336-25f Acquired: 6/11/2014 3:57:42 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0585**	**.0000**	**.0000**	**.0005**	**.0014**	**.0005**	**.4239**	**.0005**	**-.0002**
Stddev	.0002	.0000	.0001	.0000	.0001	.0002	.0008	.0001	.0004
%RSD	.3712	70.46	206.6	1.922	7.036	31.53	.1892	18.89	189.8
#1	.0587	.0000	.0000	.0005	.0014	.0006	.4233	.0005	-.0005
#2	.0584	.0000	.0001	.0005	.0013	.0004	.4245	.0006	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**.0011**	**.0016**	**.0011**	**.0079**	**-.0010**	**.0424**	**45.10**
Stddev	.001	.0001	.0005	.0027	.0005	.0004	.0011	.0033	.17
%RSD	2047.	60.13	39.82	170.7	44.83	5.107	114.1	7.741	.3831
#1	-.0004	-.0001	.0008	.0034	.0008	.0082	-.0018	.0401	45.22
#2	.0004	-.0002	.0015	-.0003	.0015	.0076	-.0002	.0447	44.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.42**	**40.71**	**4.742**	**37.69**	**.0746**	**.0001**	**-.0015**	**6.477**	**.0024**
Stddev	.03	.17	.012	.03	.0011	.0002	.0009	.016	.0008
%RSD	.2445	.4082	.2585	.0756	1.455	207.1	56.03	.2509	33.40
#1	12.45	40.83	4.733	37.71	.0739	.0000	-.0021	6.465	.0030
#2	12.40	40.59	4.750	37.67	.0754	.0002	-.0009	6.488	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3874**	**.0011**	**-.0114**	**.0000**	**.2114**	**.0004**	**.0010**
Stddev	.0009	.0000	.0012	.0000	.0010	.0005	.0006
%RSD	.2274	3.606	10.82	140.3	.4785	138.8	64.40
#1	.3880	.0011	-.0123	.0001	.2107	.0000	.0005
#2	.3868	.0012	-.0105	.0000	.2121	.0008	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105840.**	**14360.**	**2082.4**	**6568.4**
Stddev	163.	44.	5.2	13.2
%RSD	.15445	.30809	.24997	.20150
#1	105960.	14329.	2086.0	6577.8
#2	105730.	14391.	2078.7	6559.1

Zoom In Zoom Out

Sample Name: jb68336-26f Acquired: 6/11/2014 4:03:54 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2293**	**.0003**	**.0003**	**.0018**	**.0016**	**.0004**	**2.511**	**.0003**	**.0003**
Stddev	.0018	.0000	.0002	.0001	.0002	.0001	.084	.0002	.0003
%RSD	.7933	11.08	58.98	5.600	9.401	14.16	3.354	59.67	78.74
#1	.2280	.0003	.0004	.0017	.0015	.0004	2.571	.0002	.0002
#2	.2305	.0004	.0002	.0019	.0017	.0003	2.452	.0005	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0024**	**.0043**	**-.0073**	**.0014**	**.0113**	**-.0009**	**.0317**	**47.29**
Stddev	.0001	.0001	.0003	.0020	.0000	.0004	.0009	.0030	.18
%RSD	672.0	5.256	5.868	27.23	2.924	3.238	104.8	9.383	.3764
#1	.0000	-.0023	.0041	-.0059	.0014	.0116	-.0002	.0296	47.17
#2	.0000	-.0025	.0044	-.0087	.0014	.0111	-.0016	.0338	47.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.18**	**51.14**	**19.48**	**31.64**	**.0878**	**-.0018**	**-.0029**	**11.81**	**.0011**
Stddev	.12	.09	.09	.18	.0001	.0001	.0002	.01	.0002
%RSD	.3456	.1750	.4672	.5737	.0968	6.587	5.625	.0610	17.12
#1	35.10	51.08	19.41	31.51	.0878	-.0017	-.0030	11.80	.0010
#2	35.27	51.20	19.54	31.77	.0877	-.0018	-.0027	11.81	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3260**	**.0008**	**-.0104**	**-.0016**	**1.109**	**.0005**	**.0026**
Stddev	.0019	.0002	.0010	.0001	.004	.0001	.0007
%RSD	.5854	18.36	10.09	3.706	.3687	11.11	25.97
#1	.3246	.0009	-.0096	-.0016	1.112	.0004	.0031
#2	.3273	.0007	-.0111	-.0017	1.106	.0005	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107180.**	**14173.**	**2084.7**	**6581.6**
Stddev	3193.	1.	.8	1.7
%RSD	2.9790	.00579	.04005	.02576
#1	104920.	14173.	2085.3	6580.4
#2	109440.	14174.	2084.1	6582.8

Zoom In Zoom Out

Sample Name: jb68336-27f Acquired: 6/11/2014 4:10:05 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0676**	**.0000**	**.0003**	**-.0002**	**.0009**	**.0004**	**.0885**	**.0002**	**-.0004**
Stddev	.0001	.000	.0001	.0000	.0001	.0002	.0002	.0000	.0001
%RSD	.1970	119.0	20.40	1.033	11.11	66.43	.2020	3.048	16.95
#1	.0675	-.0001	.0004	-.0002	.0008	.0005	.0884	.0002	-.0005
#2	.0677	.0000	.0003	-.0002	.0010	.0002	.0886	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0044**	**.0024**	**.0033**	**.0012**	**.0101**	**-.0001**	**.0380**	**68.56**
Stddev	.0000	.0001	.0002	.0015	.0001	.0007	.0009	.0118	.16
%RSD	48.66	1.153	8.596	46.22	4.930	7.257	698.9	31.10	.2327
#1	.0000	-.0045	.0023	.0044	.0013	.0095	.0005	.0297	68.67
#2	-.0001	-.0044	.0025	.0022	.0012	.0106	-.0008	.0464	68.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.91**	**92.44**	**2.590**	**17.32**	**.1118**	**-.0006**	**-.0041**	**12.82**	**.0026**
Stddev	.02	.21	.015	.01	.0004	.0000	.0003	.02	.0007
%RSD	.1215	.2219	.5964	.0734	.3344	1.975	6.715	.1579	26.36
#1	19.92	92.58	2.579	17.33	.1120	-.0006	-.0039	12.84	.0021
#2	19.89	92.29	2.601	17.31	.1115	-.0006	-.0043	12.81	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4122**	**.0016**	**-.0120**	**-.0016**	**.1885**	**-.0002**	**.0017**
Stddev	.0003	.0003	.0007	.0000	.0006	.0001	.0008
%RSD	.0631	16.30	5.857	2.016	.3001	51.82	48.50
#1	.4121	.0014	-.0115	-.0016	.1881	-.0002	.0011
#2	.4124	.0018	-.0125	-.0016	.1889	-.0001	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104410.**	**14266.**	**2058.8**	**6484.1**
Stddev	143.	31.	2.1	5.8
%RSD	.13700	.21556	.10412	.08991
#1	104510.	14244.	2057.3	6480.0
#2	104310.	14288.	2060.3	6488.2

Zoom In Zoom Out

Sample Name: jb68510-1 Acquired: 6/11/2014 4:16:18 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2350**	**.0000**	**.0000**	**-.0002**	**.0019**	**.0071**	**.1864**	**.0016**	**.0002**
Stddev	.0003	.000	.000	.0002	.0003	.0001	.0000	.0003	.0005
%RSD	.1326	43.81	303.2	69.22	15.42	1.143	.0199	18.02	255.2
#1	.2352	-.0001	.0000	-.0004	.0017	.0071	.1864	.0018	-.0002
#2	.2348	.0000	-.0001	-.0001	.0021	.0072	.1864	.0014	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.7009**	**.0004**	**.0027**	**.0027**	**.0111**	**-.0005**	**.0767**	**186.5**
Stddev	.0002	.0011	.0000	.0038	.0002	.0002	.0006	.0068	.1
%RSD	148.6	.1549	4.243	141.5	8.729	1.655	121.4	8.856	.0397
#1	.0000	.7001	.0004	.0000	.0028	.0112	-.0001	.0815	186.4
#2	.0002	.7016	.0004	.0054	.0025	.0109	-.0009	.0719	186.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1131**	**33.00**	**2.940**	**294.2**	**.0332**	**.0001**	**-.0064**	**7.880**	**.0015**
Stddev	.0007	.04	.020	3.5	.0005	.0002	.0009	.020	.0004
%RSD	.6386	.1232	.6814	1.189	1.417	138.3	13.72	.2578	24.40
#1	.1136	33.03	2.954	291.7	.0328	.0002	-.0057	7.865	.0017
#2	.1126	32.97	2.925	296.7	.0335	.0000	-.0070	7.894	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2208**	**.0026**	**-.0130**	**.0007**	**15.24**	**.0004**	**.0060**
Stddev	.0001	.0003	.0008	.0002	.03	.0016	.0001
%RSD	.0400	10.86	6.101	25.22	.2242	374.2	1.426
#1	.2209	.0027	-.0135	.0008	15.21	-.0007	.0060
#2	.2208	.0024	-.0124	.0006	15.26	.0015	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98490.**	**14107.**	**1959.2**	**5882.4**
Stddev	58.	21.	3.4	8.0
%RSD	.05873	.14812	.17260	.13634
#1	98531.	14122.	1961.6	5888.1
#2	98449.	14093.	1956.8	5876.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 4:22:37 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.008**	**2.027**	**2.034**	**2.032**	**1.982**	**2.064**	**2.046**	**.2433**
Stddev	.002	.002	.005	.002	.003	.001	.003	.003	.0003
%RSD	.1059	.0810	.2636	.1085	.1574	.0440	.1207	.1620	.1281
#1	2.026	2.009	2.023	2.032	2.030	1.982	2.062	2.044	.2431
#2	2.029	2.007	2.031	2.035	2.035	1.983	2.066	2.049	.2436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.061**	**1.995**	**2.118**	**2.043**	**2.018**	**2.001**	**39.67**	**39.85**
Stddev	.004	.005	.000	.017	.003	.001	.004	.03	.19
%RSD	.2040	.2270	.0005	.7825	.1566	.0345	.1909	.0645	.4877
#1	2.004	2.057	1.995	2.130	2.041	2.018	1.999	39.69	39.99
#2	2.010	2.064	1.995	2.107	2.045	2.019	2.004	39.65	39.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.65**	**38.67**	**41.15**	**40.43**	**2.028**	**2.031**	**2.004**	**4.994**	**2.063**
Stddev	.13	.26	.01	.03	.002	.006	.004	.008	.003
%RSD	.3243	.6820	.0332	.0778	.0778	.2791	.1967	.1625	.1615
#1	38.74	38.86	41.14	40.41	2.027	2.027	2.001	4.988	2.061
#2	38.56	38.49	41.16	40.45	2.029	2.035	2.006	4.999	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 4:22:37 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**2.029**	**1.864**	**2.012**	**1.963**	**2.010**	**2.039**
Stddev	.001	.002	.029	.002	.005	.003	.003
%RSD	.0242	.0939	1.542	.0855	.2649	.1553	.1202
#1	2.062	2.027	1.843	2.011	1.966	2.008	2.037
#2	2.062	2.030	1.884	2.013	1.959	2.012	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105380.**	**14268.**	**2103.2**	**6488.5**
Stddev	154.	107.	3.0	2.1
%RSD	.14650	.75137	.14229	.03203
#1	105490.	14192.	2105.4	6489.9
#2	105270.	14344.	2101.1	6487.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 4:28:41 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0007**	F **.0006**	**.0009**	**.0010**	**.0007**	**.0009**	**.0005**	**.0001**
Stddev	.0001	.0000	.0000	.0000	.0000	.0001	.0000	.0002	.0001
%RSD	6.271	2.755	6.731	4.638	2.594	18.67	3.444	31.91	106.5
#1	.0008	.0007	.0006	.0009	.0010	.0007	.0009	.0006	.0002
#2	.0009	.0007	.0007	.0009	.0010	.0006	.0008	.0004	.0000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0013**	**.0020**	**.0013**	**.0021**	**.0001**	**.0145**	**.0139**
Stddev	.0001	.0000	.0008	.0005	.0006	.0004	.0010	.0028	.0016
%RSD	5.812	.2294	57.37	25.33	50.40	21.15	1851.	19.28	11.36
#1	.0010	.0009	.0008	.0023	.0017	.0024	-.0006	.0164	.0128
#2	.0009	.0009	.0018	.0016	.0008	.0018	.0007	.0125	.0150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0159**	**.0341**	**.0377**	**.0215**	**.0010**	F **.0021**	**.0004**	**.0047**	**-.0001**
Stddev	.0011	.0166	.0015	.0078	.0003	.0001	.0003	.0000	.0004
%RSD	6.710	48.67	4.022	36.35	29.48	3.693	93.65	.5757	495.2
#1	.0151	.0459	.0388	.0160	.0012	.0022	.0006	.0048	.0002
#2	.0167	.0224	.0366	.0270	.0008	.0020	.0001	.0047	-.0004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 4:28:41 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0009**	**.0111**	F **.0015**	**.0013**	**.0008**	**.0015**
Stddev	.0000	.0006	.0028	.0000	.0005	.0005	.0011
%RSD	7.088	65.54	25.64	.1078	40.10	57.86	77.23
#1	.0006	.0005	.0131	.0015	.0017	.0012	.0023
#2	.0007	.0014	.0091	.0015	.0009	.0005	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112070.**	**14431.**	**2198.6**	**7245.1**
Stddev	116.	36.	2.1	9.4
%RSD	.10353	.25275	.09674	.12942
#1	111990.	14405.	2200.1	7251.7
#2	112160.	14456.	2197.1	7238.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 4:34:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2070**	**.0022**	**.0033**	**.0515**	**.0113**	**.0104**	**.0166**	**.0106**	**.0052**
Stddev	.0001	.0000	.0001	.0000	.0003	.0000	.0001	.0001	.0004
%RSD	.0544	.6169	3.780	.0743	2.673	.2338	.4150	1.278	8.007
#1	.2071	.0022	.0032	.0515	.0111	.0104	.0166	.0107	.0049
#2	.2069	.0023	.0034	.0516	.0115	.0104	.0165	.0105	.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0530**	**.0235**	**.0085**	**.0087**	**.0033**	**.0120**	**.0059**	**.2017**	**5.046**
Stddev	.0001	.0001	.0000	.0007	.0007	.0011	.0001	.0012	.002
%RSD	.1172	.2833	.4700	8.071	20.89	9.355	2.264	.5710	.0477
#1	.0531	.0235	.0085	.0082	.0028	.0112	.0060	.2025	5.044
#2	.0530	.0236	.0085	.0092	.0038	.0128	.0058	.2009	5.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1067**	**5.137**	**5.338**	**5.067**	**.1055**	**.0216**	**.0581**	**.2192**	**.0109**
Stddev	.0003	.029	.043	.002	.0008	.0000	.0001	.0000	.0006
%RSD	.2580	.5658	.8002	.0395	.7390	.0404	.1856	.0205	5.347
#1	.1065	5.157	5.308	5.068	.1049	.0216	.0582	.2192	.0113
#2	.1069	5.116	5.368	5.065	.1060	.0216	.0580	.2191	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 4:34:59 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	**.0110**	**.0540**	**.0120**	**.0517**	**.0213**	**.0234**
Stddev	.0001	.0002	.0010	.0002	.0001	.0002	.0004
%RSD	.6017	1.579	1.873	1.618	.2877	.8016	1.913
#1	.0109	.0108	.0547	.0122	.0516	.0212	.0231
#2	.0108	.0111	.0532	.0119	.0518	.0214	.0237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**110270.**	**14309.**	**2181.9**	**7074.2**
Stddev	85.	13.	4.4	3.7
%RSD	.07731	.09377	.20027	.05210
#1	110330.	14318.	2185.0	7076.9
#2	110210.	14299.	2178.9	7071.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 4:41:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0010**	**.0011**	**.0035**	**.0024**	**.0020**	**.0034**	**.0044**	**.0010**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0000	.0000	.0000
%RSD	2.339	3.721	.5765	2.845	7.946	3.614	.6135	1.089	3.579
#1	.0043	.0010	.0011	.0035	.0023	.0020	.0034	.0044	.0010
#2	.0042	.0010	.0011	.0034	.0025	.0021	.0033	.0044	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	F **.0136**	**.0038**	**.0017**	**.0032**	F **.0085**	**.0031**	**.1043**	**1.054**
Stddev	.0000	.0004	.0004	.0009	.0008	.0002	.0007	.0034	.005
%RSD	1.635	2.602	11.40	52.48	26.20	2.605	21.98	3.278	.4438
#1	.0024	.0134	.0035	.0023	.0026	.0087	.0026	.1019	1.051
#2	.0023	.0139	.0041	.0011	.0037	.0084	.0036	.1067	1.058
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100				.0050			
Range		30.00%				30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	F **.1309**	**2.182**	**1.050**	**.0105**	**-.0003**	**-.0005**	**-.0020**	**.0003**
Stddev	.0017	.0044	.023	.003	.0005	.0002	.0001	.0002	.0002
%RSD	37.51	3.387	1.064	.2624	4.385	49.24	21.78	9.150	49.83
#1	.0059	.1340	2.166	1.048	.0102	-.0004	-.0004	-.0018	.0005
#2	.0034	.1277	2.199	1.052	.0109	-.0002	-.0005	-.0021	.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 4:41:13 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**-.0070**	**-.0002**	**.0005**	**.0005**	**.0007**
Stddev	.0000	.0002	.0013	.0001	.0005	.0004	.0005
%RSD	.4015	104.4	18.36	60.56	108.9	76.24	69.57
#1	-.0001	.0003	-.0061	-.0001	.0008	.0008	.0011
#2	-.0001	.0000	-.0079	-.0003	.0001	.0002	.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111590.**	**14417.**	**2170.5**	**7101.7**
Stddev	219.	50.	35.6	103.2
%RSD	.19655	.34918	1.6399	1.4536
#1	111750.	14453.	2195.6	7174.7
#2	111440.	14382.	2145.3	7028.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 4:47:31 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0002**	**.0001**	**.0001**	**-.0001**	**.0000**	**.0005**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0000	.000	.0001	.0000
%RSD	149.6	25.03	87.27	63.05	7.213	24.69	732.1	28.66	17.67
#1	.0000	-.0001	-.0001	.0002	.0001	.0000	.0000	.0006	.0002
#2	.0001	-.0001	-.0003	.0001	.0001	-.0001	.0000	.0004	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0018**	**.0197**	**.0016**	**.0210**	**.0251**	**.0194**	**.4693**	**.0075**
Stddev	.0001	.0000	.0011	.0002	.0001	.0017	.0013	.0038	.0015
%RSD	96.75	.0561	5.602	12.29	.6886	6.724	6.740	.8175	19.76
#1	.0000	.0018	.0189	.0015	.0211	.0263	.0185	.4665	.0064
#2	.0002	.0018	.0204	.0018	.0209	.0239	.0203	.4720	.0085
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4800**	**.0016**	**-.0015**	**-.0017**	**-.0006**	**-.0005**	**-.0001**	**.0013**	**.0003**
Stddev	.0037	.0077	.0190	.0039	.0006	.0000	.0001	.0003	.0000
%RSD	.7704	468.7	1287.	232.1	90.46	9.638	164.0	22.58	15.20
#1	.4826	.0071	.0119	-.0045	-.0010	-.0005	.0000	.0011	.0003
#2	.4774	-.0038	-.0149	.0011	-.0002	-.0005	-.0002	.0015	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 4:47:31 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0002**	**-.0085**	**-.0003**	**.0024**	**.0001**	**.0007**
Stddev	.0000	.0002	.0001	.0001	.0000	.0005	.0005
%RSD	32.12	121.0	.7422	26.35	.0848	509.3	68.06
#1	-.0001	.0000	-.0085	-.0003	.0024	.0004	.0010
#2	-.0002	-.0003	-.0086	-.0004	.0024	-.0003	.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**111790.**	**14925.**	**2206.2**	**7237.0**
Stddev	35.	140.	3.6	7.0
%RSD	.03113	.94092	.16153	.09677
#1	111810.	15025.	2208.7	7242.0
#2	111770.	14826.	2203.7	7232.0

Zoom In Zoom Out

Sample Name: Siconf Acquired: 6/11/2014 4:53:49 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**-.0001**	**.0000**	**.0000**	**.0002**	**-.0003**	**-.0018**	**.0000**	**.0000**
Stddev	.0001	.0000	.000	.0000	.0000	.0001	.0000	.0001	.000
%RSD	14.33	7.300	1959.	634.8	12.37	23.07	2.287	407.7	1.854
#1	.0006	-.0001	-.0001	.0000	.0002	-.0003	-.0018	.0000	.0000
#2	.0007	-.0001	.0001	.0000	.0002	-.0004	-.0018	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0023**	**.0006**	**.0015**	**.0001**	**.0065**	**.0006**	**.0221**	**.0282**
Stddev	.0000	.0001	.0007	.0001	.0007	.0004	.0002	.0018	.0021
%RSD	38.37	5.114	124.3	6.587	586.0	6.726	35.97	8.301	7.544
#1	.0000	-.0022	.0001	.0015	-.0004	.0068	.0008	.0234	.0267
#2	.0001	-.0023	.0010	.0016	.0006	.0062	.0005	.0208	.0297

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0135**	**.0126**	**.0246**	**.0042**	**.0039**	**-.0004**	**-.0011**	**12.84**	**.0003**
Stddev	.0015	.0080	.0250	.0002	.0002	.0002	.0009	.00	.0003
%RSD	10.99	63.72	101.5	3.853	4.286	51.52	84.70	.0275	111.5
#1	.0125	.0069	.0422	.0043	.0040	-.0002	-.0017	12.83	.0001
#2	.0146	.0182	.0069	.0041	.0038	-.0005	-.0004	12.84	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0014**	**-.0047**	**.0142**	**.0027**	**-.0012**	**.0007**
Stddev	.0000	.0001	.0004	.0011	.0014	.0005	.0007
%RSD	178.3	7.378	7.826	8.014	51.51	38.11	98.47
#1	.0000	.0015	-.0049	.0150	.0017	-.0009	.0002
#2	.0000	.0013	-.0044	.0134	.0036	-.0015	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112270.**	**14424.**	**2208.7**	**7251.5**
Stddev	280.	10.	.4	.5
%RSD	.24952	.07278	.01736	.00665
#1	112070.	14431.	2209.0	7251.9
#2	112470.	14416.	2208.5	7251.2

Zoom In Zoom Out

Sample Name: Ticonf Acquired: 6/11/2014 5:00:06 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0009**	**.0003**	**-.0047**	**.0012**	**-.0008**	**-.0009**	**-.0010**	**.0008**
Stddev	.0000	.0000	.0000	.0002	.0001	.0000	.0000	.0000	.0002
%RSD	4.338	.2658	9.694	4.776	9.176	3.811	1.735	2.846	31.59
#1	.0003	.0009	.0003	-.0045	.0013	-.0008	-.0009	-.0010	.0009
#2	.0003	.0009	.0003	-.0048	.0011	-.0008	-.0009	-.0010	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0049**	**.0017**	**.0005**	**.0008**	**.0021**	**.0032**	**.0887**	**.0310**
Stddev	.0001	.0000	.0004	.0009	.0006	.0007	.0012	.0052	.0030
%RSD	11.40	.8272	25.25	191.3	77.86	31.99	38.43	5.823	9.615
#1	.0012	.0049	.0014	-.0002	.0003	.0016	.0023	.0850	.0289
#2	.0010	.0048	.0020	.0011	.0012	.0026	.0040	.0923	.0331

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0180**	**-.0363**	**.0106**	**-.0083**	**.0003**	**-.0036**	**-.0055**	**.0592**	**-.0002**
Stddev	.0014	.0125	.0082	.0016	.0006	.0003	.0004	.0036	.0003
%RSD	8.052	34.46	77.35	19.71	195.4	7.338	6.590	6.074	121.0
#1	.0190	-.0275	.0048	-.0095	-.0001	-.0034	-.0053	.0617	.0000
#2	.0170	-.0452	.0164	-.0072	.0008	-.0037	-.0058	.0566	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**10.15**	**-.0104**	**.0029**	**.0036**	**-.0165**	**.0008**
Stddev	.000	.01	.0006	.0000	.0001	.0005	.0004
%RSD	1352.	.1399	5.331	.3924	2.186	2.944	42.76
#1	.0000	10.14	-.0100	.0029	.0036	-.0168	.0011
#2	.0000	10.16	-.0108	.0029	.0037	-.0161	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112210.**	**14444.**	**2218.5**	**7263.7**
Stddev	217.	51.	6.0	11.9
%RSD	.19326	.35144	.27018	.16365
#1	112360.	14409.	2214.2	7255.3
#2	112050.	14480.	2222.7	7272.1

Zoom In Zoom Out

Sample Name: Vconf Acquired: 6/11/2014 5:06:23 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0007**	**.0002**	**.0004**	**.0003**	**-.0033**	**-.0001**	**.0000**	**.0004**
Stddev	.0001	.0003	.0001	.0001	.0005	.0002	.0000	.000	.0001
%RSD	333.9	48.33	48.65	29.63	188.0	6.134	8.824	268.3	22.25
#1	.0000	.0004	.0002	.0003	.0006	-.0035	-.0001	.0000	.0005
#2	.0001	.0009	.0001	.0004	-.0001	-.0032	-.0001	.0000	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.940**	**.0025**	**.0010**	**.0006**	**.0010**	**.0001**	**.0006**	**-.0015**	**.0069**
Stddev	.264	.0000	.0008	.0090	.0003	.0024	.0010	.0120	.0001
%RSD	2.652	.7963	82.92	1394.	28.29	2353.	186.6	792.3	1.030
#1	10.13	.0025	.0016	.0070	.0008	-.0016	.0013	.0070	.0068
#2	9.754	.0025	.0004	-.0057	.0012	.0018	-.0002	-.0100	.0069

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0043**	**.0082**	**-.0042**	**-.0184**	**-.0004**	**-.0090**	**.0000**	**.0485**	**-.0006**
Stddev	.0007	.0130	.0093	.0001	.0005	.0000	.0009	.0005	.0003
%RSD	15.69	158.3	219.3	.2902	117.3	.0755	4587.	1.071	47.46
#1	.0048	.0174	.0023	-.0185	-.0008	-.0090	-.0006	.0481	-.0008
#2	.0038	-.0010	-.0108	-.0184	-.0001	-.0090	.0006	.0489	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0242**	**-.0008**	**.0054**	**-.0056**	**-.0008**
Stddev	.0001	.0001	.0001	.0001	.0007	.0002	.0008
%RSD	61.88	86.30	.5105	17.09	13.38	3.220	94.28
#1	-.0001	.0003	-.0241	-.0009	.0059	-.0055	-.0003
#2	-.0001	.0001	-.0242	-.0007	.0049	-.0057	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112390.**	**14391.**	**2204.1**	**7222.8**
Stddev	2419.	108.	13.3	23.5
%RSD	2.1520	.75315	.60166	.32505
#1	110680.	14468.	2213.5	7239.4
#2	114100.	14315.	2194.8	7206.2

Zoom In Zoom Out

Sample Name: Mnconf Acquired: 6/11/2014 5:12:40 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0002**	**.0002**	**-.0001**	**.0026**	**-.0007**	**10.15**	**.0002**	**.0006**
Stddev	.0003	.0001	.0000	.0001	.0000	.0000	.06	.0000	.0002
%RSD	88.45	36.49	20.85	118.0	.6991	2.053	.5494	6.549	27.25
#1	.0005	-.0002	.0003	-.0001	.0026	-.0007	10.11	.0003	.0008
#2	.0001	-.0003	.0002	.0000	.0026	-.0007	10.19	.0002	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0021**	**.0014**	**.0003**	**-.0001**	**.0041**	**-.0007**	**.0058**	**.0124**
Stddev	.0001	.0001	.0004	.0011	.0010	.0016	.0008	.0028	.0006
%RSD	34.03	2.611	27.34	317.8	1458.	38.68	112.8	47.85	5.039
#1	-.0003	.0020	.0016	.0011	.0007	.0052	-.0001	.0077	.0119
#2	-.0005	.0021	.0011	-.0004	-.0008	.0030	-.0013	.0038	.0128

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0026**	**-.0160**	**.0131**	**-.0112**	**-.0007**	**-.0011**	**-.0005**	**.0706**	**-.0040**
Stddev	.0007	.0051	.0221	.0024	.0001	.0001	.0002	.0000	.0002
%RSD	26.86	32.14	168.3	21.47	11.97	11.75	35.57	.0107	5.284
#1	.0021	-.0196	.0287	-.0129	-.0008	-.0012	-.0004	.0706	-.0042
#2	.0031	-.0124	-.0025	-.0095	-.0007	-.0010	-.0007	.0706	-.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0134**	**-.0011**	**.0001**	**.0009**	**.0001**
Stddev	.0000	.0000	.0005	.0000	.0016	.0005	.0004
%RSD	45.19	44.05	3.641	.4774	2557.	62.79	706.0
#1	.0000	-.0001	-.0138	-.0011	-.0011	.0013	.0003
#2	-.0001	.0000	-.0131	-.0011	.0012	.0005	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112470.**	**14367.**	**2199.2**	**7220.9**
Stddev	525.	46.	7.8	17.3
%RSD	.46648	.32236	.35443	.23920
#1	112840.	14335.	2204.7	7233.1
#2	112100.	14400.	2193.7	7208.7

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/11/2014 5:19:03 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0000**	**-.0001**	**-.0018**	**10.57**	**.0001**	**-.0011**	**.0004**	**.0002**
Stddev	.0001	.0000	.0001	.0003	.02	.0001	.0000	.0000	.0002
%RSD	23.96	391.3	125.7	14.24	.2123	64.54	1.538	6.878	91.31
#1	.0004	.0000	.0000	-.0016	10.58	.0001	-.0011	.0004	.0004
#2	.0005	.0000	-.0001	-.0020	10.55	.0002	-.0011	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0000**	**.0003**	**.0001**	**.0000**	**.0025**	**.0099**	**-.0037**	**.0130**
Stddev	.0002	.000	.0004	.0006	.000	.0012	.0002	.0037	.0044
%RSD	22.91	155.9	153.2	621.2	467.4	49.16	1.906	101.0	33.59
#1	.0008	-.0001	.0006	.0005	.0001	.0033	.0097	-.0063	.0161
#2	.0011	.0000	.0000	-.0003	-.0002	.0016	.0100	-.0010	.0099

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0173**	**.0199**	**.0141**	**-.0097**	**-.0009**	**-.0004**	**.0000**	**.0087**	**-.0017**
Stddev	.0015	.0077	.0138	.0062	.0007	.0000	.001	.0007	.0007
%RSD	8.455	38.54	97.92	63.73	73.69	2.809	1969.	8.260	41.76
#1	.0163	.0145	.0043	-.0054	-.0014	-.0003	.0004	.0082	-.0012
#2	.0184	.0254	.0238	-.0141	-.0004	-.0004	-.0004	.0092	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0155**	**-.0039**	**.0018**	**.0139**	**.0011**
Stddev	.0000	.0001	.0003	.0001	.0005	.0012	.0003
%RSD	76.54	38.38	2.134	2.019	28.21	8.465	27.65
#1	.0000	-.0003	-.0153	-.0038	.0021	.0148	.0009
#2	.0000	-.0002	-.0158	-.0039	.0014	.0131	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**112140.**	**14339.**	**2159.3**	**7233.8**
Stddev	261.	41.	.8	8.5
%RSD	.23246	.28615	.03608	.11711
#1	111960.	14368.	2159.9	7239.8
#2	112330.	14310.	2158.8	7227.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 5:25:21 Type: Unk
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.027**	**2.012**	**2.037**	**2.046**	F **2.271**	F **2.205**	F **2.302**	**2.053**	F **.2791**
Stddev	.062	.064	.002	.002	.323	.322	.329	.004	.0509
%RSD	3.040	3.196	.1151	.1029	14.23	14.61	14.30	.1883	18.25
#1	2.071	2.058	2.035	2.045	2.499	2.432	2.535	2.051	.3151
#2	1.984	1.967	2.038	2.048	2.042	1.977	2.069	2.056	.2431

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	F **2.219**	**2.072**	**2.036**	**2.115**	**2.048**	**2.121**	**1.998**	**39.69**	**40.25**
Stddev	.304	.005	.043	.008	.001	.138	.013	1.27	1.36
%RSD	13.68	.2461	2.123	.3928	.0495	6.528	.6396	3.204	3.383
#1	2.434	2.069	2.066	2.109	2.047	2.219	1.989	40.58	41.22
#2	2.004	2.076	2.005	2.121	2.048	2.023	2.007	38.79	39.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**38.75**	**39.09**	**41.24**	**40.45**	**2.072**	**2.032**	F **2.229**	**5.201**	**2.071**
Stddev	1.28	1.38	1.28	1.21	.049	.012	.328	.268	.007
%RSD	3.314	3.524	3.094	2.978	2.347	.5969	14.71	5.143	.3639
#1	39.65	40.06	42.14	41.30	2.106	2.023	2.461	5.390	2.066
#2	37.84	38.11	40.33	39.60	2.038	2.040	1.997	5.012	2.076

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.064**	F **2.258**	**1.890**	F **2.237**	**1.930**	**2.012**	**2.035**
Stddev	.066	.317	.014	.317	.044	.005	.057
%RSD	3.183	14.05	.7487	14.16	2.298	.2726	2.813
#1	2.111	2.483	1.880	2.461	1.898	2.008	2.076
#2	2.018	2.034	1.900	2.013	1.961	2.016	1.995

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**14169.**	**2107.0**	**6495.8**
Stddev	-----	413.	5.4	11.9
%RSD	-----	2.9124	.25612	.18375
#1	-----	13877.	2110.9	6504.2
#2	105720.	14461.	2103.2	6487.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 5:31:25 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0007**	F **.0008**	**.0011**	F **.0014**	**.0008**	**.0012**	**.0007**	**.0002**
Stddev	.0001	.0001	.0002	.0000	.0003	.0000	.0001	.0002	.0001
%RSD	14.92	10.92	32.81	2.408	20.05	5.372	5.153	30.35	31.51
#1	.0009	.0007	.0009	.0011	.0015	.0008	.0012	.0008	.0001
#2	.0011	.0008	.0006	.0011	.0012	.0008	.0013	.0005	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0009**	**.0022**	**.0016**	**.0007**	**-.0004**	**.0002**	**.0123**	**.0174**
Stddev	.0000	.0001	.0001	.0009	.0001	.0003	.0006	.0068	.0056
%RSD	2.511	11.59	3.398	58.07	7.971	78.18	262.3	55.59	32.35
#1	.0012	.0010	.0023	.0022	.0007	-.0006	.0006	.0171	.0134
#2	.0011	.0009	.0022	.0009	.0007	-.0002	-.0002	.0074	.0214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0160**	**.0076**	**.0410**	**.0180**	**.0013**	F **.0021**	**.0014**	**.0046**	**.0005**
Stddev	.0047	.0044	.0073	.0012	.0001	.0004	.0006	.0007	.0005
%RSD	29.24	58.03	17.75	6.772	8.619	18.61	42.14	14.71	89.89
#1	.0127	.0045	.0358	.0189	.0012	.0024	.0018	.0051	.0009
#2	.0193	.0107	.0461	.0171	.0014	.0018	.0010	.0042	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 5:31:25 Type: QC
Method: Accutest1(v140) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	F **.0012**	F **.0134**	F **.0016**	**.0016**	**.0013**	**.0017**
Stddev	.0002	.0002	.0029	.0000	.0010	.0005	.0004
%RSD	19.94	16.97	21.42	2.968	61.63	37.14	26.42
#1	.0007	.0010	.0155	.0016	.0024	.0009	.0013
#2	.0010	.0013	.0114	.0016	.0009	.0016	.0020
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**112150.**	**14360.**	**2207.7**	**7258.4**
Stddev	58.	26.	.3	3.8
%RSD	.05143	.18258	.01176	.05252
#1	112110.	14378.	2207.9	7255.7
#2	112200.	14341.	2207.5	7261.0

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000000	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.001000	0.000000	No
Be 313.042 {108}	1	12	V	0.000735	0.000000	No
			Mo	-0.000040	0.000000	No
			Ti	-0.000252	0.000000	No
			Mn	0.000016	0.000000	No
			Ba	-0.000013	0.000000	No
			Zn	0.000010	0.000000	No
			Sb	0.000079	0.000000	No
			Ag	0.000060	0.000000	No
			Sn	0.000010	0.000000	No
			Cu	0.000005	0.000000	No
			W	0.000000	0.000000	No
			K	-0.000020	0.000000	No
Cd 228.802 {448}	1	16	As	0.003636	0.000000	No
			Ni	-0.000550	0.000000	No
			Fe	0.000017	0.000000	No
			Ba	0.000150	0.000000	No
			Co	-0.000224	0.000000	No
			Zn	0.000400	0.000000	No
			Al	-0.000002	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000014	0.000000	No
			Mo	0.000002	0.000000	No
			Ti	-0.000049	0.000000	No
			Cu	-0.000010	0.000000	No
			Sr	-0.000050	0.000000	No
			Zr	0.000000	0.000000	No
			W	0.000000	0.000000	No
Co 228.616 {448}	1	7	Fe	-0.000001	0.000000	No
			Cr	0.000000	0.000000	No
			Ba	0.000006	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000002	0.000000	No
			Ti	0.002270	0.000000	No
			Mo	-0.000300	0.000000	No
Cr 267.716 {126}	1	9	Mn	0.000130	0.000000	No
			Mo	-0.000153	0.000000	No
			Fe	-0.000004	0.000000	No
			Co	0.000160	0.000000	No
			Al	0.000000	0.000000	No
			Sn	-0.000070	0.000000	No
			Ti	-0.000058	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.001783	0.000000	No
Cu 324.754 {104}2	1	12	Cr	-0.000025	0.000000	No
			Mo	0.000702	0.000000	No
			Ti	-0.000143	0.000000	No
			Mn	0.000086	0.000000	No
			Co	-0.000957	0.000000	No
			Zn	0.000037	0.000000	No
			Fe	-0.000119	0.000000	No
			Zr	0.000100	0.000000	No
			V	-0.000050	0.000000	No
			Ca	-0.000005	0.000000	No
			Ni	-0.000020	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	1	6	Fe	-0.000056	0.000000	No
			Ti	0.000095	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Si	0.000150	0.000000	No
				Mo	-0.000160	0.000000	No
				As	0.000400	0.000000	No
				W	0.000000	0.000000	No
	Ni 231.604 {446}	1	8	Cr	-0.000028	0.000000	No
				Mo	-0.000065	0.000000	No
				Fe	0.000020	0.000000	No
				Zn	0.000017	0.000000	No
				Co	-0.000423	0.000000	No
				Cu	0.000152	0.000000	No
				Ti	0.000120	0.000000	No
				W	-0.000260	0.000000	No
	Ag 328.068 {103}	1	17	Mn	0.000142	0.000000	No
				Mo	-0.000012	0.000000	No
				Ti	-0.000070	0.000000	No
				V	-0.001200	0.000000	No
				Zr	0.007600	0.000000	No
				Sb	-0.000013	0.000000	No
				Mg	0.000004	0.000000	No
				Ca	-0.000000	0.000000	No
				Fe	-0.000241	0.000000	No
				Al	-0.000002	0.000000	No
				Zn	0.000000	0.000000	No
				Ba	0.000090	0.000000	No
				Ni	-0.000021	0.000000	No
				Cr	0.000005	0.000000	No
				As	-0.000089	0.000000	No
				B	0.000001	0.000000	No
				W	0.005000	0.000000	No
	V 292.402 {115}	1	6	Fe	0.000007	0.000000	No
				Ti	0.000320	0.000000	No
				Mo	-0.009850	0.000000	No
				Co	0.000139	0.000000	No
				Cr	-0.003726	0.000000	No
				Mn	-0.000100	0.000000	No
	Zn 206.200 {464}	1	15	Cr	-0.000400	0.000000	No
				Mo	0.000150	0.000000	No
				Fe	-0.000005	0.000000	No
				Co	0.000122	0.000000	No
				Ni	0.000058	0.000000	No
				Se	0.000141	0.000000	No
				Ba	-0.000005	0.000000	No
				Ca	0.000003	0.000000	No
				Ti	-0.000085	0.000000	No
				Sn	0.000068	0.000000	No
				V	-0.000170	0.000000	No
				Sr	0.000000	0.000000	No
				Al	0.000004	0.000000	No
				Bi	-0.001125	0.000000	No
				Si	0.000600	0.000000	No
	As 189.042 {478}	1	20	Al	0.000015	0.000000	No
				Fe	-0.000012	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000070	0.000000	No
				Mo	0.001510	0.000000	No
				Cr	0.000600	0.000000	No
				Co	0.000010	0.000000	No
				Si	-0.000009	0.000000	No
				Cu	-0.000074	0.000000	No
				Pd	0.033140	0.000000	No
				K	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mg	0.000004	0.000000	No
				Cd	-0.000016	0.000000	No
				Sn	0.000067	0.000000	No
				Zn	-0.000115	0.000000	No
				Zr	0.000000	0.000000	No
				Sb	0.000022	0.000000	No
				Ti	-0.000203	0.000000	No
				B	0.000001	0.000000	No
				S	-0.000001	0.000000	No
	Tl 190.856 {477}	1	27	Cr	0.000683	0.000000	No
				Mo	-0.013600	0.000000	No
				Al	-0.000012	0.000000	No
				V	-0.012000	0.000000	No
				Mn	0.001700	0.000000	No
				Si	-0.000014	0.000000	No
				Ca	0.000010	0.000000	No
				Ti	-0.003000	0.000000	No
				Cu	-0.000095	0.000000	No
				Co	0.012300	0.000000	No
				Sr	0.000000	0.000000	No
				Zn	0.000220	0.000000	No
				Pb	-0.000090	0.000000	No
				Mg	-0.000003	0.000000	No
				Ba	-0.000100	0.000000	No
				Sb	0.000004	0.000000	No
				W	0.000000	0.000000	No
				B	0.000567	0.000000	No
				Pd	-0.000032	0.000000	No
				Ni	0.000030	0.000000	No
				Sn	0.000100	0.000000	No
				Fe	-0.000098	0.000000	No
				Li	0.000009	0.000000	No
				S	0.000025	0.000000	No
				Na	-0.000011	0.000000	No
				K	0.000600	0.000000	No
				As	0.000200	0.000000	No
	Pb 220.353 {453}	1	22	Al	-0.000086	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000140	0.000000	No
				Zn	0.000027	0.000000	No
				Mo	-0.000550	0.000000	No
				Ni	0.000129	0.000000	No
				Cu	0.000370	0.000000	No
				V	-0.000206	0.000000	No
				Co	0.000016	0.000000	No
				Ti	0.000000	0.000000	No
				Si	0.000060	0.000000	No
				Mg	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Pd	0.000500	0.000000	No
				Sb	0.000109	0.000000	No
				Cr	-0.000066	0.000000	No
				Sn	0.000070	0.000000	No
				Fe	0.000043	0.000000	No
				W	0.000000	0.000000	No
				Zr	0.000000	0.000000	No
				S	-0.000022	0.000000	No
				Sr	-0.000035	0.000000	No
	Se 196.090 {472}	1	18	Al	-0.000008	0.000000	No
				Ca	-0.000011	0.000000	No
				Mn	0.000345	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mo	-0.000038	0.000000	No
				Co	-0.000140	0.000000	No
				Cu	-0.000107	0.000000	No
				Mg	-0.000001	0.000000	No
				Ti	0.000100	0.000000	No
				Sb	-0.000010	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	-0.000151	0.000000	No
				Si	-0.000317	0.000000	No
				B	-0.000043	0.000000	No
				Ba	0.000050	0.000000	No
				S	0.000010	0.000000	No
				W	0.112000	0.000000	No
				Zr	-0.000833	0.000000	No
				V	0.000600	0.000000	No
	Sb 206.833 {463}	1	19	Fe	0.000010	0.000000	No
				Al	0.000021	0.000000	No
				Ca	-0.000003	0.000000	No
				Ni	-0.000078	0.000000	No
				Cr	0.011700	0.000000	No
				V	-0.002240	0.000000	No
				Zn	-0.000104	0.000000	No
				Mo	0.000420	0.000000	No
				Ti	0.000160	0.000000	No
				Sn	-0.015034	0.000000	No
				Mn	-0.000060	0.000000	No
				Co	-0.000121	0.000000	No
				Se	-0.000252	0.000000	No
				Zr	-0.000300	0.000000	No
				W	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Si	0.000000	0.000000	No
				Mg	0.000006	0.000000	No
				S	-0.000016	0.000000	No
	Al 396.152 { 85}	1	8	Ca	0.000100	0.000000	No
				Mo	0.049000	0.000000	No
				Ti	-0.006610	0.000000	No
				Si	0.001149	0.000000	No
				Co	-0.000115	0.000000	No
				Li	-0.001000	0.000000	No
				W	0.000000	0.000000	No
				Ba	0.004500	0.000000	No
	Ca 317.933 {106}	1	5	Al	0.000043	0.000000	No
				Fe	0.000078	0.000000	No
				Mg	0.000071	0.000000	No
				Ti	-0.000042	0.000000	No
				Co	0.001850	0.000000	No
	Fe 259.940 {130}	1	11	Cr	0.000237	0.000000	No
				Zn	0.000466	0.000000	No
				Al	0.000017	0.000000	No
				Co	0.002732	0.000000	No
				Cd	0.000700	0.000000	No
				Sn	-0.000019	0.000000	No
				Ti	-0.000710	0.000000	No
				Si	0.000053	0.000000	No
				Ca	0.000012	0.000000	No
				Ba	0.000400	0.000000	No
				V	0.000000	0.000000	No
	Mg 279.079 {121}	1	4	Al	0.000000	0.000000	No
				Mo	-0.018810	0.000000	No
				Pb	0.000002	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	0.000000	0.000000	No
	K 766.490 { 44}	1	1	Mg	0.000000	0.000000	No
	Na 589.592 { 57}	1	1	Al	0.000039	0.000000	No
	B 208.959 {462}	1	4	Mo	0.037450	0.000000	No
				Al	0.000008	0.000000	No
				Ti	-0.000001	0.000000	No
				Pd	0.000630	0.000000	No
	Mo 202.030 {467}	1	8	Ti	0.000300	0.000000	No
				Pd	0.000018	0.000000	No
				Al	-0.000011	0.000000	No
				Mg	-0.000005	0.000000	No
				Ca	0.000000	0.000000	No
				Fe	0.000044	0.000000	No
				V	0.000500	0.000000	No
				W	-0.004932	0.000000	No
	Pd 340.458 { 99}	1	8	Ti	-0.000250	0.000000	No
				Co	-0.001657	0.000000	No
				Sn	-0.000700	0.000000	No
				Sb	0.000160	0.000000	No
				Si	0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Mo	-0.000260	0.000000	No
				Zr	0.003000	0.000000	No
	Si 212.412 {459}	1	11	Mn	-0.002280	0.000000	No
				Fe	-0.000005	0.000000	No
				Ca	0.000003	0.000000	No
				Ni	0.000391	0.000000	No
				Cd	0.001794	0.000000	No
				Cr	-0.000450	0.000000	No
				Mo	0.025500	0.000000	No
				Ti	0.168600	0.000000	No
				Ba	0.000825	0.000000	No
				Sn	0.003490	0.000000	No
				W	0.000000	0.000000	No
	Sn 189.989 {478}	1	4	Ti	-0.001660	0.000000	No
				Fe	0.000007	0.000000	No
				Mn	0.000406	0.000000	No
				Mo	0.000058	0.000000	No
	Sr 407.771 { 83}	1	3	Ca	0.000032	0.000000	No
				Pd	0.000168	0.000000	No
				Ti	0.000000	0.000000	No
	Ti 334.904 {101}	1	4	Cr	0.000189	0.000000	No
				Mo	0.001620	0.000000	No
				Zr	0.000002	0.000000	No
				W	-0.005996	0.000000	No
	Y 360.073 { 94}*	1	None				
	Y 371.030 { 91}*	1	None				
	Y 224.306 {451}*	1	None				
	In 230.606 {446}*	1	None				
	W 207.911 {462}	1	4	Al	-0.000024	0.000000	No
				V	0.001000	0.000000	No
				Zn	0.010800	0.000000	No
				Fe	-0.000050	0.000000	No
	Zr 339.198 { 99}	1	16	Fe	-0.000058	0.000000	No
				Si	0.000088	0.000000	No
				Ba	-0.000049	0.000000	No
				Sn	0.000047	0.000000	No
				Sb	-0.000067	0.000000	No
				V	0.000030	0.000000	No
				W	0.000500	0.000000	No
				S	-0.000097	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	0.000032	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000027	0.000000	No
				Ca	-0.000000	0.000000	No
				Li	0.000038	0.000000	No
				Bi	0.000163	0.000000	No
				Ag	0.004400	0.000000	No
				Mn	0.000059	0.000000	No
	S 182.034 {485}	1	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	0.000072	0.000000	No
				Fe	-0.000029	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	1	2	Fe	0.000038	0.000000	No
				Ti	-0.001522	0.000000	No
	Li 670.784 { 50}	1	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.002547	2.810814	0.000000	1.000000
Be 313.042 {108}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000087	2.776984	0.000000	1.000000
Cd 228.802 {448}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000670	1.108682	0.000000	1.000000
Co 228.616 {448}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000209	0.361635	0.000000	1.000000
Cr 267.716 {126}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000005	0.076663	0.000000	1.000000
Cu 324.754 {104}2	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.003352	0.251840	0.000000	1.000000
Mn 257.610 {131}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000034	0.203356	0.000000	1.000000
Ni 231.604 {446}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000881	0.287545	0.000000	1.000000
Ag 328.068 {103}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000019	0.129943	0.000000	1.000000
V 292.402 {115}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000105	0.139637	0.000000	1.000000
Zn 206.200 {464}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000266	0.979775	0.000000	1.000000
As 189.042 {478}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000373	0.193327	0.000000	1.000000
Tl 190.856 {477}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000216	0.034849	0.000000	1.000000
Pb 220.353 {453}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000172	0.132197	0.000000	1.000000
Se 196.090 {472}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000186	0.104211	0.000000	1.000000
Sb 206.833 {463}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001129	0.254938	0.000000	1.000000
Al 396.152 { 85}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001004	0.046814	0.000000	1.000000
Ca 317.933 {106}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.007852	0.064550	0.000000	1.000000
Fe 259.940 {130}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000063	0.037518	0.000000	1.000000
Mg 279.079 {121}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000056	0.005378	0.000000	1.000000
K 766.490 { 44}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001493	0.027979	0.000000	1.000000
Na 589.592 { 57}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.006066	0.098961	0.000000	1.000000
B 208.959 {462}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000960	0.251357	0.000000	1.000000
Mo 202.030 {467}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.001491	1.055614	0.000000	1.000000
Pd 340.458 { 99}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000014	0.058769	0.000000	1.000000
Si 212.412 {459}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.006988	0.274055	0.000000	1.000000
Sn 189.989 {478}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000525	0.176610	0.000000	1.000000
Sr 407.771 { 83}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000385	3.897239	0.000000	1.000000
Ti 334.904 {101}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.000129	0.156314	0.000000	1.000000
Y 360.073 { 94}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/11/2014 11:42:30	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.010842	0.480647	0.000000	1.000000
Zr 339.198 { 99}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000019	0.380367	0.000000	1.000000
S 182.034 {485}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	0.000462	0.081916	0.000000	1.000000
Bi 223.061 {451}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.001087	0.361615	0.000000	1.000000
Li 670.784 { 50}	6/11/2014 11:42:30	6/10/2014 10:40:01	Linear	1/Conc	-0.002704	0.759022	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000200	0.000667	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000070	0.000235	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000191	0.000637	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000281	0.000936	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000403	0.001344	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000317	0.001056	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000056	0.000185	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000322	0.001073	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000400	0.001333	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000312	0.001040	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000187	0.000625	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000880	0.002932	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001952	0.006506	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001048	0.003493	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002022	0.006741	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001031	0.003438	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.008841	0.029469	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003470	0.011567	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002839	0.009462	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.025378	0.084593	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.029061	0.096871	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007785	0.025950	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000660	0.002201	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000213	0.000711	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001092	0.003641	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000910	0.003034	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000786	0.002619	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000090	0.000299	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000397	0.001322	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	0.000796	0.002654	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	0.002186	0.007287	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	0.004215	0.014050	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000987	0.003289	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000163	0.000543	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002060	0.006867	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000998	0.003325	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001052	0.003507	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/12/2014 10:13:15 Type: Cal
Method: Accutest1(v149) 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	**.0055**	**.0002**	**.0005**	**-.0002**	**.0000**	**.0021**	**.0000**	**-.0009**	**.0000**
Stddev	.0004	.0000	.0002	.0001	.0000	.0000	.0000	.0001	.0000
%RSD	6.621	17.04	32.78	52.49	49.29	1.608	11.20	6.509	.9134
#1	.0058	.0002	.0004	-.0001	.0000	.0021	.0000	-.0009	.0000
#2	.0053	.0001	.0006	-.0002	.0000	.0021	.0000	-.0009	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0004**	**-.0001**	**-.0002**	**-.0002**	**.0004**	**.0010**	**.0010**	**.0039**
Stddev	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0002	.0000
%RSD	204.9	29.13	31.96	30.90	45.82	18.06	7.353	23.83	1.189
#1	.0000	.0003	-.0001	-.0002	-.0001	.0004	.0011	.0009	.0039
#2	.0000	.0004	-.0001	-.0002	-.0003	.0005	.0010	.0012	.0039

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0000**	**.0021**	**.0047**	**.0010**	**.0031**	**.0000**	**.0072**	**.0006**
Stddev	.0001	.0000	.0006	.0005	.0000	.0003	.000	.0002	.0001
%RSD	637.3	143.2	26.50	10.11	1.709	9.101	660.7	2.894	22.33
#1	-.0001	.0000	.0025	.0050	.0010	.0033	.0000	.0070	.0005
#2	.0001	.0000	.0017	.0044	.0010	.0029	.0000	.0073	.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	**-.0002**	**-.0001**	**.0226**	**.0004**	**.0006**	**-.0011**	**-.0025**
Stddev	.0001	.0000	.0010	.0000	.0000	.0003	.0001
%RSD	26.57	26.85	4.453	3.554	7.674	24.56	2.789
#1	-.0002	-.0001	.0234	.0004	.0006	-.0009	-.0026
#2	-.0003	-.0002	.0219	.0004	.0006	-.0012	-.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105290.**	**13400.**	**2163.8**	**7013.0**
Stddev	161.	16.	.3	9.0
%RSD	.15280	.12035	.01271	.12879
#1	105400.	13411.	2163.6	7006.6
#2	105170.	13388.	2164.0	7019.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/12/2014 10:19:31 Type: Cal
Method: Accutest1(v149) 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	**12.14**	**10.55**	**4.481**	**1.490**	**.3066**	**1.117**	**.8362**	**1.156**	**.0688**
Stddev	.00	.01	.002	.003	.0053	.015	.0143	.002	.0010
%RSD	.0162	.0674	.0432	.1671	1.717	1.374	1.713	.1976	1.410
#1	12.14	10.55	4.482	1.492	.3029	1.106	.8261	1.158	.0682
#2	12.14	10.54	4.479	1.489	.3103	1.128	.8463	1.155	.0695

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	**.6262**	**3.907**	**.7813**	**.1398**	**.5286**	**.4607**	**1.023**	**3.937**	**4.806**
Stddev	.0112	.002	.0004	.0001	.0021	.0003	.000	.003	.006
%RSD	1.792	.0426	.0449	.0453	.4031	.0617	.0391	.0692	.1263
#1	.6183	3.908	.7811	.1398	.5301	.4609	1.023	3.939	4.810
#2	.6342	3.906	.7816	.1399	.5270	.4605	1.023	3.936	4.802

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.408**	**.3506**	**2.454**	**8.485**	**1.047**	**4.282**	**.2490**	**2.958**	**.6904**
Stddev	.002	.0010	.002	.010	.000	.004	.0030	.000	.0010
%RSD	.0768	.2963	.0710	.1176	.0350	.0806	1.209	.0024	.1397
#1	2.409	.3513	2.455	8.492	1.047	4.280	.2469	2.958	.6898
#2	2.407	.3499	2.453	8.478	1.048	4.285	.2511	2.958	.6911

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.54**	**.6444**	**1.936**	**1.499**	**.3096**	**1.445**	**3.199**
Stddev	.01	.0099	.033	.024	.0000	.002	.003
%RSD	.0518	1.543	1.686	1.586	.0047	.1101	.1055
#1	15.54	.6374	1.913	1.483	.3096	1.444	3.202
#2	15.53	.6514	1.959	1.516	.3096	1.446	3.197

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**96918.**	**13189.**	**2003.2**	**6047.9**
Stddev	1472.	28.	2.0	3.6
%RSD	1.5184	.21207	.09769	.05942
#1	97959.	13170.	2004.6	6045.4
#2	95878.	13209.	2001.8	6050.5

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/12/2014 10:25:32 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.032**	**2.001**	**2.005**	**2.022**	**1.984**	**2.060**	**2.027**	**.2493**
Stddev	.002	.004	.000	.001	.003	.004	.001	.002	.0012
%RSD	.1107	.2142	.0029	.0429	.1316	.2234	.0626	.1142	.4879
#1	2.006	2.035	2.001	2.004	2.024	1.981	2.061	2.026	.2484
#2	2.003	2.029	2.001	2.006	2.020	1.987	2.059	2.029	.2501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.036**	**1.990**	**2.069**	**2.024**	**1.978**	**1.988**	**39.98**	**40.65**
Stddev	.001	.001	.004	.002	.000	.006	.000	.03	.02
%RSD	.0397	.0357	.2063	.0842	.0115	.2868	.0143	.0703	.0454
#1	2.029	2.035	1.987	2.068	2.024	1.974	1.988	40.00	40.66
#2	2.030	2.036	1.993	2.070	2.024	1.982	1.988	39.96	40.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.60**	**40.04**	**40.20**	**2.011**	**2.026**	**1.986**	**4.991**	**2.045**
Stddev	.03	.02	.07	.08	.006	.001	.001	.001	.004
%RSD	.0796	.0563	.1680	.2007	.2907	.0624	.0492	.0276	.1818
#1	40.73	40.61	40.09	40.26	2.007	2.025	1.986	4.992	2.042
#2	40.69	40.58	39.99	40.14	2.016	2.027	1.987	4.990	2.047
Check ?	Chk Pass	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: 6/12/2014 10:25:32 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.023**	**2.059**	**2.069**	**1.941**	**2.022**	**1.985**
Stddev	.001	.000	.017	.000	.000	.002	.005
%RSD	.0519	.0002	.8295	.0191	.0025	.0991	.2431
#1	2.008	2.023	2.047	2.069	1.941	2.024	1.989
#2	2.007	2.023	2.072	2.068	1.941	2.021	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99686.**	**13175.**	**2072.7**	**6306.3**
Stddev	56.	3.	.1	2.0
%RSD	.05636	.02567	.00437	.03123
#1	99726.	13177.	2072.8	6307.7
#2	99647.	13173.	2072.7	6304.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/12/2014 10:31:36 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**.0001**	**.0002**	**.0001**	**-.0001**	**.0002**	**.0004**
Stddev	.0001	.0000	.0003	.0000	.0003	.0000	.0001	.0005
%RSD	34.68	23.86	189.5	8.684	201.5	38.71	40.24	141.9
#1	.0003	.0001	.0003	.0002	.0003	-.0001	.0003	.0008
#2	.0004	.0002	.0000	.0001	-.0001	-.0001	.0002	.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	**-.0004**	**.0003**	**.0001**	**.0006**	F **-.0033**	**-.0013**	**-.0035**	**.0003**
Stddev	.0000	.0002	.0001	.0000	.0004	.0001	.0003	.0006
%RSD	4.259	63.97	104.8	3.779	13.57	11.49	9.145	165.7
#1	-.0004	.0005	.0001	.0006	-.0030	-.0012	-.0037	.0007
#2	-.0004	.0002	.0000	.0006	-.0036	-.0014	-.0033	-.0001
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	**.0022**	**.0029**	**.0042**	**.0174**	**.0328**	**.0186**	**.0021**	F **.0041**
Stddev	.0056	.0017	.0003	.0170	.0008	.0074	.0001	.0008
%RSD	249.0	57.94	7.782	97.64	2.387	39.92	3.137	19.43
#1	.0062	.0041	.0044	.0054	.0322	.0134	.0020	.0046
#2	-.0017	.0017	.0039	.0294	.0334	.0239	.0021	.0035
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: ccbconf Acquired: 6/12/2014 10:31:36 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0003**	**.0002**	**.0008**	F **.0524**	F **.0024**	**-.0014**
Stddev	.0004	.0008	.0006	.0001	.0002	.0086	.0002	.0002
%RSD	281.9	405.3	192.4	35.81	19.15	16.33	10.07	14.72
#1	.0002	.0008	.0007	.0001	.0007	.0585	.0026	-.0013
#2	-.0005	-.0004	-.0001	.0002	.0009	.0464	.0023	-.0016
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	**.0005**	**.0012**
Stddev	.0000	.0005
%RSD	5.381	37.44
#1	.0005	.0016
#2	.0005	.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105670.**	**13305.**	**2167.5**	**7030.5**
Stddev	612.	48.	1.8	4.2
%RSD	.57950	.36341	.08446	.06007
#1	105240.	13271.	2168.8	7033.4
#2	106110.	13339.	2166.2	7027.5

Zoom In Zoom Out

Sample Name: icv Acquired: 6/12/2014 10:38:06 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**2.030**	**1.997**	**2.003**	**2.023**	**1.965**	**2.047**	**2.025**	**.2493**
Stddev	.007	.004	.004	.002	.003	.003	.004	.003	.0004
%RSD	.3550	.1746	.2047	.0835	.1427	.1416	.2131	.1227	.1743
#1	1.998	2.030	2.001	2.004	2.020	1.967	2.042	2.027	.2496
#2	1.995	2.026	1.995	2.002	2.024	1.967	2.050	2.024	.2495
#3	2.008	2.033	1.994	2.001	2.025	1.962	2.049	2.023	.2488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**2.034**	**1.983**	**2.069**	**2.021**	**1.980**	**1.982**	**39.73**	**40.94**
Stddev	.004	.003	.006	.004	.002	.003	.005	.02	.12
%RSD	.1811	.1571	.3087	.2019	.0942	.1599	.2686	.0416	.3023
#1	2.008	2.037	1.989	2.068	2.023	1.984	1.988	39.71	40.84
#2	2.012	2.034	1.981	2.074	2.022	1.979	1.981	39.73	40.89
#3	2.015	2.031	1.978	2.066	2.019	1.978	1.978	39.74	41.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.95**	**40.82**	**39.93**	**39.96**	**2.001**	**2.020**	**1.973**	**4.977**	**2.039**
Stddev	.10	.15	.12	.06	.004	.002	.002	.011	.006
%RSD	.2325	.3746	.3064	.1388	.2157	.1210	.1019	.2136	.3147
#1	40.89	40.65	39.87	39.95	2.006	2.023	1.975	4.988	2.046
#2	40.91	40.86	39.86	39.91	1.998	2.019	1.973	4.976	2.036
#3	41.06	40.95	40.07	40.02	2.000	2.019	1.971	4.967	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/12/2014 10:38:06 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.016**	**2.006**	**2.062**	**1.943**	**2.018**	**1.990**
Stddev	.007	.003	.023	.002	.001	.003	.005
%RSD	.3389	.1642	1.137	.0911	.0692	.1680	.2502
#1	2.018	2.015	1.983	2.064	1.944	2.022	1.988
#2	2.015	2.019	2.009	2.062	1.942	2.016	1.986
#3	2.028	2.013	2.028	2.060	1.944	2.016	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	**100360.**	**13128.**	**2076.2**	**6308.7**
Stddev	100.	21.	4.4	7.8
%RSD	.09947	.16362	.21147	.12356
#1	100460.	13151.	2071.4	6300.3
#2	100260.	13123.	2077.3	6309.9
#3	100360.	13109.	2079.9	6315.8

Zoom In Zoom Out

Sample Name: icb Acquired: 6/12/2014 10:54:58 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0001**	**-.0002**	**.0003**	**.0002**	**.0001**	**.0001**	**.0004**
Stddev	.000	.0000	.0001	.0002	.0003	.0000	.0001	.0001	.0000
%RSD	1363.	1.333	107.0	127.4	89.23	20.31	67.81	83.62	10.37
#1	-.0001	.0001	.0002	.0000	.0001	.0002	.0002	.0001	.0004
#2	.0001	.0001	.0000	-.0003	.0005	.0002	.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	**.0003**	**.0001**	**-.0004**	**-.0005**	**-.0003**	**-.0010**	**.0000**	**.0008**	**.0035**
Stddev	.0001	.0000	.0000	.0003	.0015	.0008	.0010	.0009	.0038
%RSD	20.71	79.07	9.569	61.52	420.8	73.07	7936.	122.6	110.1
#1	.0003	.0000	-.0004	-.0003	-.0014	-.0016	.0007	.0001	.0008
#2	.0004	.0001	-.0004	-.0007	.0007	-.0005	-.0007	.0014	.0062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0096**	**.0129**	**.0011**	**.0005**	**.0004**	**.0001**	**-.0004**	**.0002**
Stddev	.0009	.0291	.0189	.0015	.0002	.0000	.0005	.0005	.0005
%RSD	2014.	302.1	146.5	143.6	32.47	11.37	307.5	113.4	285.7
#1	-.0006	-.0109	.0262	.0000	.0004	.0004	-.0002	-.0007	.0005
#2	.0007	.0302	-.0005	.0021	.0006	.0003	.0005	-.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									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/12/2014 10:54:58 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0068**	**.0003**	**-.0006**	**-.0003**	**.0005**
Stddev	.0001	.0000	.0030	.0001	.0012	.0002	.0009
%RSD	107.1	6.192	44.79	27.70	212.5	58.73	179.8
#1	.0001	.0002	.0090	.0004	.0003	-.0005	.0011
#2	.0000	.0001	.0046	.0003	-.0015	-.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	**106170.**	**13360.**	**2178.5**	**7064.1**
Stddev	263.	75.	.1	5.8
%RSD	.24775	.56396	.00655	.08271
#1	105980.	13413.	2178.4	7060.0
#2	106350.	13307.	2178.6	7068.3

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/12/2014 11:04:43 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.984**	**2.007**	**2.002**	**2.000**	**2.001**	**1.921**	**2.007**	**2.022**	**.2444**
Stddev	.006	.007	.007	.006	.002	.003	.002	.005	.0004
%RSD	.3253	.3558	.3323	.3187	.1099	.1277	.0847	.2332	.1503
#1	1.993	2.018	2.010	2.010	2.001	1.922	2.007	2.028	.2446
#2	1.985	2.005	1.999	1.998	1.998	1.923	2.005	2.017	.2439
#3	1.981	2.003	2.004	1.997	2.003	1.921	2.008	2.021	.2443
#4	1.978	2.003	1.995	1.996	2.000	1.917	2.009	2.020	.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	**1.962**	**2.036**	**1.990**	F **2.106**	**2.011**	**1.986**	**1.974**	**38.95**	**40.84**
Stddev	.001	.006	.005	.011	.003	.011	.006	.10	.15
%RSD	.0701	.2832	.2471	.5193	.1637	.5729	.2993	.2590	.3774
#1	1.960	2.042	1.996	2.122	2.016	2.001	1.982	39.10	41.07
#2	1.963	2.028	1.989	2.102	2.010	1.985	1.974	38.89	40.80
#3	1.962	2.036	1.992	2.096	2.010	1.985	1.974	38.93	40.74
#4	1.963	2.036	1.984	2.104	2.010	1.973	1.967	38.89	40.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				2.000					
Range				5.000%					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.67**	**39.50**	**39.26**	**2.004**	**2.020**	**1.941**	**4.972**	**2.057**
Stddev	.14	.23	.16	.12	.004	.004	.001	.015	.006
%RSD	.3376	.5657	.4151	.3043	.2145	.2211	.0509	.2956	.2762
#1	40.91	40.96	39.75	39.44	2.009	2.026	1.941	4.985	2.064
#2	40.68	40.72	39.44	39.22	2.003	2.018	1.941	4.972	2.051
#3	40.64	40.61	39.45	39.22	2.004	2.020	1.943	4.979	2.060
#4	40.61	40.40	39.38	39.18	1.999	2.015	1.940	4.952	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/12/2014 11:04:43 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**1.978**	**1.996**	**2.030**	**1.965**	**2.014**	**1.974**
Stddev	.007	.001	.031	.001	.006	.008	.005
%RSD	.3452	.0567	1.545	.0470	.3269	.3889	.2445
#1	2.024	1.979	1.955	2.030	1.974	2.023	1.980
#2	2.016	1.977	1.990	2.031	1.963	2.015	1.975
#3	2.011	1.979	2.013	2.029	1.963	2.015	1.971
#4	2.008	1.977	2.025	2.029	1.960	2.004	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	**102450.**	**13280.**	**2082.7**	**6357.5**
Stddev	62.	55.	5.5	15.3
%RSD	.06083	.41296	.26593	.24066
#1	102540.	13199.	2075.5	6336.2
#2	102420.	13305.	2084.4	6358.4
#3	102440.	13298.	2082.0	6363.2
#4	102400.	13319.	2088.8	6372.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 11:21:05 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0007**	**.0003**	**.0001**	**.0003**	**.0004**	**.0005**	**.0003**	**-.0001**
Stddev	.0001	.0001	.0001	.0001	.0001	.0002	.0001	.0002	.0004
%RSD	11.24	8.175	50.25	52.33	26.73	48.28	14.08	68.95	346.3
#1	.0006	.0007	.0004	.0002	.0003	.0005	.0006	.0004	.0002
#2	.0008	.0006	.0002	.0001	.0002	.0003	.0005	.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0002**	**-.0002**	**-.0001**	**-.0009**	**-.0021**	**-.0005**	**.0110**	**.0126**
Stddev	.0001	.0001	.0010	.0002	.0000	.0024	.0006	.0028	.0029
%RSD	17.02	28.12	429.7	296.2	3.275	114.8	110.0	25.43	22.78
#1	.0007	.0002	.0005	.0001	-.0009	-.0037	-.0010	.0130	.0146
#2	.0005	.0002	-.0010	-.0002	-.0009	-.0004	-.0001	.0091	.0105
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 **.0130**	**-.0101**	**.0433**	**.0255**	**.0009**	**.0016**	**.0001**	**.0009**	**-.0003**
Stddev	.0009	.0044	.0214	.0076	.0001	.0001	.0003	.0013	.0006
%RSD	6.759	43.61	49.51	29.73	15.28	6.324	600.5	135.1	191.1
#1	.0136	-.0132	.0585	.0309	.0010	.0016	-.0002	.0018	.0001
#2	.0124	-.0070	.0282	.0201	.0008	.0015	.0003	.0000	-.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 11:21:05 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	F **.0165**	**.0010**	**-.0003**	**.0000**	**.0016**
Stddev	.0000	.0002	.0039	.0002	.0004	.000	.0012
%RSD	2.986	37.09	23.46	23.36	158.3	1508.	74.85
#1	.0007	.0006	.0193	.0011	-.0006	.0003	.0024
#2	.0006	.0004	.0138	.0008	.0000	-.0003	.0007
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	**106960.**	**13402.**	**2179.9**	**7047.1**
Stddev	304.	39.	16.2	54.3
%RSD	.28418	.29251	.74350	.77017
#1	106750.	13430.	2168.4	7008.7
#2	107180.	13374.	2191.4	7085.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/12/2014 11:25:35 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2038**	**.0021**	**.0032**	**.0503**	**.0109**	**.0103**	**.0163**	**.0104**	**.0049**
Stddev	.0002	.0000	.0000	.0001	.0005	.0000	.0001	.0002	.0003
%RSD	.1125	1.681	.4934	.1571	4.349	.0940	.4283	1.469	6.843
#1	.2040	.0021	.0032	.0504	.0112	.0103	.0163	.0103	.0047
#2	.2037	.0021	.0032	.0503	.0105	.0104	.0162	.0105	.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	**.0525**	**.0235**	**.0080**	**.0082**	**.0026**	**.0105**	**.0065**	**.1981**	**5.063**
Stddev	.0006	.0003	.0009	.0016	.0003	.0017	.0002	.0031	.008
%RSD	1.172	1.130	10.75	19.79	10.41	16.28	2.797	1.540	.1502
#1	.0529	.0237	.0074	.0070	.0028	.0118	.0063	.2003	5.069
#2	.0520	.0233	.0086	.0093	.0025	.0093	.0066	.1960	5.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1073**	**5.455**	**5.087**	**4.989**	**.1049**	**.0217**	**.0569**	**.2182**	**.0108**
Stddev	.0014	.023	.036	.008	.0004	.0001	.0005	.0004	.0005
%RSD	1.262	.4157	.7027	.1618	.3431	.6025	.8741	.1912	4.260
#1	.1064	5.471	5.112	4.983	.1052	.0218	.0572	.2185	.0105
#2	.1083	5.438	5.062	4.995	.1047	.0216	.0565	.2179	.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: 6/12/2014 11:25:35 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0111**	F **.0651**	**.0125**	**.0492**	**.0223**	**.0224**
Stddev	.0001	.0002	.0008	.0001	.0002	.0001	.0002
%RSD	.6755	1.523	1.303	.7974	.4616	.4322	.9596
#1	.0104	.0112	.0657	.0125	.0491	.0222	.0225
#2	.0105	.0109	.0645	.0124	.0494	.0223	.0222
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	**105220.**	**13300.**	**2152.0**	**6872.0**
Stddev	361.	19.	2.0	6.5
%RSD	.34300	.14350	.09512	.09388
#1	104970.	13286.	2150.5	6867.4
#2	105480.	13313.	2153.4	6876.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/12/2014 11:31:50 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0010**	**.0028**	**.0021**	**.0019**	**.0032**	**.0042**	**.0010**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0000	.0002
%RSD	.3111	3.709	7.873	1.836	5.800	6.538	2.160	.2444	18.03
#1	.0042	.0010	.0010	.0028	.0022	.0018	.0032	.0042	.0012
#2	.0042	.0009	.0009	.0028	.0021	.0019	.0033	.0042	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0118**	**.0024**	F **.0004**	**.0025**	F **.0069**	F **.0042**	**.1039**	**1.034**
Stddev	.0002	.0002	.0002	.0006	.0000	.0001	.0015	.0011	.005
%RSD	7.853	1.334	7.656	144.7	1.617	1.384	35.67	1.105	.5201
#1	.0022	.0119	.0023	.0009	.0024	.0069	.0032	.1031	1.038
#2	.0019	.0117	.0025	.0000	.0025	.0068	.0053	.1047	1.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value				.0020		.0050	.0030		
Range				-30.00%		30.00%	30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.1035**	**2.070**	**1.032**	**.0098**	**-.0003**	**-.0006**	**-.0018**	**-.0005**
Stddev	.0037	.0123	.007	.003	.0005	.0000	.0006	.0003	.0001
%RSD	476.0	11.89	.3541	.3147	4.848	8.942	106.8	15.68	26.47
#1	.0034	.1122	2.064	1.030	.0101	-.0003	-.0001	-.0020	-.0004
#2	-.0019	.0948	2.075	1.034	.0095	-.0004	-.0011	-.0016	-.0006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/12/2014 11:31:50 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0098**	**-.0004**	**-.0016**	**.0002**	**.0001**
Stddev	.0000	.0002	.0001	.0001	.0002	.0007	.0003
%RSD	50.68	223.7	1.357	24.33	14.81	302.1	203.5
#1	-.0001	.0003	-.0097	-.0005	-.0014	-.0003	-.0001
#2	-.0001	-.0001	-.0099	-.0004	-.0018	.0008	.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	**106010.**	**13361.**	**2175.0**	**6997.1**
Stddev	323.	57.	4.2	8.1
%RSD	.30504	.42635	.19528	.11513
#1	106240.	13321.	2178.0	7002.8
#2	105780.	13401.	2172.0	6991.4

Zoom In Zoom Out

Sample Name: cria Acquired: 6/12/2014 11:38:08 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0002**	**-.0002**	**.0003**	**-.0002**	**.0000**	**.0003**	**.0002**
Stddev	.000	.0000	.0001	.0002	.0003	.0003	.000	.0002	.0002
%RSD	306.1	20.17	53.27	160.0	93.99	209.2	231.6	60.21	68.63
#1	.0000	-.0001	.0001	-.0003	.0004	-.0004	-.0001	.0002	.0001
#2	-.0001	-.0001	.0002	.0000	.0001	.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	**.0000**	**.0008**	**.0197**	**.0008**	**.0210**	**.0235**	**.0203**	**.5122**	**.0024**
Stddev	.0001	.0000	.0010	.0001	.0000	.0023	.0005	.0095	.0005
%RSD	44220.	3.400	5.241	17.94	.0854	9.725	2.677	1.857	18.64
#1	.0001	.0008	.0190	.0009	.0210	.0219	.0207	.5189	.0021
#2	-.0001	.0008	.0205	.0007	.0209	.0251	.0199	.5055	.0028
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	**.5456**	**.0233**	**-.0034**	**.0016**	**-.0007**	**-.0010**	**-.0005**	**-.0014**	**-.0008**
Stddev	.0023	.0068	.0365	.0038	.0000	.0001	.0000	.0002	.0000
%RSD	.4227	29.26	1075.	245.9	6.352	6.036	4.800	10.41	2.535
#1	.5472	.0281	.0224	.0043	-.0007	-.0010	-.0005	-.0013	-.0008
#2	.5440	.0185	-.0292	-.0012	-.0007	-.0009	-.0005	-.0016	-.0008
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/12/2014 11:38:08 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0168**	**-.0008**	**-.0009**	**.0006**	**.0009**
Stddev	.0000	.000	.0007	.0001	.0012	.0008	.0005
%RSD	12.74	178.9	4.192	12.69	126.0	133.3	54.72
#1	-.0001	.0000	-.0163	-.0008	-.0001	.0012	.0012
#2	-.0001	.0000	-.0173	-.0009	-.0018	.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	**106580.**	**13335.**	**2171.1**	**7026.8**
Stddev	149.	58.	.5	7.1
%RSD	.13933	.43867	.02083	.10096
#1	106470.	13294.	2170.8	7021.8
#2	106680.	13377.	2171.4	7031.9

Zoom In Zoom Out

Sample Name: samplecheckconf Acquired: 6/12/2014 11:44:26 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0122**	**.0029**	**.0031**	**.0092**	**.0066**	**.0050**	**.0096**	**.0125**	**.0037**
Stddev	.0003	.0001	.0003	.0007	.0009	.0006	.0002	.0002	.0000
%RSD	2.853	2.022	8.149	7.812	13.95	12.33	1.698	1.230	.0542
#1	.0124	.0029	.0030	.0087	.0073	.0055	.0095	.0126	.0037
#2	.0119	.0029	.0033	.0097	.0060	.0046	.0097	.0124	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0064**	**.0352**	**.0082**	**.0083**	**.0106**	**.0245**	**.0082**	**.3117**	**3.083**
Stddev	.0001	.0005	.0015	.0045	.0003	.0010	.0015	.0025	.002
%RSD	1.287	1.303	17.64	53.82	2.415	3.899	17.76	.8033	.0641
#1	.0064	.0348	.0072	.0115	.0104	.0239	.0072	.3134	3.082
#2	.0065	.0355	.0093	.0051	.0107	.0252	.0093	.3099	3.084

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0027**	**.2769**	**6.230**	**3.104**	**.0277**	**-.0033**	**-.0014**	**-.0043**	**-.0018**
Stddev	.0009	.0731	.043	.023	.0014	.0003	.0006	.0000	.0008
%RSD	33.76	26.39	.6926	.7352	4.982	8.560	41.93	.0600	43.24
#1	.0033	.3285	6.261	3.120	.0287	-.0035	-.0018	-.0043	-.0024
#2	.0021	.2252	6.200	3.088	.0267	-.0031	-.0010	-.0043	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0006**	**-.0013**	**-.0629**	**-.0032**	**-.0039**	**.0007**	**.0033**
Stddev	.0001	.0002	.0013	.0003	.0003	.0022	.0019
%RSD	10.56	13.70	2.063	9.937	8.100	311.6	58.33
#1	-.0006	-.0012	-.0620	-.0030	-.0037	.0023	.0047
#2	-.0005	-.0014	-.0639	-.0034	-.0041	-.0008	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106160.**	**13424.**	**2181.5**	**7022.6**
Stddev	854.	6.	1.4	5.5
%RSD	.80494	.04832	.06251	.07864
#1	106760.	13428.	2182.5	7026.5
#2	105550.	13419.	2180.5	7018.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/12/2014 11:50:44 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0001**	**.0023**	**.0035**	**.0017**	**.0020**	**.0016**	**.0000**	**.0026**
Stddev	.0000	.0000	.0002	.0005	.0002	.0001	.0000	.0005	.0005
%RSD	2.984	26.77	7.393	13.44	11.34	4.841	2.362	1065.	17.61
#1	-.0008	-.0001	.0022	.0032	.0016	.0020	.0016	-.0003	.0023
#2	-.0009	-.0001	.0025	.0038	.0019	.0021	.0016	.0004	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0002**	**-.0004**	**-.0029**	**.0017**	**.0085**	**-.0005**	**507.7**	**380.1**
Stddev	.0001	.0000	.0004	.0010	.0006	.0012	.0022	1.1	1.7
%RSD	2.678	11.23	124.2	36.07	37.15	14.21	450.7	.2211	.4525
#1	.0033	.0002	-.0007	-.0021	.0013	.0076	-.0021	508.5	378.9
#2	.0034	.0002	.0000	-.0036	.0022	.0093	.0011	506.9	381.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.9**	**537.2**	**.0351**	**.0066**	**-.0115**	**-.0022**	**-.0200**	**-.0027**	**.0094**
Stddev	.3	.4	.0094	.0039	.0006	.0002	.0010	.0012	.0009
%RSD	.1517	.0717	26.81	58.79	5.257	8.212	4.821	44.91	9.849
#1	191.7	536.9	.0285	.0038	-.0111	-.0023	-.0207	-.0019	.0088
#2	192.1	537.4	.0418	.0093	-.0120	-.0021	-.0193	-.0036	.0101
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: 6/12/2014 11:50:44 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0024**	**-.0013**	**.0088**	**-.0492**	**.0037**	**.0059**
Stddev	.0001	.0001	.0007	.0001	.0002	.0012	.0000
%RSD	12.34	4.032	55.20	1.368	.3380	32.80	.7180
#1	-.0010	.0023	-.0008	.0088	-.0494	.0029	.0059
#2	-.0009	.0024	-.0019	.0087	-.0491	.0046	.0060
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	**89640.**	**12636.**	**1895.6**	**5591.3**
Stddev	59.	2.	3.6	2.7
%RSD	.06633	.01550	.18750	.04820
#1	89598.	12637.	1898.1	5593.2
#2	89682.	12634.	1893.0	5589.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/12/2014 11:57:07 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5035**	**.5005**	**1.018**	**.4771**	**.4785**	**.5227**	**.5067**	**.9579**	**1.111**
Stddev	.0005	.0004	.000	.0001	.0019	.0016	.0008	.0007	.000
%RSD	.0932	.0738	.0023	.0155	.3987	.2998	.1641	.0717	.0340
#1	.5039	.5002	1.018	.4771	.4799	.5216	.5073	.9574	1.110
#2	.5032	.5008	1.018	.4772	.4772	.5238	.5061	.9584	1.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4754**	**.9515**	**1.078**	**.9522**	**.9407**	**1.058**	**1.028**	**505.0**	**384.1**
Stddev	.0008	.0011	.002	.0031	.0002	.004	.000	3.5	4.0
%RSD	.1612	.1165	.1523	.3301	.0217	.4002	.0058	.6965	1.037
#1	.4760	.9523	1.080	.9500	.9408	1.061	1.028	502.5	386.9
#2	.4749	.9508	1.077	.9544	.9406	1.055	1.028	507.5	381.3
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	**194.9**	**536.2**	**.0152**	**.0037**	**-.0129**	**.4887**	**.5280**	**-.0072**	**.0078**
Stddev	.3	1.3	.0062	.0019	.0007	.0009	.0009	.0008	.0000
%RSD	.1611	.2408	40.68	52.20	5.256	.1810	.1698	10.83	.3596
#1	194.7	535.3	.0108	.0023	-.0124	.4881	.5286	-.0077	.0079
#2	195.1	537.1	.0196	.0050	-.0134	.4893	.5274	-.0066	.0078
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/12/2014 11:57:07 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0057**	**.5775**	**.5505**	**.4352**	**.5205**	**.5454**
Stddev	.0000	.0001	.0003	.0031	.0004	.0001	.0000
%RSD	1.809	1.745	.0466	.5674	.1030	.0129	.0054
#1	-.0012	.0058	.5777	.5483	.4355	.5205	.5453
#2	-.0012	.0057	.5773	.5528	.4348	.5206	.5454
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	**90507.**	**12618.**	**1898.9**	**5623.4**
Stddev	223.	19.	1.1	3.4
%RSD	.24630	.14745	.05886	.06050
#1	90350.	12631.	1898.1	5625.8
#2	90665.	12605.	1899.7	5621.0

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/12/2014 12:03:22 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**.0011**	**.0025**	**.0010**	**-.0006**	**.0032**	**.0003**	**.0070**
Stddev	.000	.000	.0001	.0001	.0000	.0001	.0000	.0001	.0002
%RSD	2650.	88.77	8.810	4.700	1.925	11.34	1.169	35.66	2.278
#1	-.0002	.0000	.0012	.0026	.0009	-.0007	.0031	.0004	.0072
#2	.0001	-.0001	.0011	.0024	.0010	-.0006	.0032	.0002	.0069

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0042**	**.0041**	**.0006**	**.0006**	**-.0011**	**.0012**	**.0036**	**.0355**	**.0468**
Stddev	.0001	.0001	.0003	.0011	.0003	.0003	.0004	.0116	.0122
%RSD	1.444	2.115	48.26	182.8	32.01	26.41	9.984	32.80	26.12
#1	.0041	.0040	.0004	.0014	-.0013	.0009	.0039	.0273	.0381
#2	.0042	.0041	.0008	-.0002	-.0008	.0014	.0034	.0438	.0554

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**212.7**	**.0887**	**-.0144**	**-.0063**	**-.0033**	**-.0116**	**-.0062**	**-.0003**	**.0006**
Stddev	.6	.0207	.0091	.0048	.0009	.0000	.0004	.0007	.0003
%RSD	.3038	23.30	63.33	75.19	27.44	.0248	6.078	254.1	47.46
#1	213.2	.0741	-.0080	-.0097	-.0027	-.0116	-.0060	.0002	.0004
#2	212.3	.1033	-.0209	-.0030	-.0040	-.0116	-.0065	-.0008	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0002**	**-.0132**	**.0032**	**.0035**	**.0067**	**.0000**
Stddev	.0000	.0002	.0019	.0004	.0004	.0006	.000
%RSD	3.982	79.83	14.25	11.11	11.63	8.815	15390.
#1	-.0002	-.0004	-.0119	.0035	.0038	.0063	.0003
#2	-.0002	-.0001	-.0145	.0030	.0032	.0071	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103580.**	**13261.**	**2129.1**	**7002.9**
Stddev	120.	46.	3.4	2.0
%RSD	.11598	.34712	.16075	.02867
#1	103490.	13228.	2131.5	7004.3
#2	103660.	13293.	2126.7	7001.5

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/12/2014 12:09:38 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0000**	**.0002**	**-.0021**	**10.50**	**.0002**	**-.0011**	**.0004**	**.0006**
Stddev	.0000	.0001	.0001	.0000	.04	.0000	.0000	.0000	.0001
%RSD	5.058	140.7	24.11	.8812	.4229	21.20	2.852	8.547	23.11
#1	.0004	.0001	.0003	-.0021	10.53	.0001	-.0011	.0004	.0005
#2	.0004	.0000	.0002	-.0021	10.47	.0002	-.0011	.0005	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0017**	**.0009**	**-.0022**	**.0000**	**.0018**	**.0031**	**.0262**	**.0503**
Stddev	.0002	.0000	.0001	.0007	.0004	.0016	.0001	.0049	.0064
%RSD	96.77	2.142	11.19	32.07	2259.	92.55	1.938	18.88	12.78
#1	.0001	.0017	.0009	-.0027	.0003	.0029	.0031	.0227	.0457
#2	.0003	.0017	.0008	-.0017	-.0003	.0006	.0031	.0297	.0548

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0351**	**.0497**	**.0035**	**.0022**	**-.0008**	**-.0007**	**.0000**	**.0076**	**-.0021**
Stddev	.0032	.0246	.0399	.0017	.0001	.0001	.000	.0001	.0001
%RSD	9.132	49.43	1128.	74.15	18.32	17.88	636.9	.8457	6.306
#1	.0329	.0323	-.0247	.0011	-.0007	-.0006	-.0002	.0076	-.0020
#2	.0374	.0671	.0317	.0034	-.0009	-.0007	.0001	.0077	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0303**	**-.0014**	**.0002**	**.0126**	**.0002**
Stddev	.0001	.0003	.0005	.0001	.0018	.0004	.0012
%RSD	74.19	99.02	1.728	4.384	978.9	3.287	522.5
#1	-.0001	-.0001	-.0299	-.0014	.0015	.0129	-.0006
#2	.0000	-.0005	-.0306	-.0014	-.0011	.0123	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105820.**	**13293.**	**2121.1**	**6992.4**
Stddev	240.	34.	.4	4.2
%RSD	.22641	.25568	.02106	.06014
#1	105650.	13269.	2121.5	6995.3
#2	105990.	13317.	2120.8	6989.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 12:15:57 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.033**	**2.006**	**2.005**	**2.028**	**1.949**	**2.048**	**2.034**	**.2491**
Stddev	.002	.000	.002	.004	.002	.000	.004	.005	.0010
%RSD	.1160	.0177	.0853	.1803	.0843	.0115	.2052	.2462	.4194
#1	2.003	2.033	2.005	2.003	2.029	1.949	2.051	2.030	.2498
#2	2.006	2.033	2.008	2.008	2.027	1.949	2.045	2.038	.2483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.046**	**1.996**	**2.116**	**2.033**	**2.009**	**1.986**	**39.75**	**40.97**
Stddev	.004	.003	.007	.010	.004	.005	.004	.00	.09
%RSD	.1802	.1558	.3615	.4524	.1752	.2267	.2009	.0058	.2308
#1	2.003	2.043	1.991	2.109	2.031	2.006	1.983	39.75	40.91
#2	1.998	2.048	2.001	2.123	2.036	2.012	1.989	39.75	41.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.06**	**40.99**	**40.00**	**40.27**	**2.008**	**2.018**	**1.966**	**4.998**	**2.062**
Stddev	.09	.16	.07	.04	.006	.007	.000	.013	.003
%RSD	.2300	.3803	.1805	.0939	.3111	.3400	.0163	.2498	.1369
#1	40.99	40.88	40.06	40.30	2.004	2.014	1.966	4.989	2.060
#2	41.13	41.10	39.95	40.24	2.012	2.023	1.967	5.007	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: 6/12/2014 12:15:57 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.010**	**1.860**	**2.067**	**1.978**	**2.022**	**1.995**
Stddev	.005	.002	.036	.001	.013	.003	.006
%RSD	.2616	.0762	1.942	.0237	.6412	.1586	.3004
#1	2.020	2.011	1.835	2.067	1.969	2.020	1.991
#2	2.028	2.009	1.886	2.066	1.987	2.025	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	**100790.**	**13083.**	**2075.6**	**6319.6**
Stddev	87.	10.	.8	6.3
%RSD	.08630	.07592	.04025	.10038
#1	100730.	13090.	2076.2	6324.1
#2	100850.	13076.	2075.0	6315.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 12:24:18 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0004**	**.0003**	**.0003**	**.0004**	**.0005**	**.0004**	**.0003**
Stddev	.0002	.0001	.0001	.0001	.0003	.0001	.0000	.0001	.0001
%RSD	41.15	14.34	27.87	17.73	105.3	21.72	6.133	18.16	34.69
#1	.0005	.0005	.0005	.0003	.0001	.0003	.0004	.0005	.0002
#2	.0003	.0004	.0003	.0003	.0005	.0004	.0005	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0002**	**-.0001**	**-.0006**	**.0002**	**.0006**	**-.0003**	**.0137**	**.0115**
Stddev	.0003	.0000	.0001	.0007	.0004	.0004	.0012	.0022	.0052
%RSD	56.25	4.800	69.09	106.7	238.3	71.20	449.1	15.92	45.73
#1	.0003	.0002	-.0002	-.0002	.0005	.0003	.0006	.0152	.0152
#2	.0008	.0002	-.0001	-.0011	-.0001	.0009	-.0011	.0121	.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	F **.0149**	**.0199**	**.0308**	**.0054**	**.0002**	**.0005**	**.0003**	**.0021**	**.0003**
Stddev	.0023	.0158	.0188	.0075	.0006	.0004	.0011	.0021	.0000
%RSD	15.12	79.45	61.09	139.5	309.4	68.25	365.4	98.33	13.84
#1	.0133	.0311	.0441	.0106	-.0002	.0008	-.0005	.0006	.0003
#2	.0165	.0087	.0175	.0001	.0006	.0003	.0010	.0036	.0003
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: 6/12/2014 12:24:18 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**-.0006**	**.0006**	**-.0011**	**-.0001**	**.0011**
Stddev	.0002	.0003	.0027	.0000	.0008	.0004	.0007
%RSD	41.21	95.84	466.3	5.528	75.22	445.3	65.98
#1	.0005	.0001	.0013	.0006	-.0017	.0002	.0016
#2	.0003	.0005	-.0025	.0005	-.0005	-.0004	.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	**106420.**	**13279.**	**2172.7**	**7027.1**
Stddev	146.	14.	7.7	12.2
%RSD	.13691	.10545	.35543	.17385
#1	106530.	13269.	2178.1	7035.8
#2	106320.	13289.	2167.2	7018.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/12/2014 12:34:14 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0009**	**.0011**	**.0029**	**.0021**	**.0020**	**.0032**	**.0043**	**.0011**
Stddev	.0001	.0001	.0002	.0002	.0001	.0004	.0000	.0001	.0001
%RSD	1.630	8.831	16.20	5.270	3.738	20.81	.8369	1.198	6.857
#1	.0039	.0010	.0009	.0028	.0020	.0017	.0032	.0042	.0010
#2	.0040	.0009	.0012	.0030	.0021	.0022	.0033	.0043	.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	**.0020**	**.0119**	**.0023**	**.0025**	**.0021**	F **.0065**	**.0027**	**.1046**	**1.052**
Stddev	.0000	.0000	.0005	.0007	.0000	.0001	.0002	.0030	.004
%RSD	.1950	.4176	21.79	28.44	1.266	1.046	7.864	2.894	.3883
#1	.0020	.0118	.0026	.0030	.0021	.0066	.0026	.1025	1.055
#2	.0020	.0119	.0019	.0020	.0021	.0065	.0029	.1068	1.049
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	**.0000**	**.1135**	**2.080**	**1.028**	**.0092**	**-.0010**	**-.0005**	**-.0026**	**-.0001**
Stddev	.0011	.0275	.020	.003	.0001	.0002	.0011	.0004	.0003
%RSD	2775.	24.22	.9661	.3239	.5713	21.61	239.5	14.82	443.8
#1	.0008	.1329	2.094	1.026	.0091	-.0008	.0003	-.0029	.0001
#2	-.0007	.0940	2.066	1.030	.0092	-.0011	-.0012	-.0024	-.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: 6/12/2014 12:34:14 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0189**	**-.0007**	**-.0008**	**-.0002**	**.0015**
Stddev	.0000	.0001	.0008	.0002	.0001	.0003	.0008
%RSD	20.53	38.06	4.055	24.72	6.807	196.6	56.50
#1	-.0001	-.0005	-.0184	-.0006	-.0008	.0001	.0009
#2	-.0001	-.0003	-.0194	-.0009	-.0009	-.0004	.0021
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107320.**	**13287.**	**2174.1**	**7013.6**
Stddev	244.	55.	1.0	.7
%RSD	.22703	.41638	.04530	.00938
#1	107490.	13248.	2173.4	7014.1
#2	107140.	13326.	2174.8	7013.1

Zoom In Zoom Out

Sample Name: mp79943-mb1 2 Acquired: 6/12/2014 12:40:31 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**.0002**	**.0000**	**.0002**	**-.0001**	**-.0001**	**.0001**	**.0001**
Stddev	.0000	.0000	.0001	.0003	.0003	.0001	.0000	.0000	.0003
%RSD	90.71	67.33	32.78	9716.	173.3	48.85	27.82	56.63	251.7
#1	-.0001	.0000	.0003	-.0002	.0000	-.0002	-.0001	.0001	-.0001
#2	.0000	-.0001	.0002	.0002	.0004	-.0001	.0000	.0000	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0019**	**-.0014**	**-.0004**	**.0003**	**.0021**	**.0003**	**.0027**	**.0133**
Stddev	.0002	.0002	.0001	.0003	.0002	.0019	.0002	.0002	.0020
%RSD	108.2	8.578	9.179	69.03	44.51	88.33	43.53	6.164	14.71
#1	.0003	.0020	-.0013	-.0002	.0002	.0008	.0002	.0029	.0119
#2	.0000	.0018	-.0014	-.0006	.0005	.0034	.0005	.0026	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**-.0062**	**.0064**	**.0003**	**-.0005**	**-.0011**	**-.0007**	**.0201**	**-.0001**
Stddev	.0003	.0292	.0043	.0051	.0001	.0001	.0003	.0005	.0009
%RSD	19.27	473.9	66.70	1675.	27.43	5.382	41.08	2.683	1658.
#1	.0016	-.0268	.0034	-.0033	-.0006	-.0010	-.0009	.0205	-.0007
#2	.0012	.0145	.0095	.0039	-.0004	-.0011	-.0005	.0197	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0191**	**-.0002**	**.0021**	**-.0005**	**.0007**
Stddev	.0000	.0000	.0018	.0001	.0028	.0006	.0006
%RSD	13.09	37.46	9.476	33.19	133.4	106.3	88.70
#1	-.0001	-.0001	-.0178	-.0002	.0041	-.0009	.0002
#2	-.0001	-.0002	-.0204	-.0003	.0001	-.0001	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106720.**	**13289.**	**2151.3**	**6996.4**
Stddev	452.	22.	41.5	124.7
%RSD	.42335	.16220	1.9276	1.7823
#1	107040.	13304.	2122.0	6908.2
#2	106400.	13274.	2180.7	7084.6

Zoom In Zoom Out

Sample Name: mp79943-lc1 Acquired: 6/12/2014 12:46:49 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5270**	**.5040**	**.4922**	**.4788**	**.5033**	**.4679**	**.5155**	**.4987**	**.2091**
Stddev	.0003	.0007	.0005	.0022	.0004	.0022	.0008	.0026	.0003
%RSD	.0514	.1474	.1017	.4694	.0746	.4640	.1488	.5246	.1335
#1	.5272	.5045	.4918	.4772	.5030	.4695	.5160	.4968	.2093
#2	.5269	.5034	.4926	.4804	.5036	.4664	.5149	.5005	.2089

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4802**	**.5133**	**.5005**	**.5451**	**.5020**	**.5216**	**.4837**	**5.178**	**5.897**
Stddev	.0010	.0013	.0005	.0058	.0018	.0013	.0002	.031	.001
%RSD	.2098	.2545	.0983	1.058	.3526	.2586	.0445	.6059	.0150
#1	.4809	.5124	.5002	.5410	.5008	.5206	.4836	5.201	5.897
#2	.4795	.5143	.5009	.5492	.5033	.5225	.4839	5.156	5.896

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.980**	**5.828**	**10.51**	**10.58**	**.0119**	**.4944**	**-.0012**	**-.0138**	**.0010**
Stddev	.016	.004	.03	.01	.0001	.0020	.0003	.0000	.0006
%RSD	.2639	.0651	.2554	.0749	.8609	.4055	27.17	.0492	62.50
#1	5.991	5.830	10.53	10.58	.0120	.4930	-.0015	-.0138	.0006
#2	5.969	5.825	10.49	10.57	.0119	.4958	-.0010	-.0138	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5042**	**-.0130**	**.0062**	**.0013**	**-.0022**	**.0014**
Stddev	.0000	.0009	.0008	.0002	.0001	.0008	.0005
%RSD	14.01	.1819	6.179	3.926	11.10	33.75	38.52
#1	-.0002	.5048	-.0136	.0064	.0012	-.0017	.0018
#2	-.0002	.5035	-.0125	.0060	.0014	-.0028	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105400.**	**13387.**	**2138.7**	**6764.2**
Stddev	149.	77.	1.0	11.3
%RSD	.14140	.57446	.04566	.16719
#1	105300.	13333.	2139.4	6772.2
#2	105510.	13442.	2138.0	6756.2

Zoom In Zoom Out

Sample Name: mp79943-s1 Acquired: 6/12/2014 12:52:55 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.067**	**.0537**	**.0517**	**.5189**	**.2178**	**.2498**	**2.435**	**.5293**	**.0548**
Stddev	.000	.0003	.0004	.0018	.0006	.0003	.006	.0012	.0002
%RSD	.0115	.5065	.8320	.3553	.2619	.1360	.2462	.2361	.3794
#1	2.067	.0539	.0514	.5176	.2182	.2501	2.439	.5284	.0550
#2	2.067	.0535	.0520	.5202	.2174	.2496	2.431	.5301	.0547

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5062**	**.5348**	**2.160**	**2.284**	**.5320**	**2.239**	**.5194**	**2.069**	**42.29**
Stddev	.0006	.0012	.004	.016	.0016	.001	.0000	.001	.10
%RSD	.1207	.2327	.1981	.7079	.3096	.0247	.0065	.0498	.2289
#1	.5066	.5339	2.157	2.295	.5308	2.238	.5194	2.068	42.36
#2	.5057	.5357	2.163	2.272	.5331	2.239	.5195	2.069	42.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.59**	**32.13**	**27.10**	**29.36**	**.0183**	**-.0012**	**-.0038**	**1.967**	**.0009**
Stddev	.09	.10	.09	.07	.0003	.0002	.0002	.003	.0004
%RSD	.2629	.3183	.3143	.2544	1.577	14.38	4.141	.1393	39.74
#1	35.65	32.20	27.16	29.41	.0185	-.0010	-.0039	1.965	.0012
#2	35.52	32.06	27.04	29.31	.0181	-.0013	-.0036	1.968	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0556**	**.0006**	**-.0153**	**.0004**	**1.265**	**.0004**	**.0007**
Stddev	.0000	.0000	.0004	.0000	.004	.0011	.0002
%RSD	.0428	6.110	2.734	6.218	.3105	242.6	26.13
#1	.0555	.0006	-.0150	.0004	1.268	-.0003	.0005
#2	.0556	.0006	-.0156	.0004	1.262	.0012	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102210.**	**13286.**	**2082.0**	**6467.6**
Stddev	230.	60.	3.4	3.6
%RSD	.22503	.45342	.16304	.05523
#1	102050.	13243.	2084.4	6470.1
#2	102370.	13328.	2079.6	6465.1

Zoom In Zoom Out

Sample Name: mp79943-s2 Acquired: 6/12/2014 12:59:01 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.092**	**.0544**	**.0526**	**.5279**	**.2200**	**.2512**	**2.451**	**.5396**	**.0554**
Stddev	.000	.0000	.0003	.0016	.0001	.0007	.008	.0022	.0003
%RSD	.0073	.0597	.5939	.3090	.0645	.2742	.3264	.4010	.5693
#1	2.091	.0544	.0524	.5268	.2199	.2516	2.445	.5380	.0557
#2	2.092	.0544	.0528	.5291	.2201	.2507	2.456	.5411	.0552

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5086**	**.5437**	**2.194**	**2.304**	**.5400**	**2.274**	**.5296**	**2.089**	**42.91**
Stddev	.0022	.0021	.008	.002	.0022	.004	.0018	.014	.04
%RSD	.4355	.3950	.3783	.0835	.3991	.1736	.3344	.6724	.0871
#1	.5071	.5422	2.188	2.305	.5385	2.271	.5284	2.079	42.94
#2	.5102	.5453	2.200	2.302	.5415	2.276	.5309	2.099	42.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.94**	**32.62**	**27.42**	**29.60**	**.0188**	**-.0015**	**-.0035**	**1.969**	**.0014**
Stddev	.05	.01	.01	.01	.0005	.0001	.0008	.003	.0000
%RSD	.1407	.0186	.0431	.0359	2.676	4.543	22.47	.1551	1.879
#1	35.98	32.61	27.41	29.59	.0191	-.0014	-.0040	1.967	.0013
#2	35.91	32.62	27.43	29.61	.0184	-.0015	-.0029	1.971	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0564**	**.0005**	**-.0183**	**-.0003**	**1.278**	**.0004**	**.0009**
Stddev	.0000	.0002	.0007	.0001	.004	.0001	.0004
%RSD	.0683	45.00	4.102	30.61	.3449	21.10	42.41
#1	.0564	.0003	-.0177	-.0002	1.275	.0004	.0012
#2	.0565	.0006	-.0188	-.0003	1.282	.0005	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102360.**	**13256.**	**2076.2**	**6449.6**
Stddev	279.	16.	3.3	10.2
%RSD	.27258	.11988	.16028	.15817
#1	102550.	13245.	2078.6	6456.8
#2	102160.	13267.	2073.9	6442.3

Zoom In Zoom Out

Sample Name: mp79943-s3 Acquired: 6/12/2014 13:05:17 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.058**	**.0538**	**.0511**	**.5101**	**.2099**	**.2524**	**2.499**	**.5246**	**.0547**
Stddev	.004	.0002	.0000	.0002	.0001	.0008	.000	.0006	.0002
%RSD	.1982	.3910	.0268	.0329	.0340	.3156	.0088	.1155	.3509
#1	2.061	.0539	.0511	.5100	.2098	.2519	2.499	.5251	.0548
#2	2.056	.0536	.0511	.5102	.2099	.2530	2.498	.5242	.0545

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5138**	**.5311**	**2.127**	**2.254**	**.5352**	**2.215**	**.5181**	**2.067**	**41.85**
Stddev	.0002	.0002	.003	.001	.0001	.001	.0005	.006	.00
%RSD	.0385	.0370	.1342	.0622	.0249	.0577	.0921	.2739	.0021
#1	.5136	.5309	2.129	2.253	.5353	2.216	.5184	2.063	41.84
#2	.5139	.5312	2.125	2.255	.5351	2.214	.5177	2.071	41.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.39**	**31.80**	**27.09**	**29.42**	**.0182**	**-.0021**	**-.0034**	**1.864**	**.0021**
Stddev	.04	.08	.03	.01	.0003	.0000	.0004	.001	.0003
%RSD	.1323	.2365	.1110	.0326	1.641	1.672	10.24	.0367	13.35
#1	32.42	31.75	27.11	29.43	.0180	-.0021	-.0037	1.863	.0019
#2	32.36	31.86	27.06	29.41	.0184	-.0020	-.0032	1.864	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0545**	**.0002**	**-.0268**	**-.0007**	**1.206**	**.0004**	**.0011**
Stddev	.0001	.0001	.0016	.0002	.000	.0007	.0003
%RSD	.1750	41.40	6.138	31.47	.0316	176.0	26.10
#1	.0546	.0002	-.0280	-.0006	1.206	.0009	.0013
#2	.0544	.0001	-.0256	-.0009	1.205	-.0001	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100940.**	**13194.**	**2089.4**	**6443.8**
Stddev	37.	37.	1.0	3.7
%RSD	.03691	.27797	.04852	.05740
#1	100970.	13220.	2088.7	6441.2
#2	100910.	13168.	2090.1	6446.4

Zoom In Zoom Out

Sample Name: mp79943-s4 Acquired: 6/12/2014 13:11:23 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.105**	**.0551**	**.0529**	**.5251**	**.2159**	**.2588**	**2.561**	**.5398**	**.0564**
Stddev	.002	.0000	.0001	.0014	.0005	.0002	.006	.0008	.0001
%RSD	.0797	.0395	.1198	.2653	.2483	.0700	.2476	.1493	.1062
#1	2.106	.0551	.0529	.5242	.2155	.2586	2.557	.5393	.0564
#2	2.103	.0551	.0528	.5261	.2163	.2589	2.566	.5404	.0563

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5285**	**.5598**	**2.182**	**2.304**	**.5503**	**2.265**	**.5289**	**2.128**	**42.86**
Stddev	.0013	.0011	.012	.026	.0009	.009	.0044	.012	.02
%RSD	.2548	.1984	.5288	1.110	.1618	.4155	.8337	.5390	.0419
#1	.5276	.5590	2.174	2.286	.5496	2.259	.5258	2.120	42.84
#2	.5295	.5606	2.191	2.322	.5509	2.272	.5320	2.136	42.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.94**	**32.73**	**27.92**	**30.40**	**.0180**	**-.0023**	**-.0031**	**1.915**	**.0012**
Stddev	.01	.23	.04	.03	.0008	.0001	.0011	.002	.0009
%RSD	.0313	.6920	.1328	.1149	4.198	2.242	33.98	.1181	72.68
#1	32.93	32.57	27.95	30.42	.0175	-.0022	-.0038	1.914	.0006
#2	32.94	32.89	27.90	30.37	.0185	-.0023	-.0024	1.917	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0552**	**.0006**	**-.0278**	**-.0007**	**1.230**	**.0004**	**.0016**
Stddev	.0000	.0000	.0006	.0002	.007	.0009	.0005
%RSD	.0783	3.135	2.064	32.70	.5886	195.9	31.27
#1	.0552	.0006	-.0282	-.0005	1.225	-.0002	.0019
#2	.0551	.0006	-.0274	-.0008	1.235	.0010	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100650.**	**13084.**	**2090.3**	**6441.2**
Stddev	60.	3.	5.0	.8
%RSD	.05990	.02525	.23836	.01318
#1	100690.	13086.	2093.8	6441.8
#2	100610.	13082.	2086.8	6440.6

Zoom In Zoom Out

Sample Name: jb68331-13 Acquired: 6/12/2014 13:17:27 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0076**	**-.0001**	**.0004**	**.0106**	**.0075**	**.0004**	**1.921**	**.0064**	**.0013**
Stddev	.0001	.0001	.0003	.0000	.0001	.0001	.003	.0002	.0002
%RSD	1.336	37.43	71.12	.4097	1.533	28.82	.1343	2.483	13.67
#1	.0076	-.0002	.0006	.0106	.0076	.0003	1.920	.0065	.0012
#2	.0075	-.0001	.0002	.0106	.0074	.0005	1.923	.0063	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0046**	**.0038**	**.0010**	**.0064**	**.0065**	**.0002**	**.0214**	**15.94**
Stddev	.0001	.0002	.0004	.0011	.0003	.0018	.0000	.0022	.04
%RSD	9.321	3.982	10.27	111.5	4.842	27.01	13.52	10.52	.2343
#1	.0006	.0045	.0041	.0018	.0062	.0077	.0002	.0230	15.96
#2	.0007	.0047	.0035	.0002	.0066	.0052	.0002	.0198	15.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**33.96**	**5.254**	**.8661**	**3.068**	**.0191**	**-.0022**	**-.0016**	**1.933**	**.0005**
Stddev	.08	.012	.0219	.012	.0005	.0001	.0002	.000	.0006
%RSD	.2463	.2185	2.529	.3797	2.482	2.358	13.04	.0098	129.1
#1	34.02	5.246	.8506	3.076	.0195	-.0022	-.0015	1.933	.0009
#2	33.90	5.262	.8816	3.060	.0188	-.0022	-.0018	1.933	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0548**	**.0001**	**-.0260**	**-.0018**	**1.189**	**.0006**	**.0006**
Stddev	.0000	.0007	.0004	.0001	.001	.0001	.0016
%RSD	.0114	531.2	1.590	2.802	.1031	12.29	243.4
#1	.0548	.0006	-.0258	-.0018	1.190	.0006	.0017
#2	.0548	-.0003	-.0263	-.0018	1.188	.0005	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105230.**	**13272.**	**2151.1**	**6869.3**
Stddev	49.	69.	2.2	.6
%RSD	.04612	.51982	.10230	.00805
#1	105260.	13223.	2152.7	6869.7
#2	105190.	13320.	2149.6	6869.0

Zoom In Zoom Out

Sample Name: mp79943-sd1 Acquired: 6/12/2014 13:23:41 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0076**	**-.0005**	**.0007**	**.0098**	**.0080**	**.0006**	**1.871**	**.0061**	**.0015**
Stddev	.0000	.0003	.0001	.0002	.0007	.0003	.018	.0006	.0007
%RSD	.0341	49.24	12.37	1.991	9.180	46.00	.9569	10.62	43.42
#1	.0076	-.0003	.0007	.0099	.0086	.0008	1.859	.0056	.0010
#2	.0076	-.0007	.0008	.0097	.0075	.0004	1.884	.0065	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0718**	**-.0053**	**.0070**	**.0051**	**.0150**	**-.0011**	**.0502**	**16.05**
Stddev	.0010	.0002	.0025	.0098	.0052	.0082	.0018	.0385	.09
%RSD	344.2	.2176	47.06	139.9	100.2	54.83	164.1	76.73	.5739
#1	.0004	.0719	-.0071	.0139	.0015	.0092	.0002	.0229	16.12
#2	-.0010	.0717	-.0036	.0001	.0088	.0208	-.0024	.0774	15.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**32.95**	**5.137**	**.8314**	**2.985**	**.0133**	**-.0096**	**-.0037**	**1.967**	**.0028**
Stddev	.07	.034	.0777	.001	.0017	.0008	.0002	.002	.0005
%RSD	.2071	.6550	9.341	.0320	12.46	8.426	6.157	.0973	15.90
#1	33.00	5.161	.7765	2.984	.0145	-.0091	-.0039	1.966	.0025
#2	32.90	5.114	.8863	2.986	.0122	-.0102	-.0036	1.969	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0523**	**-.0001**	**-.1622**	**-.0080**	**1.172**	**.0001**	**.0029**
Stddev	.0001	.0010	.0039	.0006	.004	.0029	.0008
%RSD	.2173	710.5	2.416	7.183	.3091	3976.	26.19
#1	.0523	.0006	-.1595	-.0084	1.174	.0021	.0023
#2	.0522	-.0009	-.1650	-.0076	1.169	-.0020	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106560.**	**13274.**	**2171.2**	**6999.7**
Stddev	650.	161.	3.9	13.3
%RSD	.61036	1.2112	.17749	.19008
#1	107020.	13160.	2174.0	7009.1
#2	106100.	13387.	2168.5	6990.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 13:29:57 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.038**	**2.009**	**2.003**	**2.032**	**1.958**	**2.064**	**2.037**	**.2512**
Stddev	.004	.003	.001	.003	.001	.001	.000	.002	.0011
%RSD	.1984	.1250	.0717	.1705	.0610	.0587	.0133	.1025	.4274
#1	2.004	2.040	2.008	2.000	2.031	1.959	2.064	2.036	.2519
#2	1.999	2.037	2.010	2.005	2.033	1.958	2.064	2.039	.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	**2.013**	**2.049**	**1.990**	**2.052**	**2.043**	**1.990**	**1.986**	**39.97**	**41.25**
Stddev	.001	.002	.000	.010	.000	.003	.002	.09	.04
%RSD	.0547	.1080	.0049	.5010	.0202	.1666	.0739	.2186	.0948
#1	2.013	2.051	1.990	2.060	2.043	1.992	1.985	40.04	41.28
#2	2.012	2.048	1.991	2.045	2.042	1.987	1.987	39.91	41.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.28**	**41.62**	**40.24**	**40.61**	**2.007**	**2.014**	**1.972**	**5.008**	**2.060**
Stddev	.11	.07	.11	.07	.003	.001	.002	.005	.002
%RSD	.2590	.1629	.2740	.1793	.1436	.0603	.1161	.0948	.1143
#1	41.35	41.57	40.31	40.67	2.005	2.013	1.970	5.005	2.062
#2	41.20	41.66	40.16	40.56	2.009	2.015	1.974	5.012	2.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 13:29:57 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.017**	**1.837**	**2.068**	**1.939**	**2.022**	**2.009**
Stddev	.003	.000	.034	.001	.006	.003	.002
%RSD	.1336	.0086	1.848	.0219	.3352	.1507	.0841
#1	2.026	2.017	1.813	2.068	1.943	2.020	2.010
#2	2.023	2.017	1.861	2.068	1.934	2.024	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	**100960.**	**12914.**	**2084.2**	**6350.3**
Stddev	85.	42.	1.0	3.7
%RSD	.08381	.32172	.04839	.05850
#1	100900.	12885.	2084.9	6352.9
#2	101020.	12944.	2083.5	6347.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 13:42:54 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0003**	**.0002**	**.0002**	**.0001**	**.0004**	**.0002**
Stddev	.0001	.0000	.0000	.0001	.0002	.0003	.0002	.0001
%RSD	156.2	.3687	13.87	29.95	91.36	630.4	41.95	43.46
#1	.0000	-.0001	.0003	.0002	.0001	-.0002	.0003	.0002
#2	.0002	-.0001	.0003	.0002	.0004	.0003	.0005	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**.0003**	**-.0009**	**.0014**	**-.0003**	**.0029**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0017	.0010	.0009	.0002
%RSD	71.00	3.852	15.32	14.93	123.6	324.5	32.58	115.7
#1	.0002	.0005	.0002	-.0008	.0026	.0004	.0035	.0000
#2	.0001	.0004	.0003	-.0010	.0002	-.0010	.0022	-.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	**.0007**	**-.0031**	**.0001**	**.0247**	**.0247**	**-.0064**	**.0003**	**-.0006**
Stddev	.0003	.0007	.0000	.0062	.0083	.0012	.0005	.0001
%RSD	47.41	22.42	25.06	25.11	33.57	18.52	183.4	10.00
#1	.0009	-.0026	.0001	.0291	.0189	-.0073	.0006	-.0006
#2	.0005	-.0036	.0001	.0203	.0306	-.0056	-.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 13:42:54 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0035**	**-.0002**	**-.0001**	**-.0001**	F **-.0165**	**-.0003**	**-.0024**
Stddev	.0003	.0005	.0000	.0000	.0001	.0023	.0002	.0013
%RSD	59.03	12.99	11.37	12.36	36.92	13.78	58.79	54.21
#1	-.0003	.0039	-.0002	-.0001	-.0002	-.0149	-.0002	-.0015
#2	-.0007	.0032	-.0002	-.0001	-.0001	-.0181	-.0004	-.0034
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**	**.0003**
Stddev	.0010	.0003
%RSD	99.04	102.6
#1	.0017	.0001
#2	.0003	.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	**107900.**	**13181.**	**2203.8**	**7129.8**
Stddev	16.	12.	1.0	4.0
%RSD	.01458	.09058	.04345	.05628
#1	107890.	13173.	2204.5	7126.9
#2	107910.	13189.	2203.1	7132.6

Zoom In Zoom Out

Sample Name: mp79942-mb1conf Acquired: 6/12/2014 13:49:11 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0000**	**-.0002**	**.0003**	**-.0005**	**.0000**	**.0002**	**.0004**
Stddev	.0001	.0000	.0001	.0001	.0004	.0001	.000	.0001	.0002
%RSD	39.74	21.20	301.7	49.37	106.9	16.30	66.23	58.22	40.69
#1	.0001	-.0001	.0000	-.0003	.0006	-.0004	.0000	.0003	.0003
#2	.0002	-.0001	.0001	-.0001	.0001	-.0005	.0000	.0001	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**-.0015**	**-.0003**	**.0004**	**.0019**	**.0002**	**-.0055**	**-.0059**
Stddev	.0003	.0001	.0009	.0015	.0003	.0029	.0003	.0006	.0065
%RSD	1508.	154.8	60.19	521.3	79.81	154.4	182.1	11.45	110.2
#1	-.0002	.0000	-.0009	-.0013	.0007	.0039	.0004	-.0051	-.0013
#2	.0002	-.0002	-.0021	.0008	.0002	-.0002	.0000	-.0059	-.0106

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0090**	**-.0066**	**.0077**	**-.0150**	**-.0005**	**-.0013**	**-.0003**	**.0048**	**.0002**
Stddev	.0036	.0346	.0103	.0004	.0007	.0001	.0007	.0007	.0002
%RSD	40.14	525.4	132.9	2.460	134.9	8.013	279.9	15.64	83.34
#1	.0064	.0179	.0150	-.0152	.0000	-.0013	.0002	.0043	.0001
#2	.0115	-.0310	.0005	-.0147	-.0009	-.0014	-.0008	.0053	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0259**	**-.0009**	**.0009**	**-.0004**	**.0015**
Stddev	.0000	.0003	.0003	.0000	.0000	.0001	.0006
%RSD	17.17	140.0	1.051	.7670	4.630	33.48	40.58
#1	-.0001	.0000	-.0261	-.0010	.0009	-.0005	.0020
#2	-.0002	-.0004	-.0257	-.0009	.0009	-.0003	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106860.**	**13154.**	**2188.3**	**7074.3**
Stddev	410.	38.	2.1	.8
%RSD	.38358	.29064	.09558	.01166
#1	107150.	13181.	2189.8	7073.7
#2	106570.	13127.	2186.8	7074.9

Zoom In Zoom Out

Sample Name: mp79942-s3 1 Acquired: 6/12/2014 13:55:25 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.049**	**.0525**	**.0517**	**.5049**	**.2083**	**.2473**	**.5590**	**.5265**	**.0547**
Stddev	.000	.0002	.0000	.0008	.0000	.0016	.0005	.0006	.0002
%RSD	.0044	.3038	.0766	.1606	.0088	.6269	.0972	.1206	.3174
#1	2.049	.0523	.0517	.5043	.2083	.2484	.5586	.5260	.0546
#2	2.049	.0526	.0516	.5054	.2082	.2462	.5594	.5269	.0548

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5021**	**.5406**	**2.146**	**2.263**	**.5405**	**2.282**	**.5197**	**2.226**	**26.38**
Stddev	.0002	.0004	.002	.010	.0022	.002	.0001	.004	.07
%RSD	.0383	.0681	.0938	.4498	.4028	.0960	.0176	.1843	.2630
#1	.5022	.5409	2.147	2.271	.5390	2.281	.5197	2.223	26.43
#2	.5019	.5404	2.145	2.256	.5421	2.284	.5196	2.228	26.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.613**	**28.37**	**26.69**	**35.16**	**.0094**	**-.0014**	**-.0017**	**4.059**	**.0014**
Stddev	.001	.15	.03	.05	.0007	.0000	.0002	.002	.0001
%RSD	.0671	.5174	.1292	.1302	7.145	3.036	14.69	.0400	9.182
#1	1.614	28.48	26.66	35.13	.0089	-.0013	-.0015	4.060	.0013
#2	1.612	28.27	26.71	35.19	.0099	-.0014	-.0019	4.058	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0152**	**.0001**	**-.0321**	**.0000**	**1.528**	**.0001**	**.0019**
Stddev	.0000	.0001	.0002	.0001	.006	.0000	.0007
%RSD	.0553	116.2	.5932	234.7	.3962	6.899	34.32
#1	.0152	.0001	-.0322	.0000	1.532	.0001	.0014
#2	.0152	.0000	-.0319	.0001	1.523	.0001	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102220.**	**13290.**	**2130.0**	**6566.1**
Stddev	96.	31.	3.4	15.5
%RSD	.09432	.23027	.16095	.23615
#1	102290.	13269.	2132.4	6577.1
#2	102150.	13312.	2127.6	6555.2

Zoom In Zoom Out

Sample Name: jb68400-1 Acquired: 6/12/2014 14:01:27 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4126**	**.0022**	**.0017**	**.0383**	**.0673**	**.2654**	**2.875**	**.0939**	**.0020**
Stddev	.0035	.0001	.0001	.0002	.0005	.0001	.002	.0006	.0005
%RSD	.8420	4.748	3.406	.4511	.6965	.0432	.0698	.6062	26.17
#1	.4101	.0021	.0016	.0381	.0670	.2655	2.874	.0935	.0016
#2	.4150	.0022	.0017	.0384	.0676	.2654	2.877	.0943	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0762**	**.3115**	**.0232**	**-.0012**	**.4076**	**.0289**	**.0005**	**32.10**	**48.85**
Stddev	.0003	.0010	.0002	.0021	.0005	.0006	.0011	.17	.16
%RSD	.3918	.3143	.7087	177.8	.1176	1.935	229.5	.5215	.3251
#1	.0760	.3108	.0234	-.0027	.4073	.0293	-.0003	31.98	48.74
#2	.0764	.3122	.0231	.0003	.4079	.0285	.0013	32.22	48.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**61.54**	**24.54**	**13.13**	**163.3**	**.0510**	**-.0039**	**-.0096**	**52.64**	**.0112**
Stddev	.40	.05	.11	1.1	.0009	.0004	.0010	.17	.0006
%RSD	.6525	.2190	.8577	.6852	1.785	9.404	10.60	.3141	5.321
#1	61.25	24.50	13.05	162.5	.0516	-.0042	-.0103	52.52	.0108
#2	61.82	24.58	13.20	164.1	.0503	-.0036	-.0089	52.75	.0116

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2577**	**1.477**	**-.0660**	**-.0057**	**2.135**	**-.0026**	**.0568**
Stddev	.0019	.004	.0017	.0002	.003	.0006	.0013
%RSD	.7341	.3046	2.554	2.699	.1612	23.37	2.248
#1	.2563	1.474	-.0672	-.0058	2.137	-.0030	.0577
#2	.2590	1.480	-.0648	-.0055	2.132	-.0022	.0559

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102050.**	**13199.**	**2138.5**	**6417.8**
Stddev	41.	37.	3.8	8.0
%RSD	.03980	.27947	.17738	.12407
#1	102080.	13225.	2141.2	6423.4
#2	102020.	13173.	2135.9	6412.2

Zoom In Zoom Out

Sample Name: jb68473-1 Acquired: 6/12/2014 14:07:34 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.049**	**.0009**	**.0019**	**.0049**	**.0072**	**.0109**	**.0383**	**.0050**	**.0019**
Stddev	.038	.0002	.0000	.0002	.0004	.0000	.0008	.0011	.0001
%RSD	3.615	20.80	.1525	3.142	5.260	.3860	2.158	22.56	5.583
#1	1.022	.0008	.0018	.0050	.0069	.0109	.0378	.0058	.0019
#2	1.076	.0011	.0019	.0047	.0074	.0109	.0389	.0042	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0040**	**-.0012**	**.0090**	**.0068**	**.0275**	**-.0005**	**.4015**	**1734.**
Stddev	.0003	.0001	.0032	.0051	.0002	.0053	.0007	.0018	17.
%RSD	55.11	3.121	267.2	56.68	3.488	19.09	138.4	.4376	.9864
#1	.0008	-.0041	.0011	.0125	.0066	.0312	.0000	.4027	1721.
#2	.0004	-.0039	-.0034	.0054	.0070	.0238	-.0010	.4002	1746.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0080**	**9.609**	**67.47**	**66.33**	**.0117**	**.0080**	**-.0508**	**.8019**	**.0080**
Stddev	.0013	.290	2.19	2.18	.0003	.0008	.0007	.0290	.0024
%RSD	16.78	3.022	3.244	3.284	2.913	9.647	1.465	3.621	30.32
#1	.0090	9.403	65.92	64.79	.0115	.0075	-.0503	.7814	.0063
#2	.0071	9.814	69.01	67.87	.0120	.0085	-.0514	.8224	.0097

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.536**	**.0090**	**-.1019**	**-.0004**	**19.34**	**.0045**	**.0304**
Stddev	.092	.0008	.0031	.0003	.63	.0012	.0016
%RSD	3.647	9.375	3.003	77.99	3.269	26.50	5.346
#1	2.470	.0084	-.1041	-.0006	18.90	.0053	.0293
#2	2.601	.0096	-.0998	-.0002	19.79	.0036	.0316

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93700.**	**12619.**	**1922.1**	**5694.2**
Stddev	129.	121.	5.4	13.2
%RSD	.13735	.95937	.27955	.23188
#1	93791.	12533.	1925.9	5703.6
#2	93609.	12704.	1918.3	5684.9

Zoom In Zoom Out

Sample Name: jb68710-1 Acquired: 6/12/2014 14:13:52 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0566**	**.0000**	**.0002**	**.0018**	**.0001**	**.0006**	**.0245**	**.0021**	**.0002**
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0003	.0000	.0001
%RSD	.0590	127.5	67.32	2.977	28.04	17.96	1.118	1.621	60.12
#1	.0567	.0000	.0001	.0018	.0001	.0005	.0247	.0021	.0001
#2	.0566	.0000	.0003	.0018	.0001	.0007	.0244	.0021	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0060**	**-.0003**	**.0015**	**.0016**	**.0033**	**-.0005**	**.1995**	**1.181**
Stddev	.0002	.0000	.0005	.0019	.0004	.0014	.0010	.0082	.003
%RSD	239.0	.2229	176.8	124.9	23.25	44.19	198.6	4.098	.2690
#1	.0001	.0060	.0001	.0028	.0014	.0022	.0002	.1938	1.178
#2	-.0002	.0060	-.0006	.0002	.0019	.0043	-.0012	.2053	1.183

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5527**	**1.920**	**1.118**	**9.367**	**.0118**	**-.0021**	**-.0001**	**4.037**	**.0002**
Stddev	.0033	.000	.025	.018	.0003	.0002	.0005	.003	.0001
%RSD	.5953	.0050	2.258	.1918	2.460	7.929	534.0	.0675	39.04
#1	.5504	1.920	1.100	9.354	.0116	-.0019	-.0005	4.039	.0003
#2	.5550	1.920	1.135	9.380	.0120	-.0022	.0003	4.035	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0156**	**-.0003**	**-.0367**	**-.0018**	**1.500**	**.0011**	**.0004**
Stddev	.0001	.0000	.0005	.0000	.002	.0004	.0001
%RSD	.8477	8.825	1.339	1.704	.1382	32.09	16.56
#1	.0157	-.0003	-.0371	-.0018	1.498	.0009	.0003
#2	.0155	-.0003	-.0364	-.0019	1.501	.0014	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106770.**	**13336.**	**2191.9**	**7041.2**
Stddev	775.	53.	1.0	2.7
%RSD	.72586	.39427	.04354	.03869
#1	106220.	13299.	2191.2	7039.3
#2	107320.	13373.	2192.5	7043.1

Zoom In Zoom Out

Sample Name: jb68710-2 Acquired: 6/12/2014 14:20:04 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0548**	**.0000**	**.0001**	**.0018**	**.0002**	**.0010**	**.0270**	**.0023**	**.0003**
Stddev	.0003	.000	.0002	.0002	.0001	.0004	.0003	.0001	.0000
%RSD	.5285	8592.	337.2	11.12	31.82	40.50	.9770	4.734	4.065
#1	.0550	.0000	.0002	.0019	.0002	.0007	.0268	.0023	.0003
#2	.0546	.0000	-.0001	.0016	.0001	.0013	.0272	.0024	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0031**	**-.0001**	**.0002**	**.0002**	**.0039**	**-.0006**	**.1931**	**1.128**
Stddev	.0004	.0001	.0003	.0001	.0001	.0014	.0003	.0007	.003
%RSD	556.3	2.363	320.4	44.52	83.29	36.69	51.05	.3856	.2973
#1	-.0002	.0031	.0001	.0001	.0003	.0049	-.0009	.1936	1.130
#2	.0004	.0032	-.0003	.0002	.0001	.0029	-.0004	.1925	1.125

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5570**	**1.883**	**1.130**	**66.34**	**.0118**	**-.0022**	**-.0004**	**3.991**	**-.0005**
Stddev	.0005	.039	.001	.19	.0001	.0000	.0012	.006	.0006
%RSD	.0832	2.083	.0832	.2793	1.118	.2733	345.8	.1542	107.1
#1	.5573	1.911	1.131	66.47	.0117	-.0022	-.0012	3.987	-.0001
#2	.5566	1.855	1.130	66.21	.0119	-.0021	.0005	3.995	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0153**	**-.0002**	**-.0369**	**-.0019**	**1.526**	**.0010**	**.0009**
Stddev	.0001	.0001	.0003	.0000	.001	.0008	.0001
%RSD	.4846	56.34	.9042	1.719	.0822	80.95	15.52
#1	.0153	-.0001	-.0366	-.0019	1.525	.0004	.0008
#2	.0152	-.0003	-.0371	-.0019	1.527	.0015	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104130.**	**13393.**	**2169.1**	**6708.6**
Stddev	736.	57.	5.3	17.1
%RSD	.70666	.42471	.24251	.25489
#1	104650.	13353.	2172.8	6720.7
#2	103610.	13433.	2165.4	6696.5

Zoom In Zoom Out

Sample Name: jb68710-3 Acquired: 6/12/2014 14:26:17 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0545**	**.0000**	**.0001**	**.0021**	**.0001**	**.0009**	**2.122**	**.0022**	**.0000**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.011	.0002	.0001
%RSD	.1450	55.59	126.3	1.745	72.48	9.553	.4945	7.567	657.1
#1	.0546	.0000	.0000	.0020	.0002	.0010	2.115	.0021	.0001
#2	.0545	.0000	.0002	.0021	.0001	.0008	2.130	.0023	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0031**	**.0000**	**-.0006**	**.0002**	**.0040**	**-.0011**	**.2072**	**1.124**
Stddev	.0001	.0000	.000	.0005	.0005	.0002	.0011	.0032	.010
%RSD	8.019	1.481	336.9	84.37	246.9	5.150	103.6	1.537	.8743
#1	-.0008	.0031	.0001	-.0009	.0006	.0038	-.0003	.2095	1.131
#2	-.0007	.0032	-.0002	-.0002	-.0002	.0041	-.0019	.2049	1.117

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6647**	**1.878**	**2.633**	**66.19**	**.0116**	**-.0023**	**.0000**	**4.036**	**-.0017**
Stddev	.0000	.007	.016	.05	.0006	.0000	.0011	.002	.0004
%RSD	.0047	.3644	.6103	.0741	5.568	.8251	6625.	.0383	23.80
#1	.6647	1.883	2.622	66.22	.0112	-.0023	.0008	4.035	-.0014
#2	.6647	1.873	2.645	66.15	.0121	-.0024	-.0007	4.037	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0154**	**-.0001**	**-.0370**	**-.0021**	**1.607**	**.0004**	**.0005**
Stddev	.0000	.0001	.0001	.0001	.009	.0001	.0002
%RSD	.0921	110.4	.1927	4.631	.5434	17.69	40.12
#1	.0154	.0000	-.0370	-.0022	1.601	.0005	.0006
#2	.0154	-.0002	-.0371	-.0020	1.614	.0004	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103910.**	**13239.**	**2145.9**	**6655.3**
Stddev	432.	65.	6.1	11.9
%RSD	.41544	.49037	.28510	.17884
#1	104210.	13193.	2150.2	6663.7
#2	103600.	13284.	2141.5	6646.9

Zoom In Zoom Out

Sample Name: jb68710-4 Acquired: 6/12/2014 14:32:30 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0426**	**.0000**	**.0002**	**.0007**	**-.0004**	**.0014**	**1.819**	**.0011**	**.0001**
Stddev	.0003	.000	.0002	.0001	.0002	.0000	.001	.0002	.0001
%RSD	.6885	164.3	98.56	18.26	62.79	.3052	.0389	14.41	191.3
#1	.0424	-.0001	.0001	.0006	-.0006	.0014	1.819	.0009	.0002
#2	.0428	.0000	.0003	.0008	-.0002	.0014	1.820	.0012	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0006**	**.0221**	**.0001**	**.0005**	**.0013**	**.0041**	**-.0013**	**.0645**	**1.253**
Stddev	.0001	.0001	.0003	.0012	.0015	.0006	.0007	.0048	.005
%RSD	22.09	.5262	312.8	236.8	116.1	15.23	50.78	7.430	.3693
#1	-.0005	.0222	-.0001	.0014	.0024	.0046	-.0008	.0679	1.249
#2	-.0007	.0220	.0003	-.0004	.0002	.0037	-.0018	.0612	1.256

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2196**	**1.909**	**2.646**	**66.78**	**.0118**	**-.0021**	**-.0009**	**4.022**	**-.0015**
Stddev	.0031	.023	.025	.08	.0006	.0001	.0003	.032	.0005
%RSD	1.418	1.183	.9571	.1171	4.757	3.910	39.75	.7844	35.80
#1	.2218	1.893	2.628	66.84	.0114	-.0022	-.0006	4.000	-.0011
#2	.2174	1.925	2.664	66.73	.0122	-.0020	-.0011	4.044	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0150**	**-.0005**	**-.0380**	**-.0009**	**13.62**	**.0000**	**.0012**
Stddev	.0000	.0001	.0003	.0000	.06	.000	.0009
%RSD	.2422	16.36	.8447	1.465	.4754	779.9	76.12
#1	.0150	-.0005	-.0382	-.0009	13.58	.0001	.0005
#2	.0151	-.0006	-.0378	-.0009	13.67	-.0002	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104150.**	**13330.**	**2125.2**	**6622.3**
Stddev	30.	51.	13.4	47.4
%RSD	.02867	.38374	.63100	.71610
#1	104130.	13367.	2134.7	6655.9
#2	104170.	13294.	2115.7	6588.8

Zoom In Zoom Out

Sample Name: jb68710-5 Acquired: 6/12/2014 14:38:43 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0090**	**-.0001**	**.0001**	**-.0003**	**.0003**	**.0014**	**.0966**	**.0003**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0003	.0000	.0001	.0001	.0002
%RSD	.9386	64.74	120.2	36.72	86.81	2.510	.0623	18.87	82.46
#1	.0089	-.0001	.0000	-.0004	.0001	.0013	.0966	.0003	.0001
#2	.0090	.0000	.0001	-.0002	.0005	.0014	.0965	.0003	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0000**	**-.0003**	**.0003**	**.0004**	**.0040**	**-.0011**	**-.0104**	**1.023**
Stddev	.0000	.0001	.0003	.0001	.0005	.0008	.0006	.0084	.003
%RSD	3934.	769.8	91.35	15.04	127.5	19.08	58.09	80.50	.2746
#1	.0000	.0001	-.0001	.0004	.0008	.0035	-.0006	-.0045	1.021
#2	.0000	-.0001	-.0005	.0003	.0000	.0046	-.0015	-.0164	1.025

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**1.838**	**2.624**	**66.66**	**.0122**	**-.0022**	**.0000**	**3.923**	**-.0006**
Stddev	.0017	.004	.011	.19	.0000	.0000	.0009	.005	.0000
%RSD	40.49	.2409	.4058	.2824	.2267	2.040	2288.	.1230	6.385
#1	.0053	1.835	2.617	66.53	.0121	-.0022	-.0006	3.919	-.0006
#2	.0030	1.841	2.632	66.80	.0122	-.0022	.0007	3.926	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0112**	**.0000**	**-.0379**	**-.0007**	**13.90**	**.0007**	**.0006**
Stddev	.0001	.000	.0007	.0001	.02	.0003	.0009
%RSD	.9930	609.0	1.921	9.205	.1154	44.90	152.0
#1	.0111	.0001	-.0384	-.0007	13.91	.0010	.0000
#2	.0112	-.0002	-.0374	-.0006	13.89	.0005	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104070.**	**13110.**	**2144.4**	**6682.1**
Stddev	99.	19.	4.4	20.1
%RSD	.09468	.14460	.20751	.30142
#1	104140.	13097.	2147.6	6696.3
#2	104000.	13123.	2141.3	6667.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 14:44:59 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.010**	**1.984**	**1.984**	**2.011**	**1.891**	**2.028**	**2.025**	**.2456**
Stddev	.003	.003	.002	.003	.007	.004	.006	.003	.0002
%RSD	.1279	.1588	.0749	.1350	.3530	.1959	.3211	.1283	.0856
#1	1.974	2.013	1.983	1.982	2.006	1.894	2.024	2.023	.2458
#2	1.971	2.008	1.985	1.986	2.016	1.888	2.033	2.026	.2455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.956**	**2.043**	**1.984**	**2.063**	**2.035**	**1.982**	**1.959**	**39.19**	**41.09**
Stddev	.004	.001	.002	.000	.006	.003	.001	.01	.01
%RSD	.2063	.0257	.1219	.0154	.2838	.1560	.0621	.0179	.0280
#1	1.953	2.042	1.982	2.062	2.031	1.979	1.960	39.19	41.10
#2	1.959	2.043	1.985	2.063	2.039	1.984	1.959	39.18	41.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.10**	**41.58**	**39.72**	**40.01**	**1.984**	**1.990**	**1.920**	**4.952**	**2.056**
Stddev	.04	.00	.05	.04	.001	.005	.004	.009	.000
%RSD	.0894	.0105	.1172	.0959	.0268	.2568	.1871	.1868	.0029
#1	41.12	41.57	39.75	40.04	1.984	1.986	1.923	4.946	2.056
#2	41.07	41.58	39.68	39.98	1.983	1.993	1.918	4.959	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 14:44:59 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**1.980**	F **1.795**	**2.037**	**1.953**	**1.995**	**1.985**
Stddev	.002	.004	.037	.002	.004	.002	.002
%RSD	.1026	.2065	2.084	.1199	.1915	.1076	.1139
#1	2.009	1.977	1.769	2.035	1.950	1.993	1.986
#2	2.007	1.983	1.822	2.039	1.955	1.996	1.983
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**102580.**	**12944.**	**2103.0**	**6399.1**
Stddev	286.	11.	.8	.1
%RSD	.27882	.08310	.03955	.00162
#1	102780.	12936.	2102.5	6399.1
#2	102370.	12952.	2103.6	6399.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 14:57:04 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0002**	**.0000**	**.0002**	**-.0005**	**.0000**	**.0000**
Stddev	.0001	.000	.0001	.000	.0002	.0000	.000	.000
%RSD	61.86	375.7	50.24	106.1	141.6	4.217	465.2	780.7
#1	.0002	.0000	.0001	.0000	.0004	-.0005	.0000	-.0002
#2	.0001	-.0001	.0002	.0000	.0000	-.0005	.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0000**	**-.0005**	**.0001**	**.0005**	**.0014**	**-.0004**
Stddev	.0000	.0002	.000	.0004	.0005	.0007	.0008	.0007
%RSD	22.89	650.8	9219.	77.14	357.0	127.7	55.08	181.3
#1	-.0002	.0002	.0000	-.0008	.0005	.0001	.0019	-.0009
#2	-.0002	-.0001	.0000	-.0002	-.0002	.0010	.0008	.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	**.0026**	**-.0064**	**-.0017**	**-.0312**	**.0120**	**.0027**	**.0004**	**-.0006**
Stddev	.0026	.0022	.0018	.0150	.0418	.0014	.0004	.0001
%RSD	99.29	34.62	107.2	47.93	348.3	52.23	90.93	14.02
#1	.0044	-.0049	-.0030	-.0206	-.0175	.0037	.0007	-.0007
#2	.0008	-.0080	-.0004	-.0418	.0415	.0017	.0001	-.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: 6/12/2014 14:57:04 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0038**	**-.0004**	**-.0001**	**-.0002**	F **-.0126**	**-.0002**	**-.0019**
Stddev	.0002	.0008	.0005	.0000	.0002	.0009	.0001	.0008
%RSD	55.01	20.61	128.1	50.22	102.6	7.045	23.10	40.91
#1	-.0002	.0032	.0000	-.0001	-.0003	-.0120	-.0002	-.0013
#2	-.0005	.0043	-.0008	-.0001	.0000	-.0132	-.0003	-.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	**.0001**	**.0002**
Stddev	.0002	.0010
%RSD	183.6	545.0
#1	.0003	-.0005
#2	.0000	.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105940.**	**12937.**	**2191.4**	**7049.1**
Stddev	89.	3.	3.3	6.3
%RSD	.08390	.02067	.14885	.08881
#1	106010.	12939.	2193.7	7053.5
#2	105880.	12935.	2189.1	7044.7

Zoom In Zoom Out

Sample Name: jb68710-6 Acquired: 6/12/2014 15:03:23 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0088**	**.0002**	**-.0001**	**-.0002**	**.0004**	**.0032**	**.0300**	**.0006**	**.0000**
Stddev	.0000	.0000	.0003	.0001	.0002	.0001	.0000	.0003	.000
%RSD	.0542	12.81	386.1	66.56	42.89	4.222	.0622	48.10	321.4
#1	.0088	.0002	.0001	-.0002	.0005	.0031	.0301	.0004	.0000
#2	.0088	.0002	-.0003	-.0001	.0003	.0033	.0300	.0008	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0048**	**.0001**	**.0012**	**.0009**	**.0027**	**-.0010**	**.0000**	**.9812**
Stddev	.0001	.0001	.0002	.0010	.0006	.0003	.0000	.0026	.0023
%RSD	57.26	2.922	276.0	84.09	67.50	12.16	4.873	10580.	.2347
#1	.0003	.0047	.0002	.0005	.0005	.0025	-.0010	-.0018	.9828
#2	.0001	.0049	-.0001	.0019	.0013	.0030	-.0009	.0019	.9796

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0101**	**1.769**	**2.581**	**66.18**	**.0119**	**-.0015**	**-.0002**	**3.861**	**-.0001**
Stddev	.0017	.040	.023	.34	.0003	.0001	.0000	.015	.0001
%RSD	16.50	2.251	.8775	.5089	2.817	4.412	23.16	.3964	71.69
#1	.0089	1.741	2.565	65.94	.0121	-.0014	-.0001	3.872	-.0002
#2	.0113	1.797	2.597	66.41	.0116	-.0015	-.0002	3.850	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0110**	**-.0001**	**-.0274**	**-.0003**	**13.50**	**.0009**	**.0010**
Stddev	.0000	.0001	.0005	.0000	.09	.0001	.0008
%RSD	.1626	83.91	1.867	1.097	.6484	15.65	80.52
#1	.0110	-.0001	-.0270	-.0003	13.56	.0010	.0016
#2	.0110	.0000	-.0278	-.0003	13.44	.0008	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103140.**	**13224.**	**2154.1**	**6695.8**
Stddev	104.	79.	5.2	21.9
%RSD	.10035	.59868	.23937	.32699
#1	103070.	13280.	2150.5	6680.3
#2	103220.	13168.	2157.8	6711.3

Zoom In Zoom Out

Sample Name: jb68710-7 Acquired: 6/12/2014 15:09:37 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0088**	**.0001**	**.0001**	**.0001**	**.0004**	**.0021**	**.0309**	**.0005**	**.0002**
Stddev	.0002	.0001	.0002	.0002	.0000	.0002	.0001	.0002	.0003
%RSD	2.756	93.26	209.8	152.3	8.956	11.50	.1845	32.34	129.4
#1	.0090	.0001	.0002	.0002	.0004	.0019	.0308	.0006	.0004
#2	.0086	.0000	.0000	.0000	.0004	.0022	.0309	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0006**	**-.0001**	**-.0003**	**.0007**	**.0022**	**.0004**	**.0017**	**1.001**
Stddev	.0001	.0001	.0000	.0015	.0003	.0005	.0007	.0022	.004
%RSD	91.19	14.84	22.04	553.4	49.14	23.80	180.9	127.5	.4050
#1	.0002	.0007	-.0001	-.0013	.0009	.0018	.0009	.0032	.9984
#2	.0000	.0006	-.0002	.0008	.0004	.0026	-.0001	.0002	1.004

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0090**	**1.798**	**2.624**	**67.03**	**.0122**	**-.0018**	**-.0010**	**3.886**	**-.0006**
Stddev	.0022	.001	.003	.16	.0006	.0003	.0010	.009	.0008
%RSD	24.71	.0458	.1058	.2385	5.306	16.16	98.91	.2186	133.5
#1	.0106	1.797	2.622	67.14	.0127	-.0020	-.0003	3.892	.0000
#2	.0074	1.798	2.626	66.91	.0118	-.0016	-.0017	3.880	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0111**	**-.0002**	**-.0303**	**.0019**	**37.18**	**.0007**	**.0010**
Stddev	.0001	.0001	.0003	.0001	.10	.0009	.0002
%RSD	.4992	21.93	.8858	6.376	.2626	119.6	23.80
#1	.0111	-.0002	-.0301	.0018	37.25	.0013	.0008
#2	.0111	-.0003	-.0305	.0020	37.11	.0001	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103510.**	**13100.**	**2153.4**	**6696.4**
Stddev	214.	60.	1.3	9.4
%RSD	.20626	.45699	.06168	.14099
#1	103660.	13142.	2154.3	6703.1
#2	103360.	13057.	2152.4	6689.7

Zoom In Zoom Out

Sample Name: jb68710-8 Acquired: 6/12/2014 15:15:51 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0090**	**-.0001**	**.0000**	**-.0001**	**.0004**	**.0021**	**.0308**	**.0006**	**.0002**
Stddev	.0001	.0000	.0001	.0003	.0002	.0001	.0000	.0001	.0002
%RSD	.5966	29.88	131.0	269.9	43.42	5.809	.0116	8.951	78.00
#1	.0089	-.0001	.0001	.0001	.0003	.0022	.0306	.0006	.0001
#2	.0090	.0000	.0000	-.0003	.0005	.0021	.0306	.0005	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0012**	**.0004**	**.0002**	**.0014**	**.0027**	**.0002**	**-.0027**	**.9960**
Stddev	.0002	.0001	.0004	.0004	.0007	.0009	.0000	.0001	.0055
%RSD	166.7	5.269	78.82	170.1	47.65	34.14	18.56	5.428	.5571
#1	.0003	-.0012	.0002	.0000	.0009	.0021	.0002	-.0028	.9921
#2	.0000	-.0012	.0007	.0005	.0019	.0034	.0002	-.0026	1.0000

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0032**	**1.828**	**2.634**	**67.65**	**.0127**	**-.0018**	**-.0003**	**3.965**	**-.0011**
Stddev	.0022	.007	.037	.09	.0001	.0001	.0001	.001	.0004
%RSD	66.60	.3660	1.425	.1342	1.015	2.862	18.95	.0339	31.46
#1	.0048	1.824	2.607	67.59	.0128	-.0018	-.0004	3.966	-.0014
#2	.0017	1.833	2.660	67.72	.0126	-.0019	-.0003	3.964	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0112**	**-.0002**	**-.0324**	**.0020**	**39.04**	**.0011**	**.0014**
Stddev	.0001	.0003	.0015	.0001	.09	.0001	.0015
%RSD	.7258	113.0	4.698	3.450	.2260	10.13	113.8
#1	.0113	-.0004	-.0313	.0019	38.98	.0011	.0003
#2	.0111	.0000	-.0335	.0020	39.10	.0012	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104290.**	**13215.**	**2141.3**	**6677.2**
Stddev	3.	33.	2.2	3.3
%RSD	.00287	.24754	.10144	.05007
#1	104290.	13238.	2142.8	6679.5
#2	104290.	13191.	2139.8	6674.8

Zoom In Zoom Out

Sample Name: mp79968-mb1conf Acquired: 6/12/2014 15:22:04 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**.0000**	**-.0001**	**-.0004**	**.0000**	**.0000**	**.0000**
Stddev	.0002	.0001	.0000	.000	.0002	.0002	.000	.0002	.0001
%RSD	152.2	68.62	72.74	85.96	267.6	48.58	67.97	1514.	703.1
#1	.0000	.0000	.0000	-.0001	.0001	-.0006	.0000	-.0001	.0001
#2	.0003	-.0001	.0001	.0000	-.0002	-.0003	-.0001	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0000**	**-.0009**	**.0004**	**.0001**	**.0021**	**.0008**	**-.0049**	**-.0019**
Stddev	.0001	.0000	.0005	.0006	.0001	.0002	.0010	.0007	.0025
%RSD	80.21	130.3	58.71	170.6	72.85	7.745	128.5	14.13	130.2
#1	.0003	.0000	-.0013	-.0001	.0002	.0022	.0001	-.0044	-.0002
#2	.0001	.0001	-.0005	.0008	.0001	.0020	.0014	-.0053	-.0037

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0005**	**-.0093**	**.0153**	**.0073**	**-.0006**	**-.0018**	**-.0003**	**.0053**	**-.0007**
Stddev	.0001	.0094	.0513	.0016	.0003	.0000	.0009	.0009	.0000
%RSD	22.47	100.7	334.4	22.48	56.90	2.596	293.6	17.46	5.369
#1	.0004	-.0160	.0516	.0062	-.0009	-.0017	.0003	.0047	-.0008
#2	.0006	-.0027	-.0209	.0085	-.0004	-.0018	-.0010	.0060	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0298**	**-.0011**	**.0009**	**.0000**	**-.0003**
Stddev	.0000	.0000	.0000	.0001	.0038	.001	.0011
%RSD	20.91	53.17	.1589	5.346	413.0	2595.	339.3
#1	-.0002	-.0001	-.0297	-.0011	-.0018	-.0006	-.0011
#2	-.0001	.0000	-.0298	-.0010	.0036	.0006	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106040.**	**12996.**	**2184.1**	**7055.6**
Stddev	119.	98.	1.0	8.5
%RSD	.11261	.75621	.04612	.12030
#1	105950.	12926.	2183.3	7049.6
#2	106120.	13065.	2184.8	7061.6

Zoom In Zoom Out

Sample Name: jb68703-1 1 Acquired: 6/12/2014 15:28:19 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0846**	**-.0001**	**.0001**	**-.0003**	**.0002**	**.0004**	**.2237**	**.0068**	**-.0002**
Stddev	.0005	.0001	.0001	.0000	.0007	.0002	.0002	.0003	.0001
%RSD	.5952	86.66	102.8	12.05	435.0	54.30	.0803	3.693	69.28
#1	.0842	.0000	.0002	-.0003	.0007	.0005	.2235	.0070	-.0003
#2	.0849	-.0001	.0000	-.0003	-.0003	.0002	.2238	.0066	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.1072**	**.0000**	**.0026**	**.0017**	**.0053**	**-.0007**	**-.0033**	**20.94**
Stddev	.0002	.0001	.0004	.0020	.0006	.0023	.0001	.0061	.01
%RSD	459.1	.1329	3611.	78.41	37.97	43.31	19.54	185.1	.0462
#1	-.0001	.1073	.0003	.0041	.0021	.0070	-.0008	.0010	20.94
#2	.0002	.1071	-.0002	.0012	.0012	.0037	-.0006	-.0077	20.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0108**	**5.113**	**1.146**	**15.56**	**.0109**	**-.0016**	**-.0005**	**3.350**	**.0021**
Stddev	.0003	.015	.010	.02	.0000	.0002	.0000	.008	.0010
%RSD	2.377	.2939	.8937	.1430	.1621	11.90	.8606	.2369	46.06
#1	.0106	5.123	1.154	15.54	.0109	-.0014	-.0005	3.345	.0028
#2	.0110	5.102	1.139	15.57	.0109	-.0017	-.0006	3.356	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0688**	**-.0001**	**-.0360**	**-.0016**	**3.142**	**.0015**	**.0019**
Stddev	.0001	.0002	.0007	.0001	.024	.0004	.0004
%RSD	.0789	172.4	1.993	8.484	.7710	25.01	23.45
#1	.0688	.0000	-.0355	-.0017	3.125	.0012	.0016
#2	.0687	-.0002	-.0366	-.0015	3.159	.0018	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104840.**	**13174.**	**2155.1**	**6845.6**
Stddev	130.	41.	5.0	2.4
%RSD	.12420	.31232	.23335	.03480
#1	104930.	13145.	2158.6	6847.3
#2	104750.	13203.	2151.5	6843.9

Zoom In Zoom Out

Sample Name: jb68703-2 Acquired: 6/12/2014 15:34:30 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0813**	**.0001**	**.0005**	**.0024**	**.0008**	**.0258**	**.4652**	**.0130**	**.0001**
Stddev	.0000	.0000	.0001	.0000	.0003	.0002	.0016	.0002	.0000
%RSD	.0232	17.04	15.67	1.338	38.12	.6920	.3374	1.548	16.21
#1	.0813	.0001	.0006	.0024	.0010	.0256	.4664	.0131	.0001
#2	.0813	.0002	.0005	.0024	.0006	.0259	.4641	.0129	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.2916**	**.0004**	**.0020**	**.0034**	**.0049**	**-.0008**	**.0910**	**18.97**
Stddev	.0002	.0007	.0004	.0014	.0012	.0015	.0006	.0056	.02
%RSD	164.9	.2273	95.70	70.28	35.30	30.81	79.83	6.175	.1094
#1	-.0003	.2921	.0007	.0010	.0042	.0060	-.0003	.0871	18.96
#2	.0000	.2911	.0001	.0030	.0025	.0039	-.0012	.0950	18.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.122**	**4.524**	**1.193**	**36.88**	**.0118**	**-.0019**	**-.0012**	**3.555**	**.0021**
Stddev	.004	.023	.016	.14	.0001	.0001	.0003	.002	.0006
%RSD	.1163	.5039	1.354	.3862	.4248	2.903	24.24	.0527	26.53
#1	3.119	4.540	1.181	36.98	.0118	-.0019	-.0010	3.554	.0025
#2	3.124	4.507	1.204	36.78	.0118	-.0019	-.0014	3.557	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0628**	**.0001**	**-.0366**	**-.0015**	**3.497**	**.0008**	**.0022**
Stddev	.0002	.0000	.0006	.0001	.005	.0008	.0011
%RSD	.2390	51.71	1.558	4.531	.1420	109.5	50.68
#1	.0629	.0001	-.0362	-.0015	3.494	.0002	.0030
#2	.0627	.0000	-.0370	-.0016	3.501	.0014	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105370.**	**13256.**	**2143.3**	**6706.3**
Stddev	67.	10.	.9	14.4
%RSD	.06325	.07845	.04105	.21413
#1	105320.	13264.	2142.6	6696.1
#2	105410.	13249.	2143.9	6716.4

Zoom In Zoom Out

Sample Name: jb68703-3 Acquired: 6/12/2014 15:40:41 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0800**	**.0000**	**.0006**	**.0022**	**.0005**	**.0151**	**.4570**	**.0123**	**.0002**
Stddev	.0003	.0001	.0001	.0002	.0004	.0001	.0012	.0003	.0005
%RSD	.4067	125.3	22.23	9.648	76.34	.4163	.2549	2.343	256.3
#1	.0798	.0000	.0005	.0023	.0002	.0151	.4562	.0125	-.0002
#2	.0803	.0001	.0006	.0020	.0008	.0150	.4579	.0121	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.2819**	**.0002**	**.0030**	**.0022**	**.0052**	**-.0005**	**.0333**	**18.57**
Stddev	.0001	.0001	.0001	.0007	.0009	.0008	.0002	.0103	.08
%RSD	1236.	.0238	24.02	23.20	39.88	14.82	46.18	30.79	.4550
#1	.0000	.2818	.0003	.0034	.0028	.0058	-.0003	.0406	18.63
#2	.0000	.2819	.0002	.0025	.0016	.0047	-.0006	.0261	18.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.050**	**4.520**	**1.129**	**14.74**	**.0105**	**-.0017**	**-.0014**	**3.379**	**.0014**
Stddev	.001	.034	.048	.06	.0001	.0001	.0006	.004	.0001
%RSD	.1325	.7454	4.216	.4112	.5811	7.079	40.05	.1231	6.123
#1	1.051	4.543	1.095	14.70	.0104	-.0016	-.0018	3.382	.0015
#2	1.049	4.496	1.162	14.79	.0105	-.0017	-.0010	3.376	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0616**	**.0004**	**-.0363**	**-.0018**	**3.219**	**.0011**	**.0025**
Stddev	.0000	.0002	.0004	.0001	.006	.0005	.0003
%RSD	.0601	43.84	1.199	8.244	.1795	47.32	11.97
#1	.0616	.0005	-.0359	-.0017	3.223	.0014	.0027
#2	.0616	.0003	-.0366	-.0019	3.215	.0007	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104700.**	**13295.**	**2160.5**	**6840.3**
Stddev	268.	51.	1.5	6.3
%RSD	.25619	.38305	.06925	.09217
#1	104890.	13259.	2161.5	6844.7
#2	104510.	13331.	2159.4	6835.8

Zoom In Zoom Out

Sample Name: jb68703-4 Acquired: 6/12/2014 15:46:53 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2281**	**-.0001**	**.0012**	**.0248**	**.0000**	**.0912**	**3.294**	**.0472**	**.0002**
Stddev	.0004	.0000	.0002	.0002	.0000	.0001	.003	.0001	.0001
%RSD	.1701	12.27	12.30	.7644	78.65	.1072	.0965	.1397	59.61
#1	.2278	-.0001	.0011	.0250	.0000	.0912	3.292	.0472	.0001
#2	.2284	-.0001	.0014	.0247	.0001	.0913	3.297	.0472	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**1.567**	**.0018**	**-.0007**	**.0042**	**.0043**	**-.0010**	**.0029**	**22.75**
Stddev	.0000	.002	.0002	.0001	.0004	.0016	.0000	.0034	.01
%RSD	.7312	.1096	8.787	8.968	10.32	37.34	.5789	117.5	.0532
#1	-.0009	1.568	.0019	-.0006	.0045	.0032	-.0010	.0005	22.74
#2	-.0009	1.566	.0017	-.0007	.0039	.0055	-.0010	.0054	22.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**13.47**	**4.662**	**1.321**	**6.592**	**.0512**	**-.0025**	**-.0016**	**2.605**	**.0053**
Stddev	.01	.013	.009	.004	.0001	.0000	.0002	.001	.0001
%RSD	.0916	.2839	.6512	.0630	.1074	1.896	12.78	.0419	1.508
#1	13.48	4.652	1.327	6.589	.0511	-.0025	-.0015	2.606	.0053
#2	13.46	4.671	1.315	6.595	.0512	-.0024	-.0018	2.605	.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0567**	**-.0002**	**-.0328**	**-.0023**	**1.439**	**.0012**	**.0011**
Stddev	.0002	.0003	.0008	.0000	.005	.0002	.0002
%RSD	.4310	119.7	2.588	.8896	.3682	12.70	19.69
#1	.0566	.0000	-.0322	-.0023	1.435	.0011	.0010
#2	.0569	-.0004	-.0334	-.0023	1.443	.0013	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104970.**	**13157.**	**2160.8**	**6893.7**
Stddev	233.	8.	4.3	3.0
%RSD	.22154	.05734	.19695	.04341
#1	105130.	13152.	2163.8	6895.8
#2	104800.	13162.	2157.7	6891.6

Zoom In Zoom Out

Sample Name: jb68703-5 Acquired: 6/12/2014 15:53:04 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0597**	**.0001**	**.0004**	**-.0003**	**.0002**	**.0024**	**.0946**	**.0301**	**.0000**
Stddev	.0003	.0000	.0004	.0001	.0005	.0003	.0000	.0002	.0001
%RSD	.5853	40.01	98.00	18.97	256.7	12.76	.0365	.6364	403.0
#1	.0600	.0001	.0001	-.0003	.0005	.0026	.0947	.0299	-.0001
#2	.0595	.0001	.0007	-.0004	-.0002	.0022	.0946	.0302	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.1577**	**-.0006**	**.0025**	**.0060**	**.0030**	**-.0018**	**.0382**	**17.63**
Stddev	.000	.0001	.0004	.0025	.0008	.0011	.0008	.0030	.08
%RSD	415.4	.0833	69.62	96.72	13.62	36.26	44.47	7.880	.4329
#1	.0000	.1577	-.0008	.0008	.0065	.0022	-.0013	.0403	17.69
#2	.0000	.1578	-.0003	.0043	.0054	.0037	-.0024	.0360	17.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0128**	**4.359**	**1.041**	**11.71**	**.0048**	**-.0018**	**-.0013**	**3.562**	**.0009**
Stddev	.0044	.005	.009	.05	.0001	.0002	.0003	.008	.0004
%RSD	34.39	.1197	.8400	.4266	1.112	9.897	24.13	.2138	45.61
#1	.0159	4.363	1.047	11.75	.0049	-.0019	-.0015	3.557	.0012
#2	.0097	4.356	1.035	11.68	.0048	-.0017	-.0011	3.568	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0614**	**.0000**	**-.0377**	**-.0017**	**3.221**	**.0004**	**.0023**
Stddev	.0003	.000	.0004	.0000	.014	.0002	.0007
%RSD	.5092	335.6	1.116	1.402	.4345	49.39	28.14
#1	.0616	.0001	-.0380	-.0017	3.211	.0006	.0028
#2	.0612	-.0002	-.0374	-.0017	3.231	.0003	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105770.**	**13221.**	**2157.7**	**6881.3**
Stddev	299.	71.	7.0	8.8
%RSD	.28270	.53532	.32600	.12829
#1	105550.	13171.	2162.7	6887.6
#2	105980.	13271.	2152.8	6875.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 15:59:17 Type: QC
Method: Accutest1(v149) 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	**2.010**	**2.045**	**2.002**	**2.009**	**2.032**	**1.962**	**2.088**	**2.058**	**.2515**
Stddev	.001	.001	.002	.002	.000	.001	.004	.000	.0002
%RSD	.0488	.0535	.0761	.0972	.0153	.0510	.1743	.0133	.0882
#1	2.010	2.044	2.001	2.007	2.032	1.962	2.091	2.058	.2513
#2	2.009	2.045	2.003	2.010	2.033	1.961	2.086	2.057	.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	**2.034**	**2.070**	**2.001**	**2.044**	**2.078**	**2.004**	**1.998**	**40.31**	**41.15**
Stddev	.004	.005	.005	.003	.001	.001	.004	.03	.08
%RSD	.2139	.2286	.2391	.1384	.0548	.0629	.1730	.0774	.1847
#1	2.038	2.074	1.998	2.046	2.078	2.005	1.995	40.33	41.09
#2	2.031	2.067	2.005	2.042	2.079	2.004	2.000	40.29	41.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.27**	**41.88**	**40.57**	**41.25**	**2.005**	**2.017**	**1.969**	**5.039**	**2.062**
Stddev	.08	.08	.06	.09	.006	.004	.003	.006	.000
%RSD	.1928	.1979	.1381	.2211	.3041	.1794	.1644	.1206	.0168
#1	41.21	41.82	40.61	41.31	2.001	2.014	1.967	5.035	2.061
#2	41.32	41.94	40.53	41.18	2.009	2.019	1.971	5.044	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 15:59:17 Type: QC
Method: Accutest1(v149) 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	**2.020**	**2.030**	**1.830**	**2.073**	**1.960**	**2.024**	**2.020**
Stddev	.001	.001	.034	.000	.003	.002	.000
%RSD	.0368	.0648	1.840	.0107	.1402	.1156	.0051
#1	2.020	2.031	1.806	2.073	1.962	2.022	2.020
#2	2.021	2.029	1.854	2.073	1.958	2.025	2.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99542.**	**12739.**	**2076.0**	**6282.6**
Stddev	11.	13.	.6	1.7
%RSD	.01079	.10376	.02858	.02750
#1	99550.	12748.	2075.6	6283.8
#2	99534.	12730.	2076.5	6281.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 16:09:35 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0001**	**-.0002**	**.0003**	**-.0006**	**-.0001**	**.0001**	**-.0002**
Stddev	.0000	.0000	.0000	.0000	.0003	.0001	.0000	.0001	.0003
%RSD	3.405	25.88	32.45	6.703	106.8	10.67	9.524	53.97	147.8
#1	-.0001	-.0001	.0001	-.0002	.0001	-.0006	-.0001	.0002	-.0005
#2	-.0001	-.0001	.0000	-.0002	.0005	-.0007	-.0001	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0004**	**.0002**	**.0001**	**.0019**	**.0008**	**-.0038**	**-.0051**
Stddev	.0003	.0000	.0002	.0002	.0002	.0015	.0001	.0028	.0031
%RSD	382.0	.4242	55.65	91.92	191.6	82.36	18.44	75.62	60.70
#1	.0003	-.0001	-.0002	.0004	.0000	.0030	.0009	-.0058	-.0029
#2	-.0001	-.0001	-.0005	.0001	.0002	.0008	.0007	-.0018	-.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**-.0067**	**.0092**	**.0002**	**-.0004**	**-.0006**	**-.0008**	**.0008**	**-.0003**
Stddev	.0021	.0137	.0316	.0007	.0006	.0002	.0004	.0003	.0008
%RSD	113.2	205.7	342.5	434.0	129.1	30.20	44.91	36.86	230.5
#1	-.0004	.0030	.0316	-.0003	.0000	-.0005	-.0006	.0006	-.0009
#2	-.0034	-.0164	-.0131	.0006	-.0009	-.0008	-.0011	.0011	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 16:09:35 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0117**	**-.0002**	**-.0029**	**-.0001**	**.0006**
Stddev	.0001	.0002	.0012	.0001	.0017	.0002	.0006
%RSD	59.51	100.3	9.956	37.96	59.98	196.8	109.4
#1	-.0001	-.0003	-.0109	-.0003	-.0017	.0000	.0001
#2	-.0002	-.0001	-.0126	-.0002	-.0041	-.0002	.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	**105800.**	**12913.**	**2178.1**	**7025.7**
Stddev	11.	12.	3.6	.4
%RSD	.01075	.08966	.16494	.00532
#1	105800.	12905.	2180.7	7025.9
#2	105810.	12921.	2175.6	7025.4

Zoom In Zoom Out

Sample Name: jb68703-2f Acquired: 6/12/2014 16:20:34 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0789**	**.0002**	**.0006**	**.0021**	**.0007**	**.0061**	**.4437**	**.0126**	**.0001**
Stddev	.0002	.0000	.0001	.0000	.0001	.0001	.0017	.0001	.0002
%RSD	.2809	9.171	21.80	1.793	9.211	1.991	.3874	.9110	435.4
#1	.0787	.0003	.0005	.0021	.0007	.0062	.4425	.0127	-.0001
#2	.0790	.0002	.0007	.0021	.0006	.0060	.4449	.0126	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.2520**	**-.0001**	**.0030**	**.0010**	**.0046**	**.0001**	**.0087**	**18.62**
Stddev	.0004	.0013	.0006	.0010	.0009	.0001	.0003	.0022	.08
%RSD	181.8	.5111	858.0	33.83	93.65	1.226	268.6	25.21	.4530
#1	.0005	.2529	-.0005	.0038	.0003	.0046	.0003	.0072	18.68
#2	-.0001	.2511	.0004	.0023	.0016	.0046	-.0001	.0103	18.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1030**	**4.477**	**1.170**	**35.32**	**.0120**	**-.0012**	**-.0013**	**3.341**	**.0021**
Stddev	.0046	.039	.022	.10	.0002	.0001	.0005	.003	.0001
%RSD	4.436	.8634	1.912	.2706	1.852	8.779	37.67	.0784	4.584
#1	.0998	4.505	1.185	35.26	.0119	-.0013	-.0016	3.339	.0020
#2	.1062	4.450	1.154	35.39	.0122	-.0011	-.0009	3.342	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0620**	**.0002**	**-.0291**	**-.0013**	**3.424**	**.0012**	**.0028**
Stddev	.0001	.0001	.0006	.0001	.005	.0006	.0004
%RSD	.1218	28.89	1.896	9.421	.1474	54.35	13.64
#1	.0621	.0003	-.0295	-.0013	3.420	.0007	.0030
#2	.0620	.0002	-.0287	-.0014	3.427	.0016	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103950.**	**13162.**	**2148.7**	**6738.7**
Stddev	420.	85.	4.4	9.1
%RSD	.40358	.64418	.20609	.13556
#1	104250.	13102.	2151.8	6745.1
#2	103660.	13222.	2145.6	6732.2

Zoom In Zoom Out

Sample Name: jb68703-3f Acquired: 6/12/2014 16:26:46 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0793**	**.0001**	**.0005**	**.0022**	**.0006**	**.0107**	**.4549**	**.0125**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0001	.0000	.0011	.0002	.0002
%RSD	.1274	76.73	21.37	3.935	17.95	.1543	.2383	1.437	190.5
#1	.0792	.0001	.0004	.0022	.0005	.0107	.4556	.0127	.0002
#2	.0794	.0002	.0006	.0023	.0007	.0107	.4541	.0124	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.2714**	**.0003**	**.0002**	**.0015**	**.0049**	**-.0017**	**.0051**	**18.58**
Stddev	.0002	.0022	.0010	.0009	.0011	.0018	.0004	.0007	.01
%RSD	236.8	.8236	355.0	356.3	76.37	37.51	23.47	13.15	.0455
#1	-.0003	.2698	-.0004	.0009	.0007	.0062	-.0020	.0047	18.58
#2	.0001	.2730	.0010	-.0004	.0023	.0036	-.0014	.0056	18.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1791**	**4.544**	**1.151**	**14.83**	**.0111**	**-.0014**	**-.0004**	**3.340**	**.0018**
Stddev	.0021	.078	.016	.05	.0001	.0000	.0000	.041	.0005
%RSD	1.191	1.726	1.405	.3065	.7741	2.219	8.063	1.221	28.55
#1	.1806	4.600	1.140	14.80	.0111	-.0014	-.0004	3.311	.0021
#2	.1776	4.489	1.163	14.86	.0110	-.0014	-.0004	3.369	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0616**	**.0000**	**-.0323**	**-.0015**	**3.191**	**.0012**	**.0021**
Stddev	.0002	.000	.0005	.0001	.029	.0005	.0003
%RSD	.4023	983.5	1.417	4.609	.9182	47.10	16.09
#1	.0614	-.0002	-.0319	-.0015	3.171	.0008	.0024
#2	.0617	.0002	-.0326	-.0015	3.212	.0016	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104550.**	**13122.**	**2149.5**	**6841.2**
Stddev	105.	40.	21.6	64.4
%RSD	.10033	.30828	1.0048	.94160
#1	104470.	13093.	2164.8	6886.8
#2	104620.	13150.	2134.2	6795.7

Zoom In Zoom Out

Sample Name: jb68712-2 Acquired: 6/12/2014 16:32:58 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0333**	**.0008**	**-.0002**	**-.0014**	**1.325**	**.0033**	**1.659**	**.0084**	**.0002**
Stddev	.0005	.0002	.0004	.0000	.007	.0015	.002	.0006	.0009
%RSD	1.615	28.10	234.2	2.280	.5007	45.76	.1127	7.074	498.7
#1	.0337	.0009	.0001	-.0014	1.330	.0044	1.657	.0080	.0008
#2	.0329	.0006	-.0004	-.0014	1.321	.0022	1.660	.0089	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0047**	**-.0021**	**.0078**	**.0272**	**.0130**	**.0162**	**.0730**	**171.9**
Stddev	.0011	.0003	.0008	.0094	.0012	.0030	.0051	.0223	.2
%RSD	31.78	7.166	38.56	119.8	4.552	22.85	31.60	30.56	.1234
#1	.0042	.0045	-.0016	.0012	.0281	.0151	.0199	.0572	172.1
#2	.0026	.0050	-.0027	.0145	.0263	.0109	.0126	.0888	171.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.370**	**20.15**	**43.76**	**2257.**	**.2546**	**.0131**	**-.0038**	**5.926**	**.0088**
Stddev	.009	.09	.01	19.	.0029	.0004	.0007	.007	.0017
%RSD	.6676	.4688	.0331	.8464	1.133	2.954	17.80	.1152	18.80
#1	1.377	20.21	43.74	2271.	.2567	.0129	-.0033	5.921	.0077
#2	1.364	20.08	43.77	2244.	.2526	.0134	-.0043	5.931	.0100

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5934**	**.0011**	**-.1570**	**.0935**	**1021.**	**.0049**	**.0989**
Stddev	.0013	.0010	.0028	.0011	11.	.0010	.0027
%RSD	.2232	90.67	1.794	1.206	1.101	21.40	2.712
#1	.5943	.0017	-.1590	.0943	1029.	.0041	.0970
#2	.5924	.0004	-.1550	.0927	1013.	.0056	.1008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94640.**	**12830.**	**1989.1**	**5814.2**
Stddev	141.	46.	.1	6.6
%RSD	.14945	.35854	.00522	.11281
#1	94740.	12798.	1989.2	5809.6
#2	94540.	12863.	1989.0	5818.9

Zoom In Zoom Out

Sample Name: jb68712-2 Acquired: 6/12/2014 16:39:17 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0345**	**-.0003**	**.0013**	**-.0043**	**1.313**	**-.0004**	**1.665**	**.0047**	**.0026**
Stddev	.0013	.0004	.0010	.0027	.000	.0036	.001	.0002	.0008
%RSD	3.897	120.3	74.51	63.14	.0064	954.9	.0375	5.100	30.77
#1	.0354	-.0001	.0006	-.0062	1.313	-.0029	1.666	.0046	.0032
#2	.0335	-.0006	.0020	-.0024	1.313	.0021	1.665	.0049	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.0184**	**-.0005**	**.0118**	**.0306**	**.0297**	**.0180**	**.1209**	**167.7**
Stddev	.0005	.0036	.0068	.0027	.0038	.0284	.0047	.0571	.4
%RSD	15.76	19.57	1375.	22.57	12.37	95.68	26.01	47.22	.2419
#1	.0029	.0158	.0043	.0137	.0333	.0096	.0147	.1612	167.4
#2	.0036	.0209	-.0053	.0099	.0279	.0498	.0213	.0805	168.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.372**	**19.66**	**43.11**	**2338.**	**.2444**	**.0039**	**-.0076**	**5.894**	**.0049**
Stddev	.040	.13	.18	38.	.0025	.0007	.0071	.003	.0006
%RSD	2.939	.6488	.4197	1.634	1.019	17.90	92.66	.0496	12.61
#1	1.344	19.75	43.24	2365.	.2462	.0034	-.0126	5.892	.0045
#2	1.401	19.57	42.99	2311.	.2426	.0044	-.0026	5.896	.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5801**	**-.0018**	**-.3303**	**.0891**	**992.5**	**.0071**	**.0943**
Stddev	.0025	.0007	.0039	.0003	1.8	.0095	.0023
%RSD	.4350	41.68	1.176	.3291	.1850	132.4	2.465
#1	.5784	-.0013	-.3275	.0893	991.2	.0005	.0960
#2	.5819	-.0023	-.3330	.0889	993.8	.0138	.0927

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97811.**	**12920.**	**2055.9**	**6123.1**
Stddev	10.	33.	4.6	11.5
%RSD	.01035	.25911	.22458	.18749
#1	97804.	12897.	2059.2	6131.2
#2	97818.	12944.	2052.7	6114.9

Zoom In Zoom Out

Sample Name: jb68801-1 Acquired: 6/12/2014 16:45:36 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun 20th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1118**	**.0009**	**.0001**	**-.0004**	**.0117**	**.0015**	**.5795**	**.0031**	**.0001**
Stddev	.0004	.0001	.0000	.0001	.0002	.0001	.0024	.0001	.0001
%RSD	.3266	6.083	2.742	22.63	2.115	5.890	.4207	2.308	89.71
#1	.1116	.0008	.0001	-.0005	.0118	.0015	.5812	.0031	.0001
#2	.1121	.0009	.0001	-.0004	.0115	.0014	.5778	.0030	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0079**	**-.0068**	**.0169**	**-.0026**	**.0025**	**.0111**	**-.0007**	**.0121**	**133.0**
Stddev	.0002	.0001	.0009	.0007	.0007	.0004	.0001	.0013	.5
%RSD	2.423	1.698	5.261	25.57	28.24	3.428	16.30	10.82	.3401
#1	.0081	-.0069	.0163	-.0021	.0029	.0114	-.0006	.0130	133.3
#2	.0078	-.0067	.0176	-.0030	.0020	.0109	-.0008	.0112	132.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7126**	**54.83**	**49.84**	**549.7**	**.4199**	**-.0003**	**-.0048**	**13.47**	**.0025**
Stddev	.0015	.33	.10	7.0	.0001	.0000	.0006	.01	.0001
%RSD	.2128	.6004	.2090	1.269	.0177	2.655	11.84	.0453	3.619
#1	.7137	55.06	49.77	554.6	.4198	-.0003	-.0044	13.48	.0026
#2	.7116	54.59	49.92	544.8	.4199	-.0003	-.0052	13.47	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.123**	**.0030**	**-.0356**	**-.0004**	**8.020**	**.0002**	**.0345**
Stddev	.002	.0001	.0013	.0001	.008	.0007	.0003
%RSD	.1967	2.006	3.738	12.95	.1021	415.3	.9110
#1	1.121	.0030	-.0347	-.0005	8.026	.0007	.0347
#2	1.124	.0031	-.0365	-.0004	8.015	-.0003	.0343

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90947.**	**12895.**	**1899.6**	**5480.6**
Stddev	56.	57.	2.3	.8
%RSD	.06106	.44589	.11853	.01489
#1	90908.	12855.	1901.2	5481.2
#2	90987.	12936.	1898.1	5480.0

Zoom In Zoom Out

Sample Name: mp79971-mb1 1 Acquired: 6/12/2014 16:51:55 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**.0001**	**.0001**	**-.0002**	**-.0006**	**.0000**	**.0003**	**.0000**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.000	.0001	.0000
%RSD	32.14	38.89	54.22	76.35	83.70	5.743	13.43	49.22	21.02
#1	.0001	-.0001	.0000	.0002	-.0003	-.0005	.0000	.0002	.0000
#2	.0002	-.0001	.0001	.0001	-.0001	-.0006	-.0001	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0013**	**-.0004**	**.0028**	**.0007**	**.0016**	**-.0005**	**.0040**	**.0107**
Stddev	.0000	.0001	.0001	.0002	.0008	.0002	.0005	.0010	.0056
%RSD	91.50	9.896	30.09	7.479	115.6	10.65	108.2	24.23	52.69
#1	.0000	.0013	-.0005	.0029	.0001	.0017	-.0001	.0034	.0146
#2	-.0001	.0012	-.0003	.0026	.0013	.0015	-.0008	.0047	.0067

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**-.0129**	**.0384**	**.0757**	**-.0010**	**-.0023**	**.0001**	**.0172**	**-.0011**
Stddev	.0010	.0069	.0070	.0127	.0004	.0000	.0011	.0001	.0002
%RSD	248.3	53.50	18.23	16.75	36.84	.4455	1962.	.7748	19.61
#1	.0011	-.0080	.0434	.0847	-.0012	-.0023	.0008	.0173	-.0009
#2	-.0003	-.0177	.0335	.0667	-.0007	-.0023	-.0007	.0171	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0381**	**-.0017**	**.0042**	**-.0001**	**.0003**
Stddev	.0001	.0004	.0004	.0001	.0004	.0006	.0004
%RSD	118.5	154.7	.9626	4.361	8.854	518.7	119.8
#1	.0000	.0000	-.0378	-.0016	.0039	-.0006	.0000
#2	-.0001	-.0005	-.0383	-.0017	.0045	.0003	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106940.**	**13295.**	**2197.0**	**7140.2**
Stddev	437.	46.	5.3	6.1
%RSD	.40890	.34513	.24126	.08533
#1	107250.	13328.	2200.7	7144.5
#2	106630.	13263.	2193.2	7135.9

Zoom In Zoom Out

Sample Name: mp79971-lc1 Acquired: 6/12/2014 16:58:10 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5034**	**.5007**	**.5033**	**.4794**	**.5026**	**.4748**	**.5229**	**.5062**	**.2131**
Stddev	.0013	.0005	.0005	.0002	.0000	.0009	.0005	.0004	.0004
%RSD	.2491	.0899	.0951	.0518	.0077	.1947	.1022	.0784	.1816
#1	.5025	.5010	.5029	.4795	.5026	.4754	.5225	.5065	.2129
#2	.5043	.5004	.5036	.4792	.5026	.4741	.5233	.5059	.2134

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4832**	**.5345**	**.5140**	**.5479**	**.5227**	**.5419**	**.4964**	**5.051**	**5.619**
Stddev	.0001	.0006	.0009	.0008	.0008	.0016	.0004	.006	.009
%RSD	.0272	.1059	.1785	.1405	.1475	.2888	.0808	.1144	.1656
#1	.4831	.5341	.5134	.5474	.5221	.5430	.4961	5.055	5.612
#2	.4833	.5349	.5147	.5485	.5232	.5408	.4966	5.047	5.626

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.743**	**5.656**	**10.23**	**10.38**	**.0007**	**.4842**	**-.0014**	**-.0538**	**.0003**
Stddev	.033	.006	.05	.01	.0005	.0005	.0010	.0012	.0007
%RSD	.5734	.1064	.5174	.0673	70.31	.1126	71.80	2.237	232.1
#1	5.766	5.660	10.19	10.38	.0011	.4838	-.0021	-.0529	-.0002
#2	5.720	5.652	10.27	10.39	.0004	.4845	-.0007	-.0546	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5045**	**-.0358**	**.0008**	**.0011**	**-.0004**	**.0004**
Stddev	.0001	.0000	.0006	.0001	.0003	.0006	.0001
%RSD	41.17	.0085	1.553	9.935	23.69	181.1	33.19
#1	-.0002	.5045	-.0362	.0008	.0009	.0001	.0003
#2	-.0003	.5045	-.0354	.0007	.0013	-.0008	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104540.**	**13307.**	**2146.1**	**6783.5**
Stddev	141.	66.	2.3	.7
%RSD	.13465	.49600	.10544	.00968
#1	104440.	13260.	2147.7	6783.1
#2	104640.	13353.	2144.5	6784.0

Zoom In Zoom Out

Sample Name: mp79971-s1 Acquired: 6/12/2014 17:04:13 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.886**	**.0483**	**.0467**	**.4580**	**.1907**	**.2269**	**.5353**	**.4802**	**.0498**
Stddev	.003	.0000	.0004	.0011	.0004	.0003	.0001	.0010	.0006
%RSD	.1328	.0842	.8206	.2300	.1966	.1486	.0257	.1982	1.227
#1	1.884	.0483	.0464	.4588	.1904	.2266	.5352	.4809	.0502
#2	1.888	.0483	.0470	.4573	.1910	.2271	.5354	.4795	.0494

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4558**	**.4948**	**1.980**	**2.044**	**.4923**	**2.105**	**.4712**	**2.322**	**33.71**
Stddev	.0004	.0019	.004	.007	.0028	.001	.0012	.005	.05
%RSD	.0949	.3857	.1753	.3536	.5718	.0259	.2619	.2136	.1544
#1	.4555	.4962	1.983	2.039	.4943	2.105	.4704	2.319	33.74
#2	.4561	.4935	1.978	2.049	.4903	2.104	.4721	2.326	33.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.536**	**28.00**	**25.71**	**26.18**	**.0064**	**-.0012**	**-.0019**	**3.044**	**.0006**
Stddev	.010	.07	.00	.02	.0004	.0001	.0000	.001	.0001
%RSD	.6415	.2455	.0157	.0819	6.855	9.760	.9750	.0406	14.47
#1	1.543	28.05	25.71	26.16	.0067	-.0011	-.0019	3.043	.0005
#2	1.529	27.95	25.71	26.19	.0061	-.0013	-.0018	3.045	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0389**	**.0067**	**-.0378**	**-.0009**	**3.395**	**.0006**	**.0016**
Stddev	.0002	.0001	.0001	.0001	.001	.0000	.0011
%RSD	.4129	1.647	.2908	6.533	.0241	4.489	66.08
#1	.0388	.0066	-.0377	-.0009	3.396	.0006	.0024
#2	.0390	.0067	-.0379	-.0010	3.395	.0006	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102360.**	**13101.**	**2115.1**	**6555.5**
Stddev	155.	40.	1.9	.5
%RSD	.15163	.30164	.08891	.00730
#1	102470.	13073.	2116.4	6555.8
#2	102250.	13129.	2113.8	6555.1

Zoom In Zoom Out

Sample Name: mp79971-s2 Acquired: 6/12/2014 17:10:15 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.889**	**.0483**	**.0507**	**.4610**	**.2030**	**.2461**	**.5702**	**.4842**	**.0525**
Stddev	.005	.0003	.0053	.0006	.0164	.0184	.0439	.0008	.0033
%RSD	.2844	.6057	10.37	.1279	8.083	7.458	7.707	.1566	6.379
#1	1.885	.0480	.0544	.4605	.2146	.2590	.6013	.4837	.0548
#2	1.892	.0485	.0470	.4614	.1914	.2331	.5391	.4848	.0501

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4820**	**.5035**	**1.987**	**2.068**	**.4981**	**2.113**	**.4720**	**2.318**	**33.51**
Stddev	.0363	.0017	.004	.004	.0005	.002	.0011	.013	.08
%RSD	7.535	.3335	.1969	.2170	.1055	.0987	.2347	.5402	.2466
#1	.5077	.5047	1.990	2.065	.4984	2.112	.4728	2.327	33.45
#2	.4563	.5023	1.985	2.071	.4977	2.115	.4712	2.309	33.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.532**	**27.72**	**25.44**	**25.90**	**.0062**	**-.0013**	**-.0020**	**3.020**	**.0019**
Stddev	.003	.01	.03	.07	.0009	.0003	.0006	.003	.0003
%RSD	.2113	.0486	.1096	.2519	14.40	23.60	29.82	.1123	15.14
#1	1.530	27.73	25.42	25.86	.0068	-.0010	-.0024	3.022	.0021
#2	1.534	27.71	25.46	25.95	.0055	-.0015	-.0016	3.017	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0394**	**.0063**	**-.0362**	**-.0010**	**3.414**	**.0010**	**.0013**
Stddev	.0007	.0009	.0048	.0002	.003	.0003	.0008
%RSD	1.758	14.55	13.19	21.26	.0847	34.19	61.01
#1	.0399	.0070	-.0328	-.0011	3.416	.0007	.0019
#2	.0389	.0057	-.0395	-.0008	3.412	.0012	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**13188.**	**2110.6**	**6544.0**
Stddev	-----	13.	.2	6.8
%RSD	-----	.09884	.01078	.10422
#1	-----	13197.	2110.4	6548.8
#2	102640.	13179.	2110.8	6539.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 17:16:20 Type: QC
Method: Accutest1(v149) 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	**2.002**	**2.042**	**1.995**	**1.999**	**2.017**	**1.978**	**2.085**	**2.047**	**.2510**
Stddev	.000	.002	.004	.003	.002	.004	.001	.002	.0002
%RSD	.0139	.0926	.2071	.1346	.0983	.2257	.0323	.0821	.0701
#1	2.002	2.043	1.992	1.997	2.016	1.981	2.085	2.046	.2511
#2	2.002	2.040	1.998	2.001	2.019	1.975	2.084	2.048	.2509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.054**	**2.000**	**2.042**	**2.067**	**2.001**	**1.995**	**40.49**	**40.63**
Stddev	.005	.005	.003	.013	.000	.000	.000	.00	.16
%RSD	.2689	.2382	.1376	.6137	.0164	.0136	.0106	.0037	.3926
#1	2.044	2.050	1.998	2.051	2.068	2.001	1.995	40.49	40.74
#2	2.036	2.057	2.002	2.033	2.067	2.001	1.994	40.49	40.52
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	**40.96**	**41.20**	**40.47**	**41.28**	**2.004**	**2.011**	**1.976**	**5.036**	**2.053**
Stddev	.13	.05	.00	.02	.007	.006	.002	.009	.003
%RSD	.3183	.1258	.0056	.0582	.3480	.2773	.1144	.1737	.1512
#1	41.05	41.16	40.47	41.30	1.999	2.007	1.978	5.030	2.051
#2	40.87	41.24	40.47	41.26	2.009	2.015	1.975	5.042	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: 6/12/2014 17:16:20 Type: QC
Method: Accutest1(v149) 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	**2.011**	**2.030**	**1.819**	**2.066**	**1.955**	**2.023**	**2.019**
Stddev	.004	.000	.036	.001	.006	.004	.000
%RSD	.2076	.0145	2.009	.0655	.3130	.1933	.0166
#1	2.014	2.029	1.793	2.067	1.959	2.020	2.019
#2	2.008	2.030	1.844	2.065	1.951	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	**99486.**	**12813.**	**2078.2**	**6294.6**
Stddev	93.	60.	2.8	4.4
%RSD	.09304	.46913	.13280	.06984
#1	99552.	12770.	2080.1	6297.7
#2	99421.	12855.	2076.2	6291.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 17:22:24 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0001**	**-.0004**	**.0001**	**.0004**	**-.0004**
Stddev	.0000	.0000	.0003	.0002	.0002	.0000	.0000	.0002	.0002
%RSD	15.86	51.23	58.35	63.89	196.7	6.973	39.02	43.84	49.27
#1	.0002	.0000	.0003	.0002	.0002	-.0004	.0000	.0003	-.0002
#2	.0002	.0001	.0007	.0004	.0000	-.0004	.0001	.0005	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**-.0001**	**-.0011**	**-.0008**	**.0003**	**.0010**	**-.0010**	**-.0044**
Stddev	.0000	.0001	.0001	.0004	.0001	.0000	.0008	.0025	.0022
%RSD	10.37	34.69	59.76	41.39	10.99	.7551	80.69	259.0	49.34
#1	.0002	.0003	-.0001	-.0008	-.0008	.0003	.0015	-.0028	-.0059
#2	.0002	.0004	-.0002	-.0014	-.0007	.0003	.0004	.0008	-.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0143**	**.0216**	**.0190**	**.0007**	**.0012**	**-.0009**	**.0022**	**-.0001**
Stddev	.0002	.0008	.0061	.0033	.0003	.0002	.0001	.0001	.0004
%RSD	17.43	5.334	28.21	17.39	46.36	14.86	9.698	6.660	447.7
#1	.0014	-.0149	.0173	.0167	.0009	.0013	-.0008	.0021	-.0004
#2	.0011	-.0138	.0259	.0214	.0005	.0011	-.0009	.0024	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 17:22:24 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0028**	**.0007**	**-.0015**	**-.0001**	**.0009**
Stddev	.000	.0001	.0041	.0000	.0004	.0004	.0002
%RSD	316.5	47.96	146.7	4.118	28.85	601.4	24.33
#1	-.0001	.0001	.0057	.0007	-.0012	.0002	.0007
#2	.0000	.0003	-.0001	.0007	-.0018	-.0004	.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	**106300.**	**13163.**	**2186.6**	**7064.2**
Stddev	817.	62.	15.0	41.7
%RSD	.76827	.47329	.68633	.59078
#1	105720.	13119.	2175.9	7034.7
#2	106880.	13207.	2197.2	7093.7

Zoom In Zoom Out

Sample Name: jb68861-1 Acquired: 6/12/2014 17:28:42 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th spectra

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0489**	**.0001**	**.0001**	**.0000**	**.0014**	**.0018**	**.0468**	**.0018**	**.0002**
Stddev	.0002	.0001	.0001	.0000	.0002	.0000	.0002	.0004	.0002
%RSD	.3791	56.53	115.3	37.03	15.25	.3981	.3568	24.01	69.06
#1	.0491	.0001	.0000	.0000	.0015	.0018	.0469	.0021	.0003
#2	.0488	.0001	.0002	.0000	.0012	.0018	.0466	.0015	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0043**	**.0020**	**.0009**	**.0016**	**.0032**	**-.0004**	**.3873**	**9.254**
Stddev	.0001	.0002	.0002	.0004	.0005	.0008	.0003	.0073	.010
%RSD	12.89	4.363	8.928	43.18	28.75	26.21	77.95	1.896	.1125
#1	.0009	.0045	.0019	.0012	.0013	.0038	-.0002	.3925	9.246
#2	.0007	.0042	.0022	.0007	.0020	.0026	-.0007	.3821	9.261

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5460**	**2.794**	**1.548**	**1.719**	**.0082**	**-.0009**	**-.0001**	**2.701**	**-.0001**
Stddev	.0011	.030	.001	.005	.0003	.0002	.0006	.001	.0002
%RSD	.2076	1.085	.0510	.2677	3.223	16.99	655.1	.0470	181.3
#1	.5468	2.773	1.547	1.722	.0084	-.0008	.0003	2.701	-.0002
#2	.5452	2.815	1.549	1.715	.0080	-.0010	-.0005	2.702	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0367**	**.0055**	**-.0231**	**-.0009**	**3.105**	**.0007**	**.0013**
Stddev	.0001	.0002	.0005	.0000	.004	.0006	.0007
%RSD	.1848	3.045	2.091	.3558	.1220	86.38	54.07
#1	.0366	.0057	-.0228	-.0009	3.107	.0003	.0008
#2	.0367	.0054	-.0234	-.0009	3.102	.0012	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106410.**	**13273.**	**2191.7**	**7044.8**
Stddev	326.	1.	2.2	6.3
%RSD	.30621	.00462	.10166	.08933
#1	106180.	13273.	2193.2	7049.3
#2	106640.	13272.	2190.1	7040.4

Zoom In Zoom Out

Sample Name: mp79971-sd1 Acquired: 6/12/2014 17:34:55 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0479**	**-.0002**	**.0007**	**-.0008**	**.0015**	**-.0014**	**.0460**	**.0018**	**-.0002**
Stddev	.0009	.0002	.0002	.0004	.0013	.0002	.0004	.0009	.0007
%RSD	1.807	76.64	27.63	52.55	84.13	13.21	.9494	50.19	488.5
#1	.0473	-.0003	.0008	-.0005	.0025	-.0012	.0457	.0011	.0004
#2	.0485	-.0001	.0006	-.0011	.0006	-.0015	.0463	.0024	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0100**	**-.0041**	**-.0047**	**.0049**	**.0064**	**.0000**	**.3523**	**9.024**
Stddev	.0004	.0002	.0009	.0032	.0044	.0020	.002	.0315	.003
%RSD	30.34	1.694	22.66	68.84	90.14	30.58	3705.	8.936	.0372
#1	.0011	.0101	-.0047	-.0070	.0080	.0078	-.0013	.3745	9.021
#2	.0017	.0099	-.0034	-.0024	.0018	.0050	.0012	.3300	9.026

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5311**	**2.681**	**1.520**	**1.676**	**.0080**	**-.0068**	**-.0010**	**2.696**	**-.0022**
Stddev	.0006	.092	.050	.008	.0001	.0003	.0042	.048	.0026
%RSD	.1200	3.436	3.295	.4664	1.306	4.021	435.9	1.781	116.2
#1	.5307	2.616	1.556	1.671	.0080	-.0066	-.0039	2.662	-.0040
#2	.5316	2.746	1.485	1.682	.0081	-.0070	.0020	2.730	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0349**	**.0048**	**-.1232**	**-.0044**	**3.029**	**.0004**	**.0027**
Stddev	.0001	.0016	.0072	.0001	.070	.0021	.0032
%RSD	.1446	33.22	5.835	1.395	2.317	473.9	115.7
#1	.0348	.0060	-.1181	-.0044	2.979	.0019	.0005
#2	.0349	.0037	-.1283	-.0045	3.078	-.0010	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105210.**	**13004.**	**2175.5**	**7006.6**
Stddev	477.	39.	.0	7.8
%RSD	.45339	.30356	.00037	.11093
#1	105550.	12976.	2175.5	7001.1
#2	104870.	13031.	2175.5	7012.1

Zoom In Zoom Out

Sample Name: jb68500-1 Acquired: 6/12/2014 17:41:08 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5797**	**.0004**	**-.0113**	**.0224**	**.0982**	**.1882**	**11.16**	**.0630**	**.0040**
Stddev	.0007	.0001	.0012	.0002	.0005	.0001	.06	.0001	.0001
%RSD	.1261	26.72	10.88	.9253	.5431	.0696	.5694	.1645	3.507
#1	.5792	.0004	-.0122	.0225	.0978	.1881	11.12	.0631	.0039
#2	.5802	.0003	-.0104	.0222	.0986	.1883	11.21	.0630	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0152**	**.8783**	**37.69**	**-.0094**	**.0043**	**.0125**	**.0706**	**.4378**	**74.33**
Stddev	.0000	.0018	.07	.0005	.0004	.0001	.0020	.0020	.26
%RSD	.2439	.2011	.1752	5.121	8.897	1.110	2.870	.4504	.3451
#1	.0151	.8795	37.64	-.0091	.0046	.0126	.0692	.4364	74.15
#2	.0152	.8770	37.74	-.0097	.0040	.0124	.0721	.4392	74.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**178.9**	**20.37**	**3.902**	**90.93**	**.2462**	**-.0058**	**-.0077**	**21.02**	**.0059**
Stddev	.6	.16	.004	.15	.0008	.0000	.0002	.07	.0005
%RSD	.3179	.7885	.1071	.1641	.3324	.5301	2.655	.3389	8.499
#1	178.5	20.26	3.905	90.83	.2457	-.0058	-.0075	20.97	.0055
#2	179.3	20.49	3.899	91.04	.2468	-.0059	-.0078	21.07	.0062

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3992**	**.0208**	**-.0173**	**-.0047**	**15.42**	**.0066**	**.0049**
Stddev	.0004	.0004	.0005	.0003	.02	.0002	.0009
%RSD	.0900	2.094	2.796	5.916	.1496	3.734	18.72
#1	.3994	.0205	-.0170	-.0045	15.40	.0064	.0055
#2	.3989	.0211	-.0176	-.0049	15.44	.0067	.0042

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98919.**	**13050.**	**2052.3**	**6437.0**
Stddev	160.	105.	8.6	13.4
%RSD	.16194	.80421	.42022	.20824
#1	99033.	13124.	2058.4	6446.5
#2	98806.	12976.	2046.2	6427.6

Zoom In Zoom Out

Sample Name: jb68500-2 Acquired: 6/12/2014 17:47:18 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5775**	**.0004**	**-.0104**	**.0227**	**.0963**	**.1900**	**11.41**	**.0671**	**.0048**
Stddev	.0003	.0001	.0004	.0002	.0003	.0003	.06	.0000	.0003
%RSD	.0513	20.61	4.244	.7355	.3199	.1408	.5097	.0194	6.580
#1	.5773	.0003	-.0108	.0226	.0965	.1898	11.37	.0671	.0051
#2	.5777	.0004	-.0101	.0229	.0960	.1902	11.46	.0671	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0142**	**1.311**	**36.71**	**-.0078**	**.0276**	**.0124**	**.0688**	**.4246**	**76.78**
Stddev	.0000	.003	.16	.0038	.0003	.0012	.0012	.0010	.12
%RSD	.0046	.1969	.4344	48.54	1.207	9.521	1.813	.2373	.1584
#1	.0142	1.310	36.59	-.0051	.0274	.0115	.0679	.4239	76.70
#2	.0142	1.313	36.82	-.0105	.0278	.0132	.0697	.4253	76.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.7**	**20.92**	**3.960**	**97.85**	**.2531**	**-.0060**	**-.0072**	**20.92**	**.0056**
Stddev	.5	.02	.014	.04	.0015	.0000	.0005	.09	.0006
%RSD	.2946	.0725	.3419	.0451	.5867	.6569	7.492	.4481	9.950
#1	176.4	20.91	3.950	97.82	.2520	-.0059	-.0076	20.86	.0052
#2	177.1	20.93	3.969	97.88	.2541	-.0060	-.0068	20.99	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4115**	**.0204**	**-.0180**	**-.0050**	**15.66**	**.0058**	**.0056**
Stddev	.0011	.0001	.0003	.0002	.13	.0012	.0005
%RSD	.2758	.6532	1.662	4.544	.8175	21.10	8.711
#1	.4107	.0203	-.0178	-.0052	15.57	.0049	.0060
#2	.4123	.0204	-.0182	-.0049	15.75	.0067	.0053

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100060.**	**13114.**	**2047.9**	**6429.2**
Stddev	421.	33.	12.8	26.3
%RSD	.42045	.25524	.62386	.40835
#1	100360.	13137.	2057.0	6447.7
#2	99766.	13090.	2038.9	6410.6

Zoom In Zoom Out

Sample Name: jb68500-3 Acquired: 6/12/2014 17:53:29 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0930**	**-.0001**	**.0000**	**.0031**	**.0028**	**.1173**	**4.645**	**.0141**	**.0005**
Stddev	.0001	.0001	.000	.0000	.0001	.0003	.009	.0003	.0001
%RSD	.1572	121.3	24.22	1.581	4.077	.2497	.1941	2.361	13.83
#1	.0929	-.0001	.0000	.0031	.0027	.1171	4.639	.0143	.0004
#2	.0931	.0000	.0000	.0032	.0029	.1175	4.652	.0139	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0018**	**.1144**	**.3805**	**.0033**	**.0112**	**.0101**	**.0117**	**.0163**	**70.24**
Stddev	.0000	.0002	.0032	.0015	.0004	.0001	.0005	.0090	.13
%RSD	.8978	.1588	.8321	45.79	3.906	.7860	4.140	55.50	.1914
#1	-.0018	.1146	.3827	.0044	.0109	.0101	.0120	.0227	70.34
#2	-.0019	.1143	.3783	.0022	.0115	.0100	.0113	.0099	70.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.669**	**22.94**	**4.453**	**157.6**	**.2866**	**.0022**	**-.0029**	**6.457**	**.0012**
Stddev	.009	.09	.022	4.6	.0009	.0002	.0013	.013	.0001
%RSD	.5245	.3741	.4890	2.899	.3081	8.441	45.28	.1968	5.931
#1	1.663	23.00	4.469	160.9	.2872	.0023	-.0038	6.466	.0011
#2	1.676	22.88	4.438	154.4	.2859	.0020	-.0019	6.448	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3126**	**.0001**	**-.0341**	**-.0005**	**18.66**	**.0016**	**.0064**
Stddev	.0005	.0003	.0003	.0000	.09	.0003	.0005
%RSD	.1551	265.4	1.004	5.041	.4858	21.76	7.354
#1	.3122	-.0001	-.0343	-.0005	18.72	.0018	.0067
#2	.3129	.0003	-.0339	-.0005	18.59	.0013	.0060

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100150.**	**13103.**	**2051.4**	**6186.8**
Stddev	116.	42.	.4	5.4
%RSD	.11568	.31940	.01787	.08789
#1	100230.	13073.	2051.1	6182.9
#2	100070.	13132.	2051.6	6190.6

Zoom In Zoom Out

Sample Name: jb68500-4 Acquired: 6/12/2014 17:59:49 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0778**	**-.0001**	**.0002**	**.0020**	**.0009**	**.0057**	**4.637**	**.0103**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0002	.005	.0001	.0003
%RSD	.0762	48.70	38.23	4.669	21.56	2.967	.1015	.5019	161.4
#1	.0777	-.0001	.0001	.0020	.0008	.0056	4.633	.0102	.0004
#2	.0778	-.0001	.0002	.0019	.0011	.0058	4.640	.0103	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0019**	**.0112**	**.1567**	**.0045**	**.0027**	**.0082**	**.0119**	**.0051**	**71.92**
Stddev	.0000	.0106	.0001	.0017	.0004	.0031	.0001	.0069	.21
%RSD	.1452	94.93	.0712	38.79	15.04	38.34	.8560	133.9	.2953
#1	-.0019	.0037	.1568	.0057	.0024	.0060	.0118	.0003	71.77
#2	-.0019	.0187	.1567	.0033	.0030	.0104	.0120	.0100	72.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1850**	**23.75**	**4.589**	**162.6**	**.2950**	**.0028**	**-.0023**	**6.430**	**.0001**
Stddev	.0004	.05	.017	.7	.0004	.0000	.0006	.002	.0004
%RSD	.2317	.2224	.3666	.4362	.1471	.0294	24.50	.0258	318.0
#1	.1853	23.71	4.577	162.1	.2947	.0028	-.0027	6.431	.0004
#2	.1847	23.79	4.601	163.1	.2953	.0028	-.0019	6.429	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3185**	**.0002**	**-.0321**	**-.0004**	**19.26**	**.0006**	**.0065**
Stddev	.0012	.0000	.0000	.0000	.02	.0008	.0011
%RSD	.3612	20.80	.0674	4.700	.1047	136.5	17.29
#1	.3177	.0002	-.0321	-.0004	19.25	.0011	.0057
#2	.3193	.0002	-.0321	-.0004	19.27	.0000	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98296.**	**12997.**	**2027.7**	**6110.0**
Stddev	119.	4.	18.5	44.2
%RSD	.12126	.02906	.91088	.72329
#1	98381.	13000.	2040.7	6141.3
#2	98212.	12995.	2014.6	6078.8

Zoom In Zoom Out

Sample Name: jb68500-5 Acquired: 6/12/2014 18:06:13 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0430**	**-.0001**	**.0002**	**.0002**	**.0003**	**.0040**	**3.616**	**.0091**	**.0001**
Stddev	.0003	.0000	.0002	.0002	.0001	.0004	.003	.0001	.0003
%RSD	.7129	16.05	92.70	97.78	49.09	9.067	.0702	.9282	247.9
#1	.0428	-.0001	.0001	.0001	.0003	.0037	3.614	.0091	.0003
#2	.0432	-.0001	.0003	.0003	.0002	.0042	3.617	.0092	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0013**	**.0077**	**.1186**	**.0034**	**.0017**	**.0086**	**.0114**	**.0082**	**72.44**
Stddev	.0001	.0000	.0003	.0007	.0003	.0002	.0002	.0022	.11
%RSD	6.665	.4406	.2121	20.12	17.76	2.430	2.142	26.62	.1491
#1	-.0013	.0077	.1184	.0039	.0019	.0088	.0116	.0097	72.36
#2	-.0014	.0077	.1188	.0029	.0015	.0085	.0112	.0066	72.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0425**	**23.86**	**4.595**	**163.1**	**.2960**	**.0026**	**-.0030**	**6.402**	**.0012**
Stddev	.0022	.03	.003	.1	.0005	.0002	.0003	.007	.0007
%RSD	5.263	.1181	.0597	.0614	.1689	6.853	8.993	.1047	53.60
#1	.0441	23.88	4.593	163.2	.2956	.0027	-.0032	6.397	.0017
#2	.0409	23.84	4.597	163.0	.2963	.0025	-.0028	6.406	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3204**	**.0001**	**-.0345**	**-.0002**	**19.25**	**.0007**	**.0068**
Stddev	.0004	.0003	.0001	.0000	.09	.0001	.0003
%RSD	.1402	286.9	.3907	19.07	.4583	19.14	4.367
#1	.3201	-.0001	-.0346	-.0003	19.31	.0008	.0066
#2	.3207	.0003	-.0344	-.0002	19.19	.0006	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99396.**	**13082.**	**2050.2**	**6176.4**
Stddev	4.	2.	4.3	9.9
%RSD	.00358	.01399	.20836	.16072
#1	99399.	13083.	2053.2	6183.4
#2	99394.	13080.	2047.2	6169.4

Zoom In Zoom Out

Sample Name: jb68844-1 Acquired: 6/12/2014 18:12:31 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0183**	**-.0001**	**.0003**	**-.0009**	**.0013**	**.0008**	**.0688**	**.0007**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0003	.0001	.0002	.0004	.0003
%RSD	.2777	69.17	35.55	9.628	25.45	13.68	.2218	55.59	361.1
#1	.0182	-.0001	.0002	-.0008	.0011	.0009	.0687	.0004	-.0001
#2	.0183	-.0002	.0004	-.0010	.0016	.0008	.0689	.0009	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0082**	**.0009**	**.0008**	**.0016**	**.0086**	**-.0009**	**-.0052**	**55.25**
Stddev	.0002	.0001	.0007	.0003	.0002	.0002	.0013	.0010	.17
%RSD	63.98	1.684	77.54	33.47	13.79	2.141	138.3	20.03	.3012
#1	.0005	.0083	.0004	.0010	.0018	.0087	.0000	-.0045	55.36
#2	.0002	.0081	.0014	.0006	.0015	.0085	-.0018	-.0059	55.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**10.61**	**1.444**	**12.18**	**.0002**	**-.0012**	**-.0022**	**8.765**	**.0014**
Stddev	.0022	.05	.025	.00	.0001	.0001	.0001	.015	.0000
%RSD	60.70	.4673	1.748	.0168	39.54	11.29	2.502	.1709	2.261
#1	.0021	10.65	1.426	12.18	.0002	-.0013	-.0022	8.754	.0014
#2	.0052	10.58	1.462	12.18	.0001	-.0011	-.0023	8.775	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2902**	**-.0001**	**-.0381**	**-.0012**	**13.98**	**.0006**	**.0020**
Stddev	.0001	.0002	.0006	.0000	.00	.0002	.0007
%RSD	.0324	292.3	1.640	2.807	.0139	39.02	33.43
#1	.2901	.0001	-.0376	-.0013	13.98	.0008	.0025
#2	.2902	-.0002	-.0385	-.0012	13.98	.0004	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103810.**	**13030.**	**2122.9**	**6704.8**
Stddev	371.	59.	8.9	20.1
%RSD	.35735	.45429	.42126	.29925
#1	104070.	12988.	2129.2	6719.0
#2	103540.	13072.	2116.6	6690.7

Zoom In Zoom Out

Sample Name: jb68331-13f 2 Acquired: 6/12/2014 18:18:45 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0056**	**-.0001**	**.0002**	**.0051**	**.0018**	**-.0003**	**1.980**	**.0025**	**.0004**
Stddev	.0001	.0000	.0002	.0002	.0005	.0001	.000	.0002	.0001
%RSD	.9071	53.36	99.55	3.692	25.73	19.81	.0034	9.056	13.19
#1	.0055	-.0001	.0000	.0049	.0014	-.0003	1.979	.0023	.0004
#2	.0056	-.0001	.0003	.0052	.0021	-.0004	1.980	.0026	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0025**	**.0032**	**.0000**	**.0068**	**.0063**	**.0011**	**.0072**	**16.35**
Stddev	.0000	.0001	.0005	.002	.0003	.0004	.0003	.0072	.05
%RSD	26.21	2.763	14.93	22340.	3.867	6.143	28.95	100.2	.2782
#1	.0001	.0024	.0028	-.0016	.0066	.0066	.0013	.0021	16.38
#2	.0002	.0025	.0035	.0016	.0070	.0060	.0008	.0123	16.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**31.84**	**5.411**	**.8993**	**3.040**	**.0189**	**-.0025**	**-.0015**	**1.891**	**.0000**
Stddev	.02	.026	.0031	.019	.0002	.0001	.0005	.004	.0002
%RSD	.0745	.4735	.3497	.6200	1.248	2.201	34.50	.1900	419.8
#1	31.85	5.429	.8971	3.026	.0190	-.0024	-.0019	1.894	.0002
#2	31.82	5.393	.9015	3.053	.0187	-.0025	-.0011	1.889	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0556**	**.0000**	**-.0292**	**-.0011**	**1.148**	**.0001**	**.0005**
Stddev	.0000	.000	.0012	.0000	.001	.0004	.0001
%RSD	.0128	1520.	3.999	.3640	.0400	257.6	27.21
#1	.0556	.0001	-.0283	-.0011	1.148	.0004	.0004
#2	.0556	-.0002	-.0300	-.0011	1.148	-.0001	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105760.**	**13097.**	**2147.2**	**6868.8**
Stddev	212.	22.	.5	2.4
%RSD	.20061	.17169	.02224	.03529
#1	105610.	13081.	2147.6	6868.5
#2	105910.	13113.	2146.9	6865.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 18:24:59 Type: QC
Method: Accutest1(v149) 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	**2.006**	**2.038**	**1.998**	**2.005**	**2.031**	**1.963**	**2.086**	**2.052**	**.2513**
Stddev	.004	.002	.000	.004	.005	.006	.002	.004	.0001
%RSD	.2152	.0860	.0110	.2001	.2260	.2878	.0993	.2186	.0584
#1	2.009	2.039	1.998	2.002	2.034	1.959	2.088	2.049	.2514
#2	2.003	2.037	1.998	2.008	2.028	1.967	2.085	2.055	.2512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.064**	**1.993**	**2.022**	**2.078**	**1.998**	**1.995**	**40.29**	**41.03**
Stddev	.003	.005	.003	.001	.003	.009	.000	.03	.06
%RSD	.1649	.2671	.1324	.0492	.1471	.4723	.0076	.0840	.1468
#1	2.029	2.060	1.991	2.021	2.076	2.005	1.995	40.31	41.08
#2	2.034	2.068	1.995	2.023	2.081	1.991	1.994	40.26	40.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.92**	**41.55**	**40.61**	**41.24**	**2.003**	**2.012**	**1.968**	**5.034**	**2.057**
Stddev	.10	.08	.01	.04	.001	.001	.006	.005	.001
%RSD	.2340	.1827	.0124	.0996	.0711	.0697	.3067	.0919	.0280
#1	40.99	41.61	40.61	41.27	2.002	2.011	1.964	5.037	2.057
#2	40.85	41.50	40.61	41.21	2.004	2.013	1.972	5.031	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 18:24:59 Type: QC
Method: Accutest1(v149) 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	**2.015**	**2.027**	**1.800**	**2.067**	**1.942**	**2.024**	**2.024**
Stddev	.006	.000	.037	.000	.004	.004	.004
%RSD	.2761	.0117	2.055	.0060	.1828	.2089	.1876
#1	2.019	2.027	1.774	2.067	1.940	2.027	2.027
#2	2.012	2.027	1.826	2.067	1.945	2.021	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100080.**	**12765.**	**2087.4**	**6317.4**
Stddev	4.	32.	1.3	2.5
%RSD	.00440	.25107	.06181	.03969
#1	100080.	12743.	2086.5	6319.2
#2	100070.	12788.	2088.3	6315.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 18:31:02 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0005**	**.0004**	**.0011**	**.0001**	**.0007**	**.0002**	**-.0002**
Stddev	.0000	.0001	.0001	.0001	.0002	.0001	.0001	.0001	.0000
%RSD	4.557	18.15	22.91	20.87	23.15	104.6	14.29	54.01	23.53
#1	.0007	.0004	.0006	.0003	.0009	.0000	.0006	.0001	-.0001
#2	.0006	.0006	.0004	.0005	.0012	.0002	.0008	.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	**.0008**	**.0005**	**.0009**	**-.0004**	**.0006**	**.0000**	**.0003**	**.0106**	**.0076**
Stddev	.0001	.0001	.0016	.0010	.0009	.0010	.0002	.0066	.0019
%RSD	8.009	32.01	178.2	266.5	136.4	2867.	77.88	62.41	25.17
#1	.0009	.0004	.0020	.0003	.0012	.0008	.0004	.0059	.0090
#2	.0008	.0006	-.0002	-.0010	.0000	-.0007	.0001	.0152	.0063
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**	**.0263**	**.0559**	**.0255**	**.0003**	**.0010**	**.0006**	**.0020**	**.0004**
Stddev	.0002	.0342	.0055	.0027	.0003	.0006	.0010	.0007	.0004
%RSD	1.328	129.9	9.769	10.63	117.6	54.31	186.7	34.54	98.14
#1	.0116	.0505	.0520	.0236	.0005	.0014	.0013	.0025	.0001
#2	.0118	.0022	.0598	.0274	.0000	.0006	-.0002	.0015	.0007
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 18:31:02 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	**.0009**	**.0009**	**-.0017**	**.0006**	**.0006**
Stddev	.0001	.0001	.0037	.0000	.0015	.0001	.0010
%RSD	22.16	13.20	403.0	3.151	87.07	17.24	173.3
#1	.0004	.0005	.0036	.0009	-.0027	.0005	-.0001
#2	.0006	.0005	-.0017	.0009	-.0006	.0007	.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	**106400.**	**12922.**	**2177.3**	**7031.5**
Stddev	241.	13.	3.4	15.7
%RSD	.22690	.10208	.15598	.22360
#1	106230.	12913.	2179.7	7042.7
#2	106570.	12931.	2174.9	7020.4

Zoom In Zoom Out

Sample Name: mp79943-sd2 Acquired: 6/12/2014 18:37:21 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0074**	**.0001**	**.0007**	**.0052**	**.0041**	**.0002**	**1.989**	**.0026**	**.0004**
Stddev	.0009	.0004	.0005	.0003	.0001	.0007	.001	.0003	.0029
%RSD	12.82	366.2	71.67	5.629	2.742	339.8	.0378	12.27	660.2
#1	.0067	-.0002	.0004	.0050	.0040	-.0003	1.988	.0028	.0025
#2	.0080	.0004	.0011	.0054	.0042	.0007	1.989	.0024	-.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0153**	**-.0017**	**-.0039**	**.0071**	**.0120**	**.0036**	**.0301**	**16.06**
Stddev	.0001	.0006	.0006	.0053	.0020	.0028	.0046	.0229	.05
%RSD	7.663	3.904	37.70	137.9	27.89	23.40	127.2	76.14	.3069
#1	.0009	.0157	-.0012	-.0001	.0085	.0140	.0004	.0462	16.09
#2	.0008	.0148	-.0021	-.0076	.0057	.0100	.0069	.0139	16.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**31.22**	**5.285**	**.9770**	**3.050**	**.0159**	**-.0045**	**-.0019**	**2.204**	**.0018**
Stddev	.03	.085	.0042	.015	.0016	.0003	.0007	.010	.0018
%RSD	.1091	1.605	.4266	.4797	9.839	7.210	39.73	.4393	102.4
#1	31.24	5.345	.9800	3.061	.0170	-.0042	-.0024	2.197	.0005
#2	31.20	5.225	.9741	3.040	.0148	-.0047	-.0014	2.211	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0542**	**.0022**	**-.0690**	**.0002**	**1.150**	**.0011**	**.0027**
Stddev	.0004	.0002	.0061	.0001	.004	.0031	.0020
%RSD	.6487	10.13	8.897	68.56	.3338	276.1	72.16
#1	.0539	.0023	-.0647	.0002	1.152	.0033	.0013
#2	.0544	.0020	-.0734	.0001	1.147	-.0011	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106270.**	**13010.**	**2182.8**	**7027.9**
Stddev	170.	124.	4.6	18.8
%RSD	.16028	.95407	.21027	.26706
#1	106390.	12922.	2186.0	7041.2
#2	106150.	13098.	2179.5	7014.7

Zoom In Zoom Out

Sample Name: jb68331-12 Acquired: 6/12/2014 18:43:36 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0550**	**-.0001**	**.0003**	**.0124**	**.0040**	**.0000**	**1.625**	**.0033**	**.0017**
Stddev	.0003	.0000	.0000	.0001	.0002	.000	.001	.0004	.0002
%RSD	.4595	34.86	1.863	.8143	5.764	169.5	.0821	12.78	13.70
#1	.0548	-.0001	.0003	.0124	.0038	-.0001	1.626	.0036	.0015
#2	.0552	-.0001	.0003	.0123	.0042	.0000	1.624	.0030	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0057**	**.0091**	**-.0021**	**.0004**	**.0018**	**.0025**	**.0150**	**4.781**
Stddev	.0002	.0002	.0015	.0006	.0006	.0025	.0004	.0010	.004
%RSD	14.65	3.080	16.46	29.74	174.1	138.4	14.34	6.443	.0790
#1	.0014	.0056	.0080	-.0026	-.0001	.0000	.0022	.0156	4.778
#2	.0018	.0058	.0102	-.0017	.0008	.0036	.0027	.0143	4.784

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**97.63**	**6.337**	**1.630**	**10.71**	**.0604**	**-.0057**	**-.0035**	**3.194**	**-.0003**
Stddev	.00	.013	.002	.01	.0003	.0001	.0004	.002	.0005
%RSD	.0040	.1995	.0915	.0742	.5176	1.093	11.85	.0528	175.2
#1	97.63	6.328	1.629	10.71	.0602	-.0057	-.0038	3.195	.0001
#2	97.63	6.346	1.631	10.70	.0606	-.0057	-.0032	3.193	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0335**	**-.0002**	**-.0134**	**-.0013**	**3.046**	**.0014**	**.0010**
Stddev	.0000	.0001	.0003	.0001	.012	.0010	.0005
%RSD	.0421	32.28	1.891	6.436	.3782	68.12	46.21
#1	.0335	-.0002	-.0136	-.0013	3.038	.0007	.0013
#2	.0335	-.0003	-.0133	-.0012	3.054	.0021	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105600.**	**13004.**	**2154.4**	**6899.7**
Stddev	69.	6.	.3	4.7
%RSD	.06502	.04598	.01199	.06789
#1	105650.	13009.	2154.6	6903.1
#2	105550.	13000.	2154.2	6896.4

Zoom In Zoom Out

Sample Name: jb68331-14 Acquired: 6/12/2014 18:49:50 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0542**	**.0000**	**.0005**	**.0050**	**.0021**	**.0028**	**.7088**	**.0041**	**.0010**
Stddev	.0001	.000	.0001	.0001	.0002	.0003	.0013	.0001	.0001
%RSD	.1707	233.5	15.76	1.574	11.36	11.82	.1891	2.964	13.71
#1	.0541	-.0001	.0005	.0049	.0022	.0025	.7098	.0040	.0009
#2	.0543	.0000	.0004	.0050	.0019	.0030	.7079	.0042	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0070**	**.0428**	**-.0014**	**.0007**	**.0020**	**.0022**	**.0158**	**6.973**
Stddev	.0002	.0000	.0011	.0020	.0011	.0006	.0004	.0030	.014
%RSD	13.94	.4815	2.551	141.5	144.1	28.63	18.38	18.77	.1978
#1	.0016	.0069	.0436	.0000	.0015	.0016	.0019	.0178	6.983
#2	.0019	.0070	.0421	-.0029	.0000	.0024	.0025	.0137	6.963

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.02**	**6.964**	**2.276**	**12.23**	**.0382**	**-.0051**	**-.0028**	**3.077**	**.0017**
Stddev	.17	.013	.003	.00	.0002	.0002	.0009	.007	.0005
%RSD	.1938	.1816	.1276	.0185	.5174	3.117	31.88	.2164	29.63
#1	90.14	6.955	2.278	12.23	.0384	-.0050	-.0022	3.082	.0013
#2	89.90	6.973	2.274	12.23	.0381	-.0052	-.0034	3.072	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0457**	**.0003**	**-.0185**	**-.0001**	**15.55**	**.0019**	**.0009**
Stddev	.0002	.0000	.0008	.0000	.14	.0002	.0008
%RSD	.5094	2.367	4.475	34.10	.8864	12.82	88.03
#1	.0458	.0004	-.0179	-.0001	15.65	.0018	.0015
#2	.0455	.0003	-.0191	-.0002	15.46	.0021	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104720.**	**13020.**	**2157.2**	**6868.4**
Stddev	36.	2.	.4	11.5
%RSD	.03460	.01857	.01923	.16717
#1	104690.	13018.	2157.0	6860.3
#2	104750.	13022.	2157.5	6876.5

Zoom In Zoom Out

Sample Name: jb68331-15 Acquired: 6/12/2014 18:56:04 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0663**	**.0000**	**.0004**	**.0142**	**.0028**	**.0043**	**1.964**	**.0095**	**.0014**
Stddev	.0004	.000	.0003	.0001	.0001	.0002	.001	.0002	.0001
%RSD	.6199	238.0	75.44	1.020	3.308	4.129	.0673	1.625	4.155
#1	.0661	.0000	.0007	.0143	.0028	.0044	1.965	.0094	.0014
#2	.0666	.0000	.0002	.0141	.0029	.0042	1.963	.0096	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0257**	**.0069**	**-.0019**	**.0010**	**.0040**	**.0025**	**.0169**	**2.786**
Stddev	.0001	.0001	.0010	.0011	.0011	.0005	.0004	.0019	.000
%RSD	6.029	.5842	14.70	58.00	112.6	12.03	15.22	11.09	.0098
#1	.0015	.0256	.0061	-.0011	.0017	.0044	.0022	.0183	2.786
#2	.0016	.0258	.0076	-.0026	.0002	.0037	.0028	.0156	2.785

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**91.04**	**4.673**	**1.802**	**4.403**	**.0490**	**-.0058**	**-.0032**	**3.186**	**.0000**
Stddev	.02	.012	.021	.008	.0002	.0000	.0000	.000	.0005
%RSD	.0251	.2588	1.140	.1773	.4024	.5277	1.255	.0006	1778.
#1	91.05	4.681	1.787	4.398	.0489	-.0059	-.0032	3.186	.0004
#2	91.02	4.664	1.816	4.409	.0492	-.0058	-.0033	3.186	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0257**	**.0004**	**-.0222**	**-.0019**	**2.339**	**.0012**	**.0015**
Stddev	.0000	.0002	.0001	.0000	.015	.0007	.0003
%RSD	.1922	39.88	.4584	1.088	.6368	58.58	18.16
#1	.0257	.0003	-.0223	-.0019	2.329	.0007	.0017
#2	.0256	.0005	-.0221	-.0019	2.350	.0017	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106060.**	**13170.**	**2156.1**	**6955.5**
Stddev	95.	35.	1.5	3.5
%RSD	.09004	.26816	.06793	.05040
#1	105990.	13195.	2157.1	6958.0
#2	106120.	13145.	2155.1	6953.0

Zoom In Zoom Out

Sample Name: jb68331-16 Acquired: 6/12/2014 19:02:17 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0249**	**-.0001**	**.0006**	**.0083**	**.0180**	**.0049**	**2.719**	**.0140**	**.0008**
Stddev	.0003	.0000	.0003	.0000	.0003	.0001	.006	.0000	.0003
%RSD	1.070	57.32	58.73	.2432	1.931	1.322	.2105	.1878	33.62
#1	.0247	-.0001	.0008	.0082	.0182	.0048	2.724	.0140	.0006
#2	.0251	.0000	.0003	.0083	.0177	.0049	2.715	.0141	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.0091**	**.0492**	**-.0021**	**.0002**	**.0032**	**.0028**	**.3358**	**7.971**
Stddev	.0003	.0000	.0010	.0018	.0013	.0013	.0004	.0057	.007
%RSD	5.434	.1009	2.114	85.81	535.0	41.14	14.45	1.697	.0905
#1	.0051	.0091	.0499	-.0008	-.0007	.0023	.0031	.3318	7.976
#2	.0055	.0091	.0485	-.0034	.0011	.0041	.0025	.3399	7.966

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**150.6**	**9.191**	**2.947**	**31.51**	**.0549**	**-.0071**	**-.0044**	**2.922**	**.0001**
Stddev	.0	.004	.010	.06	.0007	.0000	.0009	.000	.0017
%RSD	.0197	.0379	.3344	.1954	1.212	.4470	19.42	.0028	1215.
#1	150.6	9.194	2.954	31.55	.0544	-.0070	-.0038	2.922	-.0011
#2	150.6	9.189	2.940	31.47	.0554	-.0071	-.0050	2.922	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0431**	**.0084**	**-.0216**	**-.0018**	**3.812**	**.0031**	**.0005**
Stddev	.0001	.0003	.0002	.0002	.006	.0009	.0001
%RSD	.2195	3.700	.7562	10.60	.1522	28.17	19.50
#1	.0431	.0086	-.0217	-.0019	3.808	.0038	.0005
#2	.0432	.0082	-.0215	-.0017	3.816	.0025	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103090.**	**13061.**	**2128.7**	**6786.7**
Stddev	288.	37.	2.4	5.6
%RSD	.27970	.28480	.11341	.08320
#1	102890.	13035.	2127.0	6782.7
#2	103290.	13087.	2130.4	6790.7

Zoom In Zoom Out

Sample Name: jb68331-17 Acquired: 6/12/2014 19:08:29 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0293**	**-.0001**	**.0003**	**.0041**	**.0101**	**.0007**	**1.099**	**.0035**	**.0013**
Stddev	.0002	.0001	.0000	.0001	.0004	.0002	.000	.0001	.0000
%RSD	.5304	116.2	6.721	1.834	3.777	28.28	.0269	3.487	.4466
#1	.0294	-.0001	.0004	.0041	.0098	.0009	1.099	.0034	.0013
#2	.0292	.0000	.0003	.0042	.0104	.0006	1.099	.0036	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0288**	**.0186**	**-.0008**	**.0003**	**.0051**	**.0008**	**.0231**	**14.93**
Stddev	.0000	.0000	.0007	.0006	.0002	.0006	.0001	.0032	.00
%RSD	.2308	.0278	3.836	75.62	67.82	11.14	11.49	13.89	.0033
#1	.0034	.0287	.0181	-.0004	.0002	.0054	.0008	.0208	14.93
#2	.0034	.0288	.0191	-.0012	.0005	.0047	.0009	.0253	14.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**109.0**	**7.345**	**2.324**	**11.24**	**.0582**	**-.0062**	**-.0036**	**2.737**	**.0008**
Stddev	.1	.005	.014	.04	.0004	.0003	.0001	.001	.0009
%RSD	.0462	.0679	.5918	.3572	.6227	4.125	3.426	.0238	115.2
#1	109.0	7.342	2.334	11.27	.0580	-.0060	-.0037	2.737	.0015
#2	109.1	7.349	2.315	11.21	.0585	-.0064	-.0035	2.736	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0790**	**.0009**	**-.0264**	**-.0025**	**.7287**	**.0016**	**.0011**
Stddev	.0000	.0002	.0010	.0002	.0026	.0010	.0006
%RSD	.0604	22.38	3.644	7.437	.3537	61.04	58.61
#1	.0791	.0008	-.0257	-.0027	.7269	.0009	.0015
#2	.0790	.0011	-.0271	-.0024	.7305	.0023	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104690.**	**13061.**	**2147.2**	**6862.5**
Stddev	55.	6.	1.3	6.2
%RSD	.05297	.04502	.05994	.09006
#1	104730.	13057.	2148.1	6866.9
#2	104660.	13066.	2146.3	6858.1

Zoom In Zoom Out

Sample Name: jb68331-18 Acquired: 6/12/2014 19:14:43 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0424**	**.0000**	**.0005**	**.0055**	**.0090**	**.0036**	**1.367**	**.0063**	**.0026**
Stddev	.0001	.0001	.0001	.0001	.0002	.0002	.001	.0002	.0000
%RSD	.1272	28770.	12.21	1.381	2.350	5.443	.0467	3.870	.3522
#1	.0424	.0000	.0005	.0055	.0089	.0035	1.367	.0062	.0026
#2	.0424	.0000	.0006	.0056	.0092	.0038	1.366	.0065	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0276**	**.0323**	**-.0020**	**-.0005**	**.0022**	**.0024**	**.2131**	**9.375**
Stddev	.0001	.0002	.0006	.0010	.0006	.0013	.0002	.0030	.007
%RSD	1.883	.7176	1.824	50.16	121.8	59.84	6.997	1.427	.0707
#1	.0046	.0274	.0327	-.0026	-.0009	.0013	.0025	.2110	9.370
#2	.0047	.0277	.0318	-.0013	-.0001	.0031	.0023	.2153	9.380

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**175.3**	**8.869**	**1.250**	**14.51**	**.0547**	**-.0094**	**-.0048**	**2.544**	**.0008**
Stddev	.0	.033	.031	.06	.0006	.0000	.0002	.005	.0003
%RSD	.0205	.3710	2.505	.3903	1.171	.2090	4.308	.1796	42.46
#1	175.3	8.892	1.272	14.55	.0543	-.0094	-.0046	2.540	.0011
#2	175.4	8.846	1.228	14.47	.0552	-.0094	-.0049	2.547	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1323**	**.0055**	**-.0238**	**-.0034**	**.3958**	**.0038**	**.0009**
Stddev	.0005	.0001	.0001	.0000	.0032	.0002	.0007
%RSD	.3660	1.476	.5446	1.227	.7961	6.054	75.14
#1	.1320	.0054	-.0239	-.0034	.3935	.0040	.0015
#2	.1326	.0055	-.0237	-.0034	.3980	.0037	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104660.**	**13024.**	**2130.6**	**6899.0**
Stddev	50.	40.	2.9	3.4
%RSD	.04746	.30820	.13478	.04976
#1	104630.	12996.	2132.6	6896.6
#2	104700.	13052.	2128.6	6901.5

Zoom In Zoom Out

Sample Name: jb68331-12f Acquired: 6/12/2014 19:20:56 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0537**	**-.0001**	**.0004**	**.0093**	**.0009**	**-.0001**	**1.604**	**.0030**	**.0009**
Stddev	.0000	.0001	.0001	.0003	.0001	.0000	.001	.0002	.0000
%RSD	.0453	75.99	28.39	2.892	12.14	9.521	.0845	5.913	4.189
#1	.0536	-.0001	.0003	.0095	.0010	-.0001	1.605	.0029	.0010
#2	.0537	.0000	.0004	.0092	.0008	-.0001	1.603	.0031	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0036**	**.0071**	**-.0007**	**-.0001**	**.0031**	**.0013**	**-.0048**	**4.663**
Stddev	.0000	.0000	.0004	.0024	.0011	.0006	.0002	.0042	.001
%RSD	.3202	.1825	5.519	363.0	746.5	19.26	17.19	87.22	.0247
#1	.0014	.0036	.0074	.0011	-.0009	.0035	.0011	-.0078	4.662
#2	.0014	.0036	.0068	-.0024	.0006	.0026	.0014	-.0018	4.663

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**93.75**	**6.211**	**1.587**	**10.61**	**.0593**	**-.0061**	**-.0026**	**3.163**	**-.0001**
Stddev	.13	.013	.000	.02	.0000	.0002	.0005	.005	.0002
%RSD	.1394	.2038	.0231	.1817	.0542	3.420	17.53	.1634	232.1
#1	93.85	6.220	1.588	10.63	.0592	-.0059	-.0029	3.160	-.0003
#2	93.66	6.202	1.587	10.60	.0593	-.0062	-.0023	3.167	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0330**	**.0004**	**-.0269**	**-.0022**	**2.990**	**.0016**	**.0007**
Stddev	.0000	.0002	.0011	.0001	.008	.0001	.0003
%RSD	.0422	41.61	4.135	4.108	.2647	9.062	45.27
#1	.0330	.0005	-.0261	-.0021	2.984	.0015	.0009
#2	.0330	.0003	-.0277	-.0023	2.995	.0017	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105780.**	**13067.**	**2154.3**	**6905.1**
Stddev	117.	9.	4.0	5.5
%RSD	.11106	.06581	.18501	.08021
#1	105870.	13061.	2157.1	6909.0
#2	105700.	13073.	2151.5	6901.2

Zoom In Zoom Out

Sample Name: jb68331-14f Acquired: 6/12/2014 19:27:09 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0533**	**.0000**	**.0003**	**.0037**	**.0013**	**.0010**	**.6939**	**.0224**	**.0009**
Stddev	.0001	.000	.0000	.0001	.0001	.0000	.0011	.0001	.0002
%RSD	.1932	65.17	4.419	2.607	4.800	3.082	.1623	.6201	24.89
#1	.0533	.0000	.0003	.0038	.0014	.0010	.6947	.0223	.0011
#2	.0532	.0000	.0003	.0037	.0013	.0010	.6931	.0225	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0111**	**.0399**	**-.0018**	**.0002**	**.0035**	**.0017**	**.0011**	**6.890**
Stddev	.0002	.0001	.0007	.0008	.0005	.0008	.0003	.0004	.015
%RSD	14.01	.6522	1.756	44.53	215.7	23.84	16.72	41.55	.2227
#1	.0015	.0111	.0404	-.0013	.0006	.0029	.0015	.0008	6.901
#2	.0018	.0112	.0394	-.0024	-.0001	.0041	.0019	.0014	6.880

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**87.08**	**6.954**	**2.272**	**12.02**	**.0374**	**-.0055**	**-.0031**	**2.969**	**.0002**
Stddev	.07	.009	.004	.03	.0003	.0000	.0006	.002	.0005
%RSD	.0748	.1372	.1630	.2761	.8661	.2120	18.81	.0741	221.8
#1	87.12	6.947	2.269	12.04	.0372	-.0056	-.0027	2.971	.0006
#2	87.03	6.961	2.274	11.99	.0376	-.0055	-.0035	2.968	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0449**	**.0003**	**-.0312**	**-.0010**	**15.35**	**.0025**	**.0011**
Stddev	.0001	.0001	.0006	.0003	.04	.0001	.0003
%RSD	.2484	38.08	1.819	24.12	.2378	2.069	24.58
#1	.0450	.0003	-.0308	-.0009	15.38	.0026	.0009
#2	.0448	.0002	-.0316	-.0012	15.32	.0025	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105990.**	**13132.**	**2166.4**	**6907.6**
Stddev	92.	9.	.8	.0
%RSD	.08683	.06950	.03575	.00005
#1	105930.	13126.	2165.9	6907.6
#2	106060.	13139.	2167.0	6907.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 19:33:22 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**2.033**	**1.988**	**1.997**	**2.027**	**1.969**	**2.095**	**2.052**	**.2519**
Stddev	.003	.004	.009	.010	.001	.000	.002	.007	.0000
%RSD	.1318	.1766	.4785	.5125	.0475	.0045	.0722	.3316	.0001
#1	1.996	2.030	1.981	1.990	2.027	1.969	2.096	2.047	.2519
#2	1.999	2.035	1.994	2.004	2.026	1.969	2.094	2.056	.2519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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**	**2.061**	**1.981**	**2.028**	**2.081**	**2.000**	**1.986**	**40.48**	**40.58**
Stddev	.002	.005	.009	.001	.007	.009	.005	.06	.12
%RSD	.0943	.2583	.4639	.0394	.3270	.4382	.2763	.1567	.2948
#1	2.043	2.057	1.975	2.027	2.077	1.994	1.982	40.44	40.50
#2	2.040	2.065	1.988	2.028	2.086	2.006	1.990	40.53	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	**40.60**	**41.22**	**40.59**	**41.60**	**1.988**	**1.997**	**1.969**	**5.000**	**2.047**
Stddev	.12	.08	.07	.04	.013	.009	.003	.026	.008
%RSD	.2939	.1972	.1826	.0938	.6737	.4554	.1598	.5174	.4096
#1	40.52	41.17	40.53	41.57	1.978	1.991	1.971	4.982	2.041
#2	40.69	41.28	40.64	41.63	1.997	2.003	1.966	5.018	2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 19:33:22 Type: QC
Method: Accutest1(v149) 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	**1.999**	**2.030**	F **1.647**	**2.063**	**1.939**	**2.010**	**2.019**
Stddev	.003	.000	.044	.004	.001	.011	.003
%RSD	.1513	.0062	2.661	.2200	.0477	.5277	.1336
#1	1.997	2.030	1.616	2.059	1.940	2.002	2.018
#2	2.001	2.030	1.678	2.066	1.938	2.017	2.021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100450.**	**12785.**	**2108.4**	**6358.0**
Stddev	44.	62.	8.2	14.8
%RSD	.04385	.48690	.38877	.23215
#1	100480.	12829.	2114.2	6368.5
#2	100420.	12741.	2102.6	6347.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 19:39:26 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0007**	**.0006**	**.0004**	**.0009**	**.0002**	**.0010**	**.0006**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0000	.0002	.0000	.0000	.0000
%RSD	7.927	16.26	14.53	26.28	.4121	68.49	2.757	5.909	13.09
#1	.0009	.0007	.0007	.0005	.0009	.0003	.0010	.0006	.0001
#2	.0010	.0008	.0005	.0004	.0009	.0001	.0011	.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	**.0011**	**.0007**	**.0005**	**-.0011**	**-.0003**	**-.0009**	**.0005**	**.0242**	**.0116**
Stddev	.0001	.0001	.0002	.0001	.0000	.0003	.0008	.0064	.0044
%RSD	12.65	16.82	44.57	9.877	13.75	33.70	156.3	26.47	38.11
#1	.0010	.0007	.0003	-.0011	-.0004	-.0007	.0010	.0197	.0147
#2	.0012	.0006	.0006	-.0012	-.0003	-.0011	-.0001	.0288	.0085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0160**	**.0165**	**.0384**	**.0219**	**.0004**	**.0009**	**.0005**	**.0009**	**.0001**
Stddev	.0005	.0124	.0128	.0004	.0002	.0005	.0000	.0001	.0001
%RSD	2.989	75.36	33.32	1.683	49.94	53.00	3.964	9.878	103.4
#1	.0163	.0077	.0294	.0221	.0002	.0013	.0005	.0010	.0002
#2	.0156	.0253	.0475	.0216	.0005	.0006	.0005	.0008	.0000
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: 6/12/2014 19:39:26 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0010**	**-.0048**	**.0008**	**-.0008**	**-.0003**	F **.0022**
Stddev	.0001	.0000	.0036	.0001	.0005	.0012	.0011
%RSD	17.11	4.363	74.81	9.118	66.81	394.2	51.57
#1	.0007	.0010	-.0023	.0008	-.0004	.0005	.0030
#2	.0009	.0010	-.0074	.0007	-.0011	-.0011	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	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	**107290.**	**12929.**	**2199.8**	**7091.2**
Stddev	248.	85.	2.8	.6
%RSD	.23131	.66113	.12530	.00827
#1	107120.	12989.	2201.7	7091.6
#2	107470.	12868.	2197.8	7090.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/12/2014 19:45:45 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2041**	**.0022**	**.0033**	**.0500**	**.0109**	**.0097**	**.0165**	**.0105**	**.0050**
Stddev	.0003	.0000	.0002	.0000	.0004	.0004	.0001	.0003	.0004
%RSD	.1624	1.020	5.025	.0656	3.355	4.356	.3639	3.213	7.872
#1	.2039	.0022	.0032	.0500	.0107	.0100	.0165	.0108	.0047
#2	.2043	.0022	.0034	.0500	.0112	.0094	.0164	.0103	.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0526**	**.0238**	**.0076**	**.0088**	**.0035**	**.0111**	**.0064**	**.2013**	**5.154**
Stddev	.0001	.0001	.0002	.0005	.0004	.0002	.0005	.0063	.000
%RSD	.2182	.2165	2.599	6.142	11.68	1.635	7.591	3.132	.0022
#1	.0525	.0238	.0074	.0084	.0032	.0110	.0061	.1969	5.154
#2	.0527	.0237	.0077	.0091	.0038	.0112	.0068	.2058	5.154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1065**	**5.594**	**5.204**	**5.153**	**.1021**	**.0200**	**.0566**	**.2167**	**.0111**
Stddev	.0011	.016	.005	.003	.0007	.0001	.0006	.0003	.0002
%RSD	1.016	.2836	.0899	.0588	.7250	.4985	1.058	.1467	1.833
#1	.1072	5.583	5.201	5.150	.1016	.0201	.0571	.2164	.0109
#2	.1057	5.606	5.207	5.155	.1026	.0200	.0562	.2169	.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: 6/12/2014 19:45:45 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0106**	**.0399**	**.0118**	**.0478**	**.0211**	**.0224**
Stddev	.0000	.0000	.0016	.0003	.0006	.0008	.0002
%RSD	.1518	.3921	4.128	2.955	1.160	3.648	.9217
#1	.0105	.0106	.0411	.0120	.0481	.0206	.0223
#2	.0105	.0106	.0388	.0115	.0474	.0217	.0226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106040.**	**12817.**	**2190.1**	**6967.4**
Stddev	130.	22.	.7	3.9
%RSD	.12254	.17182	.03415	.05556
#1	105950.	12832.	2190.6	6970.1
#2	106140.	12801.	2189.6	6964.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/12/2014 19:51:59 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0012**	**.0032**	**.0021**	F **.0012**	**.0033**	**.0041**	F **.0007**
Stddev	.0001	.0000	.0001	.0002	.0002	.0001	.0001	.0001	.0001
%RSD	1.402	2.430	10.85	5.990	8.825	7.896	1.714	1.650	13.63
#1	.0041	.0010	.0013	.0034	.0023	.0011	.0033	.0040	.0007
#2	.0041	.0010	.0011	.0031	.0020	.0012	.0033	.0041	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value						.0020			.0010
Range						-30.00%			-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0120**	**.0024**	**.0021**	**.0031**	F **.0080**	**.0035**	**.1066**	**1.055**
Stddev	.0002	.0002	.0002	.0007	.0001	.0015	.0000	.0027	.001
%RSD	8.670	1.485	9.179	33.26	2.118	19.03	.2322	2.504	.1169
#1	.0022	.0121	.0022	.0016	.0031	.0091	.0036	.1047	1.054
#2	.0020	.0119	.0025	.0026	.0032	.0069	.0035	.1085	1.056
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	**.0019**	**.1176**	**2.115**	**1.059**	**.0096**	**-.0014**	**-.0001**	**-.0018**	**-.0007**
Stddev	.0004	.0142	.028	.005	.0003	.0001	.0008	.0001	.0005
%RSD	21.84	12.08	1.301	.4412	3.646	10.69	743.7	4.047	71.78
#1	.0022	.1276	2.095	1.055	.0093	-.0013	-.0007	-.0017	-.0004
#2	.0016	.1076	2.134	1.062	.0098	-.0015	.0004	-.0018	-.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: 6/12/2014 19:51:59 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0268**	**-.0010**	**-.0020**	**-.0002**	**.0005**
Stddev	.0000	.0001	.0002	.0001	.0009	.0005	.0002
%RSD	41.54	49.95	.5926	7.161	44.99	287.2	29.72
#1	-.0001	-.0002	-.0267	-.0010	-.0014	.0002	.0004
#2	.0000	-.0001	-.0269	-.0009	-.0026	-.0005	.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	**107110.**	**12871.**	**2186.1**	**7047.8**
Stddev	332.	64.	.5	7.4
%RSD	.30960	.49607	.02486	.10529
#1	106880.	12916.	2186.5	7053.0
#2	107350.	12826.	2185.8	7042.5

Zoom In Zoom Out

Sample Name: cria Acquired: 6/12/2014 19:58:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0001**	**-.0002**	**.0002**	**-.0009**	**-.0001**	**-.0001**	**-.0001**
Stddev	.0000	.0000	.0002	.0002	.0003	.0001	.0000	.0000	.0000
%RSD	19.86	12.88	260.6	63.38	127.9	7.827	14.38	17.29	.5234
#1	.0001	-.0001	.0002	-.0001	.0000	-.0009	-.0001	-.0001	-.0001
#2	.0002	-.0001	-.0001	-.0003	.0004	-.0010	-.0001	-.0001	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0193**	**.0014**	**.0207**	**.0245**	**.0203**	**.4999**	**-.0044**
Stddev	.0002	.0000	.0001	.0003	.0006	.0008	.0003	.0085	.0002
%RSD	153.4	12.99	.2922	20.61	2.872	3.269	1.431	1.706	3.644
#1	.0003	.0001	.0193	.0016	.0211	.0239	.0201	.5059	-.0043
#2	.0000	.0001	.0192	.0012	.0203	.0251	.0205	.4939	-.0046
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	**.5288**	**-.0071**	**.0322**	**-.0010**	**-.0012**	**-.0019**	**.0000**	**-.0026**	**-.0009**
Stddev	.0027	.0209	.0013	.0034	.0004	.0000	.0006	.0006	.0001
%RSD	.5092	296.6	3.924	343.8	37.61	1.237	1789.	21.07	15.39
#1	.5307	-.0219	.0313	.0014	-.0009	-.0019	-.0004	-.0023	-.0008
#2	.5269	.0077	.0331	-.0034	-.0015	-.0018	.0005	-.0030	-.0010
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/12/2014 19:58:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0315**	**-.0012**	**-.0032**	**-.0006**	**.0002**
Stddev	.0001	.0001	.0015	.0000	.0009	.0002	.0008
%RSD	131.6	52.38	4.722	1.307	27.74	37.36	486.9
#1	.0000	-.0002	-.0305	-.0012	-.0026	-.0004	-.0004
#2	-.0002	-.0004	-.0326	-.0012	-.0039	-.0007	.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	**106980.**	**12840.**	**2195.2**	**7065.0**
Stddev	118.	3.	1.7	3.1
%RSD	.11056	.02541	.07856	.04343
#1	107060.	12838.	2196.4	7067.2
#2	106890.	12842.	2194.0	7062.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/12/2014 20:04:36 Type: QC
Method: Accutest1(v149) 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**	**-.0001**	**.0017**	**.0035**	**.0015**	**.0028**	**-.0002**	**-.0006**
Stddev	.0000	.0001	.0001	.0003	.0001	.0001	.0001	.0001
%RSD	1.845	124.4	6.003	10.03	4.323	5.254	32.93	22.95
#1	-.0008	.0000	.0017	.0032	.0015	.0027	-.0001	-.0005
#2	-.0008	-.0002	.0018	.0037	.0016	.0029	-.0002	-.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	**-.0023**	**.0046**	**-.0005**	**.0009**	**.0028**	**.0014**	**.0104**	**.0017**
Stddev	.0001	.0002	.0000	.0012	.0000	.0014	.0016	.0019
%RSD	5.224	4.116	1.239	140.3	.2904	95.04	15.62	115.9
#1	-.0024	.0045	-.0005	.0017	.0028	.0005	.0115	.0031
#2	-.0022	.0048	-.0005	.0000	.0028	.0024	.0092	.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	**512.7**	**383.8**	**192.1**	**550.0**	**.0246**	**.0048**	**-.0133**	**-.0020**
Stddev	2.7	.9	.1	.2	.0301	.0011	.0003	.0000
%RSD	.5346	.2341	.0474	.0284	122.2	23.78	1.909	.0259
#1	514.6	383.2	192.0	549.9	.0459	.0056	-.0135	-.0020
#2	510.7	384.4	192.2	550.1	.0033	.0040	-.0131	-.0020
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: icsa Acquired: 6/12/2014 20:04:36 Type: QC
Method: Accutest1(v149) 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	**-.0170**	**-.0055**	**.0085**	**-.0010**	**.0022**	**-.0120**	**.0087**	F **-.0526**
Stddev	.0011	.0013	.0004	.0000	.0000	.0014	.0001	.0035
%RSD	6.170	23.58	4.465	1.731	.4769	11.70	.7912	6.735
#1	-.0178	-.0064	.0087	-.0010	.0022	-.0130	.0087	-.0551
#2	-.0163	-.0046	.0082	-.0010	.0022	-.0110	.0088	-.0500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0025**	**.0052**
Stddev	.0013	.0002
%RSD	52.83	4.477
#1	.0015	.0051
#2	.0034	.0054
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	**91163.**	**12253.**	**1922.6**	**5640.8**
Stddev	30.	36.	.0	.5
%RSD	.03337	.29505	.00011	.00918
#1	91142.	12279.	1922.6	5641.2
#2	91185.	12228.	1922.6	5640.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/12/2014 20:10:58 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5084**	**.5075**	**1.024**	**.4808**	**.4823**	**.5268**	**.5177**	**.9758**	**1.127**
Stddev	.0011	.0010	.001	.0002	.0004	.0002	.0005	.0003	.000
%RSD	.2124	.2057	.0732	.0386	.0735	.0472	.0907	.0287	.0344
#1	.5091	.5083	1.024	.4809	.4821	.5270	.5174	.9756	1.126
#2	.5076	.5068	1.023	.4807	.4826	.5266	.5181	.9760	1.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4842**	**.9700**	**1.098**	**.9441**	**.9726**	**1.067**	**1.042**	**513.4**	**384.1**
Stddev	.0008	.0008	.002	.0011	.0017	.003	.000	3.4	2.2
%RSD	.1691	.0855	.1903	.1127	.1773	.2654	.0088	.6717	.5753
#1	.4836	.9705	1.096	.9449	.9738	1.065	1.042	515.8	382.5
#2	.4848	.9694	1.099	.9434	.9713	1.069	1.042	510.9	385.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**196.9**	**550.1**	**-.0240**	**-.0012**	**-.0127**	**.4913**	**.5299**	**-.0056**	**.0072**
Stddev	.0	.1	.0256	.0048	.0012	.0005	.0004	.0015	.0010
%RSD	.0171	.0142	106.7	384.9	9.287	.0919	.0687	26.30	13.18
#1	196.9	550.1	-.0059	-.0046	-.0135	.4909	.5297	-.0045	.0066
#2	196.9	550.2	-.0421	.0021	-.0119	.4916	.5302	-.0066	.0079
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/12/2014 20:10:58 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0054**	**.5691**	**.5573**	**.4385**	**.5240**	**.5583**
Stddev	.0001	.0003	.0032	.0025	.0067	.0016	.0001
%RSD	11.04	4.717	.5596	.4403	1.538	.2997	.0205
#1	-.0009	.0055	.5714	.5555	.4338	.5251	.5584
#2	-.0011	.0052	.5669	.5590	.4433	.5229	.5582
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	**90106.**	**12218.**	**1901.6**	**5603.3**
Stddev	148.	23.	1.0	.4
%RSD	.16384	.18814	.05264	.00656
#1	90210.	12234.	1900.9	5603.6
#2	90001.	12202.	1902.3	5603.0

Zoom In Zoom Out

Sample Name: moconf Acquired: 6/12/2014 20:17:14 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0002**	**.0006**	**-.0013**	**.0026**	**-.0049**	**.0013**	**.0015**	**.0000**
Stddev	.0002	.0001	.0001	.0000	.0003	.0000	.0000	.0001	.000
%RSD	212.9	37.70	23.16	3.501	10.83	.3925	.1337	3.420	788.6
#1	-.0001	.0003	.0005	-.0013	.0024	-.0049	.0013	.0015	.0002
#2	.0003	.0002	.0007	-.0014	.0028	-.0049	.0013	.0015	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0111**	**-.0040**	**.0046**	**.0077**	**-.0009**	**.0052**	**-.0002**	**.0671**	**.2022**
Stddev	.0000	.0003	.0007	.0002	.0011	.0015	.0002	.0078	.0041
%RSD	.4469	6.570	14.23	3.000	118.9	28.61	113.7	11.69	2.044
#1	-.0111	-.0042	.0051	.0079	-.0001	.0063	.0000	.0616	.1993
#2	-.0112	-.0038	.0042	.0075	-.0017	.0042	-.0004	.0727	.2051

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0796**	**.2716**	**.0098**	**.0349**	**.0323**	**10.99**	**-.0002**	**.0052**	**-.0014**
Stddev	.0045	.0468	.0005	.0039	.0003	.01	.0002	.0006	.0004
%RSD	5.648	17.24	5.431	11.08	1.032	.1257	83.59	11.25	30.43
#1	.0764	.2385	.0102	.0376	.0320	10.98	-.0003	.0048	-.0017
#2	.0827	.3047	.0094	.0321	.0325	11.00	-.0001	.0056	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0007**	**-.0280**	**.0153**	**.0037**	**-.0020**	**.0011**
Stddev	.0000	.0003	.0001	.0004	.0011	.0001	.0006
%RSD	24.89	46.49	.2573	2.333	28.54	5.298	53.56
#1	-.0001	-.0005	-.0280	.0156	.0044	-.0019	.0007
#2	-.0001	-.0010	-.0281	.0151	.0029	-.0020	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106680.**	**12874.**	**2188.8**	**7054.4**
Stddev	41.	8.	2.9	7.1
%RSD	.03865	.05998	.13424	.10056
#1	106650.	12880.	2190.9	7059.4
#2	106710.	12869.	2186.7	7049.3

Zoom In Zoom Out

Sample Name: alconf Acquired: 6/12/2014 20:23:29 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0011**	**-.0001**	**.0011**	**-.0001**	**-.0002**	**-.0001**	**-.0006**	**-.0014**	**.0005**
Stddev	.0001	.0000	.0001	.0002	.0002	.0005	.0000	.0005	.0002
%RSD	13.60	61.62	9.066	182.2	89.44	420.3	2.992	34.39	37.64
#1	-.0012	-.0001	.0010	-.0003	-.0001	-.0005	-.0006	-.0011	.0007
#2	-.0010	.0000	.0012	.0000	-.0003	.0002	-.0006	-.0018	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0040**	**-.0003**	**.0008**	**-.0008**	**.0069**	**.0009**	**499.7**	**.0476**
Stddev	.0002	.0004	.0008	.0008	.0008	.0042	.0000	4.0	.0047
%RSD	48.65	9.503	236.4	106.7	103.7	60.48	1.298	.8099	9.977
#1	-.0005	.0043	-.0009	.0002	-.0014	.0098	.0009	496.9	.0442
#2	-.0002	.0037	.0002	.0014	-.0002	.0039	.0009	502.6	.0509

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0095**	**.0461**	**.0092**	**-.0126**	**-.0047**	**.0077**	**.0003**	**.0024**	**.0037**
Stddev	.0023	.0073	.0085	.0025	.0006	.0008	.0012	.0024	.0001
%RSD	24.59	15.93	91.77	19.58	12.40	10.64	339.5	100.4	2.029
#1	.0079	.0513	.0152	-.0143	-.0043	.0083	.0012	.0041	.0036
#2	.0112	.0409	.0032	-.0108	-.0051	.0072	-.0005	.0007	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0006**	**-.0265**	**.0138**	**-.0498**	**-.0035**	**.0008**
Stddev	.0000	.0004	.0012	.0001	.0002	.0008	.0012
%RSD	18.00	70.32	4.551	.5004	.3846	23.58	152.3
#1	-.0002	-.0003	-.0274	.0137	-.0499	-.0029	-.0001
#2	-.0001	-.0009	-.0257	.0138	-.0497	-.0041	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97086.**	**12809.**	**2162.2**	**6249.1**
Stddev	63.	30.	2.5	1.2
%RSD	.06500	.23200	.11369	.01967
#1	97042.	12830.	2164.0	6248.3
#2	97131.	12788.	2160.5	6250.0

Zoom In Zoom Out

Sample Name: sconf Acquired: 6/12/2014 20:29:50 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**.0001**	**.0000**	**.0002**	**-.0006**	**-.0001**	**.0001**	**.0001**
Stddev	.0000	.0000	.0002	.0000	.0001	.0001	.0000	.0000	.0001
%RSD	93.96	8.558	121.6	240.2	39.70	21.80	44.31	65.25	89.25
#1	.0000	-.0001	.0003	.0000	.0003	-.0007	-.0001	.0001	.0000
#2	.0000	-.0001	.0000	.0000	.0002	-.0005	-.0001	.0000	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0009**	**-.0010**	**.0008**	**.0004**	**.0018**	**.0009**	**.0111**	**.0070**
Stddev	.0000	.0001	.0001	.0012	.0005	.0003	.0001	.0041	.0009
%RSD	27.69	8.161	7.446	149.3	118.1	16.11	15.14	37.20	12.83
#1	.0001	.0010	-.0009	.0016	.0001	.0020	.0008	.0082	.0076
#2	.0001	.0009	-.0010	.0000	.0007	.0016	.0010	.0141	.0064

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0022**	**.0140**	**.0142**	**-.0042**	**-.0015**	**-.0004**	**.0004**	**-.0001**	**-.0010**
Stddev	.0001	.0223	.0132	.0002	.0003	.0002	.0003	.0002	.0003
%RSD	3.979	159.7	92.73	4.846	21.87	44.66	86.29	123.9	29.84
#1	.0022	-.0018	.0236	-.0040	-.0017	-.0003	.0001	.0000	-.0012
#2	.0023	.0298	.0049	-.0043	-.0013	-.0005	.0006	-.0002	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0005**	**-.0373**	**.0021**	**23.46**	**-.0002**	**.0005**
Stddev	.0001	.0001	.0009	.0001	.03	.0002	.0001
%RSD	36.61	22.83	2.281	5.082	.1088	79.88	21.08
#1	-.0001	-.0006	-.0379	.0022	23.44	-.0003	.0004
#2	-.0002	-.0004	-.0367	.0020	23.47	-.0001	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107000.**	**12873.**	**2194.8**	**7098.5**
Stddev	99.	27.	2.1	23.9
%RSD	.09286	.20853	.09466	.33647
#1	107070.	12892.	2193.3	7081.6
#2	106930.	12854.	2196.2	7115.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 20:36:08 Type: QC
Method: Accutest1(v149) 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	**1.987**	**2.020**	**1.987**	**1.990**	**2.005**	**1.929**	**2.052**	**2.040**	**.2485**
Stddev	.008	.010	.007	.007	.002	.007	.006	.010	.0000
%RSD	.3920	.4809	.3717	.3501	.0852	.3813	.3017	.4797	.0076
#1	1.993	2.027	1.982	1.985	2.006	1.934	2.056	2.034	.2485
#2	1.982	2.014	1.992	1.995	2.004	1.923	2.048	2.047	.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	**1.995**	**2.049**	**1.989**	**2.037**	**2.062**	**1.999**	**1.982**	**39.89**	**40.69**
Stddev	.008	.009	.008	.015	.009	.007	.006	.24	.19
%RSD	.4178	.4609	.3979	.7262	.4202	.3417	.2968	.6061	.4783
#1	2.001	2.042	1.983	2.027	2.056	1.994	1.978	40.06	40.83
#2	1.989	2.055	1.994	2.048	2.068	2.004	1.986	39.72	40.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
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**	**41.27**	**40.26**	**41.00**	**1.990**	**1.997**	**1.940**	**5.000**	**2.049**
Stddev	.27	.26	.16	.16	.010	.009	.007	.022	.009
%RSD	.6690	.6216	.3921	.3821	.4934	.4634	.3688	.4419	.4208
#1	40.74	41.45	40.38	41.11	1.983	1.991	1.945	4.984	2.043
#2	40.36	41.09	40.15	40.89	1.997	2.004	1.934	5.015	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: 6/12/2014 20:36:08 Type: QC
Method: Accutest1(v149) 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	**2.001**	**1.996**	F **1.696**	**2.043**	**1.949**	**2.008**	**2.007**
Stddev	.010	.003	.042	.000	.009	.008	.006
%RSD	.4908	.1401	2.491	.0185	.4478	.3890	.3123
#1	2.008	1.998	1.666	2.043	1.943	2.003	2.011
#2	1.994	1.994	1.726	2.044	1.955	2.014	2.003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101710.**	**12797.**	**2102.1**	**6369.8**
Stddev	183.	86.	6.0	22.3
%RSD	.17965	.67581	.28602	.35040
#1	101580.	12736.	2106.4	6385.6
#2	101840.	12859.	2097.9	6354.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 20:42:11 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0005**	**.0005**	**.0002**	**.0008**	**.0001**	**.0007**	**.0005**	**.0002**
Stddev	.0001	.0000	.0000	.0001	.0001	.0000	.0000	.0000	.0000
%RSD	6.480	3.051	5.568	28.26	14.33	57.10	4.568	.2440	12.41
#1	.0008	.0005	.0005	.0002	.0008	.0000	.0007	.0005	.0002
#2	.0008	.0005	.0005	.0002	.0007	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0002**	**-.0003**	**-.0004**	**.0007**	**.0007**	**.0046**	**.0067**
Stddev	.0002	.0001	.0003	.0007	.0005	.0004	.0004	.0013	.0039
%RSD	21.40	16.23	128.0	252.3	111.3	64.19	51.10	27.62	58.75
#1	.0009	.0006	.0004	-.0007	-.0001	.0004	.0010	.0055	.0095
#2	.0006	.0005	.0000	.0002	-.0007	.0010	.0005	.0037	.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	F **.0123**	**.0408**	**.0147**	**.0085**	**.0007**	**.0015**	**.0003**	**.0018**	**-.0002**
Stddev	.0004	.0300	.0178	.0030	.0001	.0003	.0001	.0003	.0001
%RSD	3.052	73.42	121.3	35.55	20.74	21.52	26.77	18.12	35.81
#1	.0120	.0620	.0273	.0106	.0006	.0017	.0004	.0016	-.0002
#2	.0125	.0196	.0021	.0064	.0008	.0013	.0002	.0020	-.0003
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: 6/12/2014 20:42:11 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	**.0028**	**.0009**	**.0001**	**.0004**	**.0004**
Stddev	.0000	.0000	.0031	.0000	.0000	.0006	.0000
%RSD	.9166	5.443	111.2	3.537	40.46	137.0	1.636
#1	.0005	.0005	.0050	.0009	.0001	.0000	.0004
#2	.0005	.0006	.0006	.0009	.0001	.0009	.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	**106950.**	**12851.**	**2197.6**	**7086.7**
Stddev	120.	102.	4.3	6.8
%RSD	.11174	.79082	.19350	.09606
#1	107030.	12923.	2194.6	7081.9
#2	106860.	12779.	2200.6	7091.5

Zoom In Zoom Out

Sample Name: jb68331-15f Acquired: 6/12/2014 20:48:30 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0630**	**.0000**	**.0004**	**.0133**	**.0013**	**-.0005**	**1.976**	**.0097**	**.0012**
Stddev	.0000	.000	.0001	.0002	.0002	.0001	.003	.0006	.0000
%RSD	.0007	52.93	30.81	1.175	11.85	23.25	.1418	5.926	.1934
#1	.0630	.0000	.0003	.0134	.0012	-.0006	1.974	.0101	.0012
#2	.0630	.0000	.0005	.0132	.0014	-.0004	1.978	.0093	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0166**	**.0070**	**-.0037**	**.0001**	**.0024**	**.0015**	**-.0006**	**2.795**
Stddev	.0001	.0000	.0000	.0024	.0003	.0011	.0002	.0024	.012
%RSD	8.461	.0916	.5477	65.10	278.9	46.76	11.73	385.1	.4315
#1	.0015	.0166	.0070	-.0053	.0003	.0032	.0016	.0011	2.803
#2	.0017	.0166	.0070	-.0020	-.0001	.0016	.0014	-.0023	2.786

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**91.68**	**4.538**	**1.645**	**4.243**	**.0474**	**-.0041**	**-.0033**	**2.936**	**.0004**
Stddev	.02	.056	.011	.001	.0002	.0003	.0009	.013	.0003
%RSD	.0218	1.237	.6413	.0216	.4538	7.136	27.34	.4295	76.97
#1	91.69	4.498	1.653	4.244	.0476	-.0039	-.0040	2.945	.0002
#2	91.66	4.578	1.638	4.242	.0473	-.0043	-.0027	2.927	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0255**	**.0001**	**.0030**	**.0001**	**2.049**	**.0017**	**.0012**
Stddev	.0001	.0000	.0042	.0001	.008	.0002	.0002
%RSD	.2083	28.65	139.0	102.0	.4033	13.03	16.71
#1	.0255	.0002	.0060	.0002	2.055	.0019	.0014
#2	.0254	.0001	.0001	.0000	2.043	.0016	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106390.**	**13104.**	**2170.4**	**6991.7**
Stddev	232.	7.	6.3	13.8
%RSD	.21828	.05244	.28828	.19802
#1	106550.	13099.	2166.0	6981.9
#2	106220.	13108.	2174.8	7001.4

Zoom In Zoom Out

Sample Name: jb68331-16f Acquired: 6/12/2014 20:54:45 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0241**	**-.0001**	**.0005**	**.0069**	**.0039**	**.0001**	**2.775**	**.0068**	**.0019**
Stddev	.0000	.0000	.0001	.0001	.0003	.0000	.010	.0002	.0001
%RSD	.1481	39.15	24.71	1.468	7.137	30.81	.3451	3.036	5.248
#1	.0241	-.0001	.0006	.0068	.0037	.0001	2.782	.0070	.0019
#2	.0241	-.0001	.0004	.0070	.0041	.0001	2.768	.0067	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0026**	**.0052**	**.0489**	**-.0020**	**-.0004**	**-.0005**	**.0023**	**-.0106**	**8.243**
Stddev	.0000	.0002	.0005	.0008	.0003	.0003	.0005	.0068	.004
%RSD	1.242	3.576	1.120	38.77	82.21	69.46	20.46	64.17	.0489
#1	.0026	.0051	.0485	-.0026	-.0006	-.0002	.0027	-.0155	8.241
#2	.0026	.0054	.0493	-.0015	-.0002	-.0007	.0020	-.0058	8.246

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.1**	**9.480**	**2.951**	**32.34**	**.0558**	**-.0074**	**-.0048**	**2.462**	**-.0005**
Stddev	.2	.074	.012	.08	.0012	.0001	.0003	.008	.0008
%RSD	.1586	.7815	.3966	.2337	2.174	1.448	5.941	.3172	166.1
#1	153.3	9.428	2.959	32.39	.0566	-.0075	-.0046	2.468	-.0011
#2	152.9	9.532	2.943	32.28	.0549	-.0073	-.0050	2.457	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0412**	**.0003**	**-.0055**	**-.0015**	**3.828**	**.0034**	**.0009**
Stddev	.0001	.0003	.0003	.0000	.005	.0007	.0007
%RSD	.1884	97.24	4.744	1.844	.1363	19.39	80.06
#1	.0411	.0001	-.0053	-.0015	3.832	.0039	.0014
#2	.0413	.0005	-.0057	-.0015	3.825	.0029	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103390.**	**12946.**	**2128.0**	**6797.6**
Stddev	328.	24.	5.1	6.9
%RSD	.31692	.18852	.24018	.10120
#1	103150.	12963.	2124.4	6792.8
#2	103620.	12929.	2131.6	6802.5

Zoom In Zoom Out

Sample Name: jb68331-17f Acquired: 6/12/2014 21:00:58 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0303**	**-.0001**	**.0003**	**.0025**	**.0015**	**.0000**	**1.068**	**.0017**	**.0011**
Stddev	.0002	.0000	.0000	.0000	.0002	.0000	.002	.0002	.0002
%RSD	.7168	6.852	.2360	1.680	15.68	39.31	.1998	9.854	16.80
#1	.0304	-.0001	.0003	.0024	.0013	.0000	1.069	.0018	.0010
#2	.0301	-.0001	.0003	.0025	.0016	.0000	1.066	.0016	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0033**	**.0189**	**-.0017**	**-.0006**	**.0017**	**.0013**	**.0179**	**15.45**
Stddev	.0000	.0002	.0005	.0028	.0001	.0011	.0003	.0001	.02
%RSD	1.805	4.612	2.543	169.4	10.62	67.31	19.62	.3337	.1096
#1	.0021	.0032	.0193	-.0037	-.0007	.0025	.0015	.0179	15.44
#2	.0021	.0035	.0186	.0003	-.0006	.0009	.0011	.0180	15.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**107.2**	**7.435**	**2.389**	**11.55**	**.0594**	**-.0054**	**-.0047**	**2.736**	**.0006**
Stddev	.0	.006	.007	.02	.0005	.0000	.0004	.009	.0000
%RSD	.0067	.0780	.2907	.1426	.7751	.1918	8.609	.3382	8.576
#1	107.2	7.431	2.384	11.56	.0591	-.0054	-.0049	2.730	.0006
#2	107.2	7.439	2.394	11.54	.0597	-.0053	-.0044	2.743	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0823**	**.0034**	**-.0078**	**-.0016**	**.7070**	**.0021**	**.0005**
Stddev	.0002	.0003	.0008	.0001	.0013	.0002	.0007
%RSD	.2526	9.833	10.35	5.461	.1799	8.950	133.9
#1	.0824	.0032	-.0084	-.0017	.7061	.0023	.0000
#2	.0821	.0037	-.0072	-.0016	.7079	.0020	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104470.**	**13004.**	**2129.7**	**6820.9**
Stddev	28.	5.	1.7	12.2
%RSD	.02649	.03752	.08112	.17905
#1	104490.	13000.	2130.9	6812.3
#2	104450.	13007.	2128.5	6829.5

Zoom In Zoom Out

Sample Name: jb68331-18f Acquired: 6/12/2014 21:07:13 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0364**	**.0000**	**.0006**	**.0035**	**.0022**	**.0000**	**1.478**	**.0015**	**.0014**
Stddev	.0003	.000	.0000	.0001	.0004	.0000	.002	.0006	.0005
%RSD	.7657	90.65	1.883	2.489	16.86	269.1	.1280	37.14	37.12
#1	.0363	.0000	.0006	.0034	.0025	.0000	1.477	.0019	.0011
#2	.0366	-.0001	.0006	.0035	.0019	.0000	1.480	.0011	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**.0036**	**.0327**	**-.0029**	**.0003**	**.0016**	**.0028**	**-.0026**	**8.180**
Stddev	.0003	.0000	.0007	.0009	.0001	.0019	.0006	.0035	.065
%RSD	7.198	1.166	2.117	33.24	22.10	118.5	20.40	134.2	.7989
#1	.0038	.0036	.0322	-.0035	.0002	.0029	.0024	-.0051	8.134
#2	.0035	.0036	.0332	-.0022	.0003	.0003	.0032	-.0001	8.226

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**174.9**	**9.340**	**1.195**	**14.13**	**.0559**	**-.0091**	**-.0046**	**2.352**	**.0018**
Stddev	1.4	.107	.006	.10	.0010	.0003	.0005	.000	.0004
%RSD	.7878	1.147	.5115	.7342	1.825	2.982	11.57	.0130	21.25
#1	173.9	9.264	1.191	14.06	.0567	-.0092	-.0043	2.352	.0021
#2	175.9	9.416	1.199	14.21	.0552	-.0089	-.0050	2.351	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0717**	**.0003**	**.0004**	**-.0031**	**.3364**	**.0045**	**.0011**
Stddev	.0002	.0000	.0014	.0000	.0020	.0001	.0001
%RSD	.3164	17.15	387.1	1.363	.5804	3.095	11.09
#1	.0715	.0002	-.0006	-.0031	.3378	.0046	.0011
#2	.0718	.0003	.0014	-.0031	.3351	.0044	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103530.**	**13009.**	**2104.6**	**6836.2**
Stddev	60.	101.	1.9	6.6
%RSD	.05819	.77488	.09207	.09599
#1	103480.	13080.	2103.2	6831.6
#2	103570.	12938.	2106.0	6840.9

Zoom In Zoom Out

Sample Name: jb68430-2 Acquired: 6/12/2014 21:13:27 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2834**	**-.0001**	**.0005**	**-.0001**	**.0030**	**.0011**	**.4375**	**.0021**	**.0002**
Stddev	.0000	.0000	.0002	.0002	.0001	.0000	.0010	.0003	.0003
%RSD	.0044	5.044	47.55	280.8	2.442	1.132	.2255	12.37	166.8
#1	.2834	-.0001	.0006	.0001	.0030	.0011	.4382	.0023	.0000
#2	.2834	-.0001	.0003	-.0003	.0031	.0011	.4368	.0019	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0051**	**.0037**	**-.0016**	**.0018**	**.0019**	**.0114**	**.0008**	**.0109**	**141.8**
Stddev	.0003	.0001	.0011	.0011	.0000	.0016	.0000	.0054	.0
%RSD	4.964	3.622	71.06	63.37	1.068	14.28	5.958	49.65	.0183
#1	.0053	.0036	-.0024	.0026	.0019	.0103	.0008	.0071	141.8
#2	.0049	.0038	-.0008	.0010	.0019	.0126	.0007	.0147	141.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0167**	**38.01**	**2.382**	**58.74**	**.0720**	**.0008**	**-.0044**	**10.56**	**.0028**
Stddev	.0029	.10	.022	.04	.0004	.0000	.0005	.01	.0005
%RSD	17.57	.2648	.9127	.0753	.6204	3.805	12.22	.0887	17.65
#1	.0146	38.08	2.367	58.78	.0717	.0009	-.0048	10.56	.0031
#2	.0188	37.94	2.398	58.71	.0724	.0008	-.0041	10.57	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4728**	**.0005**	**-.0376**	**-.0013**	**8.605**	**-.0004**	**.0127**
Stddev	.0003	.0003	.0009	.0001	.002	.0006	.0014
%RSD	.0632	52.61	2.376	7.800	.0256	146.5	11.29
#1	.4726	.0003	-.0369	-.0014	8.603	-.0008	.0117
#2	.4730	.0007	-.0382	-.0013	8.607	.0000	.0137

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99549.**	**12697.**	**2030.5**	**6191.4**
Stddev	157.	5.	2.2	3.2
%RSD	.15766	.03589	.10723	.05139
#1	99438.	12693.	2032.1	6193.6
#2	99660.	12700.	2029.0	6189.1

Zoom In Zoom Out

Sample Name: jb68453-3 Acquired: 6/12/2014 21:19:41 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3185**	**.0001**	**.0005**	**.0026**	**.0006**	**.0016**	**7.074**	**.0007**	**.0005**
Stddev	.0001	.0000	.0000	.0003	.0002	.0001	.010	.0001	.0000
%RSD	.0334	5.219	3.631	10.10	32.80	4.447	.1461	10.42	3.303
#1	.3184	.0001	.0005	.0028	.0005	.0017	7.081	.0008	.0005
#2	.3185	.0001	.0005	.0024	.0007	.0016	7.067	.0007	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0024**	**.0042**	**-.0007**	**.0016**	**.0014**	**.0111**	**.0005**	**.0069**	**71.37**
Stddev	.0001	.0001	.0002	.0007	.0002	.0014	.0001	.0066	.40
%RSD	6.229	2.759	29.76	42.81	14.07	12.89	25.95	95.65	.5650
#1	-.0023	.0043	-.0006	.0011	.0013	.0101	.0004	.0022	71.66
#2	-.0025	.0042	-.0009	.0021	.0016	.0121	.0006	.0116	71.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.69**	**35.57**	**14.52**	**199.3**	**.0626**	**-.0016**	**-.0039**	**6.811**	**-.0010**
Stddev	.12	.27	.01	.7	.0005	.0000	.0004	.006	.0001
%RSD	.3361	.7459	.0398	.3721	.8051	2.992	10.61	.0825	7.710
#1	35.78	35.76	14.51	199.8	.0622	-.0015	-.0042	6.815	-.0011
#2	35.61	35.38	14.52	198.8	.0629	-.0016	-.0036	6.807	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4388**	**.0002**	**-.0386**	**-.0020**	**9.222**	**.0010**	**.0133**
Stddev	.0005	.0001	.0007	.0001	.021	.0001	.0006
%RSD	.1225	69.12	1.820	5.257	.2307	5.176	4.627
#1	.4384	.0001	-.0381	-.0021	9.237	.0010	.0137
#2	.4392	.0002	-.0391	-.0019	9.207	.0009	.0129

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97331.**	**12755.**	**2010.1**	**6040.0**
Stddev	62.	132.	.5	.2
%RSD	.06406	1.0363	.02551	.00296
#1	97287.	12662.	2010.5	6040.1
#2	97375.	12849.	2009.8	6039.8

Zoom In Zoom Out

Sample Name: jb68453-4 Acquired: 6/12/2014 21:26:06 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4356**	**.0002**	**.0005**	**.0085**	**.0006**	**.0145**	**7.969**	**.0012**	**.0003**
Stddev	.0006	.0000	.0000	.0002	.0000	.0001	.017	.0003	.0003
%RSD	.1476	10.05	9.490	2.000	1.535	.8612	.2176	28.88	105.8
#1	.4352	.0002	.0005	.0086	.0006	.0144	7.981	.0009	.0001
#2	.4361	.0001	.0005	.0084	.0006	.0146	7.956	.0014	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0036**	**.0542**	**-.0015**	**.0018**	**.0018**	**.0097**	**.0004**	**.0124**	**122.2**
Stddev	.0003	.0002	.0011	.0018	.0008	.0002	.0014	.0009	.1
%RSD	7.685	.4213	73.88	99.59	41.20	1.834	378.6	7.292	.0968
#1	-.0034	.0540	-.0022	.0005	.0013	.0099	-.0006	.0118	122.1
#2	-.0038	.0544	-.0007	.0031	.0024	.0096	.0014	.0131	122.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**28.63**	**41.80**	**19.17**	**265.3**	**.0719**	**-.0016**	**-.0055**	**5.662**	**-.0009**
Stddev	.06	.07	.02	.2	.0007	.0001	.0005	.000	.0005
%RSD	.2034	.1759	.0917	.0871	.9768	8.794	9.087	.0021	57.20
#1	28.59	41.75	19.16	265.1	.0714	-.0015	-.0059	5.662	-.0013
#2	28.68	41.86	19.18	265.4	.0724	-.0017	-.0052	5.662	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6574**	**.0005**	**-.0389**	**-.0019**	**5.215**	**.0007**	**.0090**
Stddev	.0005	.0000	.0002	.0000	.001	.0005	.0007
%RSD	.0708	6.602	.4806	.1314	.0203	64.46	7.444
#1	.6570	.0005	-.0390	-.0019	5.214	.0004	.0095
#2	.6577	.0005	-.0387	-.0019	5.216	.0010	.0086

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95309.**	**12655.**	**1970.6**	**5859.7**
Stddev	200.	20.	1.1	2.1
%RSD	.20972	.15979	.05503	.03618
#1	95168.	12669.	1969.8	5861.2
#2	95451.	12640.	1971.4	5858.2

Zoom In Zoom Out

Sample Name: jb68453-5 Acquired: 6/12/2014 21:32:30 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2524**	**.0001**	**.0005**	**.0081**	**.0009**	**.0008**	**6.230**	**.0006**	**.0005**
Stddev	.0002	.0000	.0001	.0002	.0001	.0000	.002	.0001	.0004
%RSD	.0968	9.696	22.04	2.365	9.074	2.459	.0358	14.91	80.94
#1	.2526	.0001	.0004	.0082	.0008	.0007	6.232	.0005	.0002
#2	.2522	.0001	.0005	.0079	.0010	.0008	6.229	.0006	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0026**	**.0017**	**-.0018**	**.0001**	**.0013**	**.0089**	**.0006**	**-.0009**	**91.21**
Stddev	.0001	.0001	.0004	.0013	.0004	.0018	.0005	.0038	.13
%RSD	4.319	7.269	22.29	1141.	29.44	20.02	81.41	396.5	.1445
#1	-.0027	.0016	-.0015	.0010	.0016	.0102	.0003	-.0036	91.12
#2	-.0025	.0018	-.0021	-.0008	.0010	.0077	.0010	.0017	91.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**16.21**	**33.30**	**16.13**	**224.9**	**.0627**	**-.0004**	**-.0035**	**5.509**	**.0003**
Stddev	.01	.18	.02	.5	.0007	.0001	.0002	.003	.0002
%RSD	.0395	.5362	.1459	.2209	1.082	33.58	5.893	.0461	78.11
#1	16.20	33.17	16.11	225.2	.0623	-.0003	-.0034	5.507	.0004
#2	16.21	33.43	16.15	224.5	.0632	-.0005	-.0037	5.511	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4661**	**.0010**	**-.0408**	**-.0012**	**12.04**	**.0004**	**.0092**
Stddev	.0007	.0000	.0010	.0001	.02	.0009	.0002
%RSD	.1455	4.639	2.547	4.416	.1728	243.8	2.030
#1	.4666	.0010	-.0416	-.0013	12.02	.0010	.0091
#2	.4656	.0010	-.0401	-.0012	12.05	-.0003	.0094

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96850.**	**12726.**	**1999.2**	**5963.1**
Stddev	42.	71.	.4	1.7
%RSD	.04359	.55677	.01936	.02781
#1	96820.	12777.	1999.5	5964.3
#2	96880.	12676.	1998.9	5961.9

Zoom In Zoom Out

Sample Name: jb68569-1 Acquired: 6/12/2014 21:38:56 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th 943

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0160**	**.0001**	**.0003**	**-.0002**	**.0371**	**.0009**	**.0998**	**.0008**	**-.0003**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.0002	.0005	.0001
%RSD	.7917	32.27	.0263	60.99	.1480	5.991	.2369	55.26	24.78
#1	.0161	.0002	.0003	-.0003	.0372	.0009	.0997	.0012	-.0002
#2	.0159	.0001	.0003	-.0001	.0371	.0008	.1000	.0005	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0005**	**.0048**	**-.0028**	**.0022**	**.0055**	**.0015**	**.2459**	**25.57**
Stddev	.0002	.0002	.0003	.0019	.0000	.0010	.0007	.0038	.04
%RSD	8.667	34.56	7.117	69.47	1.663	18.90	46.18	1.549	.1437
#1	.0018	.0006	.0046	-.0014	.0021	.0048	.0020	.2432	25.60
#2	.0020	.0004	.0051	-.0042	.0022	.0063	.0010	.2486	25.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2413**	**5.021**	**13.07**	**115.1**	**.9959**	**.0489**	**-.0013**	**2.245**	**.0009**
Stddev	.0051	.015	.02	.1	.0023	.0001	.0011	.003	.0000
%RSD	2.126	.2885	.1839	.0760	.2308	.1849	87.02	.1220	3.287
#1	.2377	5.031	13.08	115.1	.9943	.0489	-.0005	2.243	.0009
#2	.2449	5.011	13.05	115.0	.9975	.0490	-.0021	2.247	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1077**	**.0017**	**-.0122**	**.0086**	**55.25**	**-.0011**	**.0019**
Stddev	.0001	.0000	.0006	.0002	.18	.0003	.0000
%RSD	.0629	.2665	4.843	2.772	.3250	26.06	1.881
#1	.1077	.0017	-.0117	.0088	55.38	-.0013	.0019
#2	.1076	.0017	-.0126	.0085	55.13	-.0009	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101000.**	**12980.**	**2094.9**	**6368.4**
Stddev	242.	.	.9	.0
%RSD	.23940	.00219	.04299	.00027
#1	101180.	12980.	2095.5	6368.4
#2	100830.	12980.	2094.3	6368.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 21:45:10 Type: QC
Method: Accutest1(v149) 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	**2.015**	**2.037**	**2.006**	**2.004**	**2.030**	**1.956**	**2.077**	**2.054**	**.2525**
Stddev	.004	.003	.002	.003	.005	.003	.001	.003	.0015
%RSD	.1809	.1347	.0773	.1403	.2629	.1385	.0392	.1220	.5844
#1	2.012	2.035	2.005	2.002	2.027	1.957	2.077	2.053	.2514
#2	2.017	2.039	2.008	2.006	2.034	1.954	2.078	2.056	.2535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.062**	**2.004**	**2.057**	**2.077**	**2.030**	**2.001**	**40.21**	**41.15**
Stddev	.001	.001	.004	.008	.003	.001	.007	.02	.03
%RSD	.0505	.0222	.2008	.3814	.1498	.0450	.3661	.0612	.0656
#1	2.016	2.062	2.001	2.051	2.075	2.030	1.996	40.23	41.13
#2	2.017	2.062	2.006	2.062	2.079	2.031	2.006	40.19	41.17
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	**40.85**	**41.69**	**40.72**	**41.51**	**2.013**	**2.009**	**1.969**	**5.042**	**2.068**
Stddev	.02	.13	.03	.01	.003	.004	.003	.011	.000
%RSD	.0575	.3084	.0742	.0154	.1425	.2035	.1505	.2157	.0145
#1	40.83	41.59	40.70	41.51	2.011	2.006	1.971	5.034	2.068
#2	40.86	41.78	40.74	41.51	2.015	2.012	1.967	5.049	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 21:45:10 Type: QC
Method: Accutest1(v149) 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	**2.025**	**2.022**	F **1.566**	**2.062**	**1.970**	**2.028**	**2.040**
Stddev	.002	.002	.021	.001	.002	.003	.002
%RSD	.0897	.1084	1.325	.0229	.1177	.1501	.0719
#1	2.024	2.020	1.551	2.061	1.969	2.026	2.039
#2	2.026	2.023	1.581	2.062	1.972	2.031	2.041
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100670.**	**12666.**	**2084.5**	**6326.1**
Stddev	104.	20.	2.1	5.1
%RSD	.10336	.16148	.09980	.08135
#1	100590.	12680.	2086.0	6329.7
#2	100740.	12651.	2083.0	6322.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 21:51:14 Type: QC
Method: Accutest1(v149) 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**	**.0005**	**.0004**	**.0005**	**-.0004**	**.0005**	**.0005**
Stddev	.0001	.0000	.0001	.0000	.0004	.0001	.0000	.0001
%RSD	30.96	3.367	12.03	6.108	96.79	17.19	2.871	18.86
#1	.0005	.0004	.0006	.0004	.0001	-.0004	.0005	.0006
#2	.0003	.0005	.0005	.0004	.0008	-.0005	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0004**	**-.0004**	**.0004**	**-.0003**	**.0020**	**.0010**
Stddev	.0002	.0001	.0002	.0005	.0010	.0007	.0011	.0003
%RSD	131.1	25.60	46.89	122.6	264.5	216.8	53.05	30.28
#1	.0003	.0003	.0005	-.0001	-.0003	-.0008	.0028	.0008
#2	.0000	.0005	.0002	-.0008	.0011	.0002	.0013	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0075**	**.0060**	F **.0105**	**.0128**	**.0409**	**.0343**	**.0010**	**.0003**
Stddev	.0035	.0024	.0021	.0035	.0124	.0060	.0000	.0003
%RSD	47.02	40.04	20.34	27.01	30.43	17.35	1.136	83.80
#1	.0099	.0043	.0090	.0104	.0497	.0386	.0010	.0005
#2	.0050	.0076	.0120	.0153	.0321	.0301	.0010	.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: 6/12/2014 21:51:14 Type: QC
Method: Accutest1(v149) 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**	**.0016**	**.0005**	**.0004**	**.0004**	F **-.0184**	**-.0001**	**-.0004**
Stddev	.0005	.0007	.0002	.0001	.0001	.0018	.0001	.0017
%RSD	487.0	44.73	41.06	17.95	23.53	9.911	102.9	457.6
#1	-.0005	.0011	.0006	.0005	.0005	-.0172	.0000	.0008
#2	.0003	.0021	.0003	.0004	.0004	-.0197	-.0002	-.0016
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**	**.0011**
Stddev	.0004	.0006
%RSD	80.88	57.29
#1	.0007	.0015
#2	.0002	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106260.**	**12926.**	**2182.1**	**7030.6**
Stddev	95.	20.	5.7	6.9
%RSD	.08923	.15146	.25980	.09783
#1	106190.	12912.	2186.1	7035.5
#2	106320.	12940.	2178.1	7025.8

Zoom In Zoom Out

Sample Name: mp79946-mb1conf Acquired: 6/12/2014 21:57:32 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0002**	**-.0001**	**.0002**	**-.0004**	**.0002**	**.0003**	**-.0001**
Stddev	.0002	.000	.0001	.0000	.0001	.0002	.0000	.0000	.0006
%RSD	107.4	266.9	25.32	15.50	32.54	45.01	17.82	4.657	582.3
#1	.0000	.0000	.0002	-.0001	.0003	-.0003	.0002	.0003	-.0005
#2	.0003	-.0001	.0003	-.0001	.0002	-.0006	.0002	.0003	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0026**	**-.0014**	**.0001**	**.0005**	**.0022**	**.0004**	**.0111**	**.0182**
Stddev	.0001	.0003	.0005	.0010	.0007	.0004	.0017	.0019	.0033
%RSD	187.4	11.86	37.97	1028.	139.2	17.50	399.9	16.81	17.90
#1	.0000	.0024	-.0010	-.0006	.0000	.0019	.0016	.0098	.0205
#2	.0001	.0028	-.0018	.0008	.0009	.0024	-.0008	.0124	.0159

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**-.0085**	**.0094**	**.0150**	**-.0004**	**-.0014**	**.0002**	**.0282**	**.0061**
Stddev	.0006	.0307	.0193	.0047	.0003	.0000	.0003	.0000	.0004
%RSD	9.204	359.8	205.1	31.27	84.06	.6695	144.2	.1707	6.002
#1	.0067	.0132	-.0042	.0183	-.0002	-.0015	.0000	.0282	.0064
#2	.0059	-.0303	.0231	.0117	-.0006	-.0014	.0004	.0282	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0005**	**-.0302**	**-.0008**	**.0079**	**-.0005**	**-.0001**
Stddev	.0000	.0000	.0008	.0001	.0012	.0004	.0012
%RSD	.8287	1.646	2.502	10.71	14.69	83.50	1837.
#1	-.0001	.0005	-.0296	-.0007	.0087	-.0002	.0008
#2	-.0001	.0005	-.0307	-.0008	.0071	-.0008	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107480.**	**13003.**	**2183.1**	**7081.3**
Stddev	121.	15.	2.1	.8
%RSD	.11273	.11413	.09776	.01097
#1	107400.	12993.	2184.6	7080.8
#2	107570.	13014.	2181.6	7081.9

Zoom In Zoom Out

Sample Name: jb68458-1 2 Acquired: 6/12/2014 22:03:49 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2979**	**.0070**	**.0018**	**.0745**	**.2574**	**.0933**	**1.907**	**.2246**	**.0008**
Stddev	.0004	.0001	.0002	.0003	.0012	.0003	.007	.0003	.0002
%RSD	.1272	.9526	9.579	.4261	.4676	.3635	.3710	.1141	19.55
#1	.2981	.0070	.0019	.0743	.2583	.0935	1.912	.2248	.0009
#2	.2976	.0069	.0016	.0747	.2566	.0931	1.902	.2244	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4553**	**.5077**	**.0326**	**-.0057**	**.1285**	**.0064**	**.0034**	**154.4**	**27.42**
Stddev	.0016	.0003	.0012	.0009	.0011	.0021	.0012	.1	.04
%RSD	.3544	.0620	3.715	15.87	.8676	33.16	35.62	.0396	.1537
#1	.4565	.5075	.0317	-.0051	.1277	.0079	.0043	154.3	27.39
#2	.4542	.5079	.0335	-.0064	.1293	.0049	.0026	154.4	27.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**193.7**	**61.85**	**33.50**	**21.09**	**.2715**	**.0951**	**-.0181**	**2.677**	**.0181**
Stddev	.0	.17	.03	.03	.0003	.0004	.0002	.008	.0006
%RSD	.0064	.2816	.0890	.1399	.1237	.3727	1.213	.2967	3.290
#1	193.7	61.72	33.48	21.07	.2717	.0954	-.0182	2.683	.0177
#2	193.7	61.97	33.52	21.11	.2712	.0949	-.0179	2.672	.0186

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2974**	**2.644**	**-.0159**	**.0981**	**108.7**	**-.0056**	**.3977**
Stddev	.0005	.006	.0013	.0008	.5	.0000	.0017
%RSD	.1717	.2441	7.997	.8576	.4330	.0317	.4280
#1	.2977	2.648	-.0168	.0987	109.0	-.0056	.3965
#2	.2970	2.639	-.0150	.0976	108.4	-.0056	.3989

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107000.**	**13620.**	**2223.9**	**6394.0**
Stddev	204.	46.	5.2	6.0
%RSD	.19067	.33760	.23576	.09321
#1	106850.	13652.	2220.2	6389.8
#2	107140.	13587.	2227.6	6398.2

Zoom In Zoom Out

Sample Name: jb68458-2 Acquired: 6/12/2014 22:09:53 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3805**	**.0059**	**.0023**	**.0668**	**.3076**	**.2439**	**2.604**	**.2327**	**-.0006**
Stddev	.0000	.0001	.0005	.0004	.0017	.0002	.010	.0006	.0003
%RSD	.0064	.9664	23.66	.6213	.5432	.0926	.3880	.2453	46.92
#1	.3805	.0058	.0019	.0665	.3064	.2441	2.597	.2323	-.0004
#2	.3805	.0059	.0027	.0671	.3088	.2438	2.611	.2331	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3763**	**.6254**	**.0918**	**-.0014**	**.5980**	**.0057**	**.0068**	**163.3**	**35.73**
Stddev	.0011	.0252	.0011	.0027	.0031	.0001	.0004	.1	.11
%RSD	.2953	4.033	1.163	188.4	.5241	2.356	6.335	.0584	.3155
#1	.3755	.6075	.0911	.0005	.5958	.0058	.0071	163.4	35.65
#2	.3771	.6432	.0926	-.0033	.6003	.0056	.0065	163.2	35.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**401.8**	**61.02**	**32.61**	**8.199**	**.2160**	**-.0047**	**-.0258**	**10.70**	**.0361**
Stddev	.5	.19	.01	.004	.0003	.0001	.0004	.02	.0010
%RSD	.1322	.3128	.0218	.0436	.1339	2.179	1.673	.2265	2.825
#1	401.4	60.89	32.61	8.201	.2162	-.0046	-.0255	10.72	.0369
#2	402.1	61.16	32.62	8.196	.2158	-.0048	-.0261	10.69	.0354

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3738**	**3.810**	**-.0016**	**.0979**	**13.24**	**-.0011**	**.3426**
Stddev	.0014	.008	.0015	.0002	.01	.0008	.0002
%RSD	.3682	.2136	96.89	.2122	.1089	68.44	.0643
#1	.3729	3.804	-.0005	.0978	13.25	-.0017	.3425
#2	.3748	3.815	-.0026	.0981	13.23	-.0006	.3428

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102670.**	**13132.**	**2124.1**	**6565.7**
Stddev	268.	19.	3.6	1.1
%RSD	.26144	.14187	.16788	.01684
#1	102860.	13145.	2121.6	6565.0
#2	102480.	13119.	2126.6	6566.5

Zoom In Zoom Out

Sample Name: jb68458-2 Acquired: 6/12/2014 22:15:57 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3877**	**.0059**	**.0025**	**.0699**	**.3193**	**.2482**	**2.742**	**.2438**	**.0019**
Stddev	.0003	.0001	.0006	.0004	.0000	.0008	.004	.0001	.0004
%RSD	.0849	.9746	23.23	.5718	.0084	.3387	.1452	.0556	20.45
#1	.3879	.0059	.0029	.0702	.3192	.2476	2.739	.2439	.0022
#2	.3875	.0058	.0021	.0696	.3193	.2488	2.745	.2437	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3921**	**.6368**	**.0949**	**.0003**	**.6337**	**.0102**	**.0048**	**166.5**	**36.58**
Stddev	.0009	.0006	.0004	.0014	.0007	.0001	.0004	.4	.11
%RSD	.2361	.0905	.4703	507.9	.1100	.6548	7.895	.2580	.3032
#1	.3915	.6372	.0945	-.0007	.6332	.0102	.0046	166.2	36.66
#2	.3928	.6364	.0952	.0012	.6342	.0101	.0051	166.8	36.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**427.5**	**62.68**	**33.22**	**8.385**	**.2203**	**-.0066**	**-.0260**	**10.98**	**.0371**
Stddev	.6	.36	.08	.016	.0010	.0003	.0004	.00	.0003
%RSD	.1333	.5719	.2293	.1961	.4609	3.834	1.511	.0096	.8192
#1	428.0	62.93	33.16	8.373	.2210	-.0068	-.0257	10.98	.0369
#2	427.1	62.42	33.27	8.397	.2196	-.0065	-.0263	10.98	.0374

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3792**	**3.933**	**-.0378**	**.1000**	**13.59**	**-.0033**	**.3480**
Stddev	.0008	.004	.0001	.0002	.02	.0007	.0003
%RSD	.2075	.0961	.3211	.2005	.1244	22.86	.0730
#1	.3798	3.931	-.0379	.0999	13.58	-.0038	.3478
#2	.3787	3.936	-.0377	.1002	13.60	-.0027	.3481

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103140.**	**13021.**	**2149.2**	**6637.6**
Stddev	68.	13.	.3	4.5
%RSD	.06548	.10233	.01622	.06734
#1	103180.	13030.	2148.9	6634.5
#2	103090.	13011.	2149.4	6640.8

Zoom In Zoom Out

Sample Name: jb68458-5 Acquired: 6/12/2014 22:22:03 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3407**	**.0096**	**.0027**	**.1062**	**.3045**	**.1267**	**3.589**	**.2728**	**-.0003**
Stddev	.0005	.0000	.0000	.0004	.0006	.0005	.001	.0008	.0000
%RSD	.1506	.2839	1.245	.3428	.1980	.4007	.0331	.2899	9.760
#1	.3410	.0096	.0027	.1059	.3041	.1263	3.588	.2723	-.0004
#2	.3403	.0095	.0027	.1064	.3049	.1270	3.590	.2734	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3881**	**.7326**	**.1022**	**-.0093**	**.1469**	**.0013**	**.0060**	**171.0**	**20.96**
Stddev	.0015	.0002	.0020	.0009	.0008	.0010	.0006	.1	.03
%RSD	.3824	.0239	2.005	10.18	.5323	71.83	10.31	.0526	.1634
#1	.3892	.7328	.1007	-.0100	.1475	.0020	.0065	171.1	20.94
#2	.3871	.7325	.1036	-.0086	.1464	.0007	.0056	171.0	20.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**318.2**	**74.44**	**37.10**	**24.06**	**.2305**	**.0332**	**-.0250**	**3.784**	**.0194**
Stddev	.5	.04	.03	.03	.0007	.0004	.0000	.013	.0001
%RSD	.1592	.0551	.0844	.1135	.2974	1.232	.0930	.3478	.5250
#1	317.8	74.41	37.13	24.08	.2300	.0335	-.0250	3.774	.0193
#2	318.5	74.47	37.08	24.04	.2309	.0329	-.0250	3.793	.0194

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2430**	**3.309**	**-.0097**	**.1272**	**171.2**	**-.0032**	**.3643**
Stddev	.0002	.000	.0004	.0001	.4	.0008	.0006
%RSD	.0990	.0043	4.020	.0444	.2208	25.55	.1547
#1	.2428	3.309	-.0094	.1272	171.0	-.0026	.3647
#2	.2431	3.309	-.0100	.1271	171.5	-.0037	.3639

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107680.**	**13796.**	**2237.9**	**6498.0**
Stddev	44.	15.	2.5	1.1
%RSD	.04057	.11052	.11372	.01633
#1	107710.	13806.	2239.7	6497.2
#2	107650.	13785.	2236.1	6498.7

Zoom In Zoom Out

Sample Name: jb68458-5 Acquired: 6/12/2014 22:28:08 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3545**	**.0099**	**.0026**	**.1102**	**.3237**	**.1310**	**3.844**	**.2854**	**.0019**
Stddev	.0001	.0002	.0007	.0001	.0012	.0008	.003	.0005	.0002
%RSD	.0306	1.657	27.93	.1162	.3764	.6008	.0847	.1601	7.936
#1	.3546	.0098	.0031	.1103	.3229	.1316	3.842	.2851	.0018
#2	.3544	.0100	.0021	.1101	.3246	.1304	3.847	.2857	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4088**	**.7854**	**.1055**	**-.0061**	**.1543**	**.0051**	**.0055**	**177.7**	**22.02**
Stddev	.0003	.0005	.0011	.0057	.0024	.0002	.0031	.1	.05
%RSD	.0673	.0603	1.028	93.26	1.567	2.973	56.63	.0304	.2394
#1	.4086	.7851	.1047	-.0021	.1526	.0050	.0077	177.8	21.99
#2	.4090	.7858	.1063	-.0101	.1560	.0052	.0033	177.7	22.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**343.3**	**77.55**	**38.48**	**24.93**	**.2413**	**.0323**	**-.0264**	**4.040**	**.0197**
Stddev	.4	.35	.07	.01	.0007	.0002	.0009	.011	.0001
%RSD	.1051	.4497	.1744	.0592	.2970	.5362	3.424	.2680	.4243
#1	343.1	77.31	38.43	24.94	.2408	.0325	-.0258	4.047	.0196
#2	343.6	77.80	38.52	24.92	.2418	.0322	-.0271	4.032	.0197

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2528**	**3.479**	**-.0464**	**.1312**	**182.7**	**-.0031**	**.3755**
Stddev	.0006	.001	.0017	.0001	.1	.0010	.0025
%RSD	.2272	.0174	3.688	.0422	.0326	30.74	.6624
#1	.2524	3.479	-.0452	.1312	182.7	-.0024	.3772
#2	.2532	3.479	-.0476	.1313	182.6	-.0038	.3737

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106500.**	**13351.**	**2209.8**	**6592.4**
Stddev	53.	19.	2.0	1.8
%RSD	.04937	.14146	.09246	.02682
#1	106460.	13364.	2208.4	6591.2
#2	106530.	13338.	2211.3	6593.7

Zoom In Zoom Out

Sample Name: jb68458-6 Acquired: 6/12/2014 22:34:16 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3548**	**.0100**	**.0026**	**.1081**	**.3215**	**.1329**	**3.561**	**.2782**	**.0000**
Stddev	.0000	.0000	.0003	.0008	.0000	.0008	.004	.0005	.0004
%RSD	.0042	.3598	11.59	.7522	.0045	.5866	.0975	.1930	4640.
#1	.3549	.0100	.0024	.1075	.3215	.1324	3.559	.2778	-.0002
#2	.3548	.0100	.0029	.1087	.3215	.1335	3.564	.2786	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4113**	**.8397**	**.1158**	**-.0086**	**.1530**	**.0003**	**.0073**	**176.6**	**22.34**
Stddev	.0006	.0005	.0007	.0027	.0010	.0004	.0031	.1	.05
%RSD	.1378	.0559	.6456	31.66	.6429	105.2	42.41	.0710	.2384
#1	.4109	.8394	.1153	-.0106	.1537	.0006	.0051	176.7	22.31
#2	.4117	.8401	.1163	-.0067	.1523	.0001	.0094	176.5	22.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**359.2**	**77.76**	**38.32**	**25.35**	**.2368**	**.0387**	**-.0269**	**4.219**	**.0212**
Stddev	.2	.20	.06	.03	.0003	.0003	.0000	.003	.0002
%RSD	.0446	.2549	.1445	.1176	.1087	.6921	.0554	.0661	.8836
#1	359.1	77.62	38.36	25.37	.2370	.0385	-.0269	4.217	.0213
#2	359.3	77.90	38.28	25.33	.2366	.0388	-.0269	4.221	.0211

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2569**	**3.566**	**-.0092**	**.1401**	**211.0**	**-.0030**	**.3792**
Stddev	.0000	.002	.0007	.0003	.4	.0004	.0005
%RSD	.0177	.0469	7.449	.2283	.2115	14.17	.1435
#1	.2570	3.565	-.0097	.1399	210.7	-.0027	.3795
#2	.2569	3.568	-.0088	.1403	211.3	-.0034	.3788

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108520.**	**13825.**	**2238.2**	**6514.8**
Stddev	262.	17.	2.7	3.3
%RSD	.24161	.11993	.12139	.05067
#1	108710.	13837.	2240.1	6517.1
#2	108340.	13814.	2236.2	6512.5

Zoom In Zoom Out

Sample Name: jb68458-6 Acquired: 6/12/2014 22:40:21 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 18th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3696**	**.0105**	**.0028**	**.1129**	**.3396**	**.1368**	**3.829**	**.2918**	**.0008**
Stddev	.0016	.0000	.0000	.0003	.0020	.0007	.002	.0004	.0001
%RSD	.4278	.4099	.8895	.2609	.5794	.5482	.0556	.1408	8.836
#1	.3685	.0105	.0028	.1127	.3382	.1363	3.830	.2920	.0008
#2	.3707	.0105	.0028	.1131	.3410	.1373	3.827	.2915	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4348**	**.8992**	**.1206**	**-.0055**	**.1620**	**.0054**	**.0075**	**183.9**	**23.49**
Stddev	.0010	.0033	.0005	.0018	.0014	.0060	.0009	.3	.08
%RSD	.2331	.3698	.4190	33.41	.8472	112.4	11.79	.1463	.3281
#1	.4355	.9016	.1203	-.0042	.1630	.0011	.0069	183.8	23.43
#2	.4341	.8969	.1210	-.0068	.1610	.0096	.0081	184.1	23.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**388.9**	**81.48**	**39.96**	**26.36**	**.2494**	**.0388**	**-.0292**	**4.414**	**.0217**
Stddev	1.2	.15	.09	.07	.0000	.0001	.0011	.003	.0031
%RSD	.3006	.1882	.2156	.2769	.0153	.3487	3.849	.0769	14.52
#1	388.1	81.37	39.90	26.31	.2494	.0387	-.0300	4.416	.0194
#2	389.8	81.59	40.03	26.41	.2495	.0389	-.0284	4.411	.0239

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2665**	**3.749**	**-.0480**	**.1448**	**225.2**	**-.0039**	**.3885**
Stddev	.0007	.002	.0005	.0003	.3	.0001	.0001
%RSD	.2480	.0614	.9712	.2072	.1498	2.668	.0217
#1	.2660	3.751	-.0477	.1450	225.5	-.0040	.3884
#2	.2670	3.748	-.0483	.1446	225.0	-.0039	.3885

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106850.**	**13284.**	**2214.7**	**6614.7**
Stddev	40.	49.	.2	6.1
%RSD	.03778	.36697	.00732	.09232
#1	106820.	13318.	2214.8	6619.1
#2	106880.	13249.	2214.6	6610.4

Zoom In Zoom Out

Sample Name: mp79986-mb1 2 Acquired: 6/12/2014 22:46:28 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0002**	**.0001**	**.0000**	**.0002**	**.0000**	**.0000**	**-.0003**	**-.0002**
Stddev	.0000	.0000	.0001	.0000	.0003	.000	.000	.0001	.0001
%RSD	2.482	13.94	94.92	61.42	105.8	1182.	21.09	36.84	31.33
#1	.0002	-.0001	.0000	.0001	.0004	-.0001	.0000	-.0002	-.0002
#2	.0002	-.0002	.0002	.0000	.0001	.0001	.0000	-.0004	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0008**	**-.0017**	**-.0001**	**.0001**	**.0024**	**.0015**	**.0061**	**.0002**
Stddev	.000	.0001	.0005	.0008	.0001	.0010	.0000	.0038	.0008
%RSD	247.5	13.23	32.63	1046.	87.09	42.56	.9617	62.41	357.9
#1	-.0001	.0009	-.0020	-.0006	.0000	.0017	.0015	.0088	-.0003
#2	.0000	.0007	-.0013	.0005	.0002	.0032	.0014	.0034	.0008

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**-.0032**	**.0388**	**.0043**	**-.0001**	**-.0020**	**-.0005**	**.0735**	**-.0001**
Stddev	.0001	.0251	.0110	.0080	.0006	.0000	.0004	.0000	.0007
%RSD	2.126	781.1	28.41	186.1	449.2	2.230	79.07	.0595	578.8
#1	.0052	-.0210	.0465	.0099	-.0006	-.0020	-.0008	.0735	-.0006
#2	.0053	.0146	.0310	-.0014	.0003	-.0019	-.0002	.0735	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0364**	**-.0013**	**.0059**	**-.0007**	**.0010**
Stddev	.0000	.0000	.0001	.0002	.0028	.0005	.0004
%RSD	17.62	47.51	.1961	12.14	46.79	61.19	35.83
#1	-.0001	.0000	-.0364	-.0014	.0039	-.0004	.0007
#2	-.0001	.0001	-.0363	-.0012	.0078	-.0011	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106790.**	**12894.**	**2183.1**	**7066.7**
Stddev	22.	17.	11.5	41.0
%RSD	.02053	.13294	.52543	.58016
#1	106780.	12906.	2175.0	7037.7
#2	106810.	12882.	2191.2	7095.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/12/2014 22:52:47 Type: QC
Method: Accutest1(v149) 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	**2.013**	**2.041**	**2.013**	**2.008**	**2.034**	**1.951**	**2.086**	**2.066**	**.2531**
Stddev	.002	.001	.003	.004	.004	.004	.005	.004	.0006
%RSD	.0826	.0289	.1314	.2000	.1910	.1981	.2401	.2042	.2343
#1	2.015	2.041	2.011	2.006	2.037	1.954	2.090	2.063	.2527
#2	2.012	2.042	2.015	2.011	2.031	1.949	2.083	2.069	.2535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.076**	**2.023**	**2.087**	**2.093**	**2.044**	**2.011**	**40.24**	**41.43**
Stddev	.002	.003	.004	.010	.001	.001	.004	.09	.09
%RSD	.1051	.1366	.1866	.4725	.0513	.0528	.1825	.2117	.2086
#1	2.018	2.074	2.021	2.094	2.093	2.045	2.009	40.30	41.37
#2	2.015	2.078	2.026	2.080	2.094	2.044	2.014	40.18	41.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.09**	**41.99**	**40.79**	**41.70**	**2.022**	**2.020**	**1.961**	**5.094**	**2.087**
Stddev	.07	.10	.08	.05	.004	.005	.003	.007	.004
%RSD	.1620	.2362	.1857	.1185	.2242	.2383	.1482	.1439	.1680
#1	41.05	41.92	40.84	41.74	2.018	2.017	1.963	5.089	2.085
#2	41.14	42.06	40.74	41.67	2.025	2.024	1.959	5.099	2.090
Check ?	Chk Pass	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: 6/12/2014 22:52:47 Type: QC
Method: Accutest1(v149) 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	**2.036**	**2.027**	F **1.641**	**2.072**	**2.002**	**2.041**	**2.045**
Stddev	.003	.003	.028	.002	.010	.003	.002
%RSD	.1504	.1485	1.678	.0919	.4944	.1668	.1130
#1	2.034	2.029	1.622	2.073	2.009	2.039	2.044
#2	2.038	2.025	1.661	2.071	1.995	2.043	2.047
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100700.**	**12549.**	**2076.7**	**6307.3**
Stddev	337.	11.	2.5	6.3
%RSD	.33468	.08894	.11909	.10012
#1	100470.	12557.	2078.4	6311.8
#2	100940.	12541.	2074.9	6302.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 22:58:50 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0005**	**.0005**	**.0005**	**.0007**	**-.0001**	**.0006**	**.0004**	**.0000**
Stddev	.0000	.0001	.0000	.0002	.0001	.0000	.0001	.0000	.0002
%RSD	.5610	22.32	8.152	31.33	20.14	30.37	13.80	5.077	992.3
#1	.0008	.0004	.0005	.0007	.0008	-.0002	.0006	.0004	-.0001
#2	.0008	.0006	.0005	.0004	.0006	-.0001	.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	**.0006**	**.0004**	**-.0007**	**-.0009**	**.0003**	**.0014**	**.0007**	**.0081**	**.0035**
Stddev	.0001	.0003	.0004	.0005	.0013	.0004	.0000	.0011	.0010
%RSD	19.05	65.10	54.23	51.31	530.1	29.97	.0085	13.28	27.57
#1	.0006	.0006	-.0004	-.0012	-.0007	.0011	.0007	.0073	.0028
#2	.0005	.0002	-.0009	-.0006	.0012	.0016	.0007	.0088	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0105**	**.0113**	**.0473**	**.0182**	**.0010**	**.0007**	**.0002**	**.0007**	**-.0003**
Stddev	.0032	.0191	.0275	.0023	.0004	.0005	.0014	.0011	.0007
%RSD	30.23	168.7	58.05	12.78	40.84	64.15	898.0	161.0	225.1
#1	.0082	.0249	.0279	.0165	.0007	.0011	-.0009	.0014	.0002
#2	.0127	-.0022	.0667	.0198	.0013	.0004	.0012	-.0001	-.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/12/2014 22:58:50 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**-.0066**	**.0006**	**-.0009**	**.0007**	**.0015**
Stddev	.0000	.0002	.0028	.0002	.0020	.0000	.0014
%RSD	6.077	29.49	42.04	35.29	228.4	4.780	96.06
#1	.0005	.0009	-.0047	.0008	.0005	.0007	.0005
#2	.0006	.0006	-.0086	.0005	-.0023	.0007	.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	**108400.**	**12862.**	**2188.0**	**7065.0**
Stddev	93.	23.	5.0	13.0
%RSD	.08568	.17736	.22909	.18419
#1	108340.	12878.	2191.5	7074.2
#2	108470.	12846.	2184.4	7055.8

Zoom In Zoom Out

Sample Name: mp79986-lc1 Acquired: 6/12/2014 23:05:07 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5013**	**.4975**	**.4817**	**.4683**	**.4940**	**.4567**	**.5117**	**.4946**	**.2025**
Stddev	.0005	.0006	.0002	.0002	.0004	.0011	.0009	.0001	.0000
%RSD	.0942	.1294	.0358	.0352	.0713	.2501	.1798	.0241	.0197
#1	.5016	.4980	.4815	.4682	.4942	.4559	.5110	.4947	.2025
#2	.5009	.4971	.4818	.4684	.4937	.4575	.5123	.4945	.2025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4706**	**.5115**	**.4961**	**.5225**	**.5057**	**.5121**	**.4771**	**4.928**	**5.637**
Stddev	.0013	.0014	.0008	.0010	.0017	.0007	.0006	.019	.008
%RSD	.2849	.2682	.1577	.1999	.3308	.1429	.1264	.3793	.1425
#1	.4697	.5105	.4956	.5232	.5045	.5126	.4767	4.941	5.643
#2	.4716	.5125	.4967	.5217	.5069	.5116	.4776	4.915	5.632

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.679**	**5.627**	**10.17**	**10.32**	**.0020**	**.4843**	**-.0018**	**-.0517**	**.0001**
Stddev	.007	.001	.01	.02	.0007	.0014	.0002	.0004	.0001
%RSD	.1271	.0245	.0976	.2040	33.15	.2797	13.32	.8331	129.5
#1	5.684	5.628	10.18	10.33	.0025	.4833	-.0017	-.0514	.0001
#2	5.673	5.626	10.17	10.30	.0016	.4852	-.0020	-.0520	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4974**	**-.0019**	**.0063**	**.0016**	**-.0011**	**.0013**
Stddev	.0000	.0002	.0009	.0006	.0005	.0005	.0005
%RSD	11.47	.0454	48.62	10.06	29.37	46.90	36.74
#1	-.0002	.4976	-.0013	.0068	.0019	-.0015	.0017
#2	-.0002	.4973	-.0026	.0059	.0013	-.0008	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106360.**	**12977.**	**2155.4**	**6803.1**
Stddev	76.	40.	.5	5.3
%RSD	.07142	.30790	.02405	.07805
#1	106410.	12949.	2155.0	6799.4
#2	106310.	13006.	2155.7	6806.9

Zoom In Zoom Out

Sample Name: mp79986-s1 Acquired: 6/12/2014 23:11:12 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.786**	**.0533**	**.0504**	**.5039**	**.2173**	**.2503**	**4.320**	**.5501**	**.0553**
Stddev	.015	.0003	.0007	.0118	.0015	.0024	.023	.0104	.0004
%RSD	.5376	.6411	1.374	2.342	.7109	.9664	.5409	1.894	.7099
#1	2.797	.0536	.0509	.5123	.2184	.2520	4.336	.5575	.0556
#2	2.775	.0531	.0500	.4956	.2162	.2486	4.303	.5427	.0551

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4984**	**.5257**	**2.175**	**2.115**	**.5324**	**2.241**	**.5176**	**2.073**	**129.2**
Stddev	.0049	.0099	.047	.051	.0101	.053	.0108	.039	1.1
%RSD	.9915	1.877	2.138	2.404	1.898	2.359	2.083	1.878	.8715
#1	.5019	.5327	2.208	2.151	.5395	2.278	.5252	2.101	130.0
#2	.4950	.5187	2.143	2.079	.5252	2.204	.5099	2.045	128.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.06**	**50.25**	**32.34**	**202.6**	**.0705**	**.0012**	**-.0053**	**9.357**	**.0011**
Stddev	.07	.49	.16	1.1	.0020	.0001	.0006	.199	.0000
%RSD	.6700	.9740	.4839	.5314	2.828	4.787	12.13	2.124	3.730
#1	11.11	50.60	32.45	203.4	.0719	.0011	-.0048	9.498	.0011
#2	11.00	49.91	32.23	201.8	.0691	.0012	-.0057	9.217	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3855**	**.0013**	**-.0185**	**.0003**	**4.530**	**-.0009**	**.0338**
Stddev	.0016	.0004	.0004	.0000	.108	.0011	.0003
%RSD	.4241	27.99	2.324	7.403	2.372	123.4	.9267
#1	.3866	.0010	-.0182	.0003	4.606	-.0001	.0335
#2	.3843	.0015	-.0188	.0003	4.454	-.0017	.0340

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95928.**	**12463.**	**1994.2**	**5942.1**
Stddev	803.	129.	36.5	105.8
%RSD	.83674	1.0388	1.8280	1.7800
#1	95361.	12371.	1968.5	5867.3
#2	96496.	12554.	2020.0	6016.8

Zoom In Zoom Out

Sample Name: mp79986-s2 Acquired: 6/12/2014 23:17:28 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.720**	**.0521**	**.0504**	**.4995**	**.2129**	**.2431**	**4.202**	**.5459**	**.0540**
Stddev	.000	.0000	.0002	.0014	.0012	.0006	.010	.0001	.0000
%RSD	.0034	.0760	.4574	.2860	.5430	.2607	.2293	.0156	.0567
#1	2.720	.0521	.0503	.4985	.2137	.2436	4.195	.5458	.0540
#2	2.720	.0521	.0506	.5005	.2121	.2427	4.209	.5459	.0540

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4863**	**.5233**	**2.163**	**2.108**	**.5297**	**2.230**	**.5151**	**2.025**	**125.5**
Stddev	.0016	.0006	.003	.015	.0008	.001	.0006	.013	.1
%RSD	.3373	.1162	.1509	.7110	.1579	.0491	.1167	.6179	.0785
#1	.4875	.5229	2.161	2.118	.5303	2.229	.5146	2.034	125.6
#2	.4851	.5237	2.166	2.097	.5292	2.230	.5155	2.016	125.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.74**	**48.88**	**31.62**	**196.8**	**.0701**	**.0010**	**-.0056**	**9.261**	**.0007**
Stddev	.02	.02	.03	.2	.0017	.0001	.0000	.006	.0000
%RSD	.2240	.0376	.0793	.0862	2.452	13.80	.5281	.0672	6.113
#1	10.75	48.89	31.64	196.7	.0689	.0011	-.0056	9.256	.0007
#2	10.72	48.86	31.60	197.0	.0713	.0009	-.0056	9.265	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3742**	**.0012**	**-.0230**	**-.0006**	**4.491**	**-.0004**	**.0342**
Stddev	.0005	.0000	.0001	.0000	.027	.0001	.0003
%RSD	.1245	4.016	.4266	8.413	.5973	11.45	.9411
#1	.3746	.0012	-.0230	-.0005	4.510	-.0005	.0344
#2	.3739	.0012	-.0229	-.0006	4.472	-.0004	.0339

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96897.**	**12573.**	**1981.5**	**5910.8**
Stddev	208.	43.	2.6	2.1
%RSD	.21513	.34505	.13360	.03628
#1	96749.	12542.	1983.3	5912.3
#2	97044.	12603.	1979.6	5909.2

Zoom In Zoom Out

Sample Name: jb68621-2 Acquired: 6/12/2014 23:23:43 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7272**	**.0000**	**.0007**	**.0011**	**.0109**	**.0025**	**3.846**	**.0258**	**-.0002**
Stddev	.0007	.0001	.0000	.0000	.0000	.0002	.007	.0002	.0001
%RSD	.1021	835.9	2.944	4.265	.0445	6.911	.1802	.8114	28.94
#1	.7266	-.0001	.0007	.0010	.0109	.0027	3.851	.0260	-.0002
#2	.7277	.0001	.0007	.0011	.0109	.0024	3.841	.0257	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0010**	**.0060**	**-.0005**	**.0041**	**.0052**	**.0078**	**.0006**	**.0204**	**101.8**
Stddev	.0000	.0001	.0013	.0012	.0000	.0026	.0002	.0037	.1
%RSD	2.325	1.131	241.6	29.75	.1163	33.52	39.14	18.11	.0731
#1	-.0010	.0059	-.0014	.0032	.0052	.0059	.0008	.0230	101.8
#2	-.0010	.0060	.0004	.0049	.0052	.0096	.0005	.0178	101.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.860**	**22.68**	**5.623**	**174.9**	**.0708**	**.0004**	**-.0039**	**9.372**	**.0015**
Stddev	.054	.06	.013	.0	.0008	.0002	.0013	.009	.0002
%RSD	.5468	.2490	.2371	.0021	1.076	60.23	34.28	.0963	11.41
#1	9.898	22.72	5.632	174.9	.0703	.0006	-.0029	9.378	.0014
#2	9.821	22.64	5.613	174.9	.0714	.0002	-.0048	9.365	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3797**	**.0011**	**-.0272**	**-.0015**	**4.534**	**.0001**	**.0340**
Stddev	.0009	.0001	.0006	.0000	.002	.0000	.0005
%RSD	.2405	10.14	2.254	.7978	.0389	31.95	1.538
#1	.3790	.0012	-.0268	-.0015	4.535	.0001	.0344
#2	.3803	.0010	-.0276	-.0015	4.532	.0001	.0337

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97612.**	**12654.**	**2009.4**	**6031.6**
Stddev	119.	53.	.4	4.1
%RSD	.12225	.42217	.01879	.06760
#1	97527.	12617.	2009.1	6034.5
#2	97696.	12692.	2009.7	6028.7

Zoom In Zoom Out

Sample Name: mp79986-sd1 Acquired: 6/12/2014 23:30:00 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7296**	**-.0002**	**.0009**	**-.0021**	**.0143**	**.0037**	**3.970**	**.0260**	**.0003**
Stddev	.0011	.0000	.0007	.0004	.0007	.0024	.004	.0007	.0002
%RSD	.1513	8.822	82.90	17.77	5.020	65.16	.0901	2.745	66.97
#1	.7304	-.0002	.0014	-.0018	.0148	.0054	3.973	.0265	.0005
#2	.7288	-.0002	.0004	-.0023	.0138	.0020	3.968	.0255	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0011**	**.0148**	**-.0034**	**.0081**	**.0079**	**.0258**	**.0031**	**.0358**	**102.8**
Stddev	.0006	.0003	.0001	.0028	.0031	.0020	.0076	.0052	.4
%RSD	59.71	1.817	1.781	34.38	38.84	7.711	240.5	14.50	.4366
#1	-.0006	.0146	-.0033	.0061	.0057	.0272	-.0022	.0395	102.5
#2	-.0015	.0150	-.0034	.0101	.0100	.0244	.0085	.0322	103.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.03**	**23.06**	**5.688**	**177.8**	**.0576**	**-.0050**	**-.0084**	**9.409**	**.0053**
Stddev	.02	.00	.012	.1	.0015	.0003	.0014	.000	.0020
%RSD	.2190	.0067	.2090	.0842	2.558	5.407	16.73	.0018	37.11
#1	10.02	23.06	5.696	177.9	.0586	-.0052	-.0094	9.409	.0067
#2	10.05	23.06	5.680	177.7	.0565	-.0048	-.0074	9.410	.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3799**	**.0000**	**-.1612**	**-.0057**	**4.383**	**-.0038**	**.0332**
Stddev	.0001	.001	.0002	.0002	.007	.0038	.0005
%RSD	.0156	23240.	.1207	2.971	.1535	99.00	1.396
#1	.3799	.0005	-.1611	-.0056	4.378	-.0065	.0329
#2	.3798	-.0005	-.1614	-.0059	4.387	-.0012	.0335

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102980.**	**12672.**	**2112.3**	**6600.3**
Stddev	104.	86.	1.1	3.8
%RSD	.10135	.68234	.05119	.05733
#1	102910.	12733.	2111.5	6603.0
#2	103060.	12611.	2113.0	6597.7

Zoom In Zoom Out

Sample Name: jb68621-1 Acquired: 6/12/2014 23:36:12 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7667**	**.0000**	**.0010**	**.0000**	**.0115**	**.0061**	**4.066**	**.0134**	**-.0003**
Stddev	.0008	.000	.0000	.0004	.0002	.0002	.003	.0000	.0001
%RSD	.1108	.7782	.9666	5613.	2.121	3.331	.0781	.1293	28.47
#1	.7661	.0000	.0010	-.0003	.0117	.0059	4.068	.0134	-.0004
#2	.7673	.0000	.0010	.0003	.0113	.0062	4.063	.0134	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0164**	**-.0006**	**.0028**	**.0109**	**.0101**	**.0001**	**.6702**	**94.95**
Stddev	.0001	.0003	.0008	.0010	.0013	.0003	.0007	.0046	.16
%RSD	38.95	1.879	127.8	36.29	12.21	3.080	526.2	.6842	.1736
#1	.0002	.0162	-.0012	.0021	.0099	.0103	.0006	.6670	94.84
#2	.0003	.0166	-.0001	.0035	.0118	.0099	-.0004	.6735	95.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.53**	**20.67**	**6.068**	**188.6**	**.0603**	**-.0006**	**-.0048**	**10.30**	**.0009**
Stddev	.02	.06	.006	3.8	.0006	.0002	.0001	.02	.0003
%RSD	.0698	.3019	.0936	1.993	.9899	40.11	1.242	.2091	31.34
#1	24.52	20.72	6.064	191.3	.0607	-.0008	-.0047	10.31	.0011
#2	24.54	20.63	6.072	186.0	.0599	-.0004	-.0048	10.28	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3487**	**.0186**	**-.0304**	**-.0009**	**.9809**	**.0007**	**.0353**
Stddev	.0006	.0002	.0005	.0000	.0030	.0001	.0019
%RSD	.1581	1.029	1.683	3.322	.3101	12.86	5.258
#1	.3483	.0188	-.0301	-.0008	.9787	.0007	.0340
#2	.3491	.0185	-.0308	-.0009	.9830	.0008	.0366

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97323.**	**12589.**	**2003.7**	**6002.8**
Stddev	238.	16.	3.6	4.8
%RSD	.24465	.12826	.17877	.07930
#1	97154.	12600.	2001.2	5999.4
#2	97491.	12578.	2006.3	6006.1

Zoom In Zoom Out

Sample Name: jb68621-3 Acquired: 6/12/2014 23:42:35 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1756**	**.0000**	**.0003**	**-.0004**	**.0065**	**.0010**	**.0536**	**.0060**	**.0000**
Stddev	.0002	.000	.0000	.0003	.0002	.0003	.0001	.0001	.0000
%RSD	.1240	192.3	12.08	83.29	2.803	26.90	.1109	1.819	88.52
#1	.1758	.0000	.0003	-.0002	.0064	.0012	.0536	.0059	.0000
#2	.1755	.0000	.0003	-.0006	.0066	.0008	.0535	.0061	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0027**	**-.0016**	**.0013**	**.0016**	**.0102**	**-.0001**	**.0173**	**67.03**
Stddev	.0002	.0000	.0006	.0023	.0011	.0011	.0002	.0002	.03
%RSD	33.63	1.274	38.97	175.6	70.69	10.78	190.2	1.006	.0455
#1	.0005	-.0027	-.0012	-.0003	.0008	.0094	.0000	.0174	67.05
#2	.0008	-.0026	-.0021	.0030	.0024	.0110	-.0003	.0172	67.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.124**	**15.22**	**5.414**	**157.4**	**.0543**	**.0005**	**-.0020**	**8.341**	**.0023**
Stddev	.006	.03	.001	1.0	.0000	.0000	.0011	.001	.0001
%RSD	.5258	.2206	.0220	.6503	.0134	1.330	55.56	.0125	6.586
#1	1.128	15.24	5.415	158.1	.0543	.0005	-.0012	8.340	.0022
#2	1.120	15.19	5.413	156.7	.0543	.0005	-.0028	8.342	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1835**	**.0004**	**-.0321**	**-.0006**	**13.73**	**-.0007**	**.0143**
Stddev	.0000	.0002	.0004	.0001	.02	.0003	.0001
%RSD	.0045	40.85	1.301	19.12	.1102	43.27	.8303
#1	.1835	.0003	-.0324	-.0005	13.74	-.0009	.0144
#2	.1835	.0005	-.0318	-.0007	13.72	-.0005	.0142

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98718.**	**12690.**	**2036.0**	**6124.6**
Stddev	27.	31.	1.5	2.4
%RSD	.02698	.24598	.07261	.03899
#1	98737.	12712.	2034.9	6122.9
#2	98699.	12668.	2037.0	6126.3

Zoom In Zoom Out

Sample Name: jb68621-4 Acquired: 6/12/2014 23:48:52 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3027**	**.0000**	**.0003**	**-.0003**	**.0052**	**.0026**	**.1621**	**.0044**	**-.0001**
Stddev	.0006	.0001	.0001	.0000	.0002	.0001	.0003	.0001	.0002
%RSD	.1882	158.0	30.83	11.19	3.958	4.062	.1694	1.476	172.6
#1	.3031	.0001	.0004	-.0003	.0054	.0026	.1619	.0044	-.0003
#2	.3023	.0000	.0002	-.0003	.0051	.0027	.1623	.0043	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0021**	**.0102**	**.0009**	**.0022**	**.0088**	**.0005**	**.0350**	**64.60**
Stddev	.0000	.0002	.0000	.0005	.0005	.0034	.0000	.0030	.09
%RSD	.5654	10.67	.4785	53.01	24.43	38.15	9.001	8.705	.1407
#1	.0017	.0020	.0101	.0005	.0018	.0065	.0005	.0329	64.54
#2	.0017	.0023	.0102	.0012	.0026	.0112	.0005	.0372	64.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**41.53**	**15.31**	**4.958**	**156.4**	**.0484**	**-.0006**	**-.0035**	**10.34**	**.0024**
Stddev	.04	.10	.007	.9	.0014	.0002	.0011	.05	.0006
%RSD	.1007	.6368	.1380	.5798	2.883	35.91	31.61	.4829	26.57
#1	41.56	15.38	4.953	157.0	.0494	-.0008	-.0027	10.38	.0028
#2	41.50	15.24	4.963	155.7	.0474	-.0005	-.0043	10.31	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1654**	**.0006**	**-.0301**	**-.0011**	**14.59**	**.0010**	**.0123**
Stddev	.0000	.0001	.0003	.0000	.04	.0003	.0009
%RSD	.0009	15.13	1.094	2.978	.2943	33.69	7.517
#1	.1654	.0006	-.0299	-.0012	14.62	.0012	.0116
#2	.1654	.0007	-.0304	-.0011	14.56	.0007	.0129

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98091.**	**12726.**	**2029.3**	**6149.1**
Stddev	188.	11.	9.1	28.9
%RSD	.19195	.09011	.44899	.46956
#1	98225.	12718.	2022.9	6128.7
#2	97958.	12734.	2035.7	6169.5

Zoom In Zoom Out

Sample Name: jb68621-5 Acquired: 6/12/2014 23:55:11 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2143**	**.0000**	**.0005**	**-.0003**	**.0036**	**.0007**	**.1311**	**.1274**	**-.0001**
Stddev	.0005	.0000	.0001	.0004	.0001	.0000	.0002	.0003	.0004
%RSD	.2133	90.24	16.42	147.8	3.504	1.640	.1836	.2313	267.0
#1	.2146	.0000	.0006	-.0005	.0037	.0007	.1312	.1276	-.0004
#2	.2140	.0000	.0004	.0000	.0035	.0007	.1309	.1272	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0195**	**.0040**	**.0020**	**.0029**	**.0093**	**-.0002**	**.0034**	**85.99**
Stddev	.0000	.0000	.0004	.0016	.0002	.0018	.0004	.0085	.25
%RSD	.8688	.1816	9.037	81.13	8.601	19.32	200.5	249.5	.2922
#1	.0010	.0194	.0038	.0032	.0027	.0106	.0001	.0094	85.82
#2	.0010	.0195	.0043	.0009	.0031	.0081	-.0005	-.0026	86.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.033**	**17.50**	**6.060**	**168.9**	**.0631**	**-.0004**	**-.0027**	**8.830**	**.0024**
Stddev	.008	.04	.001	2.1	.0015	.0000	.0003	.001	.0009
%RSD	.1574	.2277	.0203	1.237	2.455	11.09	9.222	.0145	36.74
#1	5.027	17.47	6.061	170.4	.0620	-.0003	-.0029	8.831	.0030
#2	5.039	17.53	6.059	167.5	.0642	-.0004	-.0026	8.829	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3287**	**.0004**	**-.0332**	**-.0011**	**8.908**	**-.0010**	**.0367**
Stddev	.0002	.0001	.0010	.0001	.001	.0011	.0002
%RSD	.0488	15.99	3.162	11.53	.0149	109.9	.5819
#1	.3286	.0004	-.0324	-.0012	8.909	-.0018	.0369
#2	.3288	.0004	-.0339	-.0010	8.907	-.0002	.0366

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98021.**	**12651.**	**2018.9**	**6065.5**
Stddev	61.	38.	1.6	1.1
%RSD	.06259	.30326	.07709	.01785
#1	97977.	12679.	2020.0	6066.3
#2	98064.	12624.	2017.8	6064.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 0:01:31 Type: QC
Method: Accutest1(v149) 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	**2.015**	**2.039**	**1.999**	**1.998**	**2.025**	**1.941**	**2.082**	**2.058**	**.2521**
Stddev	.001	.002	.000	.001	.001	.007	.000	.001	.0006
%RSD	.0268	.0812	.0159	.0554	.0486	.3690	.0160	.0294	.2289
#1	2.014	2.038	1.998	1.997	2.024	1.946	2.082	2.058	.2525
#2	2.015	2.040	1.999	1.999	2.026	1.935	2.082	2.059	.2517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.061**	**2.012**	**2.069**	**2.086**	**2.033**	**2.002**	**40.32**	**41.17**
Stddev	.002	.000	.002	.010	.005	.005	.003	.06	.03
%RSD	.1169	.0131	.1048	.4924	.2226	.2629	.1433	.1399	.0785
#1	2.012	2.060	2.011	2.062	2.090	2.029	2.004	40.36	41.15
#2	2.009	2.061	2.014	2.076	2.083	2.037	2.000	40.28	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	**40.83**	**41.66**	**40.84**	**41.81**	**2.010**	**2.011**	**1.952**	**5.078**	**2.069**
Stddev	.01	.03	.04	.04	.002	.001	.003	.002	.003
%RSD	.0291	.0808	.1013	.0935	.1101	.0349	.1331	.0440	.1532
#1	40.82	41.64	40.87	41.84	2.008	2.010	1.954	5.079	2.067
#2	40.83	41.68	40.81	41.79	2.011	2.011	1.950	5.076	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 0:01:31 Type: QC
Method: Accutest1(v149) 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	**2.030**	**2.022**	F **1.650**	**2.069**	**1.999**	**2.033**	**2.049**
Stddev	.001	.001	.025	.002	.002	.004	.001
%RSD	.0573	.0709	1.500	.0900	.0982	.1703	.0264
#1	2.029	2.023	1.633	2.070	2.001	2.035	2.049
#2	2.031	2.021	1.668	2.068	1.998	2.031	2.049
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100680.**	**12556.**	**2080.5**	**6302.9**
Stddev	57.	2.	.1	2.9
%RSD	.05652	.01838	.00611	.04608
#1	100640.	12558.	2080.5	6304.9
#2	100720.	12555.	2080.6	6300.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 0:07:34 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0009**	**.0006**	**.0006**	**.0012**	**.0002**	**.0010**	**.0005**	**-.0001**
Stddev	.0002	.0002	.0002	.0001	.0001	.0002	.0001	.0001	.0000
%RSD	22.10	27.68	31.28	9.401	8.547	97.66	5.085	23.96	16.67
#1	.0009	.0007	.0007	.0006	.0011	.0004	.0011	.0006	-.0001
#2	.0013	.0010	.0005	.0005	.0013	.0001	.0010	.0004	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0006**	**-.0005**	**.0011**	**.0006**	**.0001**	**.0012**	**.0122**	**.0137**
Stddev	.0000	.0001	.0003	.0006	.0002	.0007	.0001	.0051	.0055
%RSD	1.261	20.47	67.54	56.93	39.33	486.2	8.217	41.72	39.95
#1	.0012	.0007	-.0007	.0006	.0008	-.0003	.0011	.0086	.0098
#2	.0012	.0005	-.0003	.0015	.0004	.0006	.0013	.0158	.0176
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 **.0183**	**.0367**	**.0578**	**.0567**	**.0010**	**.0011**	**.0004**	**.0013**	**-.0005**
Stddev	.0064	.0128	.0011	.0121	.0005	.0004	.0005	.0002	.0008
%RSD	34.76	34.84	1.971	21.33	45.27	33.97	117.9	14.38	158.0
#1	.0138	.0277	.0569	.0482	.0014	.0014	.0001	.0012	-.0011
#2	.0228	.0458	.0586	.0653	.0007	.0008	.0008	.0015	.0001
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: 6/13/2014 0:07:34 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0010**	**-.0005**	F **.0011**	**-.0015**	**.0008**	**.0017**
Stddev	.0002	.0004	.0021	.0002	.0017	.0002	.0010
%RSD	27.55	37.95	393.8	18.20	109.8	25.47	56.74
#1	.0007	.0012	.0010	.0013	-.0003	.0007	.0010
#2	.0010	.0007	-.0020	.0010	-.0027	.0009	.0024
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	**107370.**	**12781.**	**2170.4**	**7022.6**
Stddev	131.	22.	9.4	18.7
%RSD	.12172	.17229	.43535	.26695
#1	107280.	12797.	2177.1	7035.9
#2	107470.	12766.	2163.7	7009.4

Zoom In Zoom Out

Sample Name: jb68621-6 Acquired: 6/13/2014 0:13:53 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0217**	**-.0001**	**.0005**	**.0000**	**.0087**	**.0123**	**.0530**	**.0384**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0001	.0004	.0002	.0001	.0003
%RSD	.0346	4.363	5.916	515.4	1.379	3.073	.3123	.2396	206.1
#1	.0217	-.0001	.0005	.0000	.0088	.0125	.0529	.0384	-.0004
#2	.0217	-.0001	.0005	.0001	.0086	.0120	.0531	.0385	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0027**	**.0671**	**-.0004**	**.0007**	**.0042**	**.0041**	**.0017**	**.2192**	**7.239**
Stddev	.0004	.0001	.0001	.0002	.0001	.0009	.0003	.0003	.032
%RSD	15.81	.1770	21.95	34.82	2.929	21.03	20.91	.1150	.4407
#1	.0030	.0672	-.0004	.0005	.0043	.0035	.0019	.2191	7.216
#2	.0024	.0670	-.0005	.0008	.0041	.0047	.0014	.2194	7.262

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.031**	**1.201**	**1.891**	**29.79**	**.0346**	**.0013**	**-.0008**	**2.840**	**.0007**
Stddev	.021	.021	.006	.01	.0001	.0002	.0005	.004	.0002
%RSD	.6982	1.783	.3459	.0242	.3210	12.64	64.34	.1356	26.08
#1	3.016	1.186	1.895	29.80	.0347	.0012	-.0012	2.842	.0006
#2	3.046	1.216	1.886	29.79	.0345	.0014	-.0005	2.837	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0403**	**.0081**	**-.0094**	**.0010**	**1.390**	**-.0004**	**.0036**
Stddev	.0001	.0001	.0015	.0000	.009	.0003	.0009
%RSD	.2690	1.557	15.47	4.749	.6323	79.90	23.88
#1	.0404	.0082	-.0084	.0010	1.384	-.0006	.0042
#2	.0402	.0081	-.0105	.0011	1.397	-.0002	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104300.**	**12932.**	**2125.6**	**6698.0**
Stddev	45.	70.	.6	7.6
%RSD	.04280	.54075	.02998	.11292
#1	104340.	12981.	2126.1	6703.4
#2	104270.	12882.	2125.2	6692.7

Zoom In Zoom Out

Sample Name: jb68621-7 Acquired: 6/13/2014 0:20:05 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8756**	**.0000**	**.0008**	**.0011**	**.0037**	**.0015**	**10.75**	**.1596**	**.0002**
Stddev	.0078	.0000	.0001	.0002	.0000	.0001	.30	.0010	.0000
%RSD	.8895	502.6	15.56	16.03	1.105	5.009	2.765	.6533	2.302
#1	.8811	.0000	.0007	.0013	.0037	.0015	10.54	.1603	.0002
#2	.8700	.0000	.0009	.0010	.0037	.0016	10.96	.1589	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0049**	**-.0010**	**-.0003**	**.0025**	**.0012**	**.0095**	**-.0005**	**.0163**	**138.4**
Stddev	.0008	.0002	.0003	.0005	.0001	.0016	.0001	.0036	1.3
%RSD	15.68	24.40	92.31	18.17	10.39	16.83	20.95	21.81	.9519
#1	-.0044	-.0012	-.0001	.0022	.0013	.0106	-.0004	.0188	139.3
#2	-.0055	-.0008	-.0005	.0028	.0011	.0084	-.0006	.0138	137.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**39.69**	**30.02**	**11.74**	**335.3**	**.1557**	**-.0011**	**-.0055**	**8.946**	**-.0013**
Stddev	.30	.27	.13	5.1	.0022	.0003	.0003	.055	.0011
%RSD	.7537	.8865	1.105	1.517	1.426	22.65	5.171	.6126	79.51
#1	39.90	30.21	11.83	338.9	.1572	-.0013	-.0053	8.985	-.0021
#2	39.48	29.84	11.65	331.7	.1541	-.0009	-.0057	8.907	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8002**	**.0008**	**-.0145**	**-.0019**	**1.429**	**.0013**	**.0817**
Stddev	.0079	.0002	.0003	.0001	.004	.0005	.0001
%RSD	.9811	28.34	1.777	5.695	.3148	34.54	.0946
#1	.8057	.0009	-.0147	-.0018	1.433	.0010	.0818
#2	.7946	.0006	-.0143	-.0020	1.426	.0017	.0816

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95497.**	**12577.**	**1946.5**	**5745.9**
Stddev	2553.	84.	9.3	34.6
%RSD	2.6737	.66521	.47739	.60254
#1	97303.	12518.	1939.9	5721.5
#2	93692.	12636.	1953.1	5770.4

Zoom In Zoom Out

Sample Name: jb68621-8 Acquired: 6/13/2014 0:26:28 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5214**	**.0000**	**.0010**	**.0009**	**.0051**	**.0038**	**4.201**	**.0204**	**-.0005**
Stddev	.0001	.000	.0000	.0002	.0001	.0002	.002	.0001	.0003
%RSD	.0108	201.7	.1458	21.49	2.719	4.416	.0348	.5280	63.11
#1	.5213	.0000	.0010	.0010	.0052	.0039	4.202	.0204	-.0003
#2	.5214	.0000	.0010	.0008	.0050	.0037	4.200	.0203	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0017**	**.0059**	**.0005**	**.0003**	**.0046**	**.0093**	**-.0001**	**.0193**	**123.4**
Stddev	.0001	.0001	.0002	.0005	.0007	.0009	.0002	.0001	.1
%RSD	7.223	1.859	35.42	156.1	15.85	9.738	240.1	.7541	.1149
#1	-.0016	.0060	.0004	.0007	.0041	.0086	.0001	.0194	123.5
#2	-.0018	.0059	.0006	.0000	.0051	.0099	-.0002	.0192	123.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.01**	**30.07**	**8.065**	**216.5**	**.1141**	**.0006**	**-.0051**	**9.777**	**.0013**
Stddev	.01	.08	.002	2.0	.0006	.0002	.0003	.003	.0004
%RSD	.0604	.2679	.0293	.9281	.5203	34.49	5.399	.0347	33.07
#1	10.01	30.13	8.067	218.0	.1145	.0007	-.0053	9.780	.0010
#2	10.01	30.01	8.064	215.1	.1136	.0004	-.0049	9.775	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5100**	**.0010**	**-.0207**	**-.0006**	**7.210**	**-.0001**	**.0214**
Stddev	.0002	.0002	.0002	.0002	.015	.0004	.0008
%RSD	.0391	20.09	1.202	28.02	.2087	355.5	3.655
#1	.5098	.0011	-.0206	-.0005	7.220	.0002	.0219
#2	.5101	.0008	-.0209	-.0007	7.199	-.0004	.0208

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96342.**	**12552.**	**1978.7**	**5899.3**
Stddev	155.	57.	.7	4.7
%RSD	.16082	.45606	.03518	.08002
#1	96232.	12511.	1978.2	5902.7
#2	96451.	12592.	1979.2	5896.0

Zoom In Zoom Out

Sample Name: jb68621-9 Acquired: 6/13/2014 0:32:53 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3894**	**.0001**	**.0003**	**-.0002**	**.0034**	**.0012**	**1.887**	**.0250**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.003	.0000	.0000
%RSD	.0343	62.58	27.12	48.61	5.369	11.32	.1476	.0743	26.69
#1	.3895	.0000	.0004	-.0001	.0032	.0011	1.889	.0250	-.0001
#2	.3893	.0001	.0002	-.0002	.0035	.0013	1.885	.0250	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0251**	**-.0007**	**.0001**	**.0017**	**.0086**	**-.0003**	**.0792**	**114.6**
Stddev	.0002	.0000	.0002	.0004	.0005	.0003	.0009	.0036	.2
%RSD	128.1	.0631	27.61	329.9	28.52	3.310	272.5	4.575	.1344
#1	.0000	.0252	-.0005	.0004	.0014	.0088	-.0009	.0766	114.7
#2	-.0003	.0251	-.0008	-.0001	.0020	.0084	.0003	.0817	114.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.633**	**24.97**	**7.625**	**237.8**	**.0974**	**-.0002**	**-.0045**	**8.637**	**.0023**
Stddev	.009	.03	.039	1.3	.0001	.0002	.0009	.005	.0010
%RSD	.1235	.1033	.5072	.5412	.0866	74.87	19.43	.0542	43.89
#1	7.640	24.99	7.598	238.7	.0975	-.0003	-.0051	8.641	.0016
#2	7.627	24.96	7.653	236.9	.0974	-.0001	-.0039	8.634	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5120**	**.0026**	**-.0267**	**-.0013**	**2.369**	**.0002**	**.0394**
Stddev	.0003	.0001	.0004	.0001	.004	.0002	.0006
%RSD	.0650	4.778	1.600	9.375	.1632	85.92	1.640
#1	.5122	.0027	-.0270	-.0014	2.366	.0003	.0398
#2	.5117	.0025	-.0264	-.0012	2.372	.0001	.0389

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96366.**	**12530.**	**1978.4**	**5879.0**
Stddev	86.	11.	2.2	.7
%RSD	.08944	.08655	.10887	.01223
#1	96306.	12522.	1976.9	5878.4
#2	96427.	12537.	1980.0	5879.5

Zoom In Zoom Out

Sample Name: jb68621-10 Acquired: 6/13/2014 0:39:10 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1217**	**.0003**	**.0004**	**.0119**	**.1923**	**.0106**	**.1562**	**.1212**	**-.0001**
Stddev	.0004	.0001	.0001	.0000	.0020	.0002	.0016	.0001	.0002
%RSD	.3252	27.42	38.48	.2210	1.022	2.025	1.027	.0516	238.9
#1	.1219	.0003	.0003	.0119	.1937	.0107	.1573	.1212	-.0002
#2	.1214	.0002	.0005	.0118	.1909	.0104	.1551	.1212	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.0262**	**-.0002**	**-.0014**	**.0070**	**.0108**	**-.0001**	**3.944**	**40.64**
Stddev	.0001	.0000	.0003	.0015	.0006	.0006	.0004	.017	.21
%RSD	1.619	.1747	160.8	105.2	8.693	5.461	263.5	.4401	.5268
#1	.0062	.0262	-.0004	-.0025	.0074	.0112	-.0004	3.956	40.79
#2	.0060	.0263	.0000	-.0004	.0066	.0104	.0001	3.931	40.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.485**	**8.474**	**2.596**	**92.24**	**.0283**	**.0208**	**-.0021**	**14.97**	**.0024**
Stddev	.022	.028	.007	.32	.0012	.0000	.0001	.00	.0007
%RSD	.4909	.3256	.2842	.3456	4.111	.0432	6.887	.0326	28.89
#1	4.500	8.493	2.601	92.46	.0291	.0208	-.0022	14.97	.0029
#2	4.469	8.454	2.590	92.01	.0274	.0208	-.0020	14.98	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2093**	**.0497**	**-.0203**	**.0004**	**12.13**	**-.0001**	**.0078**
Stddev	.0014	.0009	.0002	.0000	.00	.0006	.0003
%RSD	.6849	1.846	.8270	12.25	.0025	433.3	4.462
#1	.2103	.0504	-.0202	.0003	12.13	-.0005	.0075
#2	.2082	.0491	-.0204	.0004	12.13	.0003	.0080

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100450.**	**12808.**	**2077.7**	**6306.8**
Stddev	670.	30.	2.0	2.2
%RSD	.66702	.23359	.09668	.03549
#1	99975.	12787.	2079.2	6305.2
#2	100920.	12829.	2076.3	6308.4

Zoom In Zoom Out

Sample Name: jb68621-14 Acquired: 6/13/2014 0:45:20 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0002**	**.0000**	**-.0001**	**.0005**	**-.0006**	**.0000**	**-.0004**	**.0000**
Stddev	.0002	.0000	.0001	.0004	.0001	.0000	.000	.0000	.0000
%RSD	403.4	28.33	166.9	435.8	10.73	1.044	138.6	.8652	23.91
#1	.0002	-.0002	.0000	.0002	.0005	-.0006	.0000	-.0004	.0000
#2	-.0001	-.0001	.0001	-.0004	.0004	-.0006	-.0001	-.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0008**	**-.0020**	**.0002**	**.0001**	**.0020**	**.0011**	**-.0077**	**.0006**
Stddev	.0001	.0002	.0012	.0014	.0003	.0002	.0004	.0021	.0012
%RSD	259.7	21.16	62.59	648.8	313.3	9.955	39.25	26.78	187.0
#1	.0001	.0006	-.0011	-.0008	.0003	.0019	.0014	-.0092	-.0002
#2	.0000	.0009	-.0029	.0012	-.0001	.0022	.0008	-.0063	.0015

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0084**	**.0124**	**.0248**	**.0394**	**-.0003**	**-.0016**	**.0001**	**.0411**	**-.0008**
Stddev	.0018	.0049	.0064	.0002	.0004	.0001	.0003	.0004	.0001
%RSD	21.42	39.47	25.70	.6200	118.0	7.097	380.6	.9549	9.895
#1	.0096	.0159	.0203	.0396	-.0006	-.0017	-.0001	.0414	-.0007
#2	.0071	.0089	.0294	.0392	-.0001	-.0015	.0003	.0409	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0001**	**-.0281**	**-.0003**	**.0022**	**-.0007**	**.0006**
Stddev	.0000	.0005	.0007	.0000	.0020	.0004	.0004
%RSD	7.235	494.4	2.559	10.25	92.50	53.14	73.89
#1	-.0002	-.0003	-.0276	-.0003	.0036	-.0005	.0003
#2	-.0002	.0005	-.0286	-.0003	.0008	-.0010	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106910.**	**12901.**	**2167.3**	**7016.6**
Stddev	38.	84.	.0	5.9
%RSD	.03531	.65280	.00223	.08375
#1	106940.	12841.	2167.4	7012.4
#2	106890.	12960.	2167.3	7020.7

Zoom In Zoom Out

Sample Name: jb68846-9 Acquired: 6/13/2014 0:51:36 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1124**	**.0115**	**.0025**	**.0924**	**.1188**	**.0746**	**.8516**	**.0911**	**-.0037**
Stddev	.0002	.0001	.0000	.0002	.0006	.0000	.0021	.0001	.0001
%RSD	.1746	.4796	.8450	.1807	.5175	.0615	.2475	.0618	1.651
#1	.1125	.0115	.0024	.0925	.1184	.0747	.8501	.0910	-.0037
#2	.1123	.0116	.0025	.0923	.1193	.0746	.8531	.0911	-.0038

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3817**	**.1826**	**.0308**	**-.0139**	**.2650**	**.0198**	**.0048**	**124.4**	**27.95**
Stddev	.0009	.0003	.0008	.0007	.0002	.0006	.0009	.1	.05
%RSD	.2299	.1771	2.479	4.774	.0609	2.962	18.37	.0627	.1671
#1	.3811	.1823	.0313	-.0134	.2649	.0194	.0042	124.4	27.99
#2	.3823	.1828	.0302	-.0143	.2651	.0202	.0055	124.3	27.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**30.42**	**73.45**	**7.919**	**742.5**	**.0483**	**-.0011**	**-.0377**	**41.24**	**.0193**
Stddev	.06	.13	.037	6.5	.0003	.0003	.0002	.02	.0007
%RSD	.1879	.1837	.4621	.8704	.6701	30.18	.4119	.0418	3.878
#1	30.46	73.54	7.945	747.1	.0481	-.0009	-.0376	41.25	.0188
#2	30.38	73.35	7.893	737.9	.0486	-.0013	-.0378	41.23	.0199

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5364**	**.0171**	**-.0321**	**.0822**	**542.6**	**-.0164**	**.0230**
Stddev	.0003	.0000	.0009	.0003	1.4	.0005	.0004
%RSD	.0638	.1217	2.952	.3273	.2591	2.947	1.591
#1	.5361	.0171	-.0314	.0824	543.6	-.0160	.0233
#2	.5366	.0172	-.0327	.0820	541.6	-.0167	.0228

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**110890.**	**15096.**	**2317.7**	**5309.6**
Stddev	125.	36.	.7	3.5
%RSD	.11228	.24090	.02903	.06571
#1	110980.	15071.	2317.2	5312.1
#2	110800.	15122.	2318.2	5307.2

Zoom In Zoom Out

Sample Name: jb68846-10 Acquired: 6/13/2014 0:57:50 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0867**	**.0004**	**.0004**	**.0026**	**.0043**	**.0026**	**.0360**	**.0052**	**.0000**
Stddev	.0001	.0000	.0002	.0001	.0003	.0003	.0001	.0001	.000
%RSD	.1165	5.234	51.21	4.827	5.914	12.60	.3300	1.579	6.909
#1	.0868	.0004	.0003	.0025	.0042	.0024	.0359	.0052	.0000
#2	.0866	.0005	.0006	.0027	.0045	.0029	.0361	.0051	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0087**	**.0141**	**.0034**	**-.0064**	**.0057**	**.0100**	**.0020**	**1.715**	**2.347**
Stddev	.0002	.0000	.0008	.0002	.0007	.0005	.0007	.002	.002
%RSD	1.773	.0137	22.76	2.914	12.17	5.014	32.55	.1284	.0930
#1	.0086	.0141	.0039	-.0063	.0052	.0097	.0025	1.716	2.346
#2	.0088	.0141	.0028	-.0065	.0062	.0104	.0016	1.713	2.349

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.950**	**3.336**	**2.450**	**82.69**	**.0754**	**.0011**	**-.0011**	**19.25**	**.0183**
Stddev	.004	.039	.009	.14	.0000	.0002	.0002	.04	.0003
%RSD	.1288	1.160	.3729	.1661	.0377	15.76	17.45	.2252	1.793
#1	2.948	3.309	2.457	82.59	.0753	.0012	-.0010	19.22	.0185
#2	2.953	3.363	2.444	82.78	.0754	.0009	-.0013	19.28	.0180

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0379**	**.0097**	**-.0321**	**-.0009**	**10.37**	**-.0006**	**.0032**
Stddev	.0000	.0002	.0005	.0001	.03	.0005	.0007
%RSD	.0937	2.323	1.561	11.38	.2898	78.51	21.66
#1	.0379	.0095	-.0318	-.0010	10.35	-.0010	.0037
#2	.0380	.0099	-.0325	-.0009	10.39	-.0003	.0027

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102650.**	**12778.**	**2114.4**	**6485.5**
Stddev	11.	70.	3.2	2.9
%RSD	.01034	.54880	.15025	.04547
#1	102640.	12828.	2116.6	6483.4
#2	102650.	12728.	2112.1	6487.6

Zoom In Zoom Out

Sample Name: jb68846-11 Acquired: 6/13/2014 1:04:03 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0131**	**.0075**	**.0011**	**.0613**	**.0614**	**.0284**	**.5277**	**.0508**	**-.0044**
Stddev	.0002	.0001	.0001	.0002	.0000	.0001	.0003	.0006	.0001
%RSD	1.549	.7748	6.841	.2497	.0333	.3471	.0596	1.161	2.061
#1	.0130	.0074	.0011	.0614	.0614	.0283	.5275	.0512	-.0045
#2	.0133	.0075	.0012	.0612	.0614	.0284	.5280	.0504	-.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0816**	**.0593**	**.0290**	**-.0132**	**.5381**	**.0143**	**-.0009**	**87.78**	**10.62**
Stddev	.0001	.0003	.0009	.0002	.0014	.0003	.0002	.07	.01
%RSD	.1616	.5768	3.198	1.574	.2550	1.806	22.54	.0770	.0861
#1	.0815	.0591	.0297	-.0133	.5390	.0145	-.0008	87.74	10.63
#2	.0817	.0596	.0284	-.0130	.5371	.0141	-.0011	87.83	10.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.75**	**38.32**	**5.046**	**431.8**	**.0036**	**-.0009**	**-.0518**	**44.76**	**.0111**
Stddev	.01	.03	.020	4.9	.0003	.0001	.0004	.07	.0002
%RSD	.1246	.0653	.3873	1.141	8.876	6.155	.8241	.1492	2.190
#1	11.74	38.30	5.032	428.3	.0034	-.0008	-.0521	44.71	.0113
#2	11.76	38.34	5.060	435.3	.0038	-.0009	-.0515	44.80	.0109

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1978**	**.0050**	**-.0360**	**.0486**	**333.6**	**-.0159**	**.0120**
Stddev	.0003	.0001	.0001	.0001	.5	.0004	.0001
%RSD	.1529	1.250	.3580	.2489	.1531	2.820	1.098
#1	.1976	.0050	-.0359	.0487	334.0	-.0156	.0121
#2	.1980	.0049	-.0361	.0485	333.2	-.0162	.0119

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**127210.**	**16933.**	**2697.1**	**5584.1**
Stddev	95.	4.	5.9	5.4
%RSD	.07463	.02158	.21971	.09596
#1	127280.	16936.	2701.3	5587.9
#2	127150.	16931.	2692.9	5580.3

Zoom In Zoom Out

Sample Name: jb68846-12 Acquired: 6/13/2014 1:10:16 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2076**	**.0049**	**.0007**	**.0338**	**.0158**	**.0046**	**.2917**	**.0363**	**-.0008**
Stddev	.0207	.0005	.0000	.0001	.0005	.0001	.0009	.0001	.0000
%RSD	9.949	9.591	2.538	.2248	3.157	1.380	.3202	.2082	3.437
#1	.1930	.0046	.0007	.0338	.0154	.0046	.2923	.0363	-.0008
#2	.2222	.0052	.0007	.0339	.0161	.0045	.2910	.0362	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0033**	**.0636**	**.0033**	**.0061**	**.0219**	**.0071**	**-.0001**	**16.11**	**47.84**
Stddev	.0000	.0001	.0006	.0024	.0006	.0002	.0003	1.65	4.88
%RSD	.7786	.1667	17.79	39.22	2.731	2.519	242.7	10.26	10.20
#1	.0033	.0635	.0029	.0078	.0215	.0069	-.0003	14.94	44.39
#2	.0033	.0637	.0037	.0044	.0223	.0072	.0001	17.27	51.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9326**	**47.17**	**11.76**	**571.7**	**.0606**	**-.0003**	**-.0084**	**4.941**	**.0032**
Stddev	.0999	4.84	1.17	54.7	.0003	.0000	.0010	.002	.0007
%RSD	10.71	10.26	9.922	9.569	.4952	.0142	11.55	.0341	22.32
#1	.8620	43.75	10.94	533.0	.0608	-.0003	-.0091	4.940	.0027
#2	1.003	50.60	12.59	610.4	.0604	-.0003	-.0078	4.942	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4943**	**.0026**	**-.0340**	**.0031**	**16.75**	**-.0019**	**.0087**
Stddev	.0498	.0002	.0007	.0000	.04	.0005	.0001
%RSD	10.08	8.406	2.069	.1806	.2263	25.32	1.342
#1	.4591	.0025	-.0335	.0031	16.72	-.0022	.0086
#2	.5296	.0028	-.0345	.0030	16.78	-.0015	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95563.**	**12625.**	**2003.0**	**5533.0**
Stddev	82.	1128.	3.2	5.3
%RSD	.08584	8.9345	.16188	.09587
#1	95505.	13423.	2005.3	5536.7
#2	95621.	11828.	2000.7	5529.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 1:16:34 Type: QC
Method: Accutest1(v149) 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	**2.017**	**2.037**	**2.004**	**2.002**	**2.013**	**1.955**	**2.084**	**2.067**	**.2526**
Stddev	.002	.003	.005	.005	.000	.004	.004	.004	.0002
%RSD	.1043	.1410	.2324	.2606	.0047	.1828	.1714	.1767	.0612
#1	2.018	2.039	2.001	1.998	2.013	1.953	2.081	2.064	.2525
#2	2.015	2.035	2.007	2.006	2.013	1.958	2.086	2.070	.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	**2.017**	**2.068**	**2.021**	**2.063**	**2.101**	**2.035**	**2.014**	**40.40**	**41.05**
Stddev	.003	.007	.005	.004	.004	.001	.004	.02	.14
%RSD	.1626	.3461	.2681	.1761	.1802	.0227	.1910	.0511	.3435
#1	2.015	2.063	2.017	2.066	2.098	2.035	2.011	40.41	41.15
#2	2.019	2.073	2.025	2.060	2.103	2.035	2.017	40.38	40.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.52**	**41.67**	**41.01**	**41.98**	**2.019**	**2.017**	**1.958**	**5.117**	**2.075**
Stddev	.12	.18	.05	.02	.003	.007	.004	.012	.003
%RSD	.2954	.4328	.1123	.0462	.1372	.3357	.2312	.2278	.1439
#1	40.60	41.79	41.04	41.99	2.017	2.012	1.955	5.109	2.073
#2	40.43	41.54	40.97	41.96	2.021	2.022	1.962	5.126	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: 6/13/2014 1:16:34 Type: QC
Method: Accutest1(v149) 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	**2.028**	**2.023**	F **1.674**	**2.075**	**2.016**	**2.043**	**2.057**
Stddev	.001	.002	.034	.001	.003	.004	.002
%RSD	.0576	.1161	2.035	.0471	.1554	.2196	.0809
#1	2.027	2.022	1.650	2.074	2.018	2.040	2.058
#2	2.029	2.025	1.698	2.076	2.014	2.046	2.056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100200.**	**12472.**	**2067.1**	**6256.5**
Stddev	197.	46.	1.9	4.7
%RSD	.19672	.36961	.09228	.07542
#1	100340.	12439.	2068.4	6259.8
#2	100060.	12504.	2065.8	6253.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 1:22:38 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0009**	F **.0007**	**.0004**	**.0009**	**-.0001**	**.0009**	**.0004**	**-.0002**
Stddev	.0001	.0000	.0000	.0003	.0004	.0002	.0001	.0002	.0000
%RSD	8.956	.1137	4.085	74.19	41.95	236.7	11.97	50.86	1.580
#1	.0012	.0009	.0007	.0007	.0011	.0001	.0010	.0005	-.0002
#2	.0011	.0009	.0007	.0002	.0006	-.0002	.0008	.0002	-.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0006**	**-.0002**	**-.0006**	**.0008**	**-.0004**	**.0012**	**.0191**	**.0094**
Stddev	.0001	.0002	.0008	.0019	.0000	.0001	.0000	.0014	.0014
%RSD	14.83	34.77	358.0	334.0	1.647	21.54	.2203	7.163	15.13
#1	.0011	.0007	.0003	.0008	.0008	-.0004	.0012	.0181	.0104
#2	.0009	.0004	-.0008	-.0019	.0008	-.0005	.0012	.0200	.0084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0204**	**.0177**	**.0506**	**.0986**	**.0006**	**.0011**	**.0003**	**.0031**	**-.0004**
Stddev	.0022	.0018	.0123	.0013	.0002	.0004	.0011	.0006	.0003
%RSD	10.72	10.07	24.35	1.284	26.36	41.26	374.8	18.46	75.01
#1	.0219	.0165	.0419	.0995	.0007	.0014	-.0005	.0035	-.0002
#2	.0188	.0190	.0593	.0977	.0005	.0008	.0011	.0027	-.0006
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 1:22:38 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0009**	**.0020**	F **.0011**	**.0004**	**.0004**	**.0019**
Stddev	.0000	.0002	.0028	.0002	.0009	.0004	.0011
%RSD	1.706	23.69	139.6	20.88	212.4	98.70	54.53
#1	.0009	.0010	.0041	.0012	-.0002	.0001	.0027
#2	.0009	.0007	.0000	.0009	.0011	.0008	.0012
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	**106620.**	**12747.**	**2168.4**	**6992.6**
Stddev	8.	38.	8.4	14.8
%RSD	.00722	.29477	.38583	.21131
#1	106630.	12773.	2174.3	7003.0
#2	106620.	12720.	2162.5	6982.1

Zoom In Zoom Out

Sample Name: jb68846-13 Acquired: 6/13/2014 1:28:56 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0481**	**.0081**	**.0018**	**.0495**	**.1138**	**.0187**	**.5079**	**.0802**	**-.0021**
Stddev	.0001	.0000	.0000	.0002	.0003	.0001	.0001	.0002	.0003
%RSD	.2053	.3925	1.724	.3208	.2264	.7476	.0234	.2083	15.15
#1	.0482	.0081	.0018	.0494	.1136	.0188	.5078	.0801	-.0019
#2	.0481	.0081	.0018	.0496	.1139	.0186	.5079	.0804	-.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0400**	**.1302**	**.0127**	**-.0134**	**.3310**	**.0206**	**.0015**	**69.24**	**23.81**
Stddev	.0000	.0002	.0016	.0008	.0006	.0009	.0009	.01	.02
%RSD	.0331	.1187	12.62	5.726	.1934	4.309	60.74	.0166	.0734
#1	.0399	.1303	.0115	-.0140	.3306	.0200	.0009	69.23	23.80
#2	.0400	.1301	.0138	-.0129	.3315	.0213	.0022	69.25	23.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**13.71**	**50.69**	**4.683**	**490.4**	**.0150**	**.0016**	**-.0218**	**50.95**	**.0273**
Stddev	.02	.01	.010	.4	.0006	.0001	.0006	.04	.0012
%RSD	.1231	.0149	.2138	.0886	4.090	9.372	2.903	.0833	4.555
#1	13.70	50.69	4.676	490.7	.0154	.0017	-.0214	50.92	.0282
#2	13.72	50.68	4.690	490.1	.0145	.0015	-.0223	50.98	.0264

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3837**	**.0117**	**-.0125**	**.0301**	**190.9**	**-.0077**	**.0130**
Stddev	.0005	.0011	.0009	.0003	.3	.0004	.0001
%RSD	.1350	9.473	7.591	.9351	.1534	5.692	.8610
#1	.3841	.0109	-.0118	.0303	190.6	-.0081	.0131
#2	.3833	.0125	-.0132	.0299	191.1	-.0074	.0129

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105060.**	**13792.**	**2188.2**	**5597.3**
Stddev	34.	53.	.3	.2
%RSD	.03227	.38549	.01529	.00307
#1	105090.	13829.	2188.4	5597.2
#2	105040.	13754.	2187.9	5597.4

Zoom In Zoom Out

Sample Name: mp80019-lc1 1 Acquired: 6/13/2014 1:35:11 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5106**	**.5025**	**.5058**	**.4785**	**.4993**	**.4685**	**.5238**	**.5107**	**.2141**
Stddev	.0090	.0094	.0014	.0002	.0028	.0017	.0022	.0008	.0001
%RSD	1.760	1.861	.2683	.0455	.5707	.3624	.4153	.1585	.0341
#1	.5042	.4959	.5068	.4786	.4973	.4673	.5223	.5113	.2141
#2	.5170	.5091	.5049	.4783	.5013	.4697	.5254	.5102	.2142

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4795**	**.5285**	**.5194**	**.5523**	**.5297**	**.5486**	**.5023**	**5.128**	**5.679**
Stddev	.0020	.0014	.0002	.0010	.0001	.0005	.0022	.083	.129
%RSD	.4103	.2599	.0307	.1875	.0232	.0857	.4419	1.613	2.279
#1	.4781	.5295	.5195	.5531	.5298	.5483	.5039	5.069	5.587
#2	.4809	.5276	.5192	.5516	.5296	.5490	.5007	5.186	5.770

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.713**	**5.736**	**10.54**	**10.82**	**.0028**	**.4853**	**-.0003**	**-.0483**	**.0002**
Stddev	.121	.118	.20	.18	.0004	.0017	.0005	.0015	.0002
%RSD	2.124	2.053	1.890	1.696	14.44	.3538	161.9	3.208	109.5
#1	5.627	5.653	10.40	10.69	.0030	.4865	-.0007	-.0472	.0001
#2	5.799	5.819	10.68	10.95	.0025	.4841	.0000	-.0494	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5041**	**-.0261**	**-.0003**	**.0087**	**-.0003**	**.0004**
Stddev	.0000	.0022	.0000	.0001	.0025	.0005	.0002
%RSD	10.05	.4343	.1389	24.13	29.04	152.8	48.90
#1	-.0002	.5026	-.0260	-.0004	.0105	-.0007	.0006
#2	-.0002	.5057	-.0261	-.0003	.0069	.0000	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105450.**	**12845.**	**2142.3**	**6769.4**
Stddev	393.	331.	2.9	4.6
%RSD	.37242	2.5787	.13415	.06859
#1	105730.	13079.	2140.2	6766.1
#2	105170.	12610.	2144.3	6772.7

Zoom In Zoom Out

Sample Name: mp80019-mb1 1 Acquired: 6/13/2014 1:41:17 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**-.0008**	**-.0001**	**.0003**	**-.0001**
Stddev	.0000	.0000	.0000	.0001	.0002	.0002	.0000	.0001	.0000
%RSD	39.44	34.56	4.303	64.12	51.10	26.20	23.74	24.29	26.51
#1	.0000	-.0001	.0001	-.0001	.0004	-.0009	.0000	.0004	-.0001
#2	.0001	-.0001	.0001	-.0002	.0002	-.0006	-.0001	.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0005**	**.0001**	**.0013**	**.0004**	**.0025**	**-.0006**	**-.0023**	**.0002**
Stddev	.0001	.0001	.0005	.0004	.0001	.0019	.0013	.0076	.0006
%RSD	77.50	16.69	615.7	29.46	29.21	75.81	223.8	336.2	279.5
#1	.0003	.0004	-.0003	.0016	.0003	.0012	.0004	-.0076	-.0002
#2	.0001	.0006	.0004	.0010	.0005	.0038	-.0016	.0031	.0006

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0021**	**.0022**	**.0154**	**.0278**	**-.0013**	**-.0013**	**-.0003**	**.0091**	**-.0010**
Stddev	.0003	.0015	.0020	.0007	.0005	.0001	.0001	.0005	.0002
%RSD	15.80	68.02	13.22	2.651	42.34	6.159	37.79	5.987	25.24
#1	-.0019	.0012	.0140	.0284	-.0009	-.0013	-.0002	.0095	-.0008
#2	-.0023	.0033	.0168	.0273	-.0016	-.0014	-.0003	.0087	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0297**	**-.0015**	**.0031**	**.0000**	**-.0004**
Stddev	.0001	.0003	.0004	.0000	.0017	.000	.0005
%RSD	77.42	111.0	1.428	1.097	54.83	64.62	147.6
#1	-.0001	-.0005	-.0300	-.0015	.0043	.0000	.0000
#2	.0000	-.0001	-.0294	-.0015	.0019	.0000	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**108460.**	**13062.**	**2191.6**	**7157.7**
Stddev	435.	161.	5.1	16.7
%RSD	.40143	1.2337	.23295	.23348
#1	108150.	13176.	2195.2	7169.5
#2	108770.	12948.	2188.0	7145.8

Zoom In Zoom Out

Sample Name: mp80019-s1 Acquired: 6/13/2014 1:47:34 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.842**	**.0472**	**.0462**	**.4551**	**.2054**	**.2353**	**.9223**	**.4962**	**.0495**
Stddev	.000	.0000	.0001	.0006	.0008	.0009	.0021	.0001	.0006
%RSD	.0099	.0300	.1563	.1333	.3770	.3660	.2297	.0224	1.202
#1	1.842	.0471	.0463	.4555	.2049	.2347	.9208	.4961	.0499
#2	1.842	.0472	.0462	.4546	.2060	.2359	.9238	.4962	.0491

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4498**	**.5462**	**1.998**	**2.057**	**.5008**	**2.123**	**.4701**	**1.973**	**30.79**
Stddev	.0015	.0001	.005	.015	.0015	.003	.0005	.009	.15
%RSD	.3349	.0174	.2359	.7039	.2954	.1173	.1054	.4485	.4764
#1	.4488	.5462	1.995	2.047	.5019	2.121	.4704	1.979	30.69
#2	.4509	.5463	2.001	2.068	.4998	2.124	.4697	1.967	30.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.681**	**25.13**	**24.35**	**45.93**	**.0083**	**.0028**	**-.0014**	**1.232**	**.0013**
Stddev	.018	.13	.02	.08	.0000	.0000	.0007	.000	.0002
%RSD	.6811	.5091	.0876	.1822	.1388	.7342	51.31	.0162	11.95
#1	2.668	25.04	24.34	45.99	.0083	.0028	-.0009	1.233	.0015
#2	2.694	25.22	24.37	45.87	.0083	.0027	-.0020	1.232	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0461**	**.0053**	**-.0301**	**-.0014**	**.6018**	**.0000**	**.0017**
Stddev	.0002	.0003	.0006	.0001	.0011	.001	.0004
%RSD	.3793	5.956	2.077	3.844	.1790	1275.	23.17
#1	.0460	.0055	-.0297	-.0013	.6026	-.0005	.0020
#2	.0462	.0050	-.0306	-.0014	.6011	.0004	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102330.**	**12895.**	**2089.6**	**6459.5**
Stddev	185.	67.	5.7	13.8
%RSD	.18049	.51915	.27466	.21406
#1	102460.	12942.	2093.7	6469.3
#2	102200.	12848.	2085.6	6449.7

Zoom In Zoom Out

Sample Name: mp80019-s2 Acquired: 6/13/2014 1:53:39 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.854**	**.0475**	**.0460**	**.4546**	**.2048**	**.2354**	**.9256**	**.4953**	**.0496**
Stddev	.002	.0001	.0002	.0012	.0003	.0006	.0010	.0011	.0002
%RSD	.1024	.3113	.3895	.2689	.1308	.2512	.1072	.2202	.3202
#1	1.853	.0474	.0461	.4555	.2046	.2358	.9263	.4961	.0495
#2	1.855	.0476	.0459	.4537	.2050	.2349	.9249	.4946	.0497

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4503**	**.5317**	**1.995**	**2.050**	**.5013**	**2.115**	**.4709**	**1.977**	**31.00**
Stddev	.0003	.0009	.005	.005	.0011	.009	.0005	.014	.04
%RSD	.0676	.1617	.2690	.2419	.2281	.4064	.1068	.7193	.1335
#1	.4505	.5323	1.999	2.053	.5021	2.122	.4706	1.967	31.03
#2	.4501	.5311	1.991	2.046	.5005	2.109	.4713	1.987	30.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.678**	**25.35**	**24.60**	**46.27**	**.0073**	**.0025**	**-.0024**	**1.214**	**.0006**
Stddev	.012	.03	.01	.08	.0003	.0000	.0007	.004	.0004
%RSD	.4299	.1186	.0435	.1725	3.923	1.478	29.50	.3395	70.18
#1	2.687	25.33	24.59	46.22	.0076	.0024	-.0030	1.217	.0009
#2	2.670	25.38	24.61	46.33	.0071	.0025	-.0019	1.211	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0462**	**.0052**	**-.0318**	**-.0015**	**.5925**	**.0005**	**.0025**
Stddev	.0001	.0004	.0001	.0000	.0002	.0000	.0010
%RSD	.2653	6.744	.2571	.1661	.0417	9.292	39.72
#1	.0463	.0054	-.0318	-.0015	.5926	.0005	.0032
#2	.0461	.0049	-.0317	-.0015	.5923	.0005	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102140.**	**12841.**	**2098.0**	**6478.5**
Stddev	28.	4.	1.7	8.2
%RSD	.02777	.02732	.08089	.12689
#1	102120.	12843.	2096.8	6472.7
#2	102160.	12838.	2099.2	6484.3

Zoom In Zoom Out

Sample Name: jb68891-9 Acquired: 6/13/2014 1:59:44 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0184**	**-.0001**	**.0004**	**.0000**	**.0168**	**.0133**	**.4368**	**.0152**	**-.0001**
Stddev	.0000	.0001	.0000	.0000	.0001	.0000	.0001	.0001	.0000
%RSD	.0353	66.59	9.678	89.51	.3161	.0925	.0255	.8020	42.51
#1	.0184	.0000	.0003	.0000	.0167	.0133	.4367	.0151	-.0001
#2	.0184	-.0001	.0004	.0000	.0168	.0133	.4368	.0153	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0462**	**.0016**	**.0014**	**.0046**	**.0027**	**.0002**	**.1026**	**7.697**
Stddev	.0001	.0000	.0002	.0001	.0008	.0014	.0000	.0026	.002
%RSD	9.126	.0273	11.90	6.746	16.95	50.76	23.06	2.582	.0206
#1	.0013	.0461	.0018	.0014	.0041	.0017	.0002	.1045	7.696
#2	.0011	.0462	.0015	.0013	.0052	.0037	.0002	.1008	7.698

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.690**	**1.004**	**.5997**	**21.34**	**.0095**	**.0019**	**-.0009**	**1.157**	**.0001**
Stddev	.003	.021	.0299	.02	.0001	.0001	.0001	.003	.0001
%RSD	.1543	2.059	4.989	.0935	1.217	7.689	14.99	.2126	106.0
#1	1.691	1.018	.5786	21.32	.0094	.0018	-.0008	1.155	.0000
#2	1.688	.9890	.6209	21.35	.0096	.0020	-.0010	1.159	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0456**	**.0049**	**-.0337**	**-.0014**	**.5758**	**.0005**	**.0010**
Stddev	.0003	.0003	.0005	.0002	.0014	.0006	.0011
%RSD	.7108	6.261	1.357	10.84	.2355	115.4	110.1
#1	.0454	.0047	-.0340	-.0015	.5768	.0009	.0018
#2	.0458	.0051	-.0334	-.0013	.5749	.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105100.**	**12909.**	**2144.2**	**6825.1**
Stddev	16.	9.	7.8	16.3
%RSD	.01562	.06797	.36414	.23816
#1	105090.	12902.	2149.8	6836.6
#2	105110.	12915.	2138.7	6813.6

Zoom In Zoom Out

Sample Name: mp80019-sd1 Acquired: 6/13/2014 2:05:57 Type: Unk
Method: Accutest1(v149) 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	**.0183**	**-.0007**	**.0014**	**.0001**	**.0187**	**.0087**	**.4355**	**.0143**	**-.0015**
Stddev	.0004	.0001	.0003	.0018	.0001	.0003	.0007	.0003	.0004
%RSD	2.047	14.14	18.43	1696.	.6028	4.018	.1628	2.055	25.98
#1	.0180	-.0006	.0012	-.0012	.0188	.0089	.4360	.0145	-.0012
#2	.0186	-.0007	.0016	.0014	.0186	.0085	.4350	.0141	-.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0559**	**-.0048**	**.0032**	**.0050**	**.0181**	**.0026**	**.0703**	**7.727**
Stddev	.0019	.0001	.0018	.0034	.0034	.0035	.0022	.0068	.043
%RSD	261.4	.2105	38.59	105.8	67.61	19.07	86.39	9.713	.5525
#1	.0021	.0560	-.0061	.0055	.0026	.0205	.0042	.0655	7.697
#2	-.0006	.0558	-.0035	.0008	.0074	.0157	.0010	.0751	7.757

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.730**	**1.070**	**.6157**	**21.14**	**.0068**	**-.0052**	**-.0006**	**1.141**	**-.0033**
Stddev	.011	.014	.0778	.02	.0001	.0007	.0038	.005	.0038
%RSD	.6068	1.261	12.64	.0799	1.639	13.44	610.9	.4103	114.5
#1	1.723	1.079	.6708	21.15	.0067	-.0057	.0020	1.144	-.0006
#2	1.738	1.060	.5607	21.13	.0068	-.0047	-.0033	1.138	-.0060

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0450**	**.0045**	**-.1661**	**-.0068**	**.5466**	**-.0014**	**.0050**
Stddev	.0007	.0007	.0013	.0001	.0042	.0022	.0006
%RSD	1.473	16.28	.7562	1.151	.7769	152.0	11.27
#1	.0455	.0050	-.1652	-.0068	.5436	-.0030	.0046
#2	.0445	.0040	-.1670	-.0069	.5496	.0001	.0054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105600.**	**12663.**	**2139.9**	**6900.3**
Stddev	329.	54.	1.4	2.0
%RSD	.31137	.42425	.06502	.02887
#1	105370.	12701.	2140.9	6898.9
#2	105840.	12625.	2139.0	6901.8

Zoom In Zoom Out

Sample Name: jb68801-3r Acquired: 6/13/2014 2:12:11 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1122**	**.0009**	**.0003**	**-.0003**	**.0080**	**.0007**	**.5349**	**.0020**	**-.0002**
Stddev	.0002	.0000	.0002	.0003	.0001	.0001	.0001	.0001	.0000
%RSD	.1797	.9409	54.08	95.55	1.126	20.24	.0185	5.749	24.54
#1	.1120	.0009	.0004	-.0005	.0079	.0008	.5349	.0020	-.0002
#2	.1123	.0009	.0002	-.0001	.0081	.0006	.5350	.0019	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0113**	**-.0083**	**.0215**	**-.0019**	**.0029**	**.0106**	**-.0011**	**.0055**	**133.3**
Stddev	.0005	.0001	.0004	.0002	.0002	.0023	.0005	.0012	.5
%RSD	4.107	1.250	1.878	10.87	6.743	21.38	40.87	22.28	.4099
#1	.0109	-.0083	.0217	-.0021	.0027	.0090	-.0008	.0063	133.7
#2	.0116	-.0084	.0212	-.0018	.0030	.0122	-.0014	.0046	132.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0152**	**55.31**	**50.72**	**563.3**	**.4410**	**-.0002**	**-.0041**	**13.62**	**.0025**
Stddev	.0001	.15	.05	7.3	.0002	.0001	.0003	.02	.0004
%RSD	.8006	.2701	.1018	1.303	.0443	48.10	7.760	.1766	17.51
#1	.0151	55.41	50.75	568.5	.4412	-.0003	-.0043	13.61	.0022
#2	.0152	55.20	50.68	558.1	.4409	-.0002	-.0039	13.64	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.133**	**.0020**	**-.0332**	**-.0014**	**8.834**	**.0000**	**.0350**
Stddev	.002	.0005	.0010	.0001	.047	.0003	.0001
%RSD	.1300	25.20	3.140	3.880	.5369	1120.	.3480
#1	1.132	.0024	-.0340	-.0014	8.801	-.0002	.0350
#2	1.134	.0016	-.0325	-.0014	8.868	.0003	.0351

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91665.**	**12499.**	**1882.5**	**5444.1**
Stddev	168.	86.	4.8	9.6
%RSD	.18354	.68828	.25615	.17619
#1	91784.	12439.	1885.9	5450.8
#2	91546.	12560.	1879.1	5437.3

Zoom In Zoom Out

Sample Name: jb68805-1 Acquired: 6/13/2014 2:18:29 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1160**	**-.0001**	**.0004**	**.0044**	**.0060**	**.0454**	**7.483**	**.0166**	**.0002**
Stddev	.0000	.0000	.0003	.0001	.0001	.0003	.006	.0001	.0002
%RSD	.0054	1.982	63.66	1.601	1.499	.7221	.0813	.3376	85.98
#1	.1160	-.0001	.0002	.0044	.0060	.0452	7.479	.0166	.0001
#2	.1160	-.0001	.0006	.0045	.0061	.0457	7.487	.0166	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0066**	**.0445**	**.0039**	**.0019**	**.0423**	**.0154**	**-.0002**	**2.399**	**98.34**
Stddev	.0001	.0002	.0002	.0019	.0014	.0002	.0009	.006	.01
%RSD	1.046	.3498	4.834	100.7	3.255	1.403	388.3	.2633	.0142
#1	.0066	.0446	.0040	.0032	.0433	.0153	-.0009	2.403	98.35
#2	.0067	.0444	.0038	.0005	.0414	.0156	.0004	2.395	98.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.766**	**42.00**	**2.719**	**261.3**	**.5434**	**-.0007**	**-.0041**	**18.71**	**-.0014**
Stddev	.004	.06	.006	.1	.0014	.0001	.0009	.05	.0012
%RSD	.0628	.1500	.2338	.0514	.2512	11.24	20.90	.2500	84.56
#1	6.763	42.04	2.715	261.4	.5424	-.0006	-.0047	18.68	-.0022
#2	6.769	41.95	2.724	261.2	.5444	-.0008	-.0035	18.74	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3141**	**.1250**	**-.0369**	**-.0004**	**23.38**	**.0007**	**.0065**
Stddev	.0001	.0013	.0000	.0003	.00	.0001	.0002
%RSD	.0325	1.008	.1058	65.21	.0195	10.62	2.766
#1	.3140	.1241	-.0369	-.0006	23.37	.0007	.0066
#2	.3141	.1259	-.0369	-.0002	23.38	.0008	.0064

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98719.**	**12956.**	**2005.5**	**5926.4**
Stddev	268.	54.	8.1	15.4
%RSD	.27113	.41302	.40430	.25941
#1	98908.	12918.	2011.2	5937.3
#2	98529.	12994.	1999.8	5915.5

Zoom In Zoom Out

Sample Name: jb68805-5 Acquired: 6/13/2014 2:24:51 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2065**	**-.0002**	**.0004**	**.0009**	**.0005**	**.0280**	**7.605**	**.0041**	**.0002**
Stddev	.0001	.0000	.0000	.0003	.0001	.0005	.031	.0003	.0000
%RSD	.0629	17.85	4.566	31.66	15.25	1.772	.4068	6.898	22.46
#1	.2064	-.0002	.0004	.0007	.0005	.0276	7.583	.0039	.0002
#2	.2066	-.0002	.0003	.0012	.0006	.0283	7.627	.0043	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0010**	**.0748**	**.0174**	**.0042**	**.0211**	**.0113**	**-.0013**	**-.0071**	**97.77**
Stddev	.0003	.0004	.0001	.0004	.0001	.0008	.0002	.0071	.04
%RSD	35.94	.4964	.4920	9.080	.5730	7.461	11.76	99.53	.0371
#1	-.0007	.0750	.0173	.0039	.0212	.0107	-.0012	-.0021	97.79
#2	-.0012	.0745	.0174	.0044	.0211	.0119	-.0014	-.0121	97.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0047**	**41.12**	**2.763**	**280.9**	**.7652**	**.0287**	**-.0042**	**13.87**	**-.0014**
Stddev	.0001	.12	.013	2.4	.0038	.0001	.0011	.03	.0004
%RSD	1.631	.2931	.4662	.8518	.4956	.3427	25.50	.1815	32.24
#1	.0046	41.21	2.754	279.2	.7625	.0287	-.0035	13.86	-.0017
#2	.0047	41.04	2.772	282.6	.7679	.0288	-.0050	13.89	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3322**	**.0005**	**-.0341**	**-.0014**	**21.60**	**.0012**	**.0042**
Stddev	.0005	.0002	.0009	.0000	.09	.0006	.0004
%RSD	.1591	41.60	2.642	3.060	.4165	47.46	10.58
#1	.3318	.0003	-.0335	-.0014	21.54	.0008	.0045
#2	.3326	.0006	-.0348	-.0014	21.67	.0016	.0038

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95492.**	**12692.**	**1965.4**	**5837.1**
Stddev	626.	3.	4.6	7.1
%RSD	.65513	.02398	.23447	.12157
#1	95934.	12694.	1968.7	5842.1
#2	95050.	12690.	1962.2	5832.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 2:31:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.030**	**2.001**	**1.995**	**2.003**	**1.973**	**2.092**	**2.064**	**.2516**
Stddev	.004	.001	.002	.002	.001	.003	.004	.002	.0006
%RSD	.2241	.0630	.0973	.0839	.0231	.1463	.1852	.1131	.2405
#1	2.021	2.029	2.002	1.994	2.003	1.971	2.095	2.062	.2520
#2	2.028	2.030	2.000	1.996	2.004	1.975	2.089	2.066	.2512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.060**	**2.016**	**2.053**	**2.095**	**2.037**	**2.018**	**40.59**	**40.22**
Stddev	.003	.002	.004	.005	.004	.004	.001	.06	.04
%RSD	.1589	.0729	.2089	.2271	.2004	.1934	.0650	.1372	.1050
#1	2.033	2.061	2.019	2.049	2.092	2.040	2.018	40.55	40.19
#2	2.028	2.059	2.013	2.056	2.098	2.034	2.017	40.63	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	**39.77**	**40.73**	**41.06**	**42.20**	**2.024**	**2.014**	**1.964**	**5.124**	**2.064**
Stddev	.03	.07	.04	.08	.000	.001	.004	.011	.002
%RSD	.0840	.1789	.0992	.2006	.0142	.0272	.2274	.2052	.0706
#1	39.75	40.68	41.03	42.14	2.024	2.014	1.961	5.131	2.063
#2	39.80	40.79	41.09	42.26	2.025	2.015	1.967	5.116	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: 6/13/2014 2:31:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.029**	F **1.656**	**2.067**	**2.010**	**2.048**	**2.063**
Stddev	.003	.000	.027	.003	.002	.004	.003
%RSD	.1486	.0195	1.648	.1642	.0975	.2017	.1508
#1	2.013	2.029	1.636	2.065	2.011	2.051	2.061
#2	2.017	2.028	1.675	2.069	2.008	2.045	2.065
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99078.**	**12487.**	**2051.4**	**6214.2**
Stddev	100.	9.	3.9	2.6
%RSD	.10119	.07141	.18988	.04251
#1	99007.	12481.	2048.6	6212.3
#2	99149.	12493.	2054.1	6216.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 2:37:21 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	F **.0007**	**.0003**	**.0007**	**-.0002**	**.0007**	**.0003**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0003	.0003	.0003	.0004	.0007
%RSD	8.455	6.059	18.26	73.67	45.16	142.8	48.64	143.6	634.5
#1	.0005	.0002	.0008	.0002	.0005	-.0004	.0004	.0000	-.0006
#2	.0006	.0001	.0006	.0005	.0010	.0000	.0009	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0006**	**.0004**	**-.0004**	**.0016**	**-.0010**	**.0014**	**.0012**	**-.0055**
Stddev	.0001	.0001	.0003	.0001	.0002	.0012	.0007	.0071	.0014
%RSD	8.026	9.322	89.93	15.20	12.66	112.0	50.56	578.5	24.45
#1	.0008	.0006	.0006	-.0005	.0017	-.0002	.0019	.0063	-.0046
#2	.0007	.0006	.0001	-.0004	.0014	-.0019	.0009	-.0038	-.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.0044**	**.0263**	**.0529**	**.0016**	**.0012**	**.0001**	**.0022**	**-.0001**
Stddev	.0008	.0178	.0085	.0035	.0006	.0003	.0001	.0003	.0001
%RSD	15.26	408.2	32.28	6.586	40.42	24.87	232.4	11.33	90.30
#1	.0047	-.0082	.0323	.0504	.0020	.0015	.0000	.0024	.0000
#2	.0058	.0169	.0203	.0554	.0011	.0010	.0002	.0020	-.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: 6/13/2014 2:37:21 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0034**	**.0009**	**.0006**	**-.0004**	**.0010**
Stddev	.0000	.0002	.0032	.0000	.0001	.0009	.0002
%RSD	1.737	33.47	94.84	4.785	15.79	216.8	15.68
#1	.0002	.0004	.0057	.0009	.0005	.0002	.0011
#2	.0002	.0007	.0011	.0009	.0007	-.0010	.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	**105720.**	**12576.**	**2147.9**	**6940.2**
Stddev	84.	37.	.0	2.7
%RSD	.07904	.29093	.00212	.03913
#1	105780.	12602.	2147.9	6938.3
#2	105660.	12550.	2147.8	6942.1

Zoom In Zoom Out

Sample Name: jb68891-10 Acquired: 6/13/2014 2:43:40 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.367**	**.0002**	**.0012**	**.0019**	**.0105**	**.0080**	**24.07**	**.0125**	**-.0001**
Stddev	.002	.0000	.0001	.0001	.0007	.0001	.03	.0004	.0002
%RSD	.1748	10.35	8.262	5.570	6.629	.8283	.1419	3.022	137.0
#1	1.366	.0002	.0012	.0020	.0100	.0081	24.10	.0128	.0000
#2	1.369	.0002	.0013	.0018	.0110	.0080	24.05	.0122	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0133**	**.0256**	**.0136**	**.0122**	**.0135**	**.0110**	**-.0002**	**.0117**	**304.8**
Stddev	.0000	.0001	.0005	.0027	.0006	.0014	.0008	.0096	.6
%RSD	.1416	.2857	3.795	21.97	4.618	12.93	393.6	81.95	.2000
#1	-.0134	.0257	.0132	.0103	.0131	.0100	.0004	.0185	305.2
#2	-.0133	.0255	.0139	.0141	.0140	.0120	-.0008	.0049	304.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**68.05**	**38.94**	**18.94**	**1169.**	**.2901**	**-.0005**	**-.0114**	**13.95**	**-.0073**
Stddev	.16	.31	.04	5.	.0008	.0001	.0006	.00	.0001
%RSD	.2385	.7940	.2327	.4505	.2614	10.38	4.930	.0201	1.674
#1	68.16	39.16	18.91	1166.	.2906	-.0005	-.0118	13.95	-.0072
#2	67.93	38.72	18.97	1173.	.2896	-.0005	-.0110	13.95	-.0074

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.907**	**.0021**	**-.0069**	**-.0039**	**.5317**	**.0041**	**.0056**
Stddev	.002	.0002	.0014	.0000	.0039	.0002	.0000
%RSD	.1244	8.246	20.31	.3734	.7374	3.893	.4119
#1	1.905	.0020	-.0059	-.0039	.5290	.0040	.0056
#2	1.908	.0022	-.0079	-.0039	.5345	.0042	.0056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85809.**	**12195.**	**1768.1**	**5024.9**
Stddev	4.	46.	4.4	5.2
%RSD	.00451	.38024	.24608	.10342
#1	85812.	12162.	1771.2	5028.5
#2	85806.	12227.	1765.0	5021.2

Zoom In Zoom Out

Sample Name: jb68891-11 Acquired: 6/13/2014 2:50:10 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6890**	**.0003**	**.0011**	**.0001**	**.0073**	**.0014**	**22.23**	**.0077**	**.0009**
Stddev	.0001	.0000	.0001	.0004	.0002	.0001	.22	.0003	.0001
%RSD	.0079	6.029	12.16	503.3	2.529	5.599	.9795	4.342	6.029
#1	.6890	.0003	.0012	-.0002	.0075	.0013	22.08	.0079	.0010
#2	.6889	.0003	.0010	.0004	.0072	.0014	22.38	.0074	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0139**	**.0030**	**.0057**	**.0041**	**.0045**	**.0157**	**-.0003**	**.0042**	**256.8**
Stddev	.0003	.0003	.0011	.0006	.0008	.0010	.0007	.0063	.8
%RSD	2.319	8.449	19.64	15.56	18.29	6.505	237.2	149.6	.3005
#1	-.0136	.0032	.0065	.0036	.0051	.0150	.0002	-.0002	257.4
#2	-.0141	.0028	.0049	.0045	.0039	.0164	-.0008	.0087	256.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.05**	**48.61**	**33.83**	**401.4**	**.2257**	**.0004**	**-.0082**	**16.93**	**-.0068**
Stddev	.00	.14	.04	3.6	.0023	.0002	.0006	.13	.0002
%RSD	.0221	.2982	.1233	.9048	1.036	49.54	7.575	.7627	3.505
#1	22.05	48.72	33.86	404.0	.2240	.0002	-.0086	16.84	-.0066
#2	22.05	48.51	33.80	398.9	.2273	.0005	-.0078	17.02	-.0069

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.037**	**.0014**	**-.0210**	**-.0039**	**.5904**	**.0037**	**.0047**
Stddev	.000	.0003	.0005	.0001	.0053	.0003	.0001
%RSD	.0105	20.57	2.154	2.457	.8897	7.770	2.284
#1	2.037	.0012	-.0206	-.0040	.5867	.0035	.0047
#2	2.037	.0016	-.0213	-.0038	.5942	.0039	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92621.**	**12504.**	**1885.0**	**5517.3**
Stddev	501.	68.	16.9	41.1
%RSD	.54100	.54474	.89904	.74503
#1	92975.	12456.	1896.9	5546.3
#2	92267.	12552.	1873.0	5488.2

Zoom In Zoom Out

Sample Name: jb68891-12 Acquired: 6/13/2014 2:56:34 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.075**	**.0005**	**.0009**	**.0060**	**.0105**	**.0087**	**15.71**	**.0133**	**.0004**
Stddev	.001	.0000	.0000	.0002	.0005	.0002	.15	.0000	.0004
%RSD	.0546	.3874	4.851	3.929	4.786	2.671	.9501	.0812	101.0
#1	1.075	.0005	.0009	.0062	.0102	.0089	15.61	.0133	.0001
#2	1.075	.0005	.0009	.0059	.0109	.0085	15.82	.0133	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0072**	**.0288**	**.0114**	**.0051**	**.0053**	**.0105**	**-.0007**	**.0441**	**129.8**
Stddev	.0002	.0001	.0003	.0023	.0008	.0012	.0005	.0053	.1
%RSD	3.032	.3013	2.550	45.02	15.27	11.11	80.34	12.00	.0443
#1	-.0070	.0289	.0116	.0035	.0058	.0096	-.0010	.0478	129.8
#2	-.0073	.0287	.0112	.0068	.0047	.0113	-.0003	.0403	129.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**30.07**	**15.74**	**32.16**	**589.4**	**.1695**	**.0008**	**-.0052**	**9.825**	**-.0030**
Stddev	.01	.00	.01	2.3	.0001	.0000	.0001	.009	.0015
%RSD	.0430	.0220	.0394	.3957	.0562	5.350	1.394	.0947	49.09
#1	30.06	15.74	32.17	591.0	.1696	.0008	-.0052	9.832	-.0040
#2	30.07	15.74	32.15	587.7	.1694	.0007	-.0053	9.819	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9221**	**.0025**	**-.0233**	**-.0032**	**1.063**	**.0034**	**.0063**
Stddev	.0010	.0005	.0002	.0001	.007	.0009	.0002
%RSD	.1103	18.82	.7440	2.051	.6262	26.97	3.944
#1	.9214	.0022	-.0234	-.0031	1.058	.0027	.0064
#2	.9228	.0029	-.0231	-.0032	1.067	.0040	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91766.**	**12618.**	**1893.0**	**5484.1**
Stddev	571.	7.	.4	.1
%RSD	.62177	.05898	.02245	.00193
#1	92169.	12613.	1892.7	5484.1
#2	91362.	12624.	1893.3	5484.2

Zoom In Zoom Out

Sample Name: jb69043-1 Acquired: 6/13/2014 3:02:58 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0375**	**.0010**	**.0002**	**-.0010**	**3.177**	**.0038**	**.1907**	**.0015**	**-.0007**
Stddev	.0001	.0001	.0001	.0001	.005	.0002	.0001	.0002	.0000
%RSD	.1983	13.01	43.70	6.228	.1729	4.206	.0419	11.10	1.619
#1	.0374	.0009	.0002	-.0010	3.173	.0039	.1907	.0016	-.0007
#2	.0375	.0011	.0001	-.0011	3.181	.0036	.1908	.0014	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**-.0033**	**.0007**	**-.0068**	**.0178**	**.0009**	**.0055**	**-.0001**	**89.29**
Stddev	.0003	.0003	.0010	.0001	.0015	.0038	.0014	.0070	.32
%RSD	31.29	8.401	145.7	2.001	8.283	436.1	25.55	7247.	.3629
#1	.0010	-.0031	.0014	-.0069	.0167	-.0018	.0045	.0049	89.06
#2	.0007	-.0035	.0000	-.0067	.0188	.0035	.0065	-.0051	89.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0330**	**108.0**	**54.01**	**1405.**	**.6082**	**.0077**	**-.0040**	**7.088**	**.0011**
Stddev	.0029	.3	.10	20.	.0001	.0000	.0001	.025	.0003
%RSD	8.920	.3110	.1926	1.393	.0246	.0849	2.804	.3541	27.21
#1	.0309	107.8	53.94	1391.	.6080	.0077	-.0040	7.070	.0014
#2	.0350	108.2	54.09	1419.	.6083	.0077	-.0041	7.106	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7854**	**.0000**	**-.0282**	**.0654**	**704.8**	**.0045**	**.0238**
Stddev	.0021	.0000	.0015	.0002	2.1	.0000	.0010
%RSD	.2663	6.993	5.187	.2971	.2981	.8182	4.415
#1	.7840	.0000	-.0271	.0652	703.3	.0045	.0230
#2	.7869	.0000	-.0292	.0655	706.3	.0045	.0245

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84391.**	**12191.**	**1759.3**	**4921.1**
Stddev	272.	48.	8.7	15.8
%RSD	.32287	.39420	.49440	.32070
#1	84584.	12225.	1765.5	4932.2
#2	84199.	12157.	1753.2	4909.9

Zoom In Zoom Out

Sample Name: jb69077-1 Acquired: 6/13/2014 3:09:15 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8391**	**.0000**	**.0316**	**-.0851**	**289.7**	**.0861**	**13.46**	**.0312**	**.0082**
Stddev	.0011	.000	.0015	.0000	1.0	.0002	.00	.0006	.0002
%RSD	.1301	331.8	4.731	.0340	.3532	.2581	.0188	1.771	3.047
#1	.8398	.0000	.0326	-.0851	290.5	.0859	13.47	.0309	.0080
#2	.8383	-.0001	.0305	-.0851	289.0	.0862	13.46	.0316	.0084

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**-1.346**	**1.433**	**.2281**	**-.0130**	**-.0537**	**27.11**	**.0650**	**440.8**
Stddev	-----	.005	.005	.0017	.0016	.0050	.02	.0033	2.2
%RSD	-----	.3793	.3700	.7673	12.40	9.356	.0589	5.031	.5012
#1	-----	-1.349	1.437	.2293	-.0141	-.0573	27.12	.0627	439.3
#2	-----	-1.342	1.430	.2268	-.0119	-.0502	27.10	.0673	442.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5904**	**181.2**	**24.26**	**742.9**	**2.279**	**.1437**	**-.0188**	**42.92**	**-.1735**
Stddev	.0048	.3	.00	6.2	.001	.0013	.0008	.10	.0007
%RSD	.8159	.1563	.0166	.8376	.0554	.8703	4.171	.2232	.4042
#1	.5870	181.0	24.26	738.5	2.280	.1446	-.0193	42.99	-.1730
#2	.5938	181.4	24.27	747.3	2.278	.1428	-.0182	42.85	-.1740

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.292**	**.1035**	**-.0023**	*****	**1794.**	**2.630**	**.0154**
Stddev	.008	.0007	.0023	-----	2.	.007	.0000
%RSD	.2294	.6858	100.2	-----	.1149	.2569	.0536
#1	3.297	.1030	-.0039	-----	1796.	2.635	.0154
#2	3.287	.1040	-.0007	-----	1793.	2.625	.0154

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84007.**	**11927.**	**336.49**	**5122.4**
Stddev	243.	87.	.15	11.6
%RSD	.28964	.73058	.04391	.22570
#1	84179.	11989.	336.60	5130.6
#2	83834.	11865.	336.39	5114.2

Zoom In Zoom Out

Sample Name: jb69077-1 Acquired: 6/13/2014 3:15:44 Type: Unk
Method: Accutest1(v149) 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	**.8272**	**-.0002**	**.0092**	**-.0802**	**346.2**	**.0934**	**13.94**	**.0406**	**.0066**
Stddev	.0010	.0001	.0003	.0011	2.2	.0005	.04	.0000	.0004
%RSD	.1165	69.23	3.747	1.409	.6333	.5250	.2686	.1136	6.044
#1	.8278	-.0003	.0090	-.0794	347.8	.0938	13.96	.0406	.0064
#2	.8265	-.0001	.0095	-.0809	344.7	.0931	13.91	.0405	.0069

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**-.2762**	**.2598**	**-.0066**	**.0122**	**-.0258**	**4.363**	**.0573**	**452.6**
Stddev	-----	.0024	.0061	.0029	.0021	.0027	.038	.0260	1.9
%RSD	-----	.8687	2.358	43.75	17.38	10.54	.8701	45.41	.4117
#1	-----	-.2745	.2641	-.0045	.0137	-.0238	4.336	.0757	451.3
#2	-----	-.2779	.2555	-.0086	.0107	-.0277	4.390	.0389	453.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5268**	**178.6**	**23.52**	**787.1**	**.7426**	**.0456**	**-.0188**	**13.63**	**-.0504**
Stddev	.0016	1.0	.01	11.4	.0010	.0004	.0021	.01	.0047
%RSD	.2944	.5480	.0588	1.448	.1298	.9776	11.40	.0675	9.266
#1	.5279	177.9	23.51	779.0	.7419	.0452	-.0204	13.63	-.0471
#2	.5257	179.3	23.53	795.1	.7433	.0459	-.0173	13.64	-.0537

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.229**	**.0294**	**-.0792**	**-.1784**	**569.7**	**.8709**	**.0164**
Stddev	.001	.0004	.0057	.0002	1.2	.0032	.0002
%RSD	.0278	1.462	7.195	.1256	.2071	.3695	1.452
#1	3.230	.0291	-.0752	-.1782	570.5	.8686	.0162
#2	3.229	.0297	-.0832	-.1785	568.8	.8732	.0166

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89598.**	**12018.**	**1091.9**	**5483.2**
Stddev	53.	90.	1.2	.6
%RSD	.05948	.74501	.10688	.01138
#1	89560.	12082.	1092.7	5482.8
#2	89636.	11955.	1091.0	5483.7

Zoom In Zoom Out

Sample Name: jb69077-1 Acquired: 6/13/2014 3:22:09 Type: Unk
Method: Accutest1(v149) 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	**.8319**	**-.0004**	**.0081**	**-.0762**	**397.8**	**.0911**	**14.60**	**.0445**	**.0034**
Stddev	.0014	.0000	.0007	.0002	1.4	.0012	.02	.0025	.0002
%RSD	.1675	2.897	8.844	.2609	.3480	1.270	.1166	5.648	4.688
#1	.8329	-.0004	.0086	-.0760	398.8	.0919	14.61	.0427	.0033
#2	.8309	-.0004	.0076	-.0763	396.8	.0902	14.59	.0462	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0472**	**-.1428**	**.1023**	**-.0716**	**.0268**	**-.0035**	**1.244**	**.0377**	**462.5**
Stddev	.0021	.0020	.0058	.0115	.0038	.0060	.017	.0355	.4
%RSD	4.546	1.385	5.713	16.07	14.08	174.2	1.331	94.14	.0961
#1	.0457	-.1442	.0981	-.0798	.0242	.0008	1.233	.0126	462.2
#2	.0487	-.1414	.1064	-.0635	.0295	-.0077	1.256	.0628	462.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5211**	**179.6**	**23.26**	**801.9**	**.5123**	**.0310**	**-.0235**	**9.727**	**-.0398**
Stddev	.0063	.2	.12	2.0	.0040	.0014	.0054	.019	.0020
%RSD	1.216	.1335	.4961	.2443	.7795	4.386	22.83	.1967	5.036
#1	.5256	179.4	23.17	800.6	.5094	.0300	-.0273	9.713	-.0412
#2	.5166	179.8	23.34	803.3	.5151	.0319	-.0197	9.740	-.0384

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.246**	**.0158**	**-.1742**	**-.1294**	**392.8**	**.6398**	**.0145**
Stddev	.002	.0000	.0066	.0009	1.0	.0054	.0008
%RSD	.0505	.1461	3.814	.6582	.2420	.8442	5.722
#1	3.244	.0158	-.1695	-.1300	392.2	.6437	.0140
#2	3.247	.0159	-.1789	-.1288	393.5	.6360	.0151

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95732.**	**12323.**	**1636.7**	**5940.5**
Stddev	11.	27.	2.2	3.4
%RSD	.01198	.22267	.13281	.05781
#1	95724.	12343.	1638.3	5942.9
#2	95740.	12304.	1635.2	5938.0

Zoom In Zoom Out

Sample Name: jb69077-1 Acquired: 6/13/2014 3:28:31 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8387**	**-.0003**	**.0070**	**-.0795**	**420.2**	**.2024**	**14.82**	**.1116**	**.0035**
Stddev	.0047	.0004	.0005	.0002	.6	.0009	.04	.0006	.0003
%RSD	.5601	173.7	7.713	.2972	.1367	.4235	.2451	.5209	8.477
#1	.8353	.0001	.0067	-.0793	419.8	.2030	14.84	.1111	.0033
#2	.8420	-.0006	.0074	-.0797	420.6	.2017	14.79	.1120	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0783**	**.4376**	**.0472**	**-.0913**	**.0317**	**.0295**	**.4592**	**.0745**	**473.9**
Stddev	.0066	.0023	.0145	.0024	.0062	.0013	.0118	.0074	3.1
%RSD	8.472	.5317	30.73	2.594	19.66	4.339	2.566	9.931	.6502
#1	.0736	.4393	.0575	-.0896	.0361	.0286	.4675	.0693	471.7
#2	.0830	.4360	.0369	-.0930	.0272	.0304	.4509	.0798	476.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5550**	**183.3**	**23.33**	**824.5**	**.4493**	**.0208**	**-.0247**	**8.871**	**-.0235**
Stddev	.0566	1.5	.20	3.1	.0145	.0011	.0032	.013	.0024
%RSD	10.20	.8000	.8584	.3817	3.235	5.396	13.07	.1411	10.26
#1	.5950	182.2	23.19	822.3	.4596	.0216	-.0270	8.863	-.0218
#2	.5150	184.3	23.47	826.8	.4390	.0200	-.0224	8.880	-.0252

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.277**	**.0078**	**-.3364**	**-.1284**	**351.2**	**.5911**	**.0250**
Stddev	.013	.0009	.0050	.0010	.5	.0058	.0041
%RSD	.3917	11.18	1.479	.7952	.1388	.9802	16.38
#1	3.268	.0072	-.3329	-.1292	351.5	.5952	.0279
#2	3.286	.0084	-.3399	-.1277	350.9	.5870	.0221

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99868.**	**12369.**	**1854.9**	**6234.3**
Stddev	141.	121.	1.2	2.3
%RSD	.14079	.97577	.06277	.03658
#1	99769.	12454.	1854.1	6235.9
#2	99968.	12284.	1855.7	6232.7

Zoom In Zoom Out

Sample Name: mp80012-b1 2 Acquired: 6/13/2014 3:34:46 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.013**	**.0525**	**.0486**	**.4920**	**.2057**	**.2383**	**.5292**	**.5201**	**.0522**
Stddev	.009	.0003	.0003	.0021	.0022	.0019	.0046	.0030	.0002
%RSD	.4588	.6430	.5223	.4307	1.052	.7815	.8639	.5696	.3473
#1	2.020	.0527	.0484	.4905	.2042	.2370	.5259	.5180	.0524
#2	2.007	.0522	.0487	.4935	.2072	.2396	.5324	.5222	.0521

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4909**	**.5263**	**2.104**	**2.149**	**.5325**	**2.176**	**.5151**	**2.012**	**25.13**
Stddev	.0038	.0047	.011	.023	.0025	.014	.0016	.006	.18
%RSD	.7710	.8995	.5207	1.052	.4760	.6366	.3080	.3231	.6990
#1	.4882	.5230	2.096	2.133	.5307	2.166	.5140	2.016	25.26
#2	.4936	.5297	2.111	2.165	.5343	2.186	.5162	2.007	25.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.036**	**26.26**	**26.03**	**26.48**	**2.044**	**2.062**	**2.068**	**1.868**	**2.082**
Stddev	.011	.16	.12	.13	.013	.015	.016	.007	.016
%RSD	1.102	.5981	.4501	.4815	.6104	.7274	.7790	.3887	.7798
#1	1.044	26.38	26.11	26.57	2.035	2.051	2.057	1.863	2.070
#2	1.028	26.15	25.94	26.39	2.053	2.072	2.080	1.874	2.093

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.016**	**1.998**	**-.0242**	**.0132**	**.0095**	**-.0038**	**.0010**
Stddev	.010	.014	.0000	.0008	.0027	.0003	.0011
%RSD	.4982	.6843	.0822	6.417	28.83	8.122	116.4
#1	2.023	1.988	-.0242	.0138	.0114	-.0036	.0018
#2	2.009	2.008	-.0242	.0126	.0075	-.0040	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102300.**	**12583.**	**2080.0**	**6450.9**
Stddev	624.	93.	8.1	22.6
%RSD	.61033	.74051	.38946	.35066
#1	102740.	12517.	2085.7	6466.9
#2	101860.	12648.	2074.3	6434.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 3:40:49 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.020**	**1.998**	**1.993**	**2.004**	**1.948**	**2.084**	**2.065**	**.2497**
Stddev	.003	.004	.003	.003	.004	.014	.001	.003	.0009
%RSD	.1515	.1876	.1276	.1615	.2263	.7250	.0398	.1371	.3422
#1	2.021	2.023	1.996	1.991	2.001	1.958	2.084	2.063	.2503
#2	2.017	2.018	1.999	1.996	2.007	1.938	2.085	2.067	.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	**2.012**	**2.063**	**2.018**	**2.034**	**2.101**	**2.036**	**2.016**	**40.32**	**40.43**
Stddev	.003	.002	.004	.004	.000	.002	.005	.05	.02
%RSD	.1305	.1074	.2120	.1711	.0145	.1089	.2389	.1341	.0481
#1	2.013	2.062	2.015	2.031	2.101	2.034	2.012	40.36	40.42
#2	2.010	2.065	2.021	2.036	2.101	2.037	2.019	40.28	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	**39.60**	**40.86**	**41.17**	**42.06**	**2.019**	**2.010**	**1.945**	**5.115**	**2.067**
Stddev	.05	.15	.06	.07	.006	.005	.017	.003	.004
%RSD	.1143	.3603	.1361	.1590	.2997	.2451	.8515	.0501	.2043
#1	39.57	40.76	41.21	42.10	2.015	2.007	1.957	5.114	2.064
#2	39.64	40.97	41.13	42.01	2.023	2.014	1.933	5.117	2.070
Check ?	Chk Pass	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: 6/13/2014 3:40:49 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.021**	F **1.659**	**2.062**	**1.998**	**2.044**	**2.071**
Stddev	.002	.001	.031	.003	.001	.003	.001
%RSD	.0902	.0376	1.861	.1362	.0567	.1397	.0358
#1	2.024	2.021	1.638	2.060	1.997	2.042	2.072
#2	2.021	2.022	1.681	2.064	1.998	2.046	2.071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99574.**	**12409.**	**2060.3**	**6237.1**
Stddev	43.	58.	3.3	5.7
%RSD	.04361	.46889	.15916	.09089
#1	99543.	12450.	2062.7	6241.1
#2	99604.	12368.	2058.0	6233.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 3:46:52 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0004**	**.0006**	**.0004**	**.0008**	**-.0006**	**.0005**	**.0003**	**-.0001**
Stddev	.0000	.0000	.0000	.0000	.0004	.0002	.0000	.0001	.0003
%RSD	6.692	.8517	3.617	.5812	52.52	37.08	3.851	56.07	238.1
#1	.0008	.0004	.0006	.0004	.0005	-.0007	.0005	.0004	.0001
#2	.0007	.0004	.0006	.0004	.0011	-.0004	.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	**.0008**	**.0007**	**-.0004**	**.0003**	**.0004**	**-.0004**	**.0010**	**.0071**	**.0036**
Stddev	.0001	.0001	.0010	.0004	.0005	.0017	.0016	.0005	.0029
%RSD	18.84	17.59	273.0	170.6	138.0	441.6	163.7	7.134	79.73
#1	.0009	.0008	.0003	.0006	.0000	-.0016	-.0002	.0074	.0057
#2	.0007	.0006	-.0010	-.0001	.0007	.0008	.0021	.0067	.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	F **.0115**	**.0178**	**.0529**	**.0976**	**.0016**	**.0015**	**.0004**	**.0023**	**-.0001**
Stddev	.0000	.0052	.0258	.0013	.0009	.0000	.0000	.0004	.0000
%RSD	.0060	28.88	48.77	1.297	54.70	3.285	6.711	17.24	25.90
#1	.0115	.0215	.0711	.0967	.0022	.0015	.0005	.0025	-.0001
#2	.0115	.0142	.0346	.0985	.0010	.0015	.0004	.0020	-.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: 6/13/2014 3:46:52 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0005**	**.0040**	**.0009**	**.0030**	**-.0004**	**.0016**
Stddev	.0001	.0000	.0026	.0001	.0007	.0001	.0002
%RSD	26.84	9.415	64.12	8.799	24.51	21.99	13.37
#1	.0005	.0005	.0059	.0010	.0025	-.0004	.0014
#2	.0003	.0006	.0022	.0009	.0036	-.0003	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**106180.**	**12568.**	**2155.0**	**6959.7**
Stddev	66.	4.	1.1	3.0
%RSD	.06207	.03404	.05257	.04282
#1	106130.	12565.	2155.8	6961.8
#2	106220.	12571.	2154.2	6957.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/13/2014 3:53:11 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2053**	**.0022**	**.0034**	**.0500**	**.0113**	**.0092**	**.0165**	**.0105**	**.0047**
Stddev	.0001	.0000	.0002	.0003	.0000	.0001	.0001	.0002	.0001
%RSD	.0479	.3019	5.827	.6650	.0258	1.613	.3593	1.949	1.509
#1	.2052	.0022	.0033	.0498	.0113	.0091	.0164	.0106	.0046
#2	.2054	.0022	.0036	.0503	.0113	.0093	.0165	.0103	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0520**	**.0236**	**.0067**	**.0081**	**.0035**	**.0120**	**.0062**	**.2085**	**5.033**
Stddev	.0000	.0000	.0001	.0001	.0016	.0020	.0002	.0016	.009
%RSD	.0398	.0527	1.933	1.149	46.96	16.29	3.615	.7815	.1817
#1	.0520	.0236	.0068	.0082	.0023	.0107	.0064	.2074	5.039
#2	.0520	.0236	.0066	.0081	.0046	.0134	.0060	.2097	5.027

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1054**	**5.464**	**5.263**	**5.307**	**.1040**	**.0207**	**.0563**	**.2217**	**.0111**
Stddev	.0049	.075	.009	.008	.0003	.0001	.0006	.0009	.0001
%RSD	4.653	1.364	.1778	.1453	.2793	.2739	1.148	.4258	.4955
#1	.1020	5.517	5.256	5.313	.1038	.0207	.0568	.2210	.0110
#2	.1089	5.412	5.269	5.302	.1042	.0207	.0559	.2223	.0111

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0105**	**.0109**	**.0481**	**.0122**	**.0519**	**.0217**	**.0236**
Stddev	.0000	.0000	.0010	.0001	.0003	.0004	.0009
%RSD	.2037	.4350	2.118	.4208	.4884	1.625	3.878
#1	.0105	.0109	.0488	.0122	.0517	.0220	.0243
#2	.0105	.0108	.0473	.0122	.0520	.0215	.0230

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105700.**	**12596.**	**2147.5**	**6839.4**
Stddev	35.	22.	9.9	16.7
%RSD	.03269	.17563	.46119	.24489
#1	105680.	12581.	2154.5	6851.2
#2	105730.	12612.	2140.5	6827.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/13/2014 3:59:24 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0044**	**.0009**	**.0011**	**.0029**	**.0022**	**.0009**	**.0032**	**.0042**	**.0008**
Stddev	.0000	.0000	.0000	.0001	.0001	.0000	.0000	.0001	.0002
%RSD	.2378	4.808	1.491	2.724	5.526	.4735	.5841	1.576	26.60
#1	.0044	.0009	.0011	.0029	.0022	.0009	.0033	.0041	.0006
#2	.0044	.0010	.0011	.0028	.0021	.0009	.0032	.0042	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0122**	**.0021**	**.0012**	**.0027**	**.0070**	**.0041**	**.1045**	**1.023**
Stddev	.0000	.0000	.0001	.0006	.0003	.0019	.0010	.0051	.000
%RSD	1.899	.2948	5.096	48.71	9.313	27.43	24.51	4.854	.0437
#1	.0021	.0122	.0022	.0008	.0029	.0056	.0048	.1081	1.024
#2	.0021	.0122	.0020	.0016	.0025	.0083	.0034	.1009	1.023

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**.1315**	**2.153**	**1.141**	**.0095**	**-.0012**	**-.0001**	**-.0022**	**-.0002**
Stddev	.0001	.0259	.021	.003	.0007	.0000	.0004	.0003	.0003
%RSD	3.950	19.67	.9861	.2370	6.893	1.207	427.4	15.40	121.7
#1	.0025	.1132	2.168	1.143	.0091	-.0013	-.0004	-.0020	-.0005
#2	.0026	.1498	2.138	1.139	.0100	-.0012	.0002	-.0024	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0211**	**-.0008**	**.0001**	**-.0009**	**.0005**
Stddev	.0000	.0001	.0010	.0000	.0017	.0003	.0005
%RSD	30.50	60.47	4.645	1.084	1220.	33.83	89.60
#1	.0000	-.0002	-.0204	-.0008	-.0010	-.0012	.0002
#2	-.0001	-.0001	-.0218	-.0008	.0013	-.0007	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106290.**	**12531.**	**2162.1**	**6948.2**
Stddev	7.	31.	2.4	.7
%RSD	.00702	.24872	.11275	.01064
#1	106290.	12509.	2163.8	6947.7
#2	106300.	12553.	2160.4	6948.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/13/2014 4:05:43 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**.0000**	**.0000**	**.0003**	**-.0011**	**-.0001**	**.0000**	**-.0001**
Stddev	.0002	.0000	.0000	.000	.0002	.0001	.0001	.000	.0002
%RSD	128.2	1.303	70.93	258.4	49.28	4.685	81.72	1975.	233.5
#1	.0000	-.0001	.0001	.0000	.0002	-.0011	.0000	.0002	-.0002
#2	.0003	-.0001	.0000	-.0001	.0005	-.0010	-.0001	-.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0003**	**.0204**	**.0006**	**.0205**	**.0230**	**.0203**	**.5031**	**-.0081**
Stddev	.0000	.0000	.0005	.0017	.0003	.0002	.0002	.0017	.0027
%RSD	7.195	8.833	2.356	280.8	1.642	.9441	1.190	.3428	33.12
#1	.0001	.0003	.0200	.0019	.0208	.0232	.0201	.5043	-.0100
#2	.0002	.0003	.0207	-.0006	.0203	.0229	.0205	.5019	-.0062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5145**	**.0253**	**.0184**	**.0588**	**-.0007**	**-.0015**	**-.0004**	**-.0011**	**-.0006**
Stddev	.0063	.0017	.0090	.0000	.0006	.0002	.0003	.0003	.0001
%RSD	1.215	6.872	48.67	.0278	79.72	10.64	64.77	30.68	9.133
#1	.5101	.0265	.0248	.0588	-.0003	-.0017	-.0002	-.0013	-.0007
#2	.5190	.0241	.0121	.0588	-.0012	-.0014	-.0006	-.0008	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0270**	**-.0009**	**-.0005**	**-.0005**	**.0004**
Stddev	.0000	.0001	.0004	.0000	.0015	.0006	.0002
%RSD	43.05	99.90	1.351	1.618	308.5	135.1	43.38
#1	-.0001	.0000	-.0267	-.0009	-.0015	-.0009	.0005
#2	-.0001	-.0001	-.0273	-.0009	.0006	.0000	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106570.**	**12533.**	**2165.6**	**6981.8**
Stddev	284.	26.	1.8	6.0
%RSD	.26676	.20422	.08462	.08627
#1	106370.	12552.	2166.9	6977.5
#2	106770.	12515.	2164.3	6986.0

Zoom In Zoom Out

Sample Name: vconf Acquired: 6/13/2014 4:12:03 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**.0017**	**.0005**	**.0002**	**.0007**	**-.0021**	**-.0001**	**-.0001**	**.0007**
Stddev	.0001	.0001	.0002	.0000	.0002	.0001	.0000	.0003	.0002
%RSD	145.8	3.765	42.03	16.26	22.61	4.099	27.96	179.5	31.35
#1	.0000	.0017	.0003	.0002	.0008	-.0020	-.0002	-.0003	.0006
#2	.0002	.0016	.0006	.0001	.0006	-.0022	-.0001	.0000	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.575**	**.0026**	**-.0002**	**-.0073**	**.0008**	**-.0025**	**.0010**	**-.0004**	**.0018**
Stddev	.043	.0002	.0001	.0029	.0000	.0017	.0006	.0000	.0030
%RSD	.4492	6.333	79.13	40.44	1.335	67.78	55.27	7.768	171.0
#1	9.605	.0027	-.0002	-.0052	.0008	-.0037	.0014	-.0004	-.0004
#2	9.545	.0025	-.0001	-.0094	.0008	-.0013	.0006	-.0004	.0039

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0007**	**.0009**	**.0127**	**.0394**	**-.0003**	**-.0067**	**-.0002**	**.0080**	**-.0012**
Stddev	.0016	.0151	.0055	.0032	.0002	.0000	.0003	.0011	.0011
%RSD	216.0	1625.	43.58	8.040	52.94	.6051	156.4	13.91	91.20
#1	-.0004	-.0098	.0088	.0417	-.0002	-.0067	-.0004	.0072	-.0020
#2	.0018	.0116	.0166	.0372	-.0005	-.0067	.0000	.0087	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0002**	**-.0380**	**-.0014**	**-.0019**	**-.0050**	**.0010**
Stddev	.0001	.0002	.0005	.0000	.0005	.0004	.0001
%RSD	42.27	101.8	1.367	.5511	26.05	8.291	6.139
#1	-.0001	-.0001	-.0376	-.0014	-.0016	-.0047	.0009
#2	-.0002	-.0004	-.0383	-.0014	-.0023	-.0053	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**107710.**	**12583.**	**2170.5**	**6999.6**
Stddev	524.	111.	34.1	95.7
%RSD	.48655	.88557	1.5699	1.3675
#1	107340.	12662.	2194.6	7067.3
#2	108080.	12505.	2146.4	6931.9

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/13/2014 4:18:21 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**-.0003**	**.0002**	**.0002**	**-.0011**	**-.0017**	**9.953**	**.0000**	**.0003**
Stddev	.0000	.0000	.0001	.0004	.0002	.0000	.003	.000	.0000
%RSD	5.374	2.211	40.09	214.7	17.41	1.912	.0311	60.49	9.733
#1	.0002	-.0003	.0001	.0004	-.0009	-.0017	9.956	.0000	.0004
#2	.0002	-.0003	.0002	-.0001	-.0012	-.0017	9.951	-.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0055**	**.0021**	**-.0005**	**-.0002**	**-.0003**	**.0034**	**.0012**	**.0036**	**.0074**
Stddev	.0004	.0001	.0001	.0008	.0008	.0021	.0002	.0027	.0031
%RSD	6.413	4.002	19.69	330.5	226.7	62.35	19.81	73.67	42.11
#1	-.0057	.0021	-.0006	-.0008	-.0009	.0019	.0014	.0017	.0096
#2	-.0052	.0022	-.0004	.0003	.0002	.0049	.0010	.0055	.0052

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0023**	**-.0558**	**.0174**	**.0349**	**-.0014**	**-.0018**	**-.0001**	**.0345**	**-.0051**
Stddev	.0020	.0052	.0204	.0024	.0012	.0001	.0000	.0007	.0005
%RSD	90.04	9.389	117.4	6.913	85.73	3.163	20.87	1.952	9.240
#1	-.0037	-.0595	.0030	.0332	-.0023	-.0018	-.0001	.0340	-.0054
#2	-.0008	-.0521	.0318	.0366	-.0006	-.0019	-.0001	.0350	-.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0005**	**-.0297**	**-.0017**	**.0000**	**.0006**	**.0004**
Stddev	.0001	.0002	.0005	.0000	.000	.0002	.0004
%RSD	60.33	47.31	1.599	2.730	164.1	32.66	101.6
#1	.0000	-.0003	-.0294	-.0017	.0000	.0005	.0001
#2	-.0001	-.0007	-.0301	-.0018	.0000	.0008	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106780.**	**12562.**	**2153.5**	**6960.9**
Stddev	168.	7.	.0	5.5
%RSD	.15701	.05192	.00004	.07842
#1	106660.	12557.	2153.5	6964.7
#2	106900.	12566.	2153.4	6957.0

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/13/2014 4:24:45 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0002**	**-.0003**	**.0000**	**-.0010**	**-.0013**	**-.0004**	**.0003**
Stddev	.0001	.0000	.0000	.0002	.000	.0000	.0000	.0002	.0003
%RSD	17.68	46.21	20.50	51.89	321.1	1.214	.5609	43.04	111.1
#1	.0003	-.0001	.0003	-.0004	.0001	-.0010	-.0013	-.0003	.0001
#2	.0004	-.0001	.0002	-.0002	-.0002	-.0010	-.0013	-.0006	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0019**	**-.0010**	**-.0030**	**.0001**	**.0059**	**.0013**	**.0119**	**.0175**
Stddev	.0002	.0002	.0005	.0002	.0005	.0012	.0004	.0007	.0035
%RSD	482.8	7.909	53.54	7.129	538.1	19.94	33.00	6.157	19.71
#1	.0002	-.0020	-.0006	-.0029	-.0002	.0067	.0010	.0124	.0199
#2	-.0001	-.0018	-.0013	-.0032	.0004	.0051	.0015	.0114	.0151

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**-.0043**	**.0119**	**.0431**	**.0031**	**-.0014**	**-.0015**	**11.47**	**-.0010**
Stddev	.0016	.0133	.0242	.0108	.0002	.0000	.0007	.01	.0009
%RSD	40.17	307.9	203.5	25.00	6.248	.4064	47.85	.0522	87.41
#1	.0050	.0051	-.0052	.0507	.0033	-.0014	-.0010	11.47	-.0004
#2	.0028	-.0138	.0290	.0355	.0030	-.0014	-.0020	11.46	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0221**	**.0136**	**.0010**	**-.0014**	**.0012**
Stddev	.000	.0002	.0002	.0014	.0002	.0007	.0004
%RSD	223.3	184.3	1.108	10.03	18.17	53.02	33.02
#1	-.0001	.0000	-.0220	.0146	.0009	-.0009	.0015
#2	.0000	-.0003	-.0223	.0127	.0011	-.0019	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106810.**	**12569.**	**2169.5**	**6979.8**
Stddev	429.	73.	2.3	.3
%RSD	.40128	.57973	.10535	.00417
#1	107120.	12621.	2171.1	6979.6
#2	106510.	12518.	2167.9	6980.0

Zoom In Zoom Out

Sample Name: ticonf Acquired: 6/13/2014 4:31:05 Type: Unk
Method: Accutest1(v149) Mode: CONC 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**	**.0011**	**.0007**	**-.0053**	**.0002**	**-.0001**	**-.0007**	**-.0014**	**.0005**
Stddev	.0000	.0001	.0000	.0005	.0001	.0003	.0000	.0002	.0004
%RSD	16.56	9.580	.2419	10.35	29.15	627.1	3.828	11.76	89.95
#1	.0002	.0011	.0007	-.0056	.0002	.0002	-.0007	-.0015	.0008
#2	.0003	.0010	.0007	-.0049	.0001	-.0003	-.0007	-.0012	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0045**	**.0007**	**.0191**	**.0011**	**.0020**	**.0026**	**.0811**	**.0155**
Stddev	.0002	.0000	.0009	.0004	.0001	.0003	.0010	.0040	.0013
%RSD	5.538	.4416	132.7	2.349	11.58	15.82	38.88	4.948	8.655
#1	.0033	.0045	.0000	.0194	.0012	.0017	.0033	.0782	.0145
#2	.0035	.0045	.0013	.0188	.0010	.0022	.0019	.0839	.0164

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0123**	**-.0336**	**.0170**	**.0240**	**-.0001**	**-.0050**	**-.0049**	**-.9507**	**-.0032**
Stddev	.0005	.0032	.0115	.0034	.0001	.0001	.0008	.0250	.0003
%RSD	3.659	9.650	67.72	13.95	89.77	2.558	16.55	2.633	8.770
#1	.0126	-.0359	.0252	.0264	-.0001	-.0049	-.0055	-.9684	-.0034
#2	.0120	-.0313	.0089	.0216	.0000	-.0051	-.0043	-.9330	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**10.15**	**-.0298**	**.0019**	**.0045**	**-.0141**	**.0001**
Stddev	.0000	.14	.0009	.0002	.0010	.0003	.0019
%RSD	13.14	1.350	2.859	10.94	22.93	1.891	1252.
#1	-.0001	10.24	-.0304	.0021	.0038	-.0139	-.0012
#2	-.0001	10.05	-.0292	.0018	.0053	-.0143	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105490.**	**12599.**	**2164.3**	**6959.3**
Stddev	891.	21.	4.5	.4
%RSD	.84447	.16943	.20602	.00512
#1	104860.	12614.	2167.5	6959.5
#2	106120.	12584.	2161.2	6959.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 4:37:23 Type: QC
Method: Accutest1(v149) 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	**2.015**	**2.018**	**1.994**	**1.989**	**2.003**	**1.935**	**2.073**	**2.060**	**.2522**
Stddev	.002	.002	.001	.003	.007	.003	.004	.001	.0001
%RSD	.0991	.0842	.0613	.1280	.3449	.1505	.1988	.0589	.0410
#1	2.013	2.019	1.995	1.991	2.008	1.933	2.076	2.061	.2521
#2	2.016	2.017	1.993	1.987	1.999	1.937	2.070	2.060	.2523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**2.062**	**2.017**	**2.022**	**2.095**	**2.026**	**2.008**	**40.26**	**40.73**
Stddev	.004	.004	.000	.001	.001	.003	.002	.08	.04
%RSD	.2230	.1845	.0148	.0705	.0268	.1211	.0737	.1881	.0898
#1	1.998	2.059	2.017	2.023	2.096	2.028	2.009	40.31	40.76
#2	1.992	2.064	2.017	2.021	2.095	2.024	2.007	40.20	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	**39.76**	**41.17**	**41.31**	**42.34**	**2.010**	**2.007**	**1.942**	**5.113**	**2.064**
Stddev	.05	.13	.04	.01	.002	.003	.002	.007	.003
%RSD	.1291	.3254	.0899	.0207	.1036	.1390	.0938	.1367	.1375
#1	39.79	41.27	41.28	42.35	2.009	2.005	1.940	5.118	2.066
#2	39.72	41.08	41.34	42.33	2.012	2.009	1.943	5.108	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 4:37:23 Type: QC
Method: Accutest1(v149) 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	**2.033**	**2.014**	F **1.690**	**2.065**	**1.994**	**2.038**	**2.074**
Stddev	.000	.002	.032	.001	.007	.005	.001
%RSD	.0187	.0729	1.868	.0665	.3393	.2545	.0650
#1	2.033	2.015	1.667	2.066	1.999	2.042	2.073
#2	2.033	2.013	1.712	2.064	1.989	2.035	2.075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100550.**	**12312.**	**2067.4**	**6267.2**
Stddev	223.	34.	.5	3.4
%RSD	.22131	.27552	.02633	.05365
#1	100400.	12288.	2067.1	6264.8
#2	100710.	12336.	2067.8	6269.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 4:43:25 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	F **.0013**	F **.0009**	**.0009**	F **.0015**	**.0002**	**.0015**	**.0007**	**.0001**
Stddev	.0003	.0001	.0002	.0000	.0002	.0002	.0001	.0004	.0000
%RSD	15.95	8.810	24.62	4.144	10.90	109.5	5.058	50.35	23.95
#1	.0017	.0012	.0011	.0009	.0016	.0000	.0015	.0010	.0001
#2	.0021	.0014	.0008	.0009	.0014	.0003	.0014	.0005	.0001
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0006		.0012				
Low Limit		-.0010	-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0012**	**.0004**	**.0007**	**.0007**	**-.0002**	**.0014**	**.0218**	**.0212**
Stddev	.0001	.0002	.0000	.0002	.0003	.0002	.0004	.0113	.0016
%RSD	7.963	21.14	7.211	28.19	47.39	80.50	24.67	51.77	7.352
#1	.0012	.0013	.0004	.0005	.0009	-.0003	.0012	.0138	.0201
#2	.0014	.0010	.0004	.0008	.0005	-.0001	.0017	.0298	.0223
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 **.0242**	**.0463**	**.0731**	**.0681**	**.0013**	**.0017**	**.0010**	**.0029**	**.0005**
Stddev	.0056	.0073	.0110	.0076	.0006	.0007	.0002	.0012	.0007
%RSD	23.34	15.81	15.11	11.10	44.23	38.70	20.86	40.23	153.8
#1	.0202	.0411	.0653	.0627	.0016	.0022	.0008	.0037	.0010
#2	.0281	.0514	.0809	.0734	.0009	.0013	.0011	.0021	.0000
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: 6/13/2014 4:43:25 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0015**	F **.0015**	**.0050**	F **.0012**	**.0006**	**-.0003**	**.0018**
Stddev	.0002	.0005	.0029	.0001	.0012	.0009	.0002
%RSD	14.73	31.08	57.44	4.579	207.3	278.4	8.586
#1	.0013	.0012	.0071	.0012	-.0003	.0003	.0019
#2	.0016	.0018	.0030	.0013	.0014	-.0010	.0017
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0010	.0010		.0010			
Low Limit	-.0010	-.0010		-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107910.**	**12552.**	**2161.5**	**6984.8**
Stddev	1113.	11.	15.0	47.7
%RSD	1.0312	.08774	.69188	.68327
#1	107120.	12559.	2150.9	6951.0
#2	108690.	12544.	2172.1	7018.5

Zoom In Zoom Out

Sample Name: mp80012-mb1 2 Acquired: 6/13/2014 4:49:44 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**.0001**	**-.0002**	**.0004**	**-.0010**	**.0000**	**-.0003**	**-.0001**
Stddev	.0001	.0000	.0000	.0002	.0001	.0002	.000	.0000	.0004
%RSD	4803.	20.36	20.76	102.3	22.02	19.79	72.49	6.403	585.5
#1	-.0001	-.0001	.0001	-.0003	.0004	-.0011	.0000	-.0003	.0002
#2	.0001	-.0001	.0001	.0000	.0005	-.0008	.0000	-.0003	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0012**	**-.0013**	**-.0006**	**.0008**	**.0013**	**.0011**	**-.0026**	**-.0013**
Stddev	.0000	.0001	.0001	.0019	.0008	.0005	.0007	.0038	.0030
%RSD	4.197	10.49	8.784	319.0	94.06	36.27	64.76	146.3	230.4
#1	.0002	.0012	-.0014	-.0020	.0014	.0016	.0006	.0001	-.0035
#2	.0003	.0013	-.0013	.0008	.0003	.0010	.0016	-.0053	.0008

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0106**	**.0127**	**.0290**	**.0317**	**-.0003**	**-.0005**	**-.0008**	**.0294**	**-.0011**
Stddev	.0019	.0132	.0057	.0068	.0002	.0001	.0010	.0003	.0008
%RSD	17.71	104.0	19.56	21.44	56.15	20.87	122.3	.9996	68.33
#1	.0093	.0220	.0250	.0269	-.0002	-.0005	-.0001	.0297	-.0006
#2	.0120	.0034	.0331	.0366	-.0004	-.0004	-.0015	.0292	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0012**	**.0009**	**.0009**	**-.0013**	**.0010**
Stddev	.0000	.0002	.0025	.0000	.0002	.0006	.0011
%RSD	4.349	125.5	206.1	4.598	28.14	43.41	117.8
#1	-.0002	.0000	.0005	.0009	.0007	-.0017	.0018
#2	-.0001	.0003	-.0029	.0009	.0011	-.0009	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106970.**	**12678.**	**2152.8**	**6973.7**
Stddev	124.	46.	2.8	4.8
%RSD	.11625	.35914	.12829	.06909
#1	106880.	12646.	2154.8	6977.1
#2	107060.	12711.	2150.9	6970.3

Zoom In Zoom Out

Sample Name: mp80012-lc1 Acquired: 6/13/2014 4:56:01 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4980**	**.4896**	**.4795**	**.4659**	**.4877**	**.4572**	**.5143**	**.4957**	**.2023**
Stddev	.0002	.0007	.0010	.0015	.0016	.0004	.0010	.0024	.0002
%RSD	.0488	.1520	.2005	.3191	.3292	.0948	.1891	.4742	.1220
#1	.4982	.4891	.4788	.4649	.4865	.4569	.5136	.4940	.2021
#2	.4978	.4901	.4802	.4670	.4888	.4575	.5150	.4974	.2025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4732**	**.5123**	**.4944**	**.5107**	**.5086**	**.5126**	**.4796**	**4.981**	**5.457**
Stddev	.0011	.0012	.0002	.0043	.0018	.0035	.0002	.004	.007
%RSD	.2379	.2363	.0385	.8432	.3508	.6917	.0363	.0850	.1281
#1	.4724	.5115	.4942	.5076	.5074	.5101	.4797	4.978	5.462
#2	.4740	.5132	.4945	.5137	.5099	.5151	.4795	4.984	5.452

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.430**	**5.466**	**10.25**	**10.53**	**.0039**	**.4836**	**-.0010**	**-.0319**	**.0003**
Stddev	.024	.021	.02	.02	.0003	.0001	.0003	.0009	.0007
%RSD	.4394	.3927	.2385	.2165	7.250	.0281	30.74	2.827	273.3
#1	5.413	5.481	10.24	10.52	.0037	.4835	-.0013	-.0312	.0007
#2	5.447	5.451	10.27	10.55	.0041	.4837	-.0008	-.0325	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4975**	**-.0011**	**.0060**	**.0033**	**-.0027**	**.0010**
Stddev	.0000	.0001	.0019	.0003	.0018	.0009	.0016
%RSD	1.834	.0283	174.0	5.836	54.00	32.38	170.1
#1	-.0002	.4974	.0002	.0062	.0021	-.0021	-.0002
#2	-.0002	.4976	-.0024	.0057	.0046	-.0033	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104860.**	**12719.**	**2130.8**	**6716.6**
Stddev	152.	19.	1.3	1.0
%RSD	.14518	.15024	.06305	.01463
#1	104970.	12733.	2129.8	6715.9
#2	104750.	12706.	2131.7	6717.3

Zoom In Zoom Out

Sample Name: mp80012-s1 Acquired: 6/13/2014 5:02:05 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.141**	**.0516**	**.0490**	**.4940**	**.2017**	**.2377**	**3.798**	**.5218**	**.0530**
Stddev	.002	.0000	.0002	.0013	.0001	.0003	.002	.0003	.0005
%RSD	.1028	.0833	.4879	.2573	.0481	.1203	.0432	.0611	.9445
#1	2.140	.0516	.0492	.4931	.2016	.2379	3.799	.5215	.0534
#2	2.143	.0516	.0488	.4949	.2018	.2375	3.796	.5220	.0527

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4855**	**.5154**	**2.123**	**2.065**	**.5256**	**2.189**	**.5146**	**1.996**	**75.86**
Stddev	.0001	.0012	.001	.015	.0014	.000	.0008	.012	.31
%RSD	.0177	.2414	.0542	.7126	.2612	.0004	.1537	.6077	.4083
#1	.4854	.5145	2.122	2.054	.5247	2.189	.5151	1.988	75.65
#2	.4856	.5163	2.124	2.075	.5266	2.189	.5140	2.005	76.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.027**	**48.72**	**28.37**	**141.0**	**2.034**	**2.027**	**2.085**	**8.314**	**2.016**
Stddev	.003	.33	.04	1.5	.002	.004	.004	.009	.004
%RSD	.3128	.6789	.1436	1.061	.0785	.2075	.1795	.1049	.2166
#1	1.025	48.49	28.34	142.0	2.035	2.024	2.087	8.320	2.013
#2	1.029	48.95	28.40	139.9	2.032	2.030	2.082	8.308	2.019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.320**	**1.982**	**-.0111**	**.0110**	**20.40**	**-.0035**	**.0032**
Stddev	.003	.001	.0009	.0008	.01	.0008	.0011
%RSD	.1189	.0347	7.871	7.159	.0638	21.98	34.99
#1	2.318	1.981	-.0104	.0115	20.39	-.0041	.0040
#2	2.322	1.982	-.0117	.0104	20.41	-.0030	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98119.**	**12380.**	**2009.2**	**6041.6**
Stddev	14.	82.	1.2	2.0
%RSD	.01399	.66156	.06119	.03380
#1	98109.	12438.	2008.3	6043.1
#2	98128.	12322.	2010.1	6040.2

Zoom In Zoom Out

Sample Name: mp80012-s2 Acquired: 6/13/2014 5:08:10 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.156**	**.0520**	**.0491**	**.4930**	**.2009**	**.2379**	**3.772**	**.5213**	**.0529**
Stddev	.033	.0008	.0000	.0005	.0002	.0009	.003	.0002	.0000
%RSD	1.528	1.556	.0086	.1014	.0976	.3758	.0893	.0303	.0370
#1	2.180	.0526	.0491	.4933	.2008	.2373	3.774	.5215	.0529
#2	2.133	.0515	.0491	.4926	.2011	.2386	3.769	.5212	.0529

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4855**	**.5142**	**2.124**	**2.077**	**.5248**	**2.192**	**.5146**	**2.024**	**75.60**
Stddev	.0002	.0001	.003	.005	.0015	.001	.0016	.026	1.22
%RSD	.0325	.0105	.1479	.2422	.2892	.0418	.3047	1.276	1.608
#1	.4856	.5142	2.126	2.073	.5259	2.192	.5135	2.042	76.46
#2	.4854	.5142	2.122	2.080	.5237	2.191	.5157	2.006	74.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.024**	**48.47**	**28.61**	**142.5**	**2.040**	**2.038**	**2.092**	**8.176**	**2.029**
Stddev	.017	.91	.49	2.4	.001	.001	.007	.004	.003
%RSD	1.704	1.879	1.703	1.692	.0354	.0243	.3360	.0470	.1363
#1	1.036	49.11	28.95	144.2	2.041	2.038	2.087	8.179	2.027
#2	1.011	47.83	28.26	140.8	2.040	2.037	2.097	8.173	2.031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.337**	**1.987**	**-.0166**	**.0054**	**20.31**	**-.0023**	**.0017**
Stddev	.033	.002	.0012	.0001	.02	.0004	.0005
%RSD	1.428	.1208	7.273	2.511	.0953	15.22	27.74
#1	2.360	1.989	-.0158	.0055	20.33	-.0021	.0020
#2	2.313	1.985	-.0175	.0053	20.30	-.0026	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97934.**	**12293.**	**2007.0**	**6040.0**
Stddev	228.	249.	1.0	6.2
%RSD	.23260	2.0253	.05075	.10300
#1	97773.	12117.	2006.3	6035.6
#2	98095.	12469.	2007.7	6044.4

Zoom In Zoom Out

Sample Name: jb68754-3f Acquired: 6/13/2014 5:14:10 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1462**	**-.0001**	**.0007**	**.0017**	**.0007**	**-.0001**	**3.300**	**.0041**	**-.0002**
Stddev	.0000	.0000	.0001	.0002	.0001	.0001	.006	.0001	.0001
%RSD	.0087	33.87	20.00	11.95	12.23	120.4	.1982	1.383	29.31
#1	.1462	-.0001	.0006	.0015	.0007	-.0001	3.305	.0041	-.0002
#2	.1462	-.0001	.0008	.0018	.0006	.0000	3.296	.0040	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0015**	**.0022**	**-.0014**	**.0043**	**.0027**	**.0071**	**.0008**	**.0118**	**51.05**
Stddev	.0002	.0002	.0003	.0016	.0001	.0019	.0001	.0069	.03
%RSD	11.12	10.28	24.26	36.85	4.416	26.47	17.89	58.08	.0637
#1	-.0014	.0023	-.0016	.0032	.0028	.0084	.0009	.0070	51.08
#2	-.0016	.0020	-.0011	.0054	.0026	.0057	.0007	.0167	51.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0090**	**22.68**	**2.216**	**115.4**	**.0097**	**.0015**	**-.0022**	**6.367**	**.0018**
Stddev	.0027	.01	.014	.2	.0008	.0004	.0008	.013	.0003
%RSD	29.41	.0626	.6400	.1841	8.650	24.67	35.61	.2017	17.53
#1	.0109	22.67	2.206	115.5	.0103	.0017	-.0017	6.358	.0015
#2	.0072	22.69	2.226	115.2	.0091	.0012	-.0028	6.376	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3292**	**.0002**	**-.0246**	**.0003**	**20.22**	**-.0009**	**.0023**
Stddev	.0002	.0003	.0012	.0002	.00	.0006	.0005
%RSD	.0506	125.3	4.870	83.34	.0097	62.34	20.18
#1	.3293	.0000	-.0237	.0001	20.22	-.0005	.0020
#2	.3290	.0004	-.0254	.0004	20.22	-.0013	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99849.**	**12398.**	**2041.8**	**6221.4**
Stddev	57.	3.	1.7	1.3
%RSD	.05678	.02611	.08334	.02109
#1	99809.	12396.	2043.0	6222.3
#2	99889.	12400.	2040.6	6220.5

Zoom In Zoom Out

Sample Name: mp80012-sd1 Acquired: 6/13/2014 5:20:21 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1509**	**-.0006**	**.0021**	**-.0004**	**.0035**	**-.0029**	**3.432**	**.0067**	**-.0005**
Stddev	.0001	.0001	.0006	.0012	.0009	.0012	.006	.0002	.0007
%RSD	.0875	13.19	28.44	313.6	25.69	41.82	.1677	2.995	126.6
#1	.1510	-.0005	.0025	-.0012	.0041	-.0037	3.428	.0066	-.0010
#2	.1508	-.0007	.0016	.0005	.0028	-.0020	3.436	.0069	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0011**	**.0730**	**-.0088**	**.0067**	**.0081**	**.0181**	**.0028**	**.0735**	**51.88**
Stddev	.0004	.0001	.0004	.0085	.0019	.0037	.0044	.0109	.03
%RSD	37.32	.1119	4.538	126.4	23.61	20.28	157.1	14.79	.0644
#1	-.0008	.0731	-.0085	.0007	.0067	.0155	.0059	.0658	51.86
#2	-.0014	.0730	-.0091	.0128	.0094	.0207	-.0003	.0811	51.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0242**	**23.06**	**2.449**	**117.0**	**.0018**	**-.0043**	**.0013**	**6.444**	**.0040**
Stddev	.0052	.03	.102	.3	.0016	.0005	.0008	.003	.0003
%RSD	21.70	.1182	4.144	.2602	92.39	10.98	56.71	.0416	8.157
#1	.0205	23.08	2.377	117.2	.0006	-.0039	.0008	6.446	.0038
#2	.0279	23.05	2.521	116.8	.0029	-.0046	.0019	6.442	.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3327**	**-.0006**	**-.1545**	**-.0044**	**19.98**	**-.0006**	**.0048**
Stddev	.0002	.0010	.0067	.0003	.01	.0005	.0018
%RSD	.0721	176.5	4.319	7.276	.0748	84.41	38.21
#1	.3328	.0001	-.1498	-.0046	19.99	-.0003	.0035
#2	.3325	-.0013	-.1592	-.0042	19.97	-.0010	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103770.**	**12391.**	**2123.5**	**6698.6**
Stddev	330.	25.	1.2	1.5
%RSD	.31814	.20376	.05756	.02209
#1	104000.	12373.	2124.4	6699.7
#2	103530.	12409.	2122.7	6697.6

Zoom In Zoom Out

Sample Name: jb68735-20f Acquired: 6/13/2014 5:26:33 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1398**	**.0006**	**.0004**	**.0470**	**.0003**	**.0005**	**3.662**	**.0165**	**-.0005**
Stddev	.0004	.0000	.0000	.0001	.0001	.0000	.012	.0002	.0003
%RSD	.2646	3.782	11.53	.1954	42.03	6.737	.3237	.9629	52.74
#1	.1398	.0006	.0004	.0471	.0005	.0005	3.670	.0164	-.0003
#2	.1393	.0006	.0004	.0469	.0002	.0005	3.653	.0167	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0017**	**.0536**	**.0001**	**.0014**	**.0053**	**.0061**	**.0037**	**.1016**	**26.51**
Stddev	.0001	.0000	.0008	.0008	.0002	.0000	.0006	.0013	.07
%RSD	4.061	.0438	1033.	52.55	3.661	.5008	16.10	1.246	.2609
#1	-.0018	.0536	-.0005	.0020	.0052	.0061	.0042	.1007	26.46
#2	-.0017	.0536	.0006	.0009	.0054	.0061	.0033	.1025	26.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0060**	**19.07**	**3.892**	**486.1**	**.1446**	**-.0003**	**-.0023**	**4.975**	**-.0008**
Stddev	.0008	.12	.001	5.0	.0007	.0000	.0008	.011	.0004
%RSD	13.38	.6282	.0125	1.035	.5158	5.404	34.94	.2155	48.56
#1	.0065	18.99	3.891	482.5	.1441	-.0003	-.0028	4.968	-.0011
#2	.0054	19.16	3.892	489.6	.1451	-.0003	-.0017	4.983	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1462**	**-.0002**	**-.0291**	**.0168**	**192.3**	**-.0003**	**.0067**
Stddev	.0006	.0002	.0002	.0001	.8	.0008	.0003
%RSD	.3828	89.85	.7237	.7467	.3997	218.1	4.716
#1	.1466	-.0001	-.0290	.0169	192.9	-.0009	.0065
#2	.1458	-.0003	-.0293	.0167	191.8	.0002	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94209.**	**12387.**	**1967.8**	**5715.6**
Stddev	303.	44.	.3	1.9
%RSD	.32133	.35324	.01585	.03395
#1	93995.	12418.	1968.0	5717.0
#2	94423.	12356.	1967.6	5714.2

Zoom In Zoom Out

Sample Name: jb68753-8 Acquired: 6/13/2014 5:32:51 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**-.0001**	**.0001**	**.0000**	**.0002**	**.0010**	**.0000**	**.0006**	**-.0004**
Stddev	.0001	.0000	.0000	.0001	.0002	.0002	.0000	.0002	.0000
%RSD	19.94	43.31	40.38	1854.	96.00	23.98	140.8	34.50	1.510
#1	.0008	-.0001	.0001	.0001	.0004	.0012	.0000	.0005	-.0005
#2	.0006	-.0001	.0001	-.0001	.0001	.0008	.0000	.0008	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0108**	**-.0013**	**-.0010**	**.0002**	**.0012**	**.0014**	**.0034**	**.0144**
Stddev	.000	.0004	.0010	.0026	.0004	.0002	.0003	.0035	.0002
%RSD	447.5	3.529	72.76	245.2	180.0	18.52	17.41	103.0	1.622
#1	.0001	.0106	-.0006	.0008	-.0001	.0011	.0016	.0059	.0145
#2	-.0002	.0111	-.0020	-.0029	.0006	.0014	.0013	.0009	.0142

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**.0093**	**.0634**	**.1694**	**.0004**	**-.0014**	**-.0007**	**.0165**	**-.0005**
Stddev	.0030	.0196	.0220	.0018	.0001	.0000	.0003	.0003	.0001
%RSD	155.9	210.2	34.76	1.069	19.05	2.961	47.05	1.908	27.80
#1	.0040	.0232	.0790	.1681	.0003	-.0015	-.0005	.0163	-.0006
#2	-.0002	-.0045	.0478	.1706	.0004	-.0014	-.0010	.0167	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0290**	**-.0011**	**.0122**	**-.0007**	**.0014**
Stddev	.0000	.0001	.0004	.0004	.0001	.0010	.0001
%RSD	31.52	39.75	1.237	33.13	.9632	140.2	9.026
#1	-.0001	-.0002	-.0288	-.0014	.0123	-.0014	.0013
#2	-.0001	-.0003	-.0293	-.0008	.0121	.0000	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**106780.**	**12637.**	**2163.0**	**6976.7**
Stddev	32.	27.	3.1	11.9
%RSD	.02959	.21455	.14461	.17100
#1	106760.	12656.	2165.2	6985.2
#2	106810.	12617.	2160.8	6968.3

Zoom In Zoom Out

Sample Name: jb68754-1f Acquired: 6/13/2014 5:39:08 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1536**	**-.0001**	**.0016**	**.0189**	**-.0006**	**-.0008**	**9.052**	**.0027**	**.0006**
Stddev	.0006	.0001	.0001	.0001	.0002	.0001	.046	.0004	.0005
%RSD	.3878	44.24	4.293	.5491	41.32	16.66	.5043	15.49	93.57
#1	.1532	-.0001	.0017	.0190	-.0007	-.0007	9.084	.0024	.0002
#2	.1541	-.0002	.0016	.0188	-.0004	-.0008	9.020	.0030	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0053**	**.0374**	**-.0014**	**.0002**	**.0000**	**.0086**	**.0010**	**.0119**	**18.51**
Stddev	.0000	.0002	.0000	.0023	.000	.0005	.0004	.0039	.06
%RSD	.0497	.5581	1.324	1233.	1153.	6.355	35.04	32.52	.3152
#1	-.0053	.0372	-.0014	-.0014	.0000	.0089	.0013	.0092	18.55
#2	-.0053	.0375	-.0014	.0018	.0000	.0082	.0008	.0146	18.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.817**	**12.38**	**3.128**	**83.30**	**.3215**	**-.0010**	**-.0012**	**6.104**	**-.0019**
Stddev	.012	.06	.019	.10	.0004	.0001	.0004	.012	.0002
%RSD	.4412	.5236	.6159	.1219	.1107	9.574	29.26	.1903	12.94
#1	2.825	12.43	3.141	83.23	.3212	-.0010	-.0010	6.096	-.0021
#2	2.808	12.33	3.114	83.37	.3217	-.0009	-.0015	6.112	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1413**	**-.0005**	**-.0295**	**-.0022**	**1.559**	**-.0013**	**.0011**
Stddev	.0003	.0000	.0001	.0001	.001	.0002	.0001
%RSD	.2042	7.184	.4944	5.824	.0608	11.52	9.719
#1	.1411	-.0005	-.0294	-.0023	1.559	-.0012	.0012
#2	.1415	-.0005	-.0296	-.0021	1.560	-.0014	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101320.**	**12467.**	**2076.5**	**6380.1**
Stddev	147.	108.	3.3	8.6
%RSD	.14462	.87015	.15652	.13488
#1	101210.	12390.	2078.8	6386.2
#2	101420.	12543.	2074.2	6374.0

Zoom In Zoom Out

Sample Name: jb68754-2f Acquired: 6/13/2014 5:45:26 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1965**	**-.0002**	**.0008**	**.0528**	**-.0006**	**.0037**	**13.43**	**.0041**	**.0002**
Stddev	.0001	.0000	.0000	.0002	.0003	.0005	.08	.0000	.0001
%RSD	.0450	6.914	4.047	.3680	45.41	12.38	.5727	.1078	61.24
#1	.1964	-.0002	.0008	.0529	-.0007	.0040	13.38	.0041	.0003
#2	.1966	-.0003	.0008	.0527	-.0004	.0034	13.48	.0041	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0084**	**.0118**	**-.0005**	**.0011**	**.0016**	**.0109**	**.0004**	**.1918**	**35.38**
Stddev	.0000	.0001	.0001	.0004	.0011	.0005	.0002	.0013	.07
%RSD	.0486	.8780	18.29	33.15	71.39	4.396	60.12	.7013	.1873
#1	-.0084	.0119	-.0005	.0009	.0008	.0106	.0002	.1927	35.42
#2	-.0084	.0118	-.0004	.0014	.0024	.0113	.0006	.1908	35.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.735**	**12.95**	**3.373**	**76.20**	**.0101**	**-.0006**	**-.0113**	**6.359**	**-.0032**
Stddev	.001	.01	.012	.12	.0000	.0000	.0006	.003	.0003
%RSD	.0326	.0648	.3401	.1585	.1272	4.371	5.416	.0488	10.94
#1	2.735	12.94	3.382	76.11	.0101	-.0006	-.0108	6.357	-.0034
#2	2.734	12.95	3.365	76.28	.0101	-.0006	-.0117	6.361	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2480**	**.0000**	**-.0292**	**.1372**	**4.674**	**-.0003**	**.0019**
Stddev	.0003	.000	.0006	.0012	.014	.0001	.0004
%RSD	.1112	120.6	1.907	.8504	.3000	39.64	22.01
#1	.2478	.0000	-.0296	.1364	4.684	-.0004	.0016
#2	.2482	-.0001	-.0288	.1381	4.664	-.0002	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100810.**	**12490.**	**2070.9**	**6362.6**
Stddev	309.	5.	.1	5.6
%RSD	.30632	.04321	.00390	.08770
#1	101030.	12494.	2070.9	6358.7
#2	100590.	12486.	2071.0	6366.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 5:51:46 Type: QC
Method: Accutest1(v149) 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**	**2.010**	**1.985**	**1.982**	**1.988**	**1.927**	**2.068**	**2.057**	**.2497**
Stddev	.002	.004	.004	.002	.009	.014	.009	.004	.0005
%RSD	.1142	.1854	.2110	.0995	.4373	.7270	.4228	.1692	.2006
#1	2.018	2.012	1.988	1.983	1.994	1.937	2.074	2.060	.2501
#2	2.015	2.007	1.982	1.980	1.981	1.918	2.061	2.055	.2494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**2.053**	**2.008**	**2.012**	**2.098**	**2.019**	**2.003**	**40.28**	**40.32**
Stddev	.008	.004	.006	.006	.001	.010	.004	.06	.08
%RSD	.3809	.1899	.3009	.3041	.0246	.4833	.1877	.1403	.2049
#1	2.000	2.056	2.012	2.016	2.097	2.026	2.006	40.32	40.38
#2	1.989	2.051	2.004	2.008	2.098	2.012	2.001	40.24	40.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.20**	**40.69**	**41.33**	**42.54**	**2.000**	**1.998**	**1.926**	**5.087**	**2.056**
Stddev	.07	.03	.08	.02	.003	.002	.014	.012	.006
%RSD	.1743	.0734	.1972	.0558	.1641	.0859	.7067	.2270	.2753
#1	39.25	40.67	41.39	42.55	2.003	1.999	1.936	5.095	2.060
#2	39.15	40.71	41.28	42.52	1.998	1.997	1.917	5.079	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 5:51:46 Type: QC
Method: Accutest1(v149) 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	**2.019**	**2.004**	F **1.662**	**2.053**	**1.997**	**2.029**	**2.081**
Stddev	.002	.007	.027	.011	.011	.004	.004
%RSD	.1171	.3355	1.632	.5321	.5384	.1735	.1952
#1	2.021	2.008	1.643	2.060	2.004	2.031	2.084
#2	2.018	1.999	1.681	2.045	1.989	2.026	2.078
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100920.**	**12351.**	**2074.9**	**6273.4**
Stddev	375.	29.	1.5	.4
%RSD	.37193	.23308	.07418	.00571
#1	100660.	12331.	2073.8	6273.1
#2	101190.	12371.	2076.0	6273.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 5:57:49 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0004**	F **.0009**	**.0009**	**.0009**	**-.0003**	**.0010**	**.0005**	**-.0003**
Stddev	.0003	.0001	.0000	.0001	.0003	.0001	.0002	.0001	.0004
%RSD	33.05	24.55	.9463	14.19	28.48	29.18	25.99	19.35	113.5
#1	.0006	.0003	.0010	.0009	.0011	-.0004	.0008	.0004	-.0006
#2	.0010	.0005	.0009	.0008	.0007	-.0003	.0011	.0006	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0008**	**.0009**	**.0002**	**.0000**	**.0011**	**.0016**	**.0085**	**-.0023**
Stddev	.0001	.0001	.0006	.0003	.001	.0006	.0004	.0001	.0010
%RSD	15.87	16.23	69.88	134.7	6170.	55.12	23.19	1.495	43.94
#1	.0005	.0009	.0005	.0004	.0005	.0007	.0013	.0084	-.0016
#2	.0006	.0007	.0014	.0000	-.0006	.0016	.0018	.0086	-.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0095**	**.0029**	**.0560**	**.0452**	**.0011**	**.0015**	**-.0001**	**.0039**	**-.0004**
Stddev	.0025	.0023	.0153	.0038	.0005	.0003	.0012	.0003	.0004
%RSD	26.75	79.75	27.30	8.308	48.57	21.87	1010.	7.048	85.47
#1	.0112	.0045	.0668	.0426	.0015	.0017	-.0009	.0041	-.0002
#2	.0077	.0013	.0452	.0479	.0007	.0012	.0007	.0037	-.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: 6/13/2014 5:57:49 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0026**	F **.0010**	**.0013**	**-.0008**	**.0007**
Stddev	.0000	.0001	.0034	.0001	.0012	.0011	.0005
%RSD	4.246	11.93	130.0	13.19	90.83	125.3	74.52
#1	.0003	.0006	.0051	.0009	.0005	-.0016	.0010
#2	.0004	.0007	.0002	.0011	.0021	-.0001	.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	**106660.**	**12441.**	**2156.4**	**6961.0**
Stddev	4.	34.	2.7	5.4
%RSD	.00389	.27248	.12712	.07739
#1	106660.	12465.	2158.4	6964.8
#2	106660.	12417.	2154.5	6957.2

Zoom In Zoom Out

Sample Name: jb68754-4f Acquired: 6/13/2014 6:04:08 Type: Unk
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 17th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1046**	**.0000**	**.0006**	**-.0009**	**.0012**	**.0003**	**.0394**	**.0004**	**-.0002**
Stddev	.0001	.000	.0000	.0001	.0001	.0001	.0001	.0002	.0003
%RSD	.0661	6.684	4.664	7.406	9.984	33.94	.2389	56.20	183.5
#1	.1046	.0000	.0005	-.0009	.0012	.0002	.0395	.0005	-.0004
#2	.1047	.0000	.0006	-.0009	.0011	.0004	.0394	.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0002**	**-.0011**	**-.0009**	**.0011**	**.0048**	**.0007**	**-.0042**	**37.95**
Stddev	.0002	.0002	.0002	.0029	.0003	.0008	.0001	.0025	.08
%RSD	27.03	84.66	20.69	312.9	27.83	16.87	8.199	59.81	.2091
#1	.0004	-.0004	-.0013	.0011	.0009	.0043	.0007	-.0024	37.89
#2	.0007	-.0001	-.0010	-.0030	.0014	.0054	.0007	-.0060	38.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**12.13**	**3.405**	**95.41**	**.0058**	**.0006**	**-.0009**	**9.225**	**.0026**
Stddev	.0036	.01	.017	.25	.0004	.0001	.0011	.006	.0002
%RSD	180.5	.0553	.5081	.2655	6.373	17.55	114.7	.0666	5.952
#1	-.0006	12.13	3.393	95.23	.0055	.0007	-.0002	9.230	.0025
#2	.0046	12.13	3.417	95.59	.0061	.0006	-.0017	9.221	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3118**	**.0003**	**-.0035**	**.0010**	**6.265**	**-.0013**	**.0032**
Stddev	.0006	.0001	.0010	.0002	.003	.0012	.0003
%RSD	.2035	41.14	29.34	22.92	.0392	87.89	9.694
#1	.3114	.0004	-.0028	.0012	6.264	-.0021	.0030
#2	.3123	.0002	-.0042	.0009	6.267	-.0005	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100500.**	**12534.**	**2060.3**	**6301.4**
Stddev	258.	13.	1.0	.2
%RSD	.25704	.10005	.05006	.00276
#1	100320.	12543.	2059.6	6301.5
#2	100680.	12525.	2061.0	6301.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/13/2014 6:10:22 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2073**	**.0022**	**.0033**	**.0502**	**.0112**	**.0095**	**.0167**	**.0107**	**.0047**
Stddev	.0000	.0000	.0002	.0003	.0002	.0003	.0001	.0003	.0004
%RSD	.0202	1.959	5.886	.5298	2.071	3.218	.6433	2.885	8.505
#1	.2073	.0021	.0032	.0504	.0110	.0093	.0167	.0109	.0050
#2	.2074	.0022	.0034	.0500	.0114	.0097	.0168	.0105	.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	**.0530**	**.0239**	**.0074**	**.0081**	**.0034**	**.0128**	**.0073**	**.2042**	**5.046**
Stddev	.0004	.0001	.0009	.0003	.0001	.0007	.0003	.0004	.002
%RSD	.8373	.3788	12.04	4.237	2.567	5.862	3.439	.2007	.0300
#1	.0527	.0238	.0080	.0079	.0033	.0133	.0072	.2039	5.045
#2	.0533	.0240	.0067	.0084	.0034	.0122	.0075	.2045	5.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1042**	**5.469**	**5.342**	**5.381**	**.1040**	**.0203**	**.0578**	**.2225**	**.0111**
Stddev	.0012	.039	.026	.007	.0009	.0000	.0002	.0004	.0013
%RSD	1.187	.7045	.4866	.1283	.8243	.0335	.4023	.1953	12.05
#1	.1033	5.442	5.323	5.386	.1034	.0203	.0579	.2222	.0121
#2	.1051	5.497	5.360	5.376	.1046	.0203	.0576	.2228	.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: 6/13/2014 6:10:22 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0109**	**.0382**	**.0111**	**.0491**	**.0216**	**.0239**
Stddev	.0000	.0000	.0013	.0001	.0002	.0009	.0005
%RSD	.1135	.4509	3.285	.6317	.3645	3.947	1.932
#1	.0106	.0109	.0391	.0111	.0490	.0222	.0243
#2	.0106	.0109	.0373	.0112	.0492	.0210	.0236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104510.**	**12423.**	**2136.7**	**6791.9**
Stddev	57.	1.	.2	.3
%RSD	.05488	.01002	.00970	.00402
#1	104460.	12424.	2136.5	6792.1
#2	104550.	12422.	2136.8	6791.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/13/2014 6:16:36 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0028**	**.0025**	F **.0008**	**.0033**	**.0042**	**.0010**
Stddev	.0002	.0000	.0001	.0000	.0002	.0001	.0000	.0002	.0001
%RSD	4.469	4.913	8.738	1.005	7.242	8.877	.6931	3.979	9.185
#1	.0041	.0009	.0012	.0027	.0023	.0009	.0033	.0041	.0011
#2	.0044	.0010	.0013	.0028	.0026	.0008	.0033	.0043	.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	**.0020**	**.0118**	**.0023**	F **.0007**	**.0032**	F **.0080**	**.0033**	**.1021**	**1.017**
Stddev	.0000	.0004	.0010	.0019	.0003	.0016	.0002	.0076	.003
%RSD	2.526	2.996	45.20	273.7	9.465	19.49	5.028	7.458	.3033
#1	.0020	.0115	.0030	.0020	.0029	.0091	.0034	.0967	1.015
#2	.0019	.0120	.0016	-.0007	.0034	.0069	.0032	.1075	1.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0020		.0050			
Range				-30.00%		30.00%			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	F **.1306**	**2.158**	**1.103**	**.0090**	**-.0017**	**-.0010**	**-.0010**	**-.0003**
Stddev	.0024	.0013	.009	.006	.0000	.0001	.0003	.0001	.0001
%RSD	79.13	1.026	.4387	.5034	.5458	5.254	30.82	7.570	22.16
#1	.0047	.1296	2.151	1.099	.0090	-.0017	-.0008	-.0010	-.0003
#2	.0013	.1315	2.165	1.107	.0091	-.0016	-.0012	-.0009	-.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/13/2014 6:16:36 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0270**	**-.0009**	**-.0006**	**.0006**	**.0001**
Stddev	.000	.0004	.0001	.0001	.0006	.0002	.0005
%RSD	296.8	226.8	.4251	7.243	101.0	26.65	474.1
#1	.0000	.0001	-.0270	-.0009	-.0011	.0005	-.0003
#2	.0000	-.0005	-.0271	-.0008	-.0002	.0007	.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	**106370.**	**12481.**	**2197.6**	**7052.3**
Stddev	471.	25.	18.7	56.2
%RSD	.44302	.19654	.85022	.79747
#1	106700.	12499.	2210.8	7092.0
#2	106040.	12464.	2184.4	7012.5

Zoom In Zoom Out

Sample Name: cria Acquired: 6/13/2014 6:22:54 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0005**	**-.0013**	**-.0001**	**-.0001**	**-.0003**
Stddev	.0000	.0001	.0001	.0002	.0000	.0001	.0000	.0000	.0001
%RSD	82.43	58.32	68.48	277.8	10.17	9.004	38.86	3.586	18.41
#1	.0000	-.0001	.0001	-.0001	.0005	-.0012	-.0001	-.0001	-.0003
#2	-.0001	-.0002	.0003	.0003	.0004	-.0013	-.0001	-.0001	-.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	**.0189**	**.0000**	**.0216**	**.0227**	**.0206**	**.5071**	**-.0088**
Stddev	.000	.0001	.0001	.000	.0002	.0004	.0012	.0022	.0010
%RSD	493.2	50.69	.3310	73.50	1.089	1.610	5.664	.4291	11.83
#1	-.0001	.0002	.0189	-.0001	.0215	.0230	.0214	.5087	-.0080
#2	.0000	.0003	.0188	.0000	.0218	.0225	.0198	.5056	-.0095
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5113**	**-.0091**	**.0128**	**.0188**	**-.0002**	**-.0019**	**-.0009**	**-.0016**	**-.0005**
Stddev	.0025	.0236	.0354	.0060	.0002	.0001	.0007	.0001	.0000
%RSD	.4896	259.8	276.0	31.61	87.39	4.527	82.56	3.175	8.702
#1	.5095	-.0258	.0379	.0146	-.0001	-.0020	-.0014	-.0016	-.0006
#2	.5131	.0076	-.0122	.0231	-.0003	-.0019	-.0004	-.0017	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/13/2014 6:22:54 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0302**	**-.0011**	**-.0016**	**-.0003**	**-.0002**
Stddev	.0000	.0002	.0002	.0001	.0002	.0005	.0001
%RSD	21.41	94.37	.5034	7.686	12.72	147.8	65.23
#1	-.0001	-.0001	-.0303	-.0011	-.0017	-.0007	-.0003
#2	-.0002	-.0003	-.0301	-.0012	-.0015	.0000	-.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	**106320.**	**12436.**	**2160.1**	**6958.1**
Stddev	151.	13.	1.4	1.3
%RSD	.14239	.10469	.06312	.01906
#1	106220.	12427.	2161.1	6959.0
#2	106430.	12445.	2159.1	6957.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/13/2014 6:29:13 Type: QC
Method: Accutest1(v149) 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	**2.004**	**1.999**	**1.982**	**1.978**	**1.986**	**1.950**	**2.077**	**2.056**	**.2504**
Stddev	.003	.001	.004	.001	.004	.002	.001	.004	.0001
%RSD	.1648	.0539	.1864	.0248	.2034	.0803	.0663	.1827	.0276
#1	2.006	2.000	1.979	1.978	1.983	1.951	2.078	2.058	.2503
#2	2.001	1.998	1.984	1.977	1.989	1.949	2.076	2.053	.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	**2.012**	**2.054**	**2.011**	**2.025**	**2.095**	**2.021**	**2.003**	**40.31**	**39.91**
Stddev	.005	.002	.007	.012	.006	.003	.001	.03	.10
%RSD	.2630	.0814	.3322	.5745	.2989	.1241	.0454	.0804	.2418
#1	2.016	2.052	2.006	2.017	2.099	2.022	2.004	40.33	39.98
#2	2.008	2.055	2.016	2.034	2.090	2.019	2.003	40.28	39.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.90**	**40.24**	**41.15**	**42.55**	**1.998**	**1.998**	**1.944**	**5.085**	**2.057**
Stddev	.06	.19	.05	.09	.003	.004	.002	.004	.006
%RSD	.1517	.4714	.1331	.2207	.1396	.2025	.1204	.0785	.2803
#1	38.95	40.38	41.19	42.61	1.996	1.995	1.942	5.082	2.053
#2	38.86	40.11	41.11	42.48	2.000	2.001	1.945	5.088	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: 6/13/2014 6:29:13 Type: QC
Method: Accutest1(v149) 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	**2.005**	**2.015**	F **1.703**	**2.064**	**2.003**	**2.027**	**2.067**
Stddev	.002	.002	.033	.000	.010	.001	.006
%RSD	.0911	.0934	1.955	.0074	.4830	.0561	.3023
#1	2.006	2.016	1.680	2.063	1.996	2.026	2.071
#2	2.004	2.014	1.727	2.064	2.010	2.028	2.063
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**100230.**	**12355.**	**2075.9**	**6277.9**
Stddev	50.	5.	3.3	5.3
%RSD	.04949	.04172	.15699	.08435
#1	100190.	12351.	2078.2	6274.1
#2	100260.	12359.	2073.6	6281.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/13/2014 6:35:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0007**	F **.0009**	**.0007**	**.0012**	**.0000**	**.0010**	**.0007**	**-.0004**
Stddev	.0002	.0003	.0002	.0001	.0000	.000	.0000	.0001	.0000
%RSD	15.60	35.95	16.68	9.402	.8171	296.3	1.843	11.46	9.497
#1	.0009	.0005	.0010	.0006	.0012	.0000	.0010	.0006	-.0004
#2	.0011	.0009	.0008	.0007	.0012	-.0001	.0010	.0008	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0011**	**.0007**	**-.0010**	**.0010**	**-.0001**	**.0017**	**.0158**	**.0042**
Stddev	.0001	.0002	.0006	.0004	.0007	.0007	.0008	.0050	.0070
%RSD	7.111	17.68	95.44	37.52	66.32	1079.	44.22	31.44	167.5
#1	.0011	.0012	.0011	-.0012	.0015	-.0005	.0022	.0123	-.0008
#2	.0012	.0010	.0002	-.0007	.0005	.0004	.0012	.0193	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0138**	**.0023**	**.0542**	**.0390**	**.0014**	**.0017**	**.0005**	**.0036**	**.0000**
Stddev	.0027	.0187	.0105	.0119	.0004	.0004	.0008	.0007	.001
%RSD	19.70	829.0	19.46	30.67	24.96	26.04	173.5	19.90	3189.
#1	.0119	-.0109	.0467	.0305	.0017	.0020	-.0001	.0042	.0004
#2	.0158	.0155	.0616	.0474	.0012	.0014	.0011	.0031	-.0005
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: 6/13/2014 6:35:17 Type: QC
Method: Accutest1(v149) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**.0104**	F **.0012**	**.0003**	**.0000**	F **.0025**
Stddev	.0003	.0001	.0042	.0001	.0010	.0002	.0001
%RSD	38.01	15.03	40.75	6.655	375.5	421.0	5.545
#1	.0005	.0009	.0134	.0013	-.0004	.0001	.0024
#2	.0009	.0007	.0074	.0011	.0010	-.0001	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit				.0010			.0020
Low Limit				-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**107500.**	**12634.**	**2165.9**	**6993.9**
Stddev	241.	4.	5.4	26.7
%RSD	.22463	.03141	.25062	.38180
#1	107670.	12637.	2162.1	6975.1
#2	107330.	12631.	2169.8	7012.8

	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	0.000735	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.000252	0.000000	No
				Mn	0.000016	0.000000	No
				Ba	-0.000013	0.000000	No
				Zn	0.000010	0.000000	No
				Sb	0.000079	0.000000	No
				Ag	0.000060	0.000000	No
				Sn	0.000010	0.000000	No
				Cu	0.000005	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000020	0.000000	No
	Cd 228.802 {448}	☒	16	As	0.003636	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000150	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000400	0.000000	No
				Al	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000014	0.000000	No
				Mo	0.000002	0.000000	No
				Ti	-0.000049	0.000000	No
				Cu	-0.000010	0.000000	No
				Sr	-0.000050	0.000000	No
				Zr	0.000000	0.000000	No
				W	0.000000	0.000000	No
	Co 228.616 {448}	☒	7	Fe	-0.000001	0.000000	No
				Cr	0.000000	0.000000	No
				Ba	0.000006	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	-0.000002	0.000000	No
				Ti	0.002270	0.000000	No
				Mo	-0.000300	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000130	0.000000	No
				Mo	-0.000153	0.000000	No
				Fe	-0.000004	0.000000	No
				Co	0.000160	0.000000	No
				Al	0.000000	0.000000	No
				Sn	-0.000070	0.000000	No
				Ti	-0.000058	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.001783	0.000000	No
	Cu 324.754 {104}2	☒	12	Cr	-0.000025	0.000000	No
				Mo	0.000702	0.000000	No
				Ti	-0.000143	0.000000	No
				Mn	0.000086	0.000000	No
				Co	-0.000957	0.000000	No
				Zn	0.000037	0.000000	No
				Fe	-0.000039	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	0.000150	0.000000	No
			Mo	-0.000160	0.000000	No
			As	0.000400	0.000000	No
			W	0.000000	0.000000	No
Ni 231.604 {446}	☒	8	Cr	-0.000028	0.000000	No
			Mo	-0.000065	0.000000	No
			Fe	0.000020	0.000000	No
			Zn	0.000017	0.000000	No
			Co	-0.000423	0.000000	No
			Cu	0.000152	0.000000	No
			Ti	0.000120	0.000000	No
			W	-0.000260	0.000000	No
Ag 328.068 {103}	☒	17	Mn	0.000142	0.000000	No
			Mo	-0.000012	0.000000	No
			Ti	-0.000070	0.000000	No
			V	-0.001200	0.000000	No
			Zr	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000004	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000241	0.000000	No
			Al	-0.000002	0.000000	No
			Zn	0.000000	0.000000	No
			Ba	0.000090	0.000000	No
			Ni	-0.000021	0.000000	No
			Cr	0.000005	0.000000	No
			As	-0.000089	0.000000	No
			B	0.000001	0.000000	No
			W	0.005000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000007	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.009850	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.001529	0.000000	No
			Mn	-0.000100	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000400	0.000000	No
			Mo	0.000150	0.000000	No
			Fe	-0.000005	0.000000	No
			Co	0.000122	0.000000	No
			Ni	0.000058	0.000000	No
			Se	0.000141	0.000000	No
			Ba	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000085	0.000000	No
			Sn	0.000068	0.000000	No
			V	-0.000170	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	0.000600	0.000000	No
As 189.042 {478}	☒	21	Al	0.000015	0.000000	No
			Fe	-0.000097	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.001510	0.000000	No
			Cr	0.000600	0.000000	No
			Co	0.000010	0.000000	No
			Si	-0.000009	0.000000	No
			Cu	-0.000074	0.000000	No
			Pd	0.033140	0.000000	No
			K	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mg	0.000004	0.000000	No
			Cd	-0.000016	0.000000	No
			Sn	0.000067	0.000000	No
			Zn	-0.000115	0.000000	No
			Zr	0.000000	0.000000	No
			Sb	0.000022	0.000000	No
			Ti	-0.000203	0.000000	No
			B	0.000001	0.000000	No
			S	-0.000001	0.000000	No
			W	0.013000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000683	0.000000	No
			Mo	-0.013600	0.000000	No
			Al	-0.000002	0.000000	No
			V	-0.009500	0.000000	No
			Mn	0.001700	0.000000	No
			Si	0.000236	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.005000	0.000000	No
			Cu	-0.000095	0.000000	No
			Co	0.012300	0.000000	No
			Sr	0.000000	0.000000	No
			Zn	0.000220	0.000000	No
			Pb	-0.000090	0.000000	No
			Mg	-0.000007	0.000000	No
			Ba	-0.000100	0.000000	No
			Sb	0.000004	0.000000	No
			W	0.000000	0.000000	No
			B	0.000567	0.000000	No
			Pd	-0.000032	0.000000	No
			Ni	0.000030	0.000000	No
			Sn	0.000100	0.000000	No
			Fe	-0.000098	0.000000	No
			Li	0.000009	0.000000	No
			S	0.000019	0.000000	No
			Na	-0.000011	0.000000	No
			K	0.000200	0.000000	No
			As	0.000200	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000100	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	0.000140	0.000000	No
			Zn	0.000027	0.000000	No
			Mo	-0.000550	0.000000	No
			Ni	0.000129	0.000000	No
			Cu	0.000370	0.000000	No
			V	-0.000206	0.000000	No
			Co	0.000016	0.000000	No
			Ti	0.000000	0.000000	No
			Si	0.000060	0.000000	No
			Mg	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Pd	0.000500	0.000000	No
			Sb	0.000109	0.000000	No
			Cr	-0.000066	0.000000	No
			Sn	0.000070	0.000000	No
			Fe	0.000043	0.000000	No
			W	0.000000	0.000000	No
			Zr	0.000000	0.000000	No
			S	-0.000022	0.000000	No
			Sr	-0.000035	0.000000	No
Se 196.090 {472}	☒	18	Al	-0.000008	0.000000	No
			Ca	-0.000011	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mn	0.000345	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	-0.000126	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	0.013100	0.000000	No
			V	-0.002240	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	0.000420	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.015034	0.000000	No
			Mn	-0.000060	0.000000	No
			Co	-0.000121	0.000000	No
			Se	-0.000252	0.000000	No
			Zr	-0.000300	0.000000	No
			W	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Mg	0.000006	0.000000	No
			S	-0.000016	0.000000	No
Al 396.152 { 85}	☒	8	Ca	0.000100	0.000000	No
			Mo	0.049000	0.000000	No
			Ti	-0.006610	0.000000	No
			Si	0.001149	0.000000	No
			Co	-0.000115	0.000000	No
			Li	-0.001000	0.000000	No
			W	0.000000	0.000000	No
			Ba	0.004500	0.000000	No
Ca 317.933 {106}	☒	5	Al	0.000043	0.000000	No
			Fe	0.000078	0.000000	No
			Mg	0.000071	0.000000	No
			Ti	-0.000042	0.000000	No
			Co	0.001850	0.000000	No
Fe 259.940 {130}	☒	11	Cr	0.000237	0.000000	No
			Zn	0.000466	0.000000	No
			Al	0.000017	0.000000	No
			Co	0.002732	0.000000	No
			Cd	0.000700	0.000000	No
			Sn	-0.000019	0.000000	No
			Ti	-0.000710	0.000000	No
			Si	0.000053	0.000000	No
			Ca	0.000012	0.000000	No
			Ba	0.000400	0.000000	No
			V	0.000000	0.000000	No
Mg 279.079 {121}	☒	4	Al	0.000000	0.000000	No
			Mo	-0.018810	0.000000	No

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	0.037450	0.000000	No
			Al	0.000008	0.000000	No
			Ti	-0.000001	0.000000	No
			Pd	0.000630	0.000000	No
Mo 202.030 {467}	☒	8	Ti	0.000300	0.000000	No
			Pd	0.000018	0.000000	No
			Al	-0.000011	0.000000	No
			Mg	-0.000005	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	0.000044	0.000000	No
			V	0.000500	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000250	0.000000	No
			Co	-0.001657	0.000000	No
			Sn	-0.000700	0.000000	No
			Sb	0.000160	0.000000	No
			Si	0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	0.003000	0.000000	No
Si 212.412 {459}	☒	11	Mn	-0.002280	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ni	0.000391	0.000000	No
			Cd	0.001794	0.000000	No
			Cr	-0.000450	0.000000	No
			Mo	0.025500	0.000000	No
			Ti	0.168600	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	0.000000	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.001660	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000406	0.000000	No
			Mo	0.000058	0.000000	No
Sr 407.771 { 83}	☒	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	0.000072	0.000000	No
				Fe	-0.000029	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	☒	2	Fe	0.000038	0.000000	No
				Ti	-0.001522	0.000000	No
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.005538	3.030020	0.000000	1.000000
Be 313.042 {108}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000155	2.636166	0.000000	1.000000
Cd 228.802 {448}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000510	1.115956	0.000000	1.000000
Co 228.616 {448}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000151	0.371951	0.000000	1.000000
Cr 267.716 {126}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000030	0.076507	0.000000	1.000000
Cu 324.754 {104}2	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.002088	0.279042	0.000000	1.000000
Mn 257.610 {131}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000044	0.209124	0.000000	1.000000
Ni 231.604 {446}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000895	0.289373	0.000000	1.000000
Ag 328.068 {103}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000020	0.130696	0.000000	1.000000
V 292.402 {115}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000008	0.158278	0.000000	1.000000
Zn 206.200 {464}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000360	0.976397	0.000000	1.000000
As 189.042 {478}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000098	0.186704	0.000000	1.000000
Tl 190.856 {477}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000198	0.035369	0.000000	1.000000
Pb 220.353 {453}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000194	0.132252	0.000000	1.000000
Se 196.090 {472}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000415	0.105948	0.000000	1.000000
Sb 206.833 {463}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.001027	0.256433	0.000000	1.000000
Al 396.152 { 85}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.001039	0.049081	0.000000	1.000000
Ca 317.933 {106}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.003913	0.060011	0.000000	1.000000
Fe 259.940 {130}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000023	0.030094	0.000000	1.000000
Mg 279.079 {121}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000018	0.004387	0.000000	1.000000
K 766.490 { 44}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.002076	0.030652	0.000000	1.000000
Na 589.592 { 57}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.004691	0.106001	0.000000	1.000000
B 208.959 {462}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.001019	0.251924	0.000000	1.000000
Mo 202.030 {467}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.003140	1.073633	0.000000	1.000000
Pd 340.458 { 99}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000004	0.062229	0.000000	1.000000
Si 212.412 {459}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.007171	0.273421	0.000000	1.000000
Sn 189.989 {478}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000589	0.172645	0.000000	1.000000
Sr 407.771 { 83}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000248	3.881510	0.000000	1.000000
Ti 334.904 {101}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.000136	0.161813	0.000000	1.000000
Y 360.073 { 94}*	6/13/2014 8:15:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/13/2014 8:15:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/13/2014 8:15:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/13/2014 8:15:45	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.022637	0.473384	0.000000	1.000000
Zr 339.198 { 99}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000415	0.374857	0.000000	1.000000
S 182.034 {485}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	0.000593	0.079823	0.000000	1.000000
Bi 223.061 {451}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.001064	0.361831	0.000000	1.000000
Li 670.784 { 50}	6/13/2014 8:15:45	6/12/2014 10:25:27	Linear	1/Conc	-0.002525	0.800456	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000195	0.000651	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000074	0.000247	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000189	0.000630	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000274	0.000914	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000411	0.001372	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000297	0.000991	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000057	0.000188	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000323	0.001075	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000411	0.001369	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000290	0.000965	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000185	0.000618	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000913	0.003044	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001917	0.006389	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001057	0.003523	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001966	0.006554	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001021	0.003405	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.008870	0.029568	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003599	0.011995	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003345	0.011150	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.029525	0.098417	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.028504	0.095012	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007772	0.025906	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000654	0.002180	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000208	0.000695	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001074	0.003579	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000905	0.003015	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000792	0.002639	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000093	0.000311	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000398	0.001326	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	0.000996	0.003320	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000169	0.000565	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002078	0.006925	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000991	0.003302	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001069	0.003563	OK.	1.000000	0.000000	1	0

MA34255

Method: ACCUTEST Operator: Admin Date of Analysis: 17 Jun 2014 15:13:37

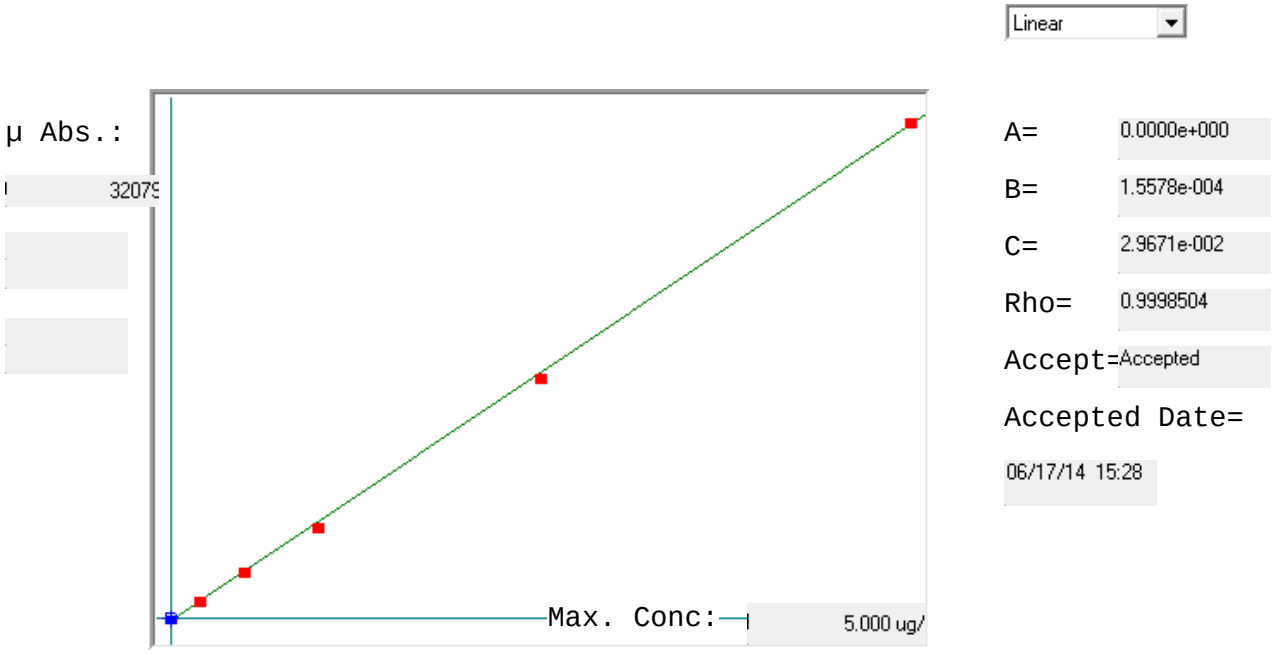
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	17 Jun 2014 15:14:34	Std	ug/l	-	303	1.000	1.000
STDB - 1	17 Jun 2014 15:15:51	Std	ug/l	-	1188	1.000	1.000
STDC - 1	17 Jun 2014 15:17:12	Std	ug/l	-	3044	1.000	1.000
STDD - 1	17 Jun 2014 15:18:33	Std	ug/l	-	5984	1.000	1.000
STDE - 1	17 Jun 2014 15:19:59	Std	ug/l	-	15582	1.000	1.000
STDF - 1	17 Jun 2014 15:21:29	Std	ug/l	-	32079	1.000	1.000
STDA - 1	17 Jun 2014 15:26:24	Std	ug/l	-	37	1.000	1.000
ICV - 1	17 Jun 2014 15:29:43	SMPL	ug/l	3.0747	19547	1.000	1.000
ICB - 1	17 Jun 2014 15:30:59	SMPL	ug/l	0.0256	-26	1.000	1.000
CCV - 1	17 Jun 2014 15:32:35	CK STND	ug/l	101.5% 2.5382	16103	1.000	1.000
CCB - 1	17 Jun 2014 15:33:53	CK STND	ug/l	0.0264	-21	1.000	1.000
CRI - 1	17 Jun 2014 15:35:29	SMPL	ug/l	0.2138	1182	1.000	1.000
MP80103-MB1 - 1	17 Jun 2014 15:41:01	SMPL	ug/l	0.0524	146	1.000	1.000
MP80103-LC1 - 1	17 Jun 2014 15:42:17	SMPL	ug/l	5.0515	16023	1.000	2.000
MP80103-S1 - 1	17 Jun 2014 15:43:36	SMPL	ug/l	2.0090	12706	1.000	1.000
MP80103-S2 - 1	17 Jun 2014 15:45:12	SMPL	ug/l	2.0447	12935	1.000	1.000
JB68403-5 - 1	17 Jun 2014 15:46:49	SMPL	ug/l	0.1795	962	1.000	1.000
JB68403-1 - 1	17 Jun 2014 15:48:26	SMPL	ug/l	1.4484	9107	1.000	1.000
JB68403-2 - 1	17 Jun 2014 15:49:47	SMPL	ug/l	2.9308	18623	1.000	1.000
JB68403-3 - 1	17 Jun 2014 15:51:18	SMPL	ug/l	0.1135	538	1.000	1.000
CCV - 1	17 Jun 2014 15:52:56	CK STND	ug/l	105.2% 2.6305	16695	1.000	1.000
CCB - 1	17 Jun 2014 15:54:15	CK STND	ug/l	-0.0110	-261	1.000	1.000
JB68403-4 - 1	17 Jun 2014 15:55:51	SMPL	ug/l	0.4039	2402	1.000	1.000
JB68403-6 - 1	17 Jun 2014 15:57:12	SMPL	ug/l	0.6444	3946	1.000	1.000
JB68403-7 - 1	17 Jun 2014 15:58:34	SMPL	ug/l	0.6885	4229	1.000	1.000
JB68403-8 - 1	17 Jun 2014 15:59:59	SMPL	ug/l	0.2607	1483	1.000	1.000
JB68432-5 - 1	17 Jun 2014 16:01:25	SMPL	ug/l	0.9116	5661	1.000	1.000
JB68432-6 - 1	17 Jun 2014 16:02:47	SMPL	ug/l	8.3067	53132	1.000	1.000
JB68432-7 - 1	17 Jun 2014 16:04:12	SMPL	ug/l	9.3833	60043	1.000	1.000
JB68432-8 - 1	17 Jun 2014 16:05:57	SMPL	ug/l	0.2406	1354	1.000	1.000
JB68432-9 - 1	17 Jun 2014 16:07:56	SMPL	ug/l	2.9185	18544	1.000	1.000
CCV - 1	17 Jun 2014 16:09:18	CK STND	ug/l	106.3% 2.6576	16869	1.000	1.000
CCB - 1	17 Jun 2014 16:10:57	CK STND	ug/l	-0.0141	-281	1.000	1.000
JB68432-10 - 1	17 Jun 2014 16:12:34	SMPL	ug/l	7.8119	49956	1.000	1.000
JB68432-11 - 1	17 Jun 2014 16:13:53	SMPL	ug/l	0.5540	3366	1.000	1.000
JB68432-14 - 1	17 Jun 2014 16:15:47	SMPL	ug/l	0.6522	3996	1.000	1.000
JB68432-15 - 1	17 Jun 2014 16:17:14	SMPL	ug/l	0.1719	913	1.000	1.000
JB68432-16 - 1	17 Jun 2014 16:18:42	SMPL	ug/l	4.8147	30716	1.000	1.000
JB68432-17 - 1	17 Jun 2014 16:20:03	SMPL	ug/l	1.6911	10665	1.000	1.000
JB68432-18 - 1	17 Jun 2014 16:21:52	SMPL	ug/l	11.7774	75411	1.000	1.000
MP80104-MB1 - 1	17 Jun 2014 16:34:11	SMPL	ug/l	0.0590	188	1.000	1.000
MP80104-LC1 - 1	17 Jun 2014 16:35:28	SMPL	ug/l	5.3943	17123	1.000	2.000
CCV - 1	17 Jun 2014 16:36:47	CK STND	ug/l	106.0% 2.6501	16821	1.000	1.000
CCB - 1	17 Jun 2014 16:38:21	CK STND	ug/l	0.0177	-77	1.000	1.000
MP80104-S1 - 1	17 Jun 2014 16:39:58	SMPL	ug/l	6.9882	44668	1.000	1.000
MP80104-S2 - 1	17 Jun 2014 16:41:17	SMPL	ug/l	7.8043	49907	1.000	1.000
JB68432-19 - 1	17 Jun 2014 16:43:06	SMPL	ug/l	5.0484	32216	1.000	1.000
JB68432-20 - 1	17 Jun 2014 16:45:04	SMPL	ug/l	5.9857	38233	1.000	1.000
JB68432-21 - 1	17 Jun 2014 16:47:02	SMPL	ug/l	7.5899	48531	1.000	1.000
JB68432-22 - 1	17 Jun 2014 16:48:56	SMPL	ug/l	0.6783	4164	1.000	1.000
JB68432-23 - 1	17 Jun 2014 16:50:54	SMPL	ug/l	1.1279	7050	1.000	1.000
JB68432-24 - 1	17 Jun 2014 16:52:24	SMPL	ug/l	2.5663	16283	1.000	1.000
JB68432-25 - 1	17 Jun 2014 16:53:53	SMPL	ug/l	-0.0186	-310	1.000	1.000
CCV - 1	17 Jun 2014 16:55:31	CK STND	ug/l	(H)111.3% 2.7819	17667	1.000	1.000
CCB - 1	17 Jun 2014 16:56:49	CK STND	ug/l	-0.0030	-210	1.000	1.000
JB68432-26 - 1	17 Jun 2014 16:58:26	SMPL	ug/l	0.1937	1053	1.000	1.000
JB68458-1 - 1	17 Jun 2014 16:59:46	SMPL	ug/l	0.0481	118	1.000	1.000
JB68458-2 - 1	17 Jun 2014 17:01:06	SMPL	ug/l	0.4014	2386	1.000	1.000
JB68458-5 - 1	17 Jun 2014 17:02:25	SMPL	ug/l	0.0826	340	1.000	1.000
JB68458-6 - 1	17 Jun 2014 17:03:49	SMPL	ug/l	0.0917	398	1.000	1.000
JB68439-1 - 1	17 Jun 2014 17:05:09	SMPL	ug/l	0.5238	3172	1.000	1.000
JB68943-36 - 1	17 Jun 2014 17:06:28	SMPL	ug/l	0.8436	5225	1.000	1.000
JB68432-6 - 1	17 Jun 2014 17:07:53	SMPL	ug/l	8.4874	10706	1.000	5.000
JB68432-7 - 1	17 Jun 2014 17:09:22	SMPL	ug/l	8.6206	10877	1.000	5.000
CCV - 1	17 Jun 2014 17:10:54	CK STND	ug/l	(H)110.8% 2.7691	17585	1.000	1.000
CCB - 1	17 Jun 2014 17:12:25	CK STND	ug/l	-0.0051	-223	1.000	1.000
JB68432-10 - 1	17 Jun 2014 17:14:02	SMPL	ug/l	8.2732	10431	1.000	5.000
JB68432-18 - 1	17 Jun 2014 17:15:23	SMPL	ug/l	11.6435	14758	1.000	5.000
MP80104-S1 - 1	17 Jun 2014 17:16:55	SMPL	ug/l	6.6663	8368	1.000	5.000

MA34255

Method: ACCUTEST Operator: Admin Date of Analysis: 17 Jun 2014 15:13:37

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
MP80104-S2 - 1	17 Jun 2014 17:18:30	SMPL	ug/l	7.3455	9240	1.000	5.000
JB68432-19 - 1	17 Jun 2014 17:20:49	SMPL	ug/l	5.0026	15866	1.000	2.000
JB68432-20 - 1	17 Jun 2014 17:22:07	SMPL	ug/l	6.2212	19777	1.000	2.000
JB68432-21 - 1	17 Jun 2014 17:23:42	SMPL	ug/l	7.5067	9447	1.000	5.000
CCV - 1	17 Jun 2014 17:30:16	CK STND	ug/l	(H)110.5% 2.7636	17550	1.000	1.000
CCB - 1	17 Jun 2014 17:31:31	CK STND	ug/l	0.0261	-23	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	0.035	0.035	37	0.000	37				
STDB	0.200	0.215	0.015	1188	0.0 %	1188				
STDC	0.500	0.504	0.004	3044	0.0 %	3044				
STDD	1.000	0.962	-0.038	5984	0.0 %	5984				
STDE	2.500	2.457	-0.043	15582	0.0 %	15582				
STDF	5.000	5.027	0.027	32079	0.0 %	32079				

ma34257

Method: ACCUTEST Operator: Admin Date of Analysis: 17 Jun 2014 12:08:21

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	17 Jun 2014 12:08:37	Std	ug/l	-	-55	1.000	1.000
STDB - 1	17 Jun 2014 12:09:54	Std	ug/l	-	622	1.000	1.000
STDC - 1	17 Jun 2014 12:11:12	Std	ug/l	-	1827	1.000	1.000
STDD - 1	17 Jun 2014 12:12:33	Std	ug/l	-	3843	1.000	1.000
STDE - 1	17 Jun 2014 12:13:56	Std	ug/l	-	10114	1.000	1.000
STDF - 1	17 Jun 2014 12:15:26	Std	ug/l	-	21297	1.000	1.000
STDE - 1	17 Jun 2014 12:18:43	Std	ug/l	-	10126	1.000	1.000
ICV - 1	17 Jun 2014 12:21:42	SMPL	ug/l	2.8051	11726	1.000	1.000
ICB - 1	17 Jun 2014 12:22:58	SMPL	ug/l	-0.0049	-314	1.000	1.000
CCV - 1	17 Jun 2014 12:24:32	CK STND	ug/l	100.9% 2.5234	10519	1.000	1.000
CCB - 1	17 Jun 2014 12:25:50	CK STND	ug/l	0.0453	-99	1.000	1.000
CRI - 1	17 Jun 2014 12:27:23	SMPL	ug/l	0.2143	625	1.000	1.000
CONF - 1	17 Jun 2014 12:30:14	SMPL	ug/l	0.0432	-108	1.000	1.000
CONF - 1	17 Jun 2014 12:31:32	SMPL	ug/l	0.2467	764	1.000	1.000
CONF - 1	17 Jun 2014 12:32:51	SMPL	ug/l	0.0255	-184	1.000	1.000
CONF - 1	17 Jun 2014 12:34:09	SMPL	ug/l	0.0162	-224	1.000	1.000
CONF - 1	17 Jun 2014 12:35:26	SMPL	ug/l	0.0110	-246	1.000	1.000
CONF - 1	17 Jun 2014 12:36:43	SMPL	ug/l	0.0292	-168	1.000	1.000
CONF - 1	17 Jun 2014 12:38:00	SMPL	ug/l	0.0467	-93	1.000	1.000
CCV - 1	17 Jun 2014 12:39:18	CK STND	ug/l	97.6% 2.4392	10158	1.000	1.000
CCB - 1	17 Jun 2014 12:40:34	CK STND	ug/l	(H)0.2829	919	1.000	1.000
CCV - 1	17 Jun 2014 13:03:07	CK STND	ug/l	96.0% 2.4007	9993	1.000	1.000
CCB - 1	17 Jun 2014 13:04:22	CK STND	ug/l	0.0042	-275	1.000	1.000
CRI - 1	17 Jun 2014 13:05:56	SMPL	ug/l	0.2171	637	1.000	1.000
IDL-1CONF - 1	17 Jun 2014 13:07:12	SMPL	ug/l	0.0145	-231	1.000	1.000
IDL-2CONF - 1	17 Jun 2014 13:08:32	SMPL	ug/l	0.0414	-116	1.000	1.000
IDL-3CONF - 1	17 Jun 2014 13:09:48	SMPL	ug/l	0.0565	-51	1.000	1.000
IDL-4CONF - 1	17 Jun 2014 13:11:05	SMPL	ug/l	0.0519	-71	1.000	1.000
IDL-5CONF - 1	17 Jun 2014 13:12:22	SMPL	ug/l	0.0561	-53	1.000	1.000
IDL-6CONF - 1	17 Jun 2014 13:13:40	SMPL	ug/l	0.0549	-58	1.000	1.000
IDL-7CONF - 1	17 Jun 2014 13:14:58	SMPL	ug/l	0.0493	-82	1.000	1.000
CCV - 1	17 Jun 2014 13:16:16	CK STND	ug/l	94.9% 2.3729	9874	1.000	1.000
CCB - 1	17 Jun 2014 13:17:31	CK STND	ug/l	0.0117	-243	1.000	1.000
MP80117-MB1 - 1	17 Jun 2014 13:45:17	SMPL	ug/l	0.0680	-2	1.000	1.000
MP80117-LC1 - 1	17 Jun 2014 13:46:33	SMPL	ug/l	1.7582	7240	1.000	1.000
MP80117-S1 - 1	17 Jun 2014 13:47:50	SMPL	ug/l	2.4859	10358	1.000	1.000
MP80117-S2 - 1	17 Jun 2014 13:49:21	SMPL	ug/l	2.4828	10345	1.000	1.000
JB68710-1 - 1	17 Jun 2014 13:50:53	SMPL	ug/l	0.4211	1511	1.000	1.000
JB68710-2 - 1	17 Jun 2014 13:52:22	SMPL	ug/l	0.3632	1263	1.000	1.000
JB68710-3 - 1	17 Jun 2014 13:53:42	SMPL	ug/l	0.4206	1509	1.000	1.000
JB68710-4 - 1	17 Jun 2014 13:55:03	SMPL	ug/l	0.4428	1604	1.000	1.000
JB68710-5 - 1	17 Jun 2014 13:56:24	SMPL	ug/l	0.2271	680	1.000	1.000
JB68710-6 - 1	17 Jun 2014 13:57:45	SMPL	ug/l	0.0864	77	1.000	1.000
CONF - 1	17 Jun 2014 13:59:03	SMPL	ug/l	0.0684	0	1.000	1.000
CCV - 1	17 Jun 2014 14:00:28	CK STND	ug/l	92.3% 2.3076	9594	1.000	1.000
CCB - 1	17 Jun 2014 14:01:44	CK STND	ug/l	0.0007	-290	1.000	1.000
JB68710-7 - 1	17 Jun 2014 14:03:17	SMPL	ug/l	0.1034	150	1.000	1.000
JB68710-8 - 1	17 Jun 2014 14:04:33	SMPL	ug/l	0.1219	229	1.000	1.000
MP80118-MB1 - 1	17 Jun 2014 14:12:29	SMPL	ug/l	0.0787	44	1.000	1.000
MP80118-LC1 - 1	17 Jun 2014 14:13:45	SMPL	ug/l	1.8114	7468	1.000	1.000
MP80118-S1 - 1	17 Jun 2014 14:15:02	SMPL	ug/l	2.0676	8566	1.000	1.000
MP80118-S2 - 1	17 Jun 2014 14:16:32	SMPL	ug/l	2.1108	8751	1.000	1.000
JB68411-1 - 1	17 Jun 2014 14:18:02	SMPL	ug/l	0.0633	-22	1.000	1.000
JB68411-2 - 1	17 Jun 2014 14:19:33	SMPL	ug/l	0.0906	95	1.000	1.000
JB68411-3 - 1	17 Jun 2014 14:20:52	SMPL	ug/l	0.0780	41	1.000	1.000
JB68411-4 - 1	17 Jun 2014 14:22:10	SMPL	ug/l	0.0897	91	1.000	1.000
CCV - 1	17 Jun 2014 14:23:28	CK STND	ug/l	92.4% 2.3092	9601	1.000	1.000
CCB - 1	17 Jun 2014 14:24:44	CK STND	ug/l	0.0269	-178	1.000	1.000
JB68427-1 - 1	17 Jun 2014 14:26:18	SMPL	ug/l	0.0922	102	1.000	1.000
JB68427-2 - 1	17 Jun 2014 14:27:36	SMPL	ug/l	0.0852	72	1.000	1.000
JB68427-1F - 1	17 Jun 2014 14:28:52	SMPL	ug/l	0.0817	57	1.000	1.000
JB68427-2F - 1	17 Jun 2014 14:30:10	SMPL	ug/l	0.0934	107	1.000	1.000
JB68434-2 - 1	17 Jun 2014 14:31:27	SMPL	ug/l	0.4468	1621	1.000	1.000
JB68458-4 - 1	17 Jun 2014 14:32:45	SMPL	ug/l	0.0535	-64	1.000	1.000
JB69032-1 - 1	17 Jun 2014 14:34:04	SMPL	ug/l	0.3641	1267	1.000	1.000
JB69306-2 - 1	17 Jun 2014 14:35:21	SMPL	ug/l	0.0355	-141	1.000	1.000
JB69361-1 - 1	17 Jun 2014 14:36:40	SMPL	ug/l	0.0631	-23	1.000	1.000
JB69368-4 - 1	17 Jun 2014 14:37:58	SMPL	ug/l	0.0703	8	1.000	1.000
CCV - 1	17 Jun 2014 14:39:16	CK STND	ug/l	92.7% 2.3171	9635	1.000	1.000

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Method: ACCUTEST Operator: Admin Date of Analysis: 17 Jun 2014 12:08:21

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	17 Jun 2014 14:40:33	CK STND	ug/l	0.0171	-220	1.000	1.000
MP80087-MB2 - 1	17 Jun 2014 14:52:28	SMPL	ug/l	0.0649	-15	1.000	1.000
MP80087-B2 - 1	17 Jun 2014 14:53:45	SMPL	ug/l	2.3251	9669	1.000	1.000
MP80087-S1 - 1	17 Jun 2014 15:14:21	SMPL	ug/l	1.9925	8244	1.000	1.000
MP80087-S2 - 1	17 Jun 2014 15:15:42	SMPL	ug/l	2.0681	8568	1.000	1.000
JB69227-1 - 1	17 Jun 2014 15:17:11	SMPL	ug/l	0.0007	-290	1.000	1.000
CRI - 1	17 Jun 2014 15:26:33	SMPL	ug/l	0.2374	724	1.000	1.000
MP80119-MB1 - 1	17 Jun 2014 15:32:18	SMPL	ug/l	0.0680	-2	1.000	1.000
MP80119-B1 - 1	17 Jun 2014 15:33:35	SMPL	ug/l	1.8177	7495	1.000	1.000
MP80119-S1 - 1	17 Jun 2014 15:34:52	SMPL	ug/l	2.0210	8366	1.000	1.000
CCV - 1	17 Jun 2014 15:36:26	CK STND	ug/l	(L)89.9% 2.2469	9334	1.000	1.000
CCB - 1	17 Jun 2014 15:37:53	CK STND	ug/l	0.0010	-289	1.000	1.000
MP80119-S2 - 1	17 Jun 2014 15:39:27	SMPL	ug/l	2.0149	8340	1.000	1.000
JB69326-1A - 1	17 Jun 2014 15:40:44	SMPL	ug/l	0.0260	-182	1.000	1.000
CCV - 1	17 Jun 2014 15:46:09	CK STND	ug/l	102.7% 2.5687	10713	1.000	1.000
CCB - 1	17 Jun 2014 15:47:25	CK STND	ug/l	0.0257	-183	1.000	1.000
MP80087-MB2 - 1	17 Jun 2014 15:48:56	SMPL	ug/l	0.0633	-22	1.000	1.000
MP80087-B2 - 1	17 Jun 2014 15:50:14	SMPL	ug/l	2.2975	9551	1.000	1.000
MP80087-S1 - 1	17 Jun 2014 15:51:31	SMPL	ug/l	1.9694	8145	1.000	1.000
MP80087-S2 - 1	17 Jun 2014 15:53:05	SMPL	ug/l	2.0081	8311	1.000	1.000
JB69227-1 - 1	17 Jun 2014 15:54:34	SMPL	ug/l	0.0365	-137	1.000	1.000
MP80119-MB1 - 1	17 Jun 2014 15:56:02	SMPL	ug/l	0.0442	-104	1.000	1.000
MP80119-B1 - 1	17 Jun 2014 15:57:19	SMPL	ug/l	1.7843	7352	1.000	1.000
MP80119-S1 - 1	17 Jun 2014 15:58:37	SMPL	ug/l	2.0555	8514	1.000	1.000
CCV - 1	17 Jun 2014 16:00:01	CK STND	ug/l	102.1% 2.5524	10643	1.000	1.000
CCB - 1	17 Jun 2014 16:01:27	CK STND	ug/l	0.0183	-215	1.000	1.000
MP80119-S2 - 1	17 Jun 2014 16:03:00	SMPL	ug/l	2.0396	8446	1.000	1.000
JB69326-1A - 1	17 Jun 2014 16:04:17	SMPL	ug/l	0.0367	-136	1.000	1.000
MAPLECONF - 1	17 Jun 2014 16:12:28	SMPL	ug/l	0.2428	747	1.000	1.000
JB69368-1A - 1	17 Jun 2014 16:13:45	SMPL	ug/l	0.0570	-49	1.000	1.000
MP80120-MB1 - 1	17 Jun 2014 16:15:04	SMPL	ug/l	0.0575	-47	1.000	1.000
MP80120-B1 - 1	17 Jun 2014 16:16:21	SMPL	ug/l	1.7904	7378	1.000	1.000
MP80120-S1 - 1	17 Jun 2014 16:17:39	SMPL	ug/l	1.9638	8121	1.000	1.000
MP80120-S2 - 1	17 Jun 2014 16:19:11	SMPL	ug/l	1.9715	8154	1.000	1.000
JB68927-1A - 1	17 Jun 2014 16:20:41	SMPL	ug/l	0.0474	-90	1.000	1.000
CRI - 1	17 Jun 2014 16:22:11	SMPL	ug/l	0.2246	669	1.000	1.000
CCV - 1	17 Jun 2014 16:23:30	CK STND	ug/l	102.3% 2.5578	10666	1.000	1.000
CCB - 1	17 Jun 2014 16:24:48	CK STND	ug/l	0.0138	-234	1.000	1.000
JB69368-4A - 1	17 Jun 2014 16:31:29	SMPL	ug/l	0.0913	98	1.000	1.000
MP80121-MB1 - 1	17 Jun 2014 16:32:46	SMPL	ug/l	0.0614	-30	1.000	1.000
MP80121-B1 - 1	17 Jun 2014 16:34:03	SMPL	ug/l	1.9878	8224	1.000	1.000
MP80121-S1 - 1	17 Jun 2014 16:35:20	SMPL	ug/l	2.0182	8354	1.000	1.000
MP80121-S2 - 1	17 Jun 2014 16:36:50	SMPL	ug/l	2.0823	8629	1.000	1.000
JB69381-1 - 1	17 Jun 2014 16:44:26	SMPL	ug/l	0.1504	351	1.000	1.000
MP80027-MB2 - 1	17 Jun 2014 16:45:42	SMPL	ug/l	0.0614	-30	1.000	1.000
MP80027-LC1 - 1	17 Jun 2014 16:47:02	SMPL	ug/l	1.9439	8036	1.000	1.000
JB69154-1 - 1	17 Jun 2014 16:48:19	SMPL	ug/l	0.0449	-101	1.000	1.000
CCV - 1	17 Jun 2014 16:49:49	CK STND	ug/l	100.3% 2.5080	10453	1.000	1.000
CCB - 1	17 Jun 2014 16:51:05	CK STND	ug/l	0.0208	-204	1.000	1.000
MP80085-MB2 - 1	17 Jun 2014 16:52:37	SMPL	ug/l	0.0584	-43	1.000	1.000
MP80085-LC1 - 1	17 Jun 2014 16:53:55	SMPL	ug/l	1.9787	8185	1.000	1.000
JB69214-6AB - 1	17 Jun 2014 16:55:12	SMPL	ug/l	0.0374	-133	1.000	1.000
JB69214-12AB - 1	17 Jun 2014 16:56:42	SMPL	ug/l	0.0771	37	1.000	1.000
JB69214-18AB - 1	17 Jun 2014 16:57:59	SMPL	ug/l	0.1174	210	1.000	1.000
JB69215-36AB - 1	17 Jun 2014 16:59:17	SMPL	ug/l	0.0810	54	1.000	1.000
JB69215-42AB - 1	17 Jun 2014 17:00:36	SMPL	ug/l	0.0953	115	1.000	1.000
JB69215-48AB - 1	17 Jun 2014 17:01:54	SMPL	ug/l	0.0745	26	1.000	1.000
JB69215-54AB - 1	17 Jun 2014 17:03:12	SMPL	ug/l	0.0906	95	1.000	1.000
JB69215-60AB - 1	17 Jun 2014 17:04:29	SMPL	ug/l	0.0948	113	1.000	1.000
CCV - 1	17 Jun 2014 17:05:46	CK STND	ug/l	97.7% 2.4420	10170	1.000	1.000
CCB - 1	17 Jun 2014 17:07:03	CK STND	ug/l	0.0192	-211	1.000	1.000
JB69215-66AB - 1	17 Jun 2014 17:08:35	SMPL	ug/l	0.1102	179	1.000	1.000
JB69215-72AB - 1	17 Jun 2014 17:09:52	SMPL	ug/l	0.1048	156	1.000	1.000
JB69215-78AB - 1	17 Jun 2014 17:11:12	SMPL	ug/l	0.0703	8	1.000	1.000
JB69215-84AB - 1	17 Jun 2014 17:12:31	SMPL	ug/l	0.0843	68	1.000	1.000
MP80122-MB1 - 1	17 Jun 2014 17:13:49	SMPL	ug/l	0.0988	130	1.000	1.000
MP80122-B1 - 1	17 Jun 2014 17:15:07	SMPL	ug/l	1.9481	8054	1.000	1.000
MP80122-S1 - 1	17 Jun 2014 17:16:24	SMPL	ug/l	1.9909	8237	1.000	1.000
MP80122-S2 - 1	17 Jun 2014 17:17:55	SMPL	ug/l	2.0690	8572	1.000	1.000

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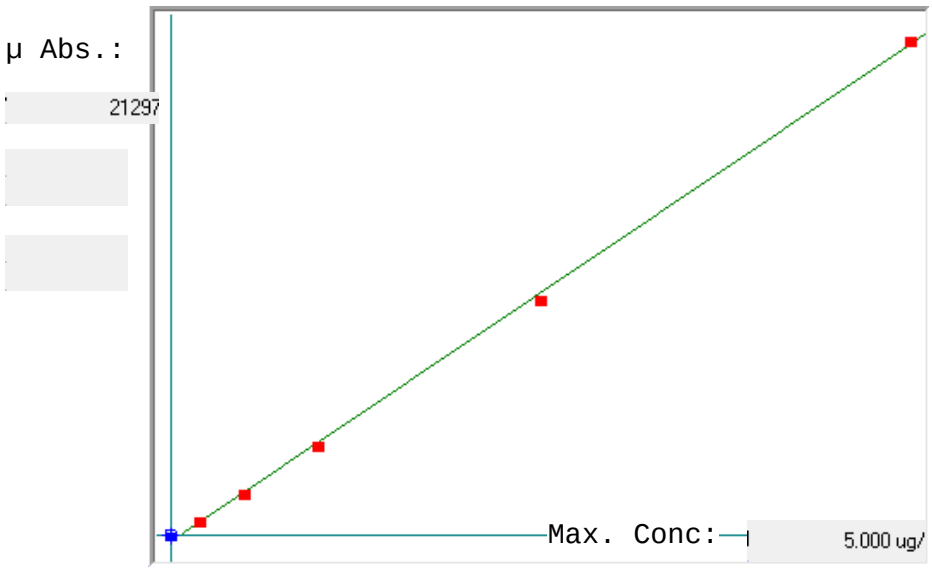
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB68869-1A - 1	17 Jun 2014 17:19:23	SMPL	ug/l	0.0640	-19	1.000	1.000
JB69013-1 - 1	17 Jun 2014 17:20:54	SMPL	ug/l	0.0948	113	1.000	1.000
CCV - 1	17 Jun 2014 17:22:13	CK STND	ug/l	96.4% 2.4112	10038	1.000	1.000
CCB - 1	17 Jun 2014 17:23:30	CK STND	ug/l	0.0271	-177	1.000	1.000
JB69021-1 - 1	17 Jun 2014 17:25:04	SMPL	ug/l	0.1473	338	1.000	1.000
JB69045-1A - 1	17 Jun 2014 17:30:02	SMPL	ug/l	0.0726	18	1.000	1.000
JB69045-3A - 1	17 Jun 2014 17:31:20	SMPL	ug/l	0.0887	87	1.000	1.000
JB69045-5A - 1	17 Jun 2014 17:32:38	SMPL	ug/l	0.0778	40	1.000	1.000
JB69045-8A - 1	17 Jun 2014 17:33:55	SMPL	ug/l	0.1081	170	1.000	1.000
JB69045-10A - 1	17 Jun 2014 17:35:13	SMPL	ug/l	0.0988	130	1.000	1.000
JB69045-12A - 1	17 Jun 2014 17:36:31	SMPL	ug/l	0.0869	79	1.000	1.000
JB69045-14A - 1	17 Jun 2014 17:37:48	SMPL	ug/l	0.1854	501	1.000	1.000
CCV - 1	17 Jun 2014 17:39:09	CK STND	ug/l	98.4% 2.4604	10249	1.000	1.000
CCB - 1	17 Jun 2014 17:40:24	CK STND	ug/l	0.0068	-264	1.000	1.000
JB69045-16A - 1	17 Jun 2014 17:41:55	SMPL	ug/l	0.3037	1008	1.000	1.000
JB69045-18A - 1	17 Jun 2014 17:43:13	SMPL	ug/l	-0.0063	-320	1.000	1.000
JB69045-20A - 1	17 Jun 2014 17:44:32	SMPL	ug/l	0.0752	29	1.000	1.000
JB69045-22A - 1	17 Jun 2014 17:45:51	SMPL	ug/l	0.1270	251	1.000	1.000
JB69045-24A - 1	17 Jun 2014 17:47:10	SMPL	ug/l	0.1830	491	1.000	1.000
CCV - 1	17 Jun 2014 17:55:27	CK STND	ug/l	96.0% 2.3990	9986	1.000	1.000
CCB - 1	17 Jun 2014 17:56:55	CK STND	ug/l	0.0201	-207	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 2.3339e-004

C= 6.8431e-002

Rho= 0.9997103

Accept=Accepted

Accepted Date=

06/17/14 12:20

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.056	0.056	-55	0.000	-55				
STDB	0.200	0.214	0.014	622	0.0 %	622				
STDC	0.500	0.495	-0.005	1827	0.0 %	1827				
STDD	1.000	0.965	-0.035	3843	0.0 %	3843				
STDE	2.500	2.432	-0.068	10126	0.0 %	10126				
STDF	5.000	5.039	0.039	21297	0.0 %	21297				

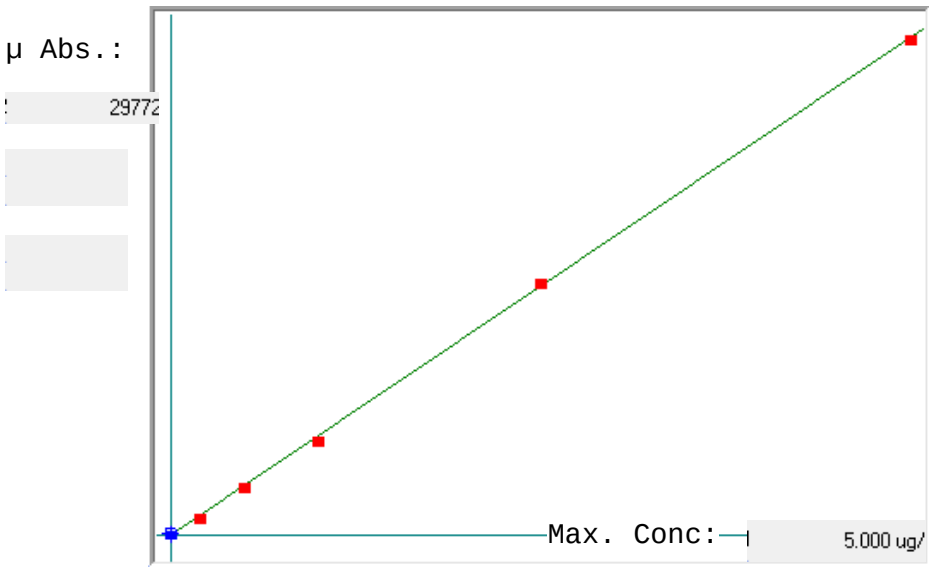
MA34271

Method: ACCUTEST Operator: Admin Date of Analysis: 18 Jun 2014 11:22:52

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	18 Jun 2014 11:28:15	Std	ug/l	-	132	1.000	1.000
STDB - 1	18 Jun 2014 11:29:33	Std	ug/l	-	1091	1.000	1.000
STDC - 1	18 Jun 2014 11:30:51	Std	ug/l	-	2937	1.000	1.000
STDD - 1	18 Jun 2014 11:32:12	Std	ug/l	-	5757	1.000	1.000
STDE - 1	18 Jun 2014 11:33:37	Std	ug/l	-	15207	1.000	1.000
STDF - 1	18 Jun 2014 11:35:07	Std	ug/l	-	29772	1.000	1.000
ICV - 1	18 Jun 2014 11:37:02	SMPL	ug/l	2.7911	16667	1.000	1.000
ICB - 1	18 Jun 2014 11:38:28	SMPL	ug/l	-0.0455	-287	1.000	1.000
CCV - 1	18 Jun 2014 11:40:03	CK STND	ug/l	107.2% 2.6797	16001	1.000	1.000
CCB - 1	18 Jun 2014 11:41:21	CK STND	ug/l	-0.0190	-129	1.000	1.000
CRI - 1	18 Jun 2014 11:42:58	SMPL	ug/l	0.1548	910	1.000	1.000
MP80127-MB1 - 1	18 Jun 2014 11:50:49	SMPL	ug/l	0.0365	203	1.000	1.000
MP80127-LC1 - 1	18 Jun 2014 11:52:05	SMPL	ug/l	5.3373	15935	1.000	2.000
MP80127-S1 - 1	18 Jun 2014 11:53:24	SMPL	ug/l	2.1080	12584	1.000	1.000
MP80127-S2 - 1	18 Jun 2014 11:54:59	SMPL	ug/l	2.2430	13391	1.000	1.000
JB69450-5 - 1	18 Jun 2014 11:56:32	SMPL	ug/l	0.0285	155	1.000	1.000
JB69450-1 - 1	18 Jun 2014 11:58:07	SMPL	ug/l	3.3826	20202	1.000	1.000
JB69450-2 - 1	18 Jun 2014 11:59:26		ug/l	HIGH	373792	1.000	1.000
JB69450-3 - 1	18 Jun 2014 12:00:47	SMPL	ug/l	8.2555	49327	1.000	1.000
CCV - 1	18 Jun 2014 12:02:48	CK STND	ug/l	102.7% 2.5671	15328	1.000	1.000
CCB - 1	18 Jun 2014 12:04:36	CK STND	ug/l	(L)-0.1561	-948	1.000	1.000
JB69450-4 - 1	18 Jun 2014 12:06:15	SMPL	ug/l	7.6289	45582	1.000	1.000
JB69450-6 - 1	18 Jun 2014 12:07:39	SMPL	ug/l	0.2088	1233	1.000	1.000
JB69450-7 - 1	18 Jun 2014 12:09:31	SMPL	ug/l	0.4596	2732	1.000	1.000
JB69461-1 - 1	18 Jun 2014 12:10:56	SMPL	ug/l	0.0589	337	1.000	1.000
JB68619-1 - 1	18 Jun 2014 12:12:23	SMPL	ug/l	1.6559	9882	1.000	1.000
JB69507-1A - 1	18 Jun 2014 12:13:45	SMPL	ug/l	0.0993	578	1.000	1.000
JB68458-1 - 1	18 Jun 2014 12:15:17	SMPL	ug/l	0.1525	896	1.000	1.000
JB68538-1 - 1	18 Jun 2014 12:16:37	SMPL	ug/l	1.1043	6585	1.000	1.000
JB68538-2 - 1	18 Jun 2014 12:17:56	SMPL	ug/l	1.8895	11278	1.000	1.000
CCV - 1	18 Jun 2014 12:19:24	CK STND	ug/l	(H)114.7% 2.8669	17120	1.000	1.000
CCV - 1	18 Jun 2014 12:20:58	CK STND	ug/l	(H)118.0% 2.9501	17617	1.000	1.000
CONF - 1	18 Jun 2014 12:22:33	SMPL	ug/l	0.0026	0	1.000	1.000
CCB - 1	18 Jun 2014 12:24:05	CK STND	ug/l	-0.0030	-33	1.000	1.000
JB69450-4 - 1	18 Jun 2014 12:25:21	SMPL	ug/l	0.0026	0	1.000	1.000
JB68538-3 - 1	18 Jun 2014 12:27:17	SMPL	ug/l	4.0127	23968	1.000	1.000
JB68538-4 - 1	18 Jun 2014 12:28:34	SMPL	ug/l	1.5935	9509	1.000	1.000
JB69139-17 - 1	18 Jun 2014 12:30:15	SMPL	ug/l	0.0220	116	1.000	1.000
JB69139-18 - 1	18 Jun 2014 12:31:50	SMPL	ug/l	0.0645	370	1.000	1.000
JB69214-6A - 1	18 Jun 2014 12:33:10	SMPL	ug/l	-0.0056	-49	1.000	1.000
JB69214-12A - 1	18 Jun 2014 12:34:29	SMPL	ug/l	0.2507	1483	1.000	1.000
JB69214-18A - 1	18 Jun 2014 12:35:46	SMPL	ug/l	0.1645	968	1.000	1.000
JB69450-2 - 1	18 Jun 2014 12:37:05	SMPL	ug/l	159.1468	47545	1.000	20.000
JB69450-3 - 1	18 Jun 2014 12:38:25	SMPL	ug/l	9.1212	10888	1.000	5.000
CCV - 1	18 Jun 2014 12:40:09	CK STND	ug/l	(H)117.5% 2.9380	17545	1.000	1.000
CCB - 1	18 Jun 2014 12:41:42	CK STND	ug/l	-0.0425	-269	1.000	1.000
JB69450-4 - 1	18 Jun 2014 12:43:19	SMPL	ug/l	7.8513	9370	1.000	5.000
JB69450-2 - 1	18 Jun 2014 12:46:33	SMPL	ug/l	170.7448	10190	1.000	100.000
JB69450-2 - 1	18 Jun 2014 12:49:45	SMPL	ug/l	163.7345	9771	1.000	100.000
CCV - 1	18 Jun 2014 12:51:01	CK STND	ug/l	(H)117.7% 2.9425	17572	1.000	1.000
CCB - 1	18 Jun 2014 12:52:32	CK STND	ug/l	-0.0224	-149	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.6731e-004

C= 2.5513e-003

Rho= 0.9998780

Accept=Accepted

Accepted Date=

06/18/14 11:36

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	0.025	0.025	132	0.000	132				
STDB	0.200	0.185	-0.015	1091	0.0 %	1091				
STDC	0.500	0.494	-0.006	2937	0.0 %	2937				
STDD	1.000	0.966	-0.034	5757	0.0 %	5757				
STDE	2.500	2.547	0.047	15207	0.0 %	15207				
STDF	5.000	4.984	-0.016	29772	0.0 %	29772				

ACCUTEST

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34255
Analyst:	MASOODAS
Date:	6/17/2014
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: 13:00 Temp: 9510295 End Time: 13:30 Temp: 9510295 Tubes 4-27
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	MP80103-MB1	0.6000					MP80103	
5	MP80103-LC1	0.1002						
6	MP80103-S1	0.6513		2.0ml	Y	0.1		JB68403-5
7	MP80103-S2	0.6468		2.0ml	Y	0.1		JB68403-5
8	JB68403-5	0.6082						
9	JB68403-1	0.6431						
10	JB68403-2	0.6551						
11	JB68403-3	0.6636						
12	JB68403-4	0.6754						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB68403-6	0.6642						
14	JB68403-7	0.6814						
15	JB68403-8	0.6559						
16	JB68432-5	0.6882						
17	JB68432-6	0.6378						
18	JB68432-7	0.6874						
19	JB68432-8	0.6667						
20	JB68432-9	0.6436						
21	JB68432-10	0.6239						
22	JB68432-11	0.6542						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB68432-14	0.6570						
24	JB68432-15	0.6231						
25	JB68432-16	0.6156						
26	JB68432-17	0.6502						
27	JB68432-18	0.6691						
28	MP80104-MB1	0.6000					MP80104	
29	MP80104-LC1	0.1007						
30	MP80104-S1	0.6929		2.0ml	Y	0.1		JB68432-19
31	MP80104-S2	0.6628		2.0ml	Y	0.1		JB68432-19
32	JB68432-19	0.6331						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: Data
QC REVIEWER: [signature]

DATE: 6/17/14
DATE: 6/17/14

11.6.1 11

ACCUTEST

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34255
Analyst:	MASOODAS
Date:	6/17/2014
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: 13:30 Temp: 95°C-95 End Time: 2:00 Temp: 95°C-95 Tubes 28'45
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	JB68432-20	0.6101	100					
34	JB68432-21	0.6354						
35	JB68432-22	0.6726						
36	JB68432-23	0.6307						
37	JB68432-24	0.6829						
38	JB68432-25	0.6299						
39	JB68432-26	0.6429						
40	JB68458-1	0.6385						
41	JB68458-2	0.6287						
42	JB68458-5	0.6511						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB68458-6	0.6361						
44	JB68439-1	0.6583						
45	JB68943-36	0.6106						
46								
47								
48								
49								
50								
51								
52								
	CCV			2.5 ml	Y	0.1		
	CCB							
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
	CCV			2.5 ml	Y	0.1		
	CCB							
63								
64								
65								
66								

Form: GN-022F
Revision Date:06/09/08

ANALYST: Sadas DATE: 6/17/14
QC REVIEWER:_____ DATE:_____

11.6.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34255
Analyst:	MASOODAS
Date:	6/17/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot Block#: Hot:Block: Start Time: 1300 Temp: 95 to 95 End Time: 1330 T Temp: 95 to 95 Tubes
Hot Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Vol in ml	Final Sample Vol in ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	100 ml	100 ml	N/A	N	N/A	N/A	N/A
S-2	0.20 ug/l standard	100 ml	100 ml	2.0 ml	Y	0.0100	N/A	
S-3	0.50 ug/l standard	100 ml	100 ml	5.0 ml	Y	0.0100	N/A	
S-4	1.00 ug/l standard	100 ml	100 ml	1.0 ml	Y	0.1000	N/A	
S-5	2.50 ug/l standard	100 ml	100 ml	2.5 ml	Y	0.1000	N/A	
S-6	5.00 us/l standard	100 ml	100 ml	5.0 ml	Y	0.1000	N/A	

Analyst: _____ **Date:** 6/17/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

11.6.1 11

ACCUTEST.

Reagent Information Log- Hg Soil

MA # MA34255

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker - 000074185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG1492-78 --HGHCL
Potassium Permanganate	12/12/14	HG1492-76 --HGKM2
Stannous Chloride	6/18/14	HG1492-93 --HGS
STD Hg standard solution 1000 ppm	1/31/16	VHG - 501211
STD Hg standard solution 100 ppb	6/18/14	HG1492-90 --HGA1
STD Hg standard solution 10 ppb	6/18/14	HG1492-91 --HGA2
ICV Hg standard solution 1000 ppm	2/1/15	In. Org. Venture R.179021105
ICV Hg standard solution 50 ppb	6/18/14	HG1492-92 --HGB1
Solid Lab control	11/14/16	D0-82.540-ERA
Aqua Regia	6/18/14	HG1492-94 --HGKAQ
Dilution acid	12/12/14	HG1492-79 --HGD1
Digestion Tubes Lot	N/A	Envi Express - 13/2222
Teflon Chips	N/A	Saint gobain, FH18-2G022

Form: GN087A80-03
Rev. Date: 10/15/12

11.6.1 11

ACCUTEST.

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34257
Analyst: JW
Date: 6/17/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 020

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 8: Start Time: 10:30 Temp: 95° End time: 12:30 Temp: 95° Tubes: 1 T 0 44

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	mb 80117 mb1	N						80117	EPA
5	lcs 1	Y			2.0	Y	0.003		
6	s1	Y				Y			JB68710-1
7	s2					Y			
8	JB68710-1								
9	-2								
10	-3								
11	-4								
12	-5								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
13	JB68710-6								
14	-7								
15	-8								
16	mb 80118-mb1	N						80118	SW846
17	lcs 1	Y			2.0	Y	0.003		
18	s1	Y				Y			JB68441-1
19	s2					Y			
20	JB68441-1								
21	-2								
22	-3								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
23	JB68441-4								
24	JB68427-1								
25	-2								
26	-16								
27	-21								
28	JB68434-2							80117	EPA
29	JB68458-4							80118	heavy muddy
30	JB69032-1		ins						
31	JB63306-2		30					80117	EPA
32	JB69361-1								0.03 ppm Hg std.
	CCV				2.5 ML		0.03		
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: JW
QC REVIEWER: RM

DATE: 6/17/14
DATE: 6/17/14

ACCUTEST

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34257
Analyst: TW
Date: 6/17/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 8: Start Time: 12:30 Temp: 95c End time: 4:30 Temp: 95c Tubes: 45 to
Hot Block ID ___: Start Time ____ Temp: ____ End time: ____ Temp: ____ Tubes: ____

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
33	JB69368-4	Y	30	30					
34	mb 80287-mB1	N						[redacted]	
35	LB1				2.0	Y	0.03		
36	LCS1		10 ml			Y			
37	LCS2		5 ml			Y			} Decolorizem
38	JB69227-1		5 ml						} JB68227-1
39	mb 80119-mB1		30					[redacted]	
40	LB1				2.0	Y	0.03		
41	S1					Y			} JB 69326-1A
42	S2					Y			
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
43	JB69326-1A								
44	JB69368-1A								
45	mb 80120-mB1							[redacted]	
46	LB1				2.0	Y	0.03		
47	S1		10 ml			2			} JB68927-1A
48	S2		10ml			Y			} Limited Vol
49	JB68927-1A		10 ml						
50	JB69368-4A	X	30						
51	mb 80121-mB1	N						[redacted]	
52	LB1				2.0				
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
53	mb 80121-S1				2.0	Y	0.03		} JB69381-1
54	S2					Y			
55	JB69381-1								
56	mb 80027-mB2	N						[redacted]	
57	LB1				2.0	Y	0.03		
58	JB69154-1	X							
59	mb 80085-mB2	N						[redacted]	
60	LB1				2.0	Y	0.03		
61	JB69214-6A1b	Y							
62	12A1b								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

ANALYST: [signature]
QC REVIEWER: ____

DATE: 6/17/14
DATE: ____

Form GN022A-02
Revision Date: 03/25/13

11.6.2 11

ACCUTEST.

Mercury Digestion Log

Product HG / EHG
Matrix Aq / Liq / DW

MA Batch MA34257
Analyst: JW
Date: 6/17/14
Balance N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID A Start Time: 12:30 Temp: 95 C End time: 4:30 Temp: 95 C Tubes: 45 to 93

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	JB69214-18MB	Y	30	70					Tube
64	JB69215-36								
65	-40								
66	-48								
67	-54								
68	-60								
69	-66								
70	-72								
71	-78								
72	-84								
	CCV				2.5 ML	√	0.03		0.03 ppm Hg std.
	CCB								
73	mp1801227mb1	Y						[redacted]	
74	1B				2.0	√	0.03		
75	S1					√			JB68869-1A
76	S2								
77	JB68869-1A								
78	JB69013-1								
79	JB69021-1								
80	JB69045-1A								
81	-3A								
82	-5A								
	CCV				2.5 ML	√	0.03		0.03 ppm Hg std.
	CCB								
83	JB69045-8A								
84	-10A								
85	-12A								
86	-16A								
87	-16A								
88	-18A								
89	-20A								
90	-22A								
91	-24A								
92	mp								
	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: 6/17/14

11.6.2 11

ACCUTEST.

Reagent Information Log- Hg Waters

MA # 34257

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 7K1855
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-1492-78-- HGHCL
Potassium Permanganate 5%	12/12/14	HG-1492-76 -- HGKM1
Potassium Persulfate	12/12/14	HG-1492-77 -- HGKS
Stannous Chloride	6/18/14	HG-1491-82 -- HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/18/14	HG-1491-79 -- HGA3
STD Hg standard solu ion 3 ppb	6/18/14	HG-1491-80 -- HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/18/14	HG-1491-81 --HGB3
Dilution Acid	12/11/14	HG-1456-67 --HGD2(AQ)
Digestion Tubes Lot	N/A	HG-EXPIRES -- --HGD2(AQ) 13/2222
pH Paper	N/A	Hydrion Papers 1 to 12, Lot #

Form: GN087A79-03
Rev. Date: 02/27/13

11.6.2 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA34257
Analyst: JM
Date:
Balance ID: N/A
Reagents: See attached sheet
Thermometer ID:

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A EPA 245.1 CLP-M

Type of Digestion: Hot Block: Start Time: 1032 Temp: 95 C End time: 1234 Temp: 95 C

Water Bath Start Time: _____ Temp: _____ End time: _____ Temp: _____

Bot #	Sample ID	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	30 ml	30 ml	0.0 ml				
S-2	0.20 ug/l standard	30 ml	30 ml	2.0 ml	Y	0.0030		
S-3	0.50 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0030		
S-4	1.00 ug/l standard	30 ml	30 ml	1.0 ml	Y	0.0300		
S-5	2.50 ug/l standard	30 ml	30 ml	2.5 ml	Y	0.0300		
S-6	5.00 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0300		

Analyst: JM Date: 6/17/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

11.6.2 11

ACCUTEST.

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34271
Analyst:	DARSHAP
Date:	6/18/2014
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: 0:00 Temp: 95°-95 End Time: 0:30 Temp: 95°-95 Tubes 4-27
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	MP80127-MB1	0.6000					MP80127	
5	MP80127-LC1	0.1009						
6	MP80127-S1	0.6423		2.0ml	Y	0.1		JB69450-5
7	MP80127-S2	0.6189		2.0ml	Y	0.1		JB69450-5
8	JB69450-5	0.6260						
9	JB69450-1	0.6267						
10	JB69450-2	0.6130						
11	JB69450-3	0.6581						
12	JB69450-4	0.6092						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB69450-6	0.6319						
14	JB69450-7	0.6641						
15	JB69461-1	0.6312						
16	JB68619-1	0.6282						
17	JB69507-1A	0.6474						
18	JB68458-1	1.2399						
19	JB68538-1	0.6653						
20	JB68538-2	0.6227						
21	JB68538-3	0.6458						
22	JB68538-4	0.6551						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB69139-17	0.6306						
24	JB69139-18	0.6620						
25	JB69214-6A	0.6458						
26	JB69214-12A	0.6238						
27	JB69214-18A	0.6090						
28								
29								
30								
31								
32								
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/18/14
DATE: _____

11.6.3 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34271
Analyst:	DARSHAP
Date:	6/18/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot Block#: Hot:Block: Start Time: 10:00 Temp: 95 to 2 End Time: 10:30 T Temp: 95 to 95 Tubes
Hot Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Vol in ml	Final Sample Vol in ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	100 ml	100 ml	N/A	N	N/A	N/A	N/A
S-2	0.20 ug/l standard	100 ml	100 ml	2.0 ml	Y	0.0100	N/A	
S-3	0.50 ug/l standard	100 ml	100 ml	5.0 ml	Y	0.0100	N/A	
S-4	1.00 ug/l standard	100 ml	100 ml	1.0 ml	Y	0.1000	N/A	
S-5	2.50 ug/l standard	100 ml	100 ml	2.5 ml	Y	0.1000	N/A	
S-6	5.00 us/l standard	100 ml	100 ml	5.0 ml	Y	0.1000	N/A	

Analyst: _____ **Date:** 6/18/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34271

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-- 1492 78 -- HGHCL
Potassium Permanganate	12/12/14	HG-- 1492 76 --HGKM2
Stannous Chloride	6/19/14	HG-- 1492 98 --HGS
STD Hg standard solution 1000 ppm	1/31/16	Ultra. J01211
STD Hg standard solution 100 ppb	6/19/14	HG-- 1492 95 --HGA1
STD Hg standard solution 10 ppb	6/19/14	HG-- 1492 96 --HGA2
ICV Hg standard solution 1000 ppm	2/1/15	En. Org. venture f2-Hg02105
ICV Hg standard solution 50 ppb	6/19/14	HG-- 1492 97 --HGB1
Solid Lab control	11/14/16	D0-82.540 ERA
Aqua Regia	6/19/14	HG-- 1492 99 --HGKAQ
Dilution acid	12/12/14	HG 1492 79 --HGD1
Digestion Tubes Lot	N/A	Envi Express-1312222
Teflon Chips	N/A	Saint gobain. F9182G022

Form: GN087A80-03
Rev. Date: 10/15/12

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ACCUTEST LABORATORIES

Accutest Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP79919	6/9/2014	9:00	6/9/2014	15:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	2	3	91	0	91
1	End	2	3	93	0	93
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP79919-MB1	N/A	N	50	50	A & B		
MP79919-B1	N/A	N	50	50	A & B	A,B,C	
JB64500-46	3	Y	50	50	A & B		
JB64500-48	2	Y	50	50	A & B		
JB68314-29	5	Y	50	50	A & B		
JB68318-6	3	Y	50	50	A & B		
JB68381-5	1	Y	50	50	A & B		
JB68458-4	3	Y	50	50	A & B		
JB68538-5	3	Y	50	50	A & B		
JB68539-5	1	Y	50	50	A & B		
JB68542-6	3	Y	50	50	A & B		
JB68561-6	5	Y	50	50	A & B		
JB68583-18	1	Y	50	50	A & B		
JB68611-11	3	Y	50	50	A & B		
JB68611-12	3	Y	50	50	A & B		
JB68611-13	3	Y	50	50	A & B		
MP79919-LC1	N/A	Y	50	50	A & B		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C	ODD	1
D		
E		
F		
G		
H		

Comments:

Analyst AMIRAHH **Approved by** Wendyz **Approved on** 6/10/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79919

Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP - 013 - 655 -SP
Spiking Solution - Min. Spike	11/5/14	MP - 013 - 649 -MIN1
Spiking Solution - Odd Spike	10/29/14	MP - 013 - 647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016 AH 06/09/14	# 0000150770 74185 JT Baker
Nitric Acid (1:1)	12/4/14	MP - 013 - 20 - 192 -HNO3 (1:1)
Hydrochloric Acid	12/2/14	MP - 013 - 20 - 191 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	12/4/14	MP - ~~8~~ 151 - 115 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
pH Paper	N/A	Hydrion Paper 1 to 12, lot #228713

Form: AA014B-01
Rev. Date: 5/12/08

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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
MP79946	6/9/2014	16:30	6/9/2014	23:00	JB68291-1	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	7	405	B-41	90	0	90	
1	End	7	405	NA	90	0	90	
2	Start							
2	End			NA				

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3050B	Digestion Block		M-54	1312222	

Sample ID	Bottle ID	Final Volume (ML)	Wet Weight (G)	Reagent Groups Added	Spike Groups Added	Comments
MP79946-MB1	N/A	100	1.01	A, B, C, D		
MP79946-B1	N/A	100	1.02	A, B, C, D	A, B, & C	
MP79946-S1	1	100	1.04	A, B, C, D	A, B, & C	
MP79946-S2	1	100	0.98	A, B, C, D	A, B, & C	
MP79946-SD1	1	100	1.03	A, B, C, D		
JB68291-1	1	100	1.03	A, B, C, D		
JB68291-2	1	100	1.02	A, B, C, D		
JB68291-3	1	100	1.20	A, B, C, D		
JB68291-4	1	100	0.96	A, B, C, D		
JB68334-1	1	100	1.19	A, B, C, D		
JB68350-1	2	100	1.18	A, B, C, D		
JB68350-2	2	100	1.02	A, B, C, D		
JB68362-3	1	100	1.02	A, B, C, D		
JB68362-4	1	100	0.99	A, B, C, D		
JB68458-1	2	100	2.58	A, B, C, D		
JB68458-2	2	100	1.53	A, B, C, D		
JB68458-5	2	100	1.85	A, B, C, D		
JB68458-6	2	100	2.04	A, B, C, D		
JB68561-1	1	100	0.95	A, B, C, D		
JB68561-3	1	100	0.97	A, B, C, D		
JB68561-5	1	100	0.95	A, B, C, D		
JB68737-1G	1	100	1.05	A, B, C, D		
JB68772-1	1	100	0.99	A, B, C, D		
JB68772-2	1	100	1.04	A, B, C, D		
MP79946-LC1	N/A	100	0.52	A, B, C, D		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	10
B	CONC HNO3	5
C	30% H2O2	5
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	2
B	MIN 2	2
C	ODD	1
D		
E		
F		
G		
H		

Comments:

Analyst JULIANAF **Approved by** Wendyz **Approved on** 6/10/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79946
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-656 -SP
Spiking Solution - Min. Spike	11/29/14	MP-013-653 -MIN2
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	Batch #00000 50770 J.T. Baker
Nitric Acid (1:1)	12/6/14	MP-013-20-192 -HNO3 (1:1)
Hydrochloric Acid	6/2016	Batch# 00000 60411 J.T. Baker
Hydrogen Peroxide	6/2016	Lot #: 142358 Mfg. Fisher Scientific
Lab Control	11/14/14	Lot #: D082-540 Mfg. ERA
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
Teflon Chips	N/A	Batch # F718-2G022 SAINT-GOBAIN

Form: AA014A-02
Rev. Date: 10/15/12

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New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JB68458
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68458-1 **Analyzed:** 07-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 329-PE-42

Wet Weight (Total)	28	g
Tare Weight	22.46	g
Dry Weight (Total)	24.56	g
Solids, Percent	37.9	%

Sample: JB68458-2 **Analyzed:** 07-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 269-PE-52

Wet Weight (Total)	30.68	g
Tare Weight	24.23	g
Dry Weight (Total)	28.33	g
Solids, Percent	63.6	%

Sample: JB68458-5 **Analyzed:** 07-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 332-PE-58

Wet Weight (Total)	30.23	g
Tare Weight	22.94	g
Dry Weight (Total)	26.71	g
Solids, Percent	51.7	%

Sample: JB68458-6 **Analyzed:** 07-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 333-PE-57

Wet Weight (Total)	33.1	g
Tare Weight	25.83	g
Dry Weight (Total)	29.37	g
Solids, Percent	48.7	%